Collingwood



Light Your Moment

We believe in helping people light their moments sustainably

by continuously pushing the boundaries of LED lighting technology. We design our products with people's experience at heart, to enhance everyday life, and build a better future. Every occasion matters, we don't make lights, we make moments.





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Fast reliable service

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Light a better future

Sustainability is at the core of everything we do

When we partner with you to create amazing projects, we work hard to do so responsibly. Our commitment to tackle environmental challenges means we are pro-actively taking action to minimise the impact of our materials used and operations, to build towards carbon neutrality.



Silver medal EcoVardis

Methodology built on international sustainability standards. EcoVadis is the world's largest and most trusted provider to rate our business and provide you with transparency about our environmental, social and ethical performance - or sustainability.



Recycling

- 100% of our cardboard waste is either used as shredded packaging filler or recycled.
- 100% of our plastic waste is used in bales or recycled.
- 100% of our warehouse pallets are recycled.



Energy from renewable sources

100% of our electricity comes from renewable energy sources such as solar and wind turbines.



Waste experts partnership

We partner with waste experts to enhance our overall environmental performance.

- 100% of our waste is diverted from landfill.
- 96% of our waste is recycled, with the remaining 4% being recovered as energy from waste.
- Consolidating waste pick ups to minimise our carbon footprint.
- Euro 6 standard for all our waste pick up vehicles.



Greener packaging

Reduce, re-use & recycle

Apart from products, businesses produce more packaging than anything else, we know how important it is to do everything we can to minimise the impact it has on the environment.



100% recyclable

- Our boxes are made entirely from card to make them easy to recycle.
- We use no plastics to make our boxes (including the finish of the box).
- We use vegetable oil inks to ensure they are recyclable.



FSC approved card

We use card from FSC approved forests in our boxes. This means that the card used to make the box comes from a replenishable forest and for every tree used another one is planted.



Less wastage

We make sure that we design our boxes to use as little material as possible to minimise their carbon footprint.



Less ink

Our new brown box design uses significantly less ink than a full colour box with images. When producing the packaging this makes the carbon footprint much smaller.

Light is an experience

There's lighting, and then there's lighting

Filling a room with light is easy, but bringing a space to life with light takes expertise. We thrive on making the most of spaces and taking your projects to the next level with our lighting design studio.

studio

Our in-house lighting design team with over 50 years of experience can create amazing bespoke lighting designs for your project. Your project, your vision, partnering with Collingwood to create amazing projects together.

- Customised designs built specifically for your needs.
- From single room to entire building projects.
- Quick, efficient and on budget service.
- Compliant lighting solutions.
- · Value engineer service.
- We use Dialux and Relux to make sure we have the most effective software possible.
- We provide a full quote and solution.

Atmosphere with colour

Choosing the ideal CCT is essential to creating the perfect atmosphere for your project.



Warmest 2700K



Warm 3000K



Natural white 4000K

Maximising materials with colour

Bring the best out of the materials in your project by using the ideal CCT (Correlated Colour Temperature).



Wood / Sand 2700K



Stone 3000K



Whites 4000K





Layering light for interiors

Combining key elements of ambient, accent and task lighting, will create a sophisticated multi-layered lighting scheme to bring any space to life.

1 Ambient lighting

The primary source of light in a space providing general background illumination.

2 Accent lighting

Provides points of focus and highlights areas of the space to add depth.

(3) Task lighting

Lights areas for specific tasks to take place in the space.

Layering light for exteriors

Combining functional, feature and social lighting will make the most of an exterior space whilst adding depth to the lighting scheme.

(4) Functional lighting

Lights areas for specific tasks to take place in the space.

5 Feature lighting

Provides points of focus and highlights elements of the space to add depth.

(6) Social lighting

Creates ambience and a space that people will spend most of their time in.











Layering light

While this room is well illuminated using only downlights, you could make it more impressive.

By using adjustable downlights we can highlight the artwork on the walls.

By adding strip lighting to the shelves we add a focus point that acts as an additional feature in the room.

By adding more strip around the central area of the ceiling, we get extra illumination and another point of interest in the room.

With multiple points of interest in a room, we have created depth to the lighting scheme and brought the room to life.



Controlled lighting

Save energy, save money

Rising energy costs, inefficient technologies, and the need to act more sustainably, demands that we all address this energy consumption. Investing in the latest lighting technology along with professional lighting design, can reduce energy consumption by up to 82%.



The right amount of light

During the development process, we pay careful attention to understand what application the product is being designed for and how much light is needed. Then by tuning the luminaire to these requirements, we are sure to avoid overlighting of a space and maximum efficiency.



Light ON only when needed

The most efficient light fitting is the one that is switched **off.** Making the switch to both energy efficient luminaires and controls will help you save money. Our control system requires no special wiring or approach by the installer and you can decide on the set up once the installation is complete, making it easy to implement on your next project.



Expert lighting design

Too often lighting refurbishments are carried out without considering how the people are using the space and what tasks they are performing. Through this understanding, we are able to optimise your energy savings by considering the zoning of your lighting layout and ensuring light is directed to where it is really needed and with the correct intensity.



Energy saving strategy

In all building types, it is common to find a mixture of different types of lighting, sometimes different technologies and a mix of efficiency. We partner with our customers to help you identify the low hanging fruit so that together, we can form a short, mid and long term strategy to save you energy.



No substitute for quality

You can be confident with us

Your piece of mind and confidence in our products is important to us. Since we were established in 1901 we have been driven to deliver nothing but the highest quality in everything we do. We offer longer warranties and get third party accreditation to ensure you can trust our products.

LIA accreditation

The Lighting Industry Association Quality Assurance scheme is developed by industry experts. The scheme assesses the members quality system and product compliance, and supports the member in achieving and maintaining the standard expected for LIA membership. Collingwood has been awarded the LIAQA Assured Company mark.



EDA accreditation

The EDA (Electrical Distributors' Association) is the trade association that represents the interests of wholesale distributors of electro-technical products in the UK. Collingwood is a product affiliate and together we work for the good of the sector.



Long product warranties

You can trust our products. We offer long warranties on our products because we believe in them. They all go through vigorous testing to ensure they are of the highest quality that will stand the test of time.



Warranty registration

Complete our online form within 90 days of installing to ensure you receive your free extended warranty.

Two year on site warranty

With the majority of our commercial products we offer a two year on site warranty.

A history of innovation

Founded in 1901

We started our journey of designing innovative LED lighting products in 2002. Over the years we have produced a number of products that were the first of their kind in the UK market. It's this pioneering spirit that drives us to continue to push the boundaries of LED technology to enhance people's lives.

First in the market to manufacture lumen and colour switchable residential downlights

Two lumen outputs and three colour temperatures, all within one single luminaire.

First to produce 100% waterproof

Sealed for life, 100% waterproof, inground LED lighting products.









First to design & manufacture

LED lighting products for the UK electrical wholesale market

First outdoor LED products

Produce sealed for life outdoor LED lighting products.



First for fire rated downlights

First to produce a fit for purpose, high performance, fire-rated LED downlight.



First to comply with building regulations

First to produce an LED downlight that complies with all building regulations.



First to offer extended warranty

First to offer a 10 year warranty. We now offer a 3, 4, 5, 7 & 10 year extended warranty.





First to produce mains dimmable

Mains dimmable LED downlights.



First to create a 360° downlight

Produce a fire, acoustic and moisture-rated 360° spherical style downlight.

Fast reliable service

We're here to help you succeed

We believe you have the ability to create amazing projects and we want to help you achieve it. We pride ourselves on always being readily available to provide a level of service that gets you what you need to excel and achieve unbelievable things.





Free next day direct to site delivery

Technical support team

We pride ourselves on always being readily available to provide a level of service that gets you what you need to excel and achieve amazing things. With expert knowledge of electrical installations, our technical support team can provide a solution either over the phone or on site.

Free on site support

On large scale projects a member of our technical support team will go to your site to help plan your installation to ensure it runs smoothly.

Our technical support team are also on hand if you are experiencing any difficulties to help you get the most from your Collingwood installation.

Free on the phone support

Readily available and with expert knowledge of our product portfolio our technical support team are on hand to answer any question you have about our products.

Online support

To ensure you get the support you need 24 hours a day, we offer online support.

- Detailed product information on our website.
- Email updates to keep you informed.
- Literature available on our website.
- · Product configurators to help you make the right choice easily.





Amazing spaces

Your vision, your way, created together

We believe you have the ability to create amazing projects and we want to help you achieve it. Creating environments that put people's experience first and enhance everyday life are fundemental to our approach at Collingwood. Let's create an amazing space together.

#lightyourmoment

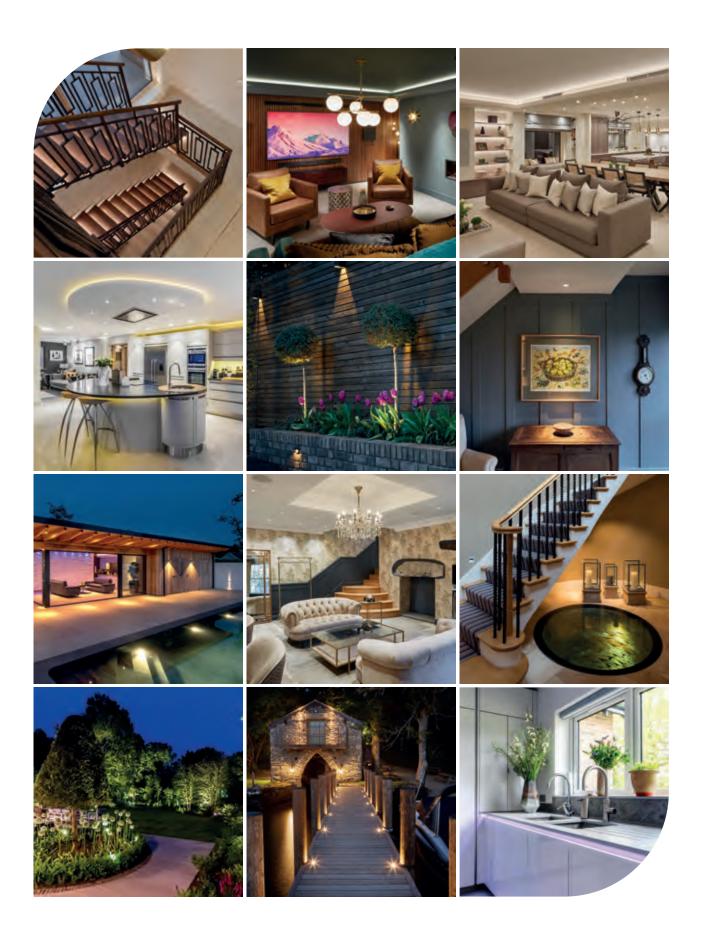




Photo: Teck Aménagement and Gabrielle Voinot



GL019Page 205





LSV02

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1901 Trimless





1901Page 86



1901 Adjustable



Private residence Photo: Lumiere



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GL050RGBW





LSV42Page 142



H2 LitePage 50



H5 500 Page 68



Courtesy of birchhomes.co.uk



LSC82 Page 148



H2 Pro Extreme CSP



Private residence The Barn Suffolk



WL220 MAINS
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GL019





H4 ProPage 61



LSR05 Page 444





Tilt Adjustable Ground Light
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SL040A



Courtesy of brownhensolutions.com



UL030Page 252



MC010 S Page 106



WL070RGBW



Town Head Estate Lake Windemere



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GL021Page 190



WL075Page 170



BL01 Page 260







Lakeside Nottingham



GL200Page 225



Fountain RGBW



Town Head Estate Lake Windemere



SL030Page 236



BL01 Page 260



UL010RGBW Page 439



Newcastle University



Volta 500mm

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GL040 Page 198



Tilt Adjustable Ground Light

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Bedford University



UL346CARGB Page 442

2

UL030RGBW

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Hotel Aix en Provence



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LSC82
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SL030 Page 236



Private residence Costa Brava



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GL034Page 192



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Hospitality Lorenzos Scotland



LSR05

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1901 Trimless

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Commercial Abbey Dental



1901Page 86



LSV02Page 140



Commercial Fifty Shades Hairdresser Northamptonshire



LSV02Page 140



LSV42

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Hotel Ulrichshof Rimbach

Architektur- und Designstudio: noa* - network of architecture



Residential

Lighting has the ability to transform a house into a home. Create a striking balance of layering light that blends seamlessly together. Consider use of dimmers as they allow for flexibility depending on the time of day, event or mood you want to create, whilst also acting as a great way to reduce energy consumption.

Here at Collingwood, we understand the need to create warm and inviting spaces, which is why we have a range of colour temperatures to choose from to create the right atmosphere for the room.



Easy installation and built to last

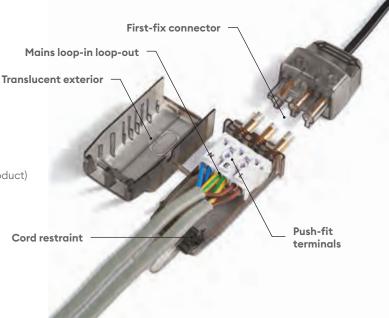
Built to last with high quality components and innovative features, ensuring longevity and easy installation.

Easy-fit connector

Quick & easy installation

Our patented Easy-fit connector supplied with H2/H4 Lite designed to minimise installation time and ensures fitting the product is as easy as possible. The 2-part push-fit connector makes wiring to the mains a less time-consuming process. The light can also be easily attached and replaced by anyone.

- No tools required for installation (when already attached to product)
- Piano key connector for ease of installation
- First-fix compatible
- · Retro-fit compatible
- Less risk of damaging fittings and ceiling during installation
- Loop-in loop-out
- 16A rated



H2 Lite, H2 Pro Extreme CSP and H4 Lite

Upgradeable, Re-useable, lights that lasts

With approximately 5 million units supplied to a wide range of customers, H2 Lite, H4 Lite and H2 Pro Extreme have a proven history of excellent performance, fast installation, and lifetime you can trust.

Our next generation design builds on this further to offer the below new feature and benefits:

- Optimised design with no waste, minimizing the use of materials and impact on the planet.
- FSC certificated packaging ensure minimal waste.
- NEW unique interchangeable design which allows the driver to easily be replaced should it fail.

Backed by an industry leading warranties and should you have an issue, replacement drivers are stocked in the UK for quick after sales support.



Colour Switchable Product

One light, three or four colour temperatures

Always have the correct product on hand. Our range of colour switchable downlights are available to stock in 3 or 4 colour temperatures in 1 product (2200K, 2700K, 3000K & 4000K).

Advantages

- Simpler product range.
- Products can be adjusted after they are installed.



Use the CCT switch to choose the ideal colour for your installation.



CRI

High colour rendering is available on the downlight range. 90CRI chips are close to natural sunlight and bring out the true representation of colours under artificial light.

90+Ra



80Ra



Insulation coverable

Install the product directly under insulation

Many of our downlights are insulation coverable, suitable for both rolled and blown installation.

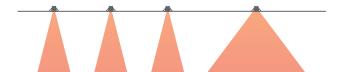
Advantages

- Quick & easy to install.
- No need to buy insulation protectors.



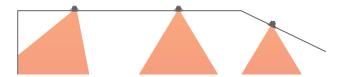
Beam angles

Products with a wide beam angle cover a wider area with fewer lights, reducing time and cost spent on fittings. Alternatively, products with a narrow beam angle have a great light intensity and are perfect for smaller spaces.



Adjustable fittings

Collingwood's adjustable range provides a versatility that is perfect for vaulted ceilings, standard ceilings and for highlighting features and artwork on walls.



I-Joist and Metal web approved

Built for Residential installations

Our downlights have undergone vigorous testing to ensure they are perfect for use with I-Joists, metal web and solid timber ceiling types.

Vigorously tested to ensure fit-for-purpose products

Collingwood were the first company to produce a fit-for-purpose, high performance, fire-rated downlight that enabled compliance to Part B of the building regulations. In the period since, we have supplied millions of downlights worldwide.

What is a timber I-Joist?

These are purposely engineered to be light and strong, whilst removing the imperfections which can come from natural timbers. The name comes from the shape. There is a top and bottom flange element with the web in between. Their common application is within residential floors, roofs and are becoming increasingly popular with their benefits over solid timber joists. Such benefits include the ease of handling due to their light weight, less prone to warping and ease of drilling to install services such as pipes and cables.



What is a metal web joist

A metal web joist is a combination of timber chords and pressed metal webs, which form an open web joist. The open web allows for installations of services like pipes and cables to pass through the metal webs without the need for cutting holes within the joist. The open web structure means they are lighter to handle than solider timber joists, and allows for greater load bearing areas with the open web design, making it simple to install pipes cables etc.

Cut-out size guide

For your downlights

Use the guide below to determine the recommended cut-out size for each Collingwood downlight. For retro-fitting varied sizes, view our converter plate range on **page 72**.

60 - 72mm	64 - 72mm	65- 75mm	68 - 72mm	68 - 75mm	69 - 72mm	110 - 115mm
H5 Trimless	H2 Lite	H2 Pro Extreme	H2 Lite CSP	H2 Deco	H4 Pro	H5 500
	H2 Pro		H2 Sense		H4 Pro 550	H5 1000
	H2 Pro 550		H4 Lite			
	H2 Pro Dusk					

Fire test overview

Built for Residential installations

We have worked, together with independent fire test facilities, to test and approve our most popular fire-rated downlights for use with solid timber, I-Joists and metal web joists, complementing our suite of ceiling approvals.

Use the table below for which product is approved for which ceiling system

		Solid Timber		I-Joist	- 30mins	Metal Web - 30mins		
Product	30mins	60mins	90mins	James Jones	Staircraft	Wolf systems	ITW	Mitek
H2 Deco	•	•	•	•	•	•	•	•
H2 Lite	•	•	•	•	•	•	•	•
H2 Lite CSP	•	•	•	•	•	•	•	•
H2 Pro	•	•	•		•	•		
H2 Pro 550	•	•	•	•	•	•	•	•
H2 Pro Dusk	•	•	•	•	•	•	•	•
H2 Sense	•	•	•	•	•	•	•	•
H4 Lite	•	•	•	•	•	•	•	•
H4 Pro	•	•	•		•	•		
H4 Pro 550	•	•	•	•	•	•	•	•
H5 Trimless	•	•	•		•			
H5 500	•				•			
H5 1000	•				•			



Patented Easy-fit connector for first & second fix



Shallow depth 46mm



Insulation coverable

Guarantee

10 years

Features & benefits

With approximately 5 million units supplied to a wide range of customers, H2 Lite has a proven history of excellent performance, fast installation and lifetime you can trust

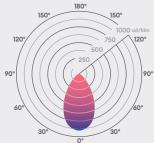
Unique product design with a new shallow depth to enable use in the smallest of ceiling voids

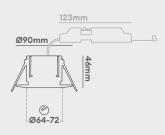
TRIAC mains dimmable, works with leading & trailing edge dimmers

Optimised design with no waste, minimizing the use of materials and impact on the planet

FSC certificated packaging ensure minimal waste









H2 Lite

TRIAC Dimmable, fire-rated downlight with integrated bezel & Easy-fit connector

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Single CCT
Tiltable	No
UGR	22
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	No

Installation information

Install connector type	Easy-fit connector
Insulation coverable	Rolled and blown insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.3A 0.23ms
Construction material	Mild steel / VO rated plastic
Maximum ceiling thickness	40 mm
Weight	180g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	\hat{\circ}	lm	lm/W	Energy
DLT388BLK5530	Single unit	Matt black	4.3W	3000K	55°	460	107	A D
DLT388BLK5540	Single unit	Matt black	4.3W	4000K	55°	490	114	A D
DLT388BS5530	Single unit	Brushed steel	4.3W	3000K	55°	460	107	A D
DLT388BS5540	Single unit	Brushed steel	4.3W	4000K	55°	490	114	A D
DLT388MW5530	Single unit	Matt white	4.3W	3000K	55°	460	107	A D
DLT388MW5540	Single unit	Matt white	4.3W	4000K	55°	490	114	A D
DLT388MW5530A8	Multipack x 8	Matt white	4.3W	3000K	55°	460	107	A D

Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

DLCONVERT70	Converter plate	Sold Separately	72
DM298GRID	LED mains grid dimmer	Sold Separately	73
DM298FP	Faceplate dimmer	Sold Separately	73
DLCVT110	Converter Plate	Sold Separately	72





H4 Lite

 ${\sf TRIAC\ Dimmable,\ adjustable\ fire-rated\ downlight\ with\ integrated\ bezel\ \&\ Easy-fit\ connector}$

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Single CCT
Tiltable	20°
UGR	22
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	No

Installation information

Install connector type	Easy-fit connector
Insulation coverable	Rolled and blown insulation
Cut out size	Ø 68-72mm
Bathroom zone	1
Inrush current	1.3A 0.23ms
Construction material	Mild steel / VO rated plastic
Maximum ceiling thickness	40 mm
Weight	215g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	w	сст	A.	lm	lm/W	Energy
DL490BLK5530	Matt black	4.3W	3000K	55°	460	107	A D
DL490BLK5540	Matt black	4.3W	4000K	55°	490	114	î D
DL490BS5530	Brushed steel	4.3W	3000K	55°	460	107	(a) D
DL490BS5540	Brushed steel	4.3W	4000K	55°	490	114	(a D
DL490MW5530	Matt white	4.3W	3000K	55°	460	107	(a) D
DL490MW5540	Matt white	4.3W	4000K	55°	490	114	â D

Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

DLCONVERT70	Converter Plate Range	Sold Separately	72
DM298GRID	Grid Dimmer	Sold Separately	73
DM298FP	Flatplate Dimmer	Sold Separately	73
DLCVT110	Converter Plate	Sold Separately	72

Residential Downlights



Patented Easy-fit connector for first & second fix



Adjustable with a 20° tilt



Insulation coverable

Guarantee

10 years

Features & benefits

With approximately 5 million units supplied to a wide range of customers, H2 Lite has a proven history of excellent performance, fast installation and lifetime you can fust

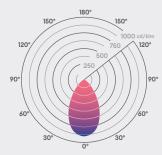
Unique product design with a new shallow depth to enable use in the smallest of ceiling voids

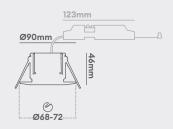
TRIAC mains dimmable, works with leading & trailing edge dimmers

Optimised design with no waste, minimizing the use of materials and impact on the planet

FSC certificated packaging ensure minimal waste

Beam angle: 55°











H2 Deco CSP White

Wattage & CCT Switchable Architectural Downlight

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	<16 (BLK) <19 (WHI)
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	44,000h L70 B10
CRI	80 Ra
SDCM	3 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	Rolled and blown insulation
Cut out size	68mm - 75mm
Bathroom zone	1
Inrush current	5A 150us
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	300g
Maximum ambient temperature	-10° to +40°
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	1

Photometrics @ 25°C

	Energy
2200K 40° 550 85	() E
6.5W 2700K 40° 600 92	
3000K 40° 650 100	
H2D1WHIWHI Switchable wattage White Bezel 4000K 40° 700 108	
& switchable CCT White bezer 2200K 40° 750 75	
2700K 40° 900 90	
3000K 40° 950 95	
4000K 40° 1000 100	

Wiring information

Cable / flying lead	0.75mm² - 2.5mm² 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

DM298GRID	LED mains grid dimmer	Sold Separately	73
DM298FP	Faceplate dimmer	Sold Separately	73
LEDEP10EM	Manual-test emergency converter	Sold Separately	366
LEDEP10	Self-test emergency converter	Sold Separately	367

Residential Downlights



Designed for family living spaces to suit architectural decor



True low glare UGR19 as opposed to perceived low glare



Wattage Switch enables range from 550 up to 1000 lumens

Guarantee

5 years

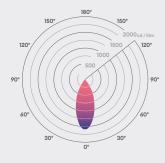
Features & benefits

CCT Switchable Product enables colour temperature choice between 2200K-2700K-3000K-4000K

Select 2700K to highlight warm tones in wood, red brick or sandstone

Select 2200K 'Ember Light' to minimise blue light and create a cosy fireplace environment

Beam angle: 40°







Designed for family living spaces to suit architectural decor



True low glare UGR19 as opposed to perceived low glare



Wattage Switch enables range from 550 up to 1000 lumens

Guarantee

5 years

Features & benefits

CCT Switchable Product enables colour temperature choice between 2200K-2700K-3000K-4000K

Select 2700K to highlight warm tones in wood, red brick or sandstone

Select 2200K 'Ember Light' to minimise blue light and create a cosy fireplace environment

Beam angle: 40° 180° 150° 2000 cd /klm 1500° 15





H2 Deco CSP Black & white

Wattage & CCT Switchable Architectural Downlight

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	<16 (BLK) <19 (WHI)
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	44,000h L70 B10
CRI	80 Ra
SDCM	3 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	Rolled and blown insulation
Cut out size	68mm - 75mm
Bathroom zone	1
Inrush current	5A 150us
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	300g
Maximum ambient temperature	-10° to +40°
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△ °	lm	lm/W	Energy
H2D1BLKWHI Switchable wattage & switchable CCT White Bez			6.5W	2200K	40°	500	77	
				2700K	40°	550	85	
				3000K	40°	600	92	
	Addit D		4000K	40°	650	100	A E	
	wnite Bezei		2200K	40°	650	65		
			10W	2700K	40°	750	75	
			IUVV	3000K	40°	850	85	
				4000K	40°	900	90	

Wiring information

Cable / flying lead	0.75mm² - 2.5mm² 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

DM298GRID	LED mains grid dimmer	Sold Separately	73
DM298FP	Faceplate dimmer	Sold Separately	73
LEDEP10EM	Manual-test emergency converter	Sold Separately	366
LEDEP10	Self-test emergency converter	Sold Separately	367





H2 Deco CSP Black

Wattage & CCT Switchable Architectural Downlight

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	<16 (BLK) <19 (WHI)
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	44,000h L70 B10
CRI	80 Ra
SDCM	3 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	Rolled and blown insulation
Cut out size	68mm - 75mm
Bathroom zone	1
Inrush current	5A 150us
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	300g
Maximum ambient temperature	-10° to +40°
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Produc	t code	Feature	Finish	w	Colour	△ °	lm	lm/W	Energy
					2200K	40° 500	77		
				6.5W	2700K	40°		85	
H2D1BLKBLK				0.5	3000K	40°	600	92	
	INDIN	Switchable wattage	Black Bezel		4000K	40°	650	100	A E
	& switchable CCT	DIUCK Dezei		2200K	40°	650	65	Ġ <u></u>	
				10W	2700K	40°	750	75	
					3000K	40°	850	85	
				4000K	40°	900	90		

Wiring information

Cable / flying lead	0.75mm² - 2.5mm² 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

DM298GRID	LED mains grid dimmer	Sold Separately	73
DM298FP	Faceplate dimmer	Sold Separately	73
LEDEP10EM	Manual-test emergency converter	Sold Separately	366
LEDEP10	Self-test emergency converter	Sold Separately	367

Residential Downlights



Designed for family living spaces to suit architectural decor



True low glare UGR19 as opposed to perceived low glare



Wattage Switch enables range from 550 up to 1000 lumens

Guarantee

5 years

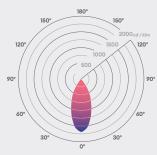
Features & benefits

CCT Switchable Product enables colour temperature choice between 2200K-2700K-3000K-4000K

Select 2700K to highlight warm tones in wood, red brick or sandstone

Select 2200K 'Ember Light' to minimise blue light and create a cosy fireplace environment

Beam angle: 40°







Colour switchable between 2700K, 3000K and 4000K



Wattage switchable between 4.2W & 6W



Switches allow you to choose options at installation

Guarantee

7 years

Features & benefits

High efficacy of 124lm/W

2-part connector provides first fix wiring whilst the luminaire is detached from the connector, loop in loop out, quick maintenance should disconnection/reconnection be required

Compatible with Click Flow CT100 series

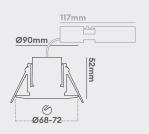
TRIAC Mains dimmable

Fixed with 55 degree beam angle

Compatible with H2 Twist and lock bezels

Control wirelessly from your phone or tablet using Collingwood Smart

Beam angle: 55° 180° 150° 150° 1000 cd/klm 750 120° 90° 60°







H2 Lite CSP White

Colour & Wattage Switchable using switches under bezel

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	>25
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	40,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	No

Installation information

Install connector type	2 part first fit connector
Insulation coverable	Rolled and blown insulation
Cut out size	Ø 68-72mm
Bathroom zone	1
Inrush current	1.8A 0.3ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	235g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△ °	lm	lm/W	Energy
				2700K	55°	450	107	
			4.2W	3000K	55°		124	
DLT551500A	Single unit	White bezel		4000K	55°	500	119	î D
DLISSISUUA	Single unit	included		2700K	55°	55° 625 55° 720	104	Ġ w
			бW	3000K	55°		120	
				4000K	55°	700	117	
DLT551500A8				2700K	55°	450	107	
			4.2W	3000K	55° 520	520	124	
	Multipack x 8	White bezel included		4000K	55°	500	119	
			бW	2700K	55°	625	104	Ġ w
				3000K	55°	720	120	
				4000K	55°	700	117	

Wiring information

Cable / flying lead	0.75mm² - 2.5mm² 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

H2 Bezels	Twist and lock bezels	Sold Separately	65
DLCVT110	Concealer ring for larger cut outs	Sold Separately	72
DM298FP	Faceplate dimmer	Sold Separately	73
DM298GRID	Grid dimmer	Sold Separately	73







H2 Lite CSP Black

Colour & Wattage Switchable using switches under bezel

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	>25
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	40,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	No

Installation information

Install connector type	2 part first fit connector
Insulation coverable	Rolled and blown insulation
Cut out size	Ø 68-72mm
Bathroom zone	1
Inrush current	1.8A 0.3ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	235g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	<i>△</i> °	lm	lm/W	Energy
				2700K	55°	450	107	
			4.2W	3000K	55°	520	124	
DITECTED A DIV	Single unit	Black bezel included		4000K	55°	500	119	
DLT551500ABK				2700K	55°	625	104	
			6W	3000K 55° 72	720	120		
				4000K	55°	700	117	

Wiring information

Cable / flying lead	0.75mm² - 2.5mm² 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

H2 Bezels	Twist and lock bezels	Sold Separately	65
DLCVT110	Concealer ring for larger cut outs	Sold Separately	72
DM298FP	Faceplate dimmer	Sold Separately	73
DM298GRID	Grid dimmer	Sold Separately	73

Residential Downlights



Colour switchable between 2700K, 3000K and 4000K



Wattage switchable between 4.2W & 6W



Switches allow you to choose options at installation

Guarantee

7 years

Features & benefits

High efficacy of 124lm/W

2-part connector provides first fix wiring whilst the luminaire is detached from the connector, loop in loop out, quick maintenance should disconnection/reconnection be required

Compatible with Click Flow CT100 series

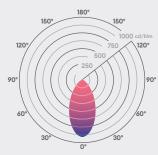
TRIAC Mains dimmable

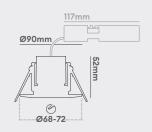
Fixed with 55 degree beam angle $\,$

Compatible with H2 Twist and lock

Control wirelessly from your phone or tablet using Collingwood Smart









Colour switchable between 2700K, 3000K and 4000K



Wattage switchable between 4.2W & 6W



Switches allow you to choose options at installation

Guarantee

7 years

Features & benefits

High efficacy of 124lm/W

2-part connector provides first fix wiring whilst the luminaire is detached from the connector, loop in loop out, quick maintenance should disconnection/reconnection be required

Compatible with Click Flow CT100 series

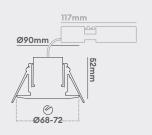
TRIAC Mains dimmable

Fixed with 55 degree beam angle

Compatible with H2 Twist and lock

Control wirelessly from your phone or tablet using Collingwood Smart

Beam angle: 55° 180° 150° 150° 1000 cd/klm 750 120° 90° 60°





H2 Lite CSP Brushed steel

Colour & Wattage Switchable using switches under bezel

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	>25
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	40,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	No

Installation information

Install connector type	2 part first fit connector
Insulation coverable	Rolled and blown insulation
Cut out size	Ø 68-72mm
Bathroom zone	1
Inrush current	1.8A 0.3ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	235g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	w	Colour	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy	
				2700K	55°	450	107		
			4.2W	3000K	55°	520	124		
DITESTOOADS	Brushed Single unit steel bezel included		steel bezel		4000K	55°	500	119	A D
DLT551500ABS					2700K	55°	625	104	Ġ w
			6W	3000K	55°	720	120		
				4000K	55°	700	117		

Wiring information

Cable / flying lead	0.75mm² - 2.5mm² 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

H2 Bezels	Twist and lock bezels	Sold Separately	65
DLCVT110	Concealer ring for larger cut outs	Sold Separately	72
DM298FP	Faceplate dimmer	Sold Separately	73
DM298GRID	Grid dimmer	Sold Separately	73





Colour switchable between 2700K, 3000K and 4000K



High efficacy of 130lm/W



Insulation coverable

Guarantee

7 years

Features & benefits

Wattage switchable between 5W and 7W

Compatible with Collingwood smart system

Quick and easy installation with easy-fit connector

Integrated emergency option available

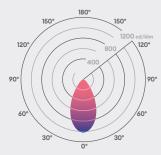
Compatible with twist and lock bezels

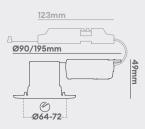
2 part, push fit, loop in/loop out connector

Fixed position downlight

Mains dimmable

Beam angle: 55°









H2 Pro

70,000hrs long lifetime fire-rated downlight with detachable driver for easy repair/upgrade

Features

IP65
Switchable CCT
No
28
Yes
220-240V 50/60Hz
70,000h L70
80 Ra
3 SDCM
Yes

Installation information

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1A 7.5ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	270g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	w	Colour	\chi^\chi	lm	lm/W	Energy		
				2700K	55°	550	110			
	Switchable		5W	3000K	55°	650	130			
DLE5245500	wattage & Bezel sold	tage & Bezel sold schable separately	ge & Bezel sold			4000K	55°	650	130	A D
DLE5245500	switchable CCT				2700K	55°	750	107	Ġ	
	CCI	7W	3000K	55°	850	121				
				4000K	55°	850	121			

To order an emergency version add "EM" to the end of the product code.

Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

H2 Bezels	Twist and lock bezels	Sold Separately	65
DLCONVERT70	Downlight Converter Plate	Sold Separately	72
DLCVT110	Downlight Converter Plate	Sold Separately	72
DM298FP	Faceplate Dimmer	Sold Separately	73
DM298GRID	Grid Dimmer	Sold Separately	73



H4 Pro

70,000hrs long lifetime fire-rated downlight with detachable driver for easy repair/upgrade

Features

IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	20°
UGR	28
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	80 Ra 3 SDCM

Installation information

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 69-72mm
Bathroom zone	1
Inrush current	1A 7.5ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	270g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△ °	lm	lm/W	Energy
Switchable wattage & Be				2700K	55°	550	110	
		5W	3000K	55°	650	130		
		Bezel sold		4000K	55°	650	130	đ D
DLE5295500	switchable s	separately		2700K	55°	750	107	
CCI	CCI		7W	3000K	55°	850	121	
				4000K	55°	850	121	

To order an emergency version add "EM" to the end of the product code.

Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

H4 Pro Bezels	Twist & lock system makes changing bezels quick, clean and easy	Sold Separately	65
DLCONVERT70	Downlight Converter Plate	Sold Separately	72
DLCVT110	Downlight Converter Plate	Sold Separately	72
DM298FP	Faceplate Dimmer	Sold Separately	73
DM298GRID	Grid Dimmer	Sold Separately	73

Residential Downlights



Colour switchable between 2700K, 3000K and 4000K



Wattage switchable between 5W or 7W



Insulation coverable

Guarantee

7 years

Features & benefits

±20° adjustable downlight

Compatible with twist and lock bezels

High efficacy of 130lm/W

Compatible with Collingwood smart system

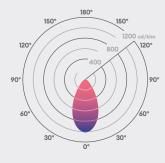
Emergency option available

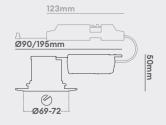
2 part, push fit, loop in/loop out connector

Flexible driver position for lower profile

Mains dimmable

Beam angle: 55°







Quick and easy installation with easy-fit connector



High efficacy of 112lm/W



Insulation coverable

Guarantee

7 years

Features & benefits

Flexible driver with adapted flexible

I Joist and Metal Web Approved

Compatible with Collingwood

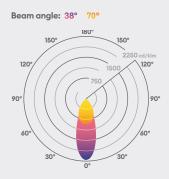
Compatible with twist and lock

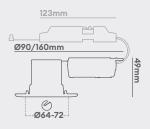
Flicker free

Tri-LED configuration

2 part, push fit, loop in/loop out connector

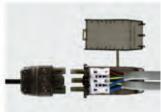
Fixed position downlight











H2 Pro 550

Dimmable, fire-rated downlight with Easy-fit connector

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
UGR	16 (38° Beam angle) 23 (70° Beam angle)
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM
Emergency option	Yes

Installation information

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.4A /0.1ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	186g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	w	ССТ	△ °	lm	lm/W	Energy
DLE4723830	Bezel sold separately	5.2W	3000K	38°	550	106	î D
DLE4723840	Bezel sold separately	5.2W	4000K	38°	580	112	â D
DLE4727030	Bezel sold separately	5.2W	3000K	70°	550	106	â D
DLE4727040	Bezel sold separately	5.2W	4000K	70°	580	112	â D

To order an emergency version add "EM", DALI version add "D" to the end of the product code.

Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

H2 range bezels	Round and square bezel options	Sold Separately	65
DLCVT110	Converter plate	Sold Separately	72
DLCONVERT70	Converter plate	Sold Separately	72
DM298FP	Faceplate dimmer	Sold Separately	73
DM298GRID	Grid dimmer	Sold Separately	73
LEDEP10	Emergency converter	Sold Separately	367







H4 Pro 550

Dimmable, fire-rated LED downlight and Easy-fit connector

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	20°
UGR	16
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
LED lifetime CRI	70,000h L70 80 Ra
	,

Installation information

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 69-72mm
Bathroom zone	1
Inrush current	1.4A /0.1ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	246g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	w	ССТ	△ °	lm	lm/W	Energy
DLE4353830	Bezel sold separately	5.2W	3000K	38°	550	106	â D
DLE4353840	Bezel sold separately	5.2W	4000K	38°	580	112	(D
DLE4357030	Bezel sold separately	5.2W	3000K	70°	550	106	(D
DLE4357040	Bezel sold separately	5.2W	4000K	70°	580	112	â D

To order an emergency version add "EM", DALI version add "D" to the end of the product code.

Wiring information

Cable / flying lead	0.15m
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

H4 Pro bezels	Round bezel options	Sold Separately	65
DLCVT110	Converter plate	Sold Separately	72
DLCONVERT70	Converter plate	Sold Separately	72
DM298FP	Faceplate dimmer	Sold Separately	73
DM298GRID	Grid dimmer	Sold Separately	73

Residential Downlights



Quick and easy installation with easy-fit connector



High efficacy of 112lm/W



Insulation coverable

Guarantee

7 years

Features & benefits

Only 5.2W

Slimline twist & lock bezels (sold separately)

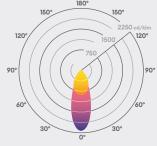
Shallow depth of 49mm

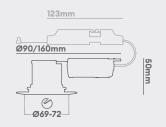
Easy-Fit included

Flexible driver position for easy installation

Has a built-in insulated protector

Beam angle: 38° 70°







Quick and easy installation with easy-fit connector



Dim to Warm downlight



Insulation coverable

Guarantee

7 years

Features & benefits

CRI 90 enhancing the appearances of textures and colours

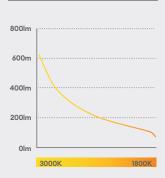
55° beam angle offers superior illumination and allows larger spacing between downlights

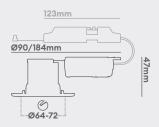
High lumen output of 620lm

Compatible with twist and lock bezels

Mains dimmable

Shallow depth of 47mm for ease of installation in shallow ceiling voids









H2 Pro Dusk

Dim to warm, fire-rated downlight with Easy-fit connector

Features

IP65
Dim to Warm
No
25
Yes
220-240V 50/60Hz
70,000h L70
90 Ra
4 SDCM
Yes

Installation information

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 64-72mm
Bathroom zone	1
Inrush current	1.6A 0.026ms
Construction material	Mild steel / V0 rated plastic
Maximum ceiling thickness	40 mm
Weight	267g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
DLE5435518	Bezel sold separately	8W	1800K - 3000K	55°	620	78	å F

To order an emergency version add "EM" to the end of the product code.

Wiring information

Cable / flying lead	0.24m
Cable required for connector	Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

H2 range bezels	Round and square bezel options	Sold Separately	65
DLCONVERT70	Converter plate	Sold Separately	72
DLCVT110	Converter Plate	Sold Separately	72
DM298FP	Faceplate dimmer	Sold Separately	73
DM298GRID	LED mains grid dimmer	Sold Separately	73
LEDEP10	Emergency converter	Sold Separately	367

H2 & H4 Bezels

Choose the ideal bezel



Change the look without having to change the fitting with our twist and lock bezel options. Slimline, low profile, easy to fit and change.

Use the tables below to choose the perfect bezel accessory

Туре	Antique brass	Matt black	Brushed steel	Matt white	Gloss white	Polished gold	Silver
Round bezel	0	0		0			
Square bezel		\ \		\(\rightarrow\)		\(\)	\(\)

Product codes

RB359BLK Round bezel Brushed steel H2 product Covered as part of the H2 range warr RB359MW Round bezel Matt white H2 product Covered as part of the H2 range warr RB359PG Round bezel Polished gold H2 product Covered as part of the H2 range warr RB359SIL Round bezel Silver H2 product Covered as part of the H2 range warr RB359WH Round bezel Gloss white H2 product Covered as part of the H2 range warr RB359WH Square bezel Matt black H2 product Covered as part of the H2 range warr SQB360BLK Square bezel Matt white H2 product Covered as part of the H2 range warr SQB360PG Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr SQB360SIL Covered as part of the H2 range warr	Product Code	Description	Finish	Compatible with	Guarantee
RB359BS Round bezel Brushed steel H2 product Covered as part of the H2 range warr RB359MW Round bezel Matt white H2 product Covered as part of the H2 range warr RB359PG Round bezel Polished gold H2 product Covered as part of the H2 range warr RB359SIL Round bezel Silver H2 product Covered as part of the H2 range warr RB359WH Round bezel Gloss white H2 product Covered as part of the H2 range warr SQB360BLK Square bezel Matt black H2 product Covered as part of the H2 range warr SQB360MW Square bezel Matt white H2 product Covered as part of the H2 range warr SQB360PG Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr	RB359AB	Round bezel	Antique brass	H2 product	Covered as part of the H2 range warranty
RB359MW Round bezel Matt white H2 product Covered as part of the H2 range warr RB359PG Round bezel Polished gold H2 product Covered as part of the H2 range warr RB359SIL Round bezel Silver H2 product Covered as part of the H2 range warr RB359WH Round bezel Gloss white H2 product Covered as part of the H2 range warr SQB360BLK Square bezel Matt black H2 product Covered as part of the H2 range warr SQB360MW Square bezel Matt white H2 product Covered as part of the H2 range warr SQB360PG Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr	RB359BLK	Round bezel	Matt black	H2 product	Covered as part of the H2 range warranty
RB359PG Round bezel Polished gold H2 product Covered as part of the H2 range warr RB359SIL Round bezel Silver H2 product Covered as part of the H2 range warr RB359WH Round bezel Gloss white H2 product Covered as part of the H2 range warr SQB360BLK Square bezel Matt black H2 product Covered as part of the H2 range warr SQB360MW Square bezel Matt white H2 product Covered as part of the H2 range warr SQB360PG Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr	RB359BS	Round bezel	Brushed steel	H2 product	Covered as part of the H2 range warranty
RB359SIL Round bezel Silver H2 product Covered as part of the H2 range warr RB359WH Round bezel Gloss white H2 product Covered as part of the H2 range warr SQB360BLK Square bezel Matt black H2 product Covered as part of the H2 range warr SQB360MW Square bezel Matt white H2 product Covered as part of the H2 range warr SQB360PG Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr	RB359MW	Round bezel	Matt white	H2 product	Covered as part of the H2 range warranty
RB359WH Round bezel Gloss white H2 product Covered as part of the H2 range warr SQB360BLK Square bezel Matt black H2 product Covered as part of the H2 range warr SQB360MW Square bezel Matt white H2 product Covered as part of the H2 range warr SQB360PG Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr	RB359PG	Round bezel	Polished gold	H2 product	Covered as part of the H2 range warranty
SQB360BLK Square bezel Matt black H2 product Covered as part of the H2 range warr SQB360MW Square bezel Matt white H2 product Covered as part of the H2 range warr SQB360PG Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr	RB359SIL	Round bezel	Silver	H2 product	Covered as part of the H2 range warranty
SQB360MW Square bezel Matt white H2 product Covered as part of the H2 range warr SQB360PG Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr	RB359WH	Round bezel	Gloss white	H2 product	Covered as part of the H2 range warranty
SQB360PG Square bezel Polished gold H2 product Covered as part of the H2 range warr SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr	SQB360BLK	Square bezel	Matt black	H2 product	Covered as part of the H2 range warranty
SQB360SIL Square bezel Silver H2 product Covered as part of the H2 range warr	SQB360MW	Square bezel	Matt white	H2 product	Covered as part of the H2 range warranty
	SQB360PG	Square bezel	Polished gold	H2 product	Covered as part of the H2 range warranty
RB442BLK Round bezel Matt black H4 product Covered as part of the H4 range warr	SQB360SIL	Square bezel	Silver	H2 product	Covered as part of the H2 range warranty
	RB442BLK	Round bezel	Matt black	H4 product	Covered as part of the H4 range warranty
RB442BS Round bezel Brushed steel H4 product Covered as part of the H4 range warr	RB442BS	Round bezel	Brushed steel	H4 product	Covered as part of the H4 range warranty
RB442CR Round bezel Chrome H4 product Covered as part of the H4 range warr	RB442CR	Round bezel	Chrome	H4 product	Covered as part of the H4 range warranty
RB442MW Round bezel Matt white H4 product Covered as part of the H4 range warr	RB442MW	Round bezel	Matt white	H4 product	Covered as part of the H4 range warranty
RB442WH Round bezel Gloss white H4 product Covered as part of the H4 range warr	RB442WH	Round bezel	Gloss white	H4 product	Covered as part of the H4 range warranty

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with

	RB359AB	RB359BLK	RB359BS	RB359MW	RB359PG	RB359SIL	RB359WH	SQB360BLK	SQB360MW	SQB360PG	SQB360SIL	RB442BLK	RB442BS	RB442CR	RB442MW	RB442WH
H2 product range	•			•	•	•	•	•	•	•	•					
H4 product range												•		•	•	
Converter plates page 72	•	•	•	•	•		•						•			•



IP65 from above and below for total protection



Suitable for use in coastal applications



New 2200K to minimise effects of blue light

Guarantee

4 years

Features & benefits

Use 2700K to illuminate materials such as wooden fences, sand or red brick to highlight warm tones

Select 2200K to minimise the effects blue light content has on nocturnal animals to help survival and growth rates

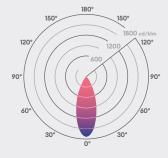
Collingwood Switchable Product

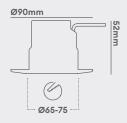
TRIAC mains dimmable suitable for leading and trailing edge dimmers

Bezel integrated to product

Pair with dusk to dawn sensor PCELL kit to bring on when dark and off when light

Beam angle: 40°











H2 Pro Extreme CSP

IP65 (above+below) downlight suitable for installing outdoor in building soffits and canopies

Features

IP rating	IP65 (from below and above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	22
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	40,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	No

Installation information

Install connector type	Flying lead
Insulation coverable	No
Cut out size	Ø 65-75mm
Bathroom zone	1 (ceiling only)
Inrush current	2.3A 0.06ms
Construction material	Aluminium / Plastic
Maximum ceiling thickness	30 mm
Weight	148g
Maximum ambient temperature	-20° to +40°
SELV	Yes
Building regulations	Part C, P & L
Ceiling joist approvals	No
Electric class (1, 2, 3)	2

Photometrics @ 25°C

	<i>^</i> ~	lm	lm/W	Energy
2200K	40°	480	96	
H2EXT1A Switchable Anthracite GCT Grey RAL7016 5W 2700K	40°	570	114	D
3000K	40°	560	112	
2200K	40°	480	96	
H2EXT1B Switchable CCT Black 5W 2700K	40°	570	114	(ÎD)
3000K	40°	560	112	
2200K	40°	480	96	
H2EXT1W Switchable CCT White 5W 2700K	40°	570	114	â D
3000K	40°	560	112	

Wiring information

Cable / flying lead	0.37m H03VVH2-F 2x0.75mm ²
Cable required for connector	0.37m H03VVH2-F 2x0.75mm ²
Type of wiring required	Parallel

DM298GRID	Grid Dimmer	Sold Separately	73
DM298FP	Flatplate Dimmer	Sold Separately	73
PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	403



Sensitivity Lux settings CCT switch Switched Live Out

H2 Sense

Fire-rated downlight within integral PIR and switched live out functionality

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	28
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	44,000h L70 B10
CRI	80 Ra
SDCM	3 SDCM
Emergency option	No

Installation information

Install connector type	Integrated terminals, loop-in/loop-out
Insulation coverable	Rolled and blown insulation
Cut out size	Ø 68-72mm
Bathroom zone	1
Inrush current	<5A 0.15ms
Construction material	Steel and Polycarbonate
Maximum ceiling thickness	40 mm
Weight	0.22kg
Maximum ambient temperature	-10°C to 40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

2700K 50° 600 100 DLSENSE Switchable Bezel sold 6W 3000K 50° 650 108		Product code	Feature	Finish	W	Colour	△ :	lm	lm/W	Energy
				Bezel sold	50°	600	100			
(CC) separately		DLSENSE Switchable CCT			3000K	50°	650	108	A E	
		separatery	0000.000,		4000K	50°	675	113		

Wiring information

Cable / flying lead	0.75mm² - 2.5mm² 3 core cable for connector
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

DLSENWBEZP	H2 Sense White Bezel with PIR	Sold Separately	67
DLSENWBEZ	H2 Sense White Bezel without PIR	Sold Separately	67
DLSENBBEZP	H2 Sense Black Bezel with PIR	Sold Separately	67
DLSENBBEZ	H2 Sense Black Bezel without PIR	Sold Separately	67

Residential Downlights



Colour switchable between 2700K, 3000K and 4000K



PIR downlight for switching those lights OFF in your home that keep getting left ON



High efficacy up to 113lm/W

Guarantee

5 years

Features & benefits

Hold time - adjust from 30secs up to 15 minutes

Sensitivity - Adjust from close range of 10cm up to 2 metres away

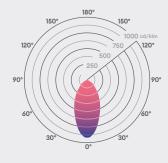
Lux Level - Adjust to keep the light OFF when there is enough natural

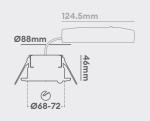
Switched live out to other lights up to 200W (max 30 H2 Sense)

Fire-rated Downlight

Bezel sold seperately

Beam angle: 50°







Colour switchable between 2700K, 3000K and 4000K



High efficacy of 120lm/W



Insulation coverable

Guarantee

7 years

Features & benefits

Fire-rated in both I-Joist and solid timber ceilings

20° adjustable downlight to adjust direction of light

UGR 18 for low glare

Available in mains dimming or 1-10V

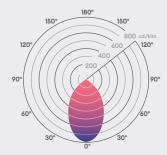
Compatible with magnetic reflectors (sold separately)

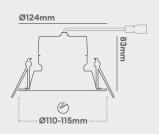
Quick and easy installation with plug and play connector

Emergency version available

Supplied with a silver reflector

Beam angle: 50°







H5 500

Mains dimmable, fire-rated, adjustable, colour switchable downlight

Features

IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	20°
UGR	18
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes

Installation information

Install connector type	Plug & Play
Insulation coverable	Rolled and blown insulation
Cut out size	Ø110-115mm
Bathroom zone	1 (ceiling only)
Inrush current	1.3A 1ms
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	562g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E & P
Ceiling joist approvals	Solid timber, I-Joist
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	w	Colour	\?\	lm	lm/W	Energy
DL507BSM Mains	Mains Brushed steel		2700K	50°	550	110		
		5W	3000K	50°	560	112	î D	
				4000K	50°	600	120	
DL507CRM				2700K	50°	550	110	
	Mains Polished chrome	5W	3000K	50°	560	112		
			4000K	50°	600	120		
DL507MWM				2700K	50°	550 110	110	
	Mains Matt white	5W	3000K	50°	560	112	Î D	
			4000K	50°	600	120		

To order a 1-10V version add "V" to the end of the product code.

Wiring information

Cable / flying lead	0.2m
Cable required for connector	Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

H5REF	H5 reflector range	Sold Separately	70
DM298FP	Faceplate dimmer	Sold Separately	73
DM298GRID	Grid dimmer	Sold Separately	73
DLCVT170	H5 converter plate	Sold Separately	72
LEDEP10	Emergency converter	Sold Separately	367







H5 1000

Mains dimmable, fire-rated, adjustable, colour switchable downlight

Features

IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	20°
UGR	21
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes

Installation information

Install connector type	Plug & Play
Insulation coverable	No
Cut out size	Ø110-115mm
Bathroom zone	1 (ceiling only)
Inrush current	2A 30µs
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	562g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E & P
Ceiling joist approvals	Solid timber, I-Joist
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△ °	lm	lm/W	Energy
				2700K	70°	950	95	
DL510BSM	Mains Brushed steel	Brushed steel	10W	3000K	70°	960	96	å E
			4000K	70°	1010	101		
	Mains Polished chrome		ome 10W	2700K	70°	950	95	
DL510CRM		Polished chrome		3000K	70°	960	96	A E
				4000K	70°	1010	101	
DL510MWM	Mains Matt white		2700K	70°	950	95		
		Matt white	white 10W	3000K	70°	960	96	A E
			4000K	70°	1010	101		

To order an emergency version add "EM", DALI version add "D", 1-10V version add "V" to the end of the product code.

Wiring information

Cable / flying lead	0.2m
Cable required for connector	Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

H5REF	H5 reflector range	Sold Separately	70
DM298FP	Faceplate dimmer	Sold Separately	73
DM298GRID	Grid dimmer	Sold Separately	73
DLCVT170	H5 converter plate	Sold Separately	72
LEDEP10	Emergency converter	Sold Separately	367

Residential Downlights



Colour switchable between 2700K, 3000K and 4000K



High efficacy of 101lm/W



Insulation coverable

Guarantee

7 years

Features & benefits

Fire-rated in both I-Joist and solid timber ceilings

20° adjustable downlight to adjust direction of light

UGR 21 for low glare

Available in mains dimming or 1-10V

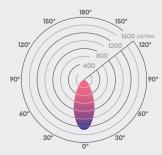
Compatible with magnetic reflectors (sold separately)

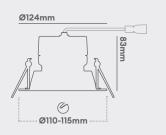
Quick and easy installation with plug and play connector

Emergency version available

Supplied with a silver reflector

Beam angle: 70°





H5 Accessory

Choose the ideal reflector

H5 reflectors have been innovatively designed so they can be easily replaced at any time, and secured in place by magnets.

Use the tables below to choose the perfect reflector accessory

Туре	H5REFB	H5REFC	H5REFG	H5REFW
Accessory on its own				
Accessory on product				

Product codes

Product Code	Description	Finish	Guarantee
H5REFB	Reflector for H5 downlights	Black	7 year extended warranty
H5REFC	Reflector for H5 downlights	Chrome	7 year extended warranty
H5REFG	Reflector for H5 downlights	Gold	7 year extended warranty
H5REFW	Reflector for H5 downlights	White	7 year extended warranty

For full product specification visit **collingwoodlighting.com**

Compatible with

	H5 500 Page 68	H5 1000 Page 69
H5REFB	•	•
H5REFC	•	•
H5REFG	•	•
H5REFW	•	•





H5 Trimless

Plaster-in, trimless, dimmable, fire-rated downlight

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
UGR	14
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Install connector type	Easy-fit connector
Insulation coverable	All insulation
Cut out size	Ø 60-72mm
Bathroom zone	1
Inrush current	0.9A 0.05ms
Construction material	Mild steel / VO rated plastic
Maximum ceiling thickness	40 mm
Weight	240g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	W	сст	<i>△</i> °	lm	lm/W	Energy
DL282WHNWDIM	Matt white	бW	4000K	38°	650	108	(a b)
DL282WHWWDIM	Matt white	6W	3000K	38°	600	100	(D

Wiring information

Cable / flying lead	0.15m (Class II, complete with Easy-Fit connector)
Cable required for connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

DM298FP	Faceplate dimmer	Sold Separately	73
DM298GRID	Grid dimmer	Sold Separately	73
DLCVT170	H5 converter plate	Sold Separately	72

Residential Downlights



Quick and easy installation with easy-fit connector



High efficacy of 108lm/W



Insulation coverable

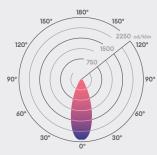
Guarantee

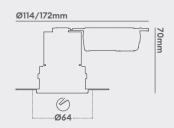
7 years

Features & benefits

Only 6W Mains dimmable

Beam angle: 38°





Converter plates

Choose the ideal converter

The converter plate can be used to install a downlight where the ceiling cut out is too large, or to conceal ceiling damage caused by the removal of an old downlight

Use the tables below to choose the perfect converter plate accessory

Туре	Matt black	Brushed steel	Chrome	Matt white	Gloss white
DLCVT110	0				
DLCVT170					
DLCONVERT70					

Product codes

Product Code	Description	Finish	Cut-out	Guarantee
DLCVT110BLK	Discreet converter plates for the downlight range, 110mm diameter	Matt black	Ø 72 - 95mm	7 year guarantee
DLCVT110BS	Discreet converter plates for the downlight range, 110mm diameter	Brushed steel	Ø 72 - 95mm	7 year guarantee
DLCVT110CR	Discreet converter plates for the downlight range, 110mm diameter	Chrome	Ø 72 - 95mm	7 year guarantee
DLCVT110MW	Discreet converter plates for the downlight range, 110mm diameter	Matt white	Ø 72 - 95mm	7 year guarantee
DLCVT110WH	Discreet converter plates for the downlight range, 110mm diameter	Gloss white	Ø 72 - 95mm	7 year guarantee
DLCVT170BS	Converter plates for the H5 downlight range, 170mm diameter	Brushed steel	Ø 112-155mm	7 year guarantee
DLCVT170CR	Converter plates for the H5 downlight range, 170mm diameter	Chrome	Ø 112-155mm	7 year guarantee
DLCVT170MW	Converter plates for the H5 downlight range, 170mm diameter	Matt white	Ø 112-155mm	7 year guarantee
DLCONVERT70BS	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges, 170mm diameter	Brushed steel	Ø 63 - 150mm	1 year guarantee
DLCONVERT70CR	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges, 170mm diameter	Chrome	Ø 63 - 150mm	1 year guarantee
DLCONVERT70MW	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges, 170mm diameter	Matt white	Ø 70 -150mm	1 year guarantee
DLCONVERT70WH	Hole converter plates for the H2 Pro/H4 Pro/H2 Lite ranges, 170mm diameter	Gloss white	Ø 63 - 150mm	1 year guarantee

For full product specification visit collingwoodlighting.com

Compatible with

	RB359AB	RB359BLK	RB359BS	RB359MW	RB359PG	RB359SIL	RB359WH	SQB360BLK	SQB360MW	SQB360PG	SQB360SIL	RB442BLK	RB442BS	RB442CR	RB442MW	RB442WH
H2 product range	•							•		•						
H4 product range												•	•	•	•	









DM298GRID

250W LED mains grid dimmer

Product Code

	Product code	Description
DM298GRID 250W LED mains grid dimmer	DM298GRID	250W LED mains grid dimmer

Installation information

Guarantee	1 year guarantee
Construction material	Plastic
Dimmer type	Push on / off, rotary dial dim
Grid plate adapters	White adaptors for Hamilton, MK, BG, Crabtree, Schneider, DETA, Hager & Wandsworth grid ranges
Mains supply voltage	220-240V 50/60Hz
Load type	LED dimmable driver only
Load capacity	5W - 250W / 15 LED Units Max.
Phase firing	Trailing edge dimming
Connection terminals	3mm² Max
Back box depth	35mm min
Surface temperature	40°C

Use with

Compatible with all Collingwood dimmable products

DM298FP

100W LED 2 way push on/off rotary dimmer

Product Code

Product code	Description
DM298FP	100W LED 2 way push on/off rotary dimmer

Installation information

Guarantee	1 year guarantee
Construction material	Plastic
Dimmer type	Push on / off, rotary dial dim
Grid plate adapters	-
Mains supply voltage	220-240V 50/60Hz
Load type	LED dimmable driver only
Load capacity	5W - 100W / 10 LED Units Max.
Phase firing	Trailing edge dimming
Connection terminals	3mm² Max
Back box depth	35mm min
Surface temperature	40°C

Use with

Compatible with all Collingwood dimmable products

Use the dimming matrix guide below to determine the correct amount of downlights used per dimmer.

Products	Wattage	DM298FP	DM298GRID	Page
1901	9.6W	1 - 9	1 - 15	Page 86-87
1901 DIM TO WARM	10W	1 - 9	1 - 15	Page 86-87
H2 Deco	6.5W / 10W	1 - 9	1 - 15	Page 53-55
H2 Lite	4.3W	1 - 10	1 - 15	Page 50
H2 Lite CSP	4.2W / 6W	1 - 10	1 - 15	Page 56
H2 Pro	5W / 7W	1 - 10	1 - 15	Page 60
H2 Pro 550	5.2W	1 - 10	1 - 15	Page 62
H2 Pro Dusk	8W	1 - 10	1 - 15	Page 64
H2 Pro Extreme	5W	1 - 10	1 - 15	Page
H4 Lite	4.3W	1 - 10	1 - 15	Page 51
H4 Pro	5W / 7W	1 - 10	1 - 15	Page 61
H4 Pro 550	5.2W	1 - 10	1 - 15	Page 63
H5 Trimless	6W	1 - 10	1 - 15	Page 71
H5 500	5W	1 - 10	1 - 15	Page 68
H5 1000	10W	1 - 8	1 - 15	Page 69

Architectural lighting

Design your light, configure your solution in seconds

Highlight the beauty of interior spaces with the 1901 range of high quality lighting products. Designed and made in Great Britain, the 1901 range embodies over a century of innovative engineering, research and development.

1901 Range

The 1901 range has nine configurable elements which combine to form your bespoke light fitting. Our product code matrix makes selection simple. The available choices start with the bezel colour, and move through all elements of the product, including the beam angle, IP rating, colour temperature dimming method and more.

Fixed downlight



Adjustable downlight



Pendant



Rotatable spot



Building your 1901 product code

Choosing the ideal 1901 fitting

Using the matrix below, working from left to right build your product code.



Product type



Housing / Trim colour



Baffle colour



Style



Downlights

Create your downlight product code by picking from the options to the right

BD

Baffled downlight В

Matt black housing

Matt white housing

0

Matt white baffle

1

Matt black baffle

0

Slim round bezel (available in fixed only)

1

Round bezel

2

Square bezel

3

Single trimless

4

Double trimless



Pendants

Create your pendant product code by picking from the options to the right BP

Baffled pendant

E

Matt black housing & black cable

C

Matt white housing & black cable

L

Matt white housing & white cable

(

Matt white baffle

- 1

Matt black baffle

5

Semi-recessed

6

Surface mount (available in mains dimming only)



Rotatable spot

Create your rotatable spot product code by picking from the options to the right BS

Baffled spot

F

Matt black housing

1

Matt white housing

Matt white baffle

1

Matt black baffle

Semi-recessed

4

Surface mount (available in mains dimming only)

Example

If you wanted a baffled pendant that has matt white housing with black cable, matt black baffle, surface mounted, 3000K, 24° beam angle, mains dimmable, that's not IP65 rated - your product code would be:

BPC16F30MM



Fixed / **Adjustable**



Colour temperature



Beam angle



Dimming



IP rating (leave blank for non-IP)

Adjustable

F

Fixed

27 2700K

28

Dim to warm (available in mains dimming only)

> 30 3000K

40 4000K

Narrow 12° (not available in dim to warm)

M

Medium 24°

W

Wide 50° (dim to warm is 45°) D

DALI-2

M Mains

1-10V

IP65 (available in fixed only)

Leave blank

Standard (IP20 or IP44)

Fixed (default)

27 2700K

28

Dim to warm (available in mains dimming only)

30

3000K

40 4000K

Narrow 12° (not available in dim to warm)

M

Medium 24°

W

Wide 50° (dim to warm is 45°)

DALI-2 (available in semi-recessed only)

M

Mains

V

1-10V (available in semi-recessed only) Leave blank

Standard

Adjustable

27

2700K

Dim to warm (available in mains dimming only)

> 30 3000K

40 4000K

Narrow 12° (not available in dim to warm)

M

Medium 24°

W

Wide 50° (dim to warm is 45°) D

DALI-2 (available in semi-recessed only)

M

Mains

1-10V (available in semi-recessed only) Leave blank

Standard

Product type

The 1901 range is elegant in its simplicity; a downlight with a slim and discreet flat metal bezel, an elongated and slender pendant tube, and a neat and compact rotatable spot

BD - Baffled downlight

A classic downlight which can be fixed or adjustable. A great choice for general illumination of any space.

BP - Baffled pendant

The suspension height of the surface mounted pendant can be adjusted by altering the length of the fabric-covered cable on site. It is also mains dimmable as standard, making it perfect for highlighting kitchen islands or dining tables.

BS - Baffled rotatable spot

A great choice for flexible illumination of focal points, such as artwork or architectural details, creating contrast and drama. Also comes with a choice of a recessed or surface mounted base plate and a range of dimmable driver options



2 Housing / Trim colour

All products in the 1901 range are available in matt black or matt white finish

B - Matt black

A great choice to make the product appear invisible on a dark surface, or create contrasting drama against a light surface.

I - Matt white

Our most popular finish is simply discreet and stylish.

C - Matt white with black cable



3 Baffle colour

With a stylish and sleek design our choice of baffles will create beautifully lit interior spaces.

0 - Matt white baffle

All our downlights, pendants and rotatable spots are available with a matt white baffle for a discreet look.

1 - Matt black baffle

All our downlights, pendants and rotatable spots are available with a matt black baffle for low glare.



Style

Downlight options

Showcasing an aesthetically simple, low-glare luminaire design with superior performance. Choose from round, slim round, square, single trimless or double trimless downlight styles to perfectly illuminate residential and hospitality spaces.



Mounting options for pendants and rotatable spots

5 - Semi recessed

The remote driver and base plate with springs makes this option ideal for mounting on ceilings and walls with a void space.



Single and double trimless versions are plastered in place for the ultimate discreet and stylish finish.



6 - Surface mounted

The mains dimmable driver is integrated into the base, which is ideal when there is limited void space.



Fixed / Adjustable

The functional fittings are available in fixed or adjustable options.

F - Fixed

Fixed downward position achieves a broad spread of ambient light throughout a space.

A - Adjustable

Light can be directed to where it is required, such as highlighting features and artwork on walls.



Colour temperature (CCT)

Creating the ambience and mood of a room is hugely dependant on the chosen lighting. Our selection of colour temperatures result in a comfortable yet high impact lit effect which luxuriously enhances interiors and architectural features.

2700K

Create an inviting, warm ambiance, ideal for living rooms and bedrooms where you want to promote relaxation.

3000K

This is a moderately warm white light which is ideal for general use in residential projects.

4000K

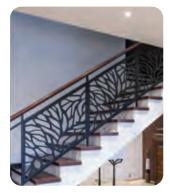
This is a brighter white light so is an excellent choice for home offices and gyms.

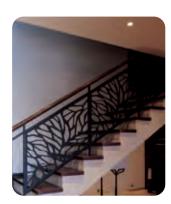
Dim to Warm

Mimic traditional light sources by creating a progressively warmer light as you dim the fitting. 3000K at 100% brightness is perfect for everyday use, or dim all the way through to 1800K at 10% brightness for a really cosy and intimate environment.









7

Beam angle

Wide, medium and narrow beam options can be selected, which can achieve the desired effect for the size of space.

N - Narrow 12°

The narrow beam option has a greater intensity, making it ideal for highlighting features. (Not available in Dim to warm)



M - Medium 24°

Medium beam option has more a wider spread of light, and is a good choice for corridors.



W - Wide 45° or 50°

Wide beam angle is a good choice for creating an even spread of light across a wide open area.



Oimming options

Choose from a choice of drivers to suit any control preferences.



M - Mains driver

A mains driver is suited for dimming via a mains circuit and dimmer switch. Comes with the Collingwood Easy-fit connector to speed-up the installation process.





D - DALI-2 driver

Commission a DALI-2 system to control individual 1901 fittings, or groups of fittings, with the smooth and simple operation as expected from this digital protocol.



V - 1-10V driver

The choice for dimming via an analogue 1-10V control system. Up to 10 drivers can be linked to one dimmer.

IP rating

Three IP ratings are available depending on preference.

IP20

The lowest IP rating of the range is perfect for almost all indoor spaces, such as living rooms, dining rooms and hallways.



IP44

A great choice where they may be a potential exposure to water spray, such as kitchens.



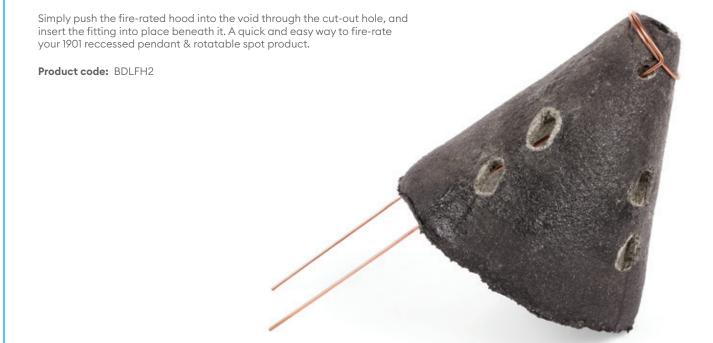
IP65

Where there is a high probability of water spray and airborne moisture, choose IP65. Great for bathrooms.



Make your 1901 product fire-rated

If you require a fire-rating from your 1901 recessed pendant or rotatable spot, you will need a fire hood.



Technical information

Use the table below to work out the photometric data for your 1901 product.

1901	Colour temperature	Beam angle	Wattage	CRI	Lumens	Efficacy (lm/W)	lux at 1m
	4000K	12°	9.6W	≥90Ra	850	94	9018
	4000K	24°	9.6W	≥90Ra	850	94	3450
	4000K	50°	9.6W	≥90Ra	850	94	1400
	3000K	12°	9.6W	≥90Ra	800	89	7816
	3000K	24°	9.6W	≥90Ra	800	89	3250
Single fitting (black baffle)	3000K	50°	9.6W	≥90Ra	800	89	1300
	2700K	12°	9.6W	≥90Ra	800	89	7214
	2700K	24°	9.6W	≥90Ra	800	89	3250
	2700K	50°	9.6W	≥90Ra	800	89	1300
	Dim to warm	24°	9.6W	≥90Ra	600	60	3148
	Dim to warm	45°	9.6W	≥90Ra	600	60	1147
	4000K	12°	19.2W	≥90Ra	2 x 850	94	2 x 9018
	4000K	24°	19.2W	≥90Ra	2 x 850	94	2 x 3450
	4000K	50°	19.2W	≥90Ra	2 x 850	94	2 x 1400
	3000K	12°	19.2W	≥90Ra	2 x 800	89	2 x 7816
	3000K	24°	19.2W	≥90Ra	2 x 800	89	2 x 3250
Double fitting (black baffle)	3000K	50°	19.2W	≥90Ra	2 x 800	89	2 x 1300
	2700K	12°	19.2W	≥90Ra	2 x 800	89	2 x 7214
	2700K	24°	19.2W	≥90Ra	2 x 800	89	2 x 3250
	2700K	50°	19.2W	≥90Ra	2 x 800	89	2 x 1300
	Dim to warm	24°	19.2W	≥90Ra	2 x 600	60	2 x 3148
	Dim to warm	45°	19.2W	≥90Ra	2 x 600	60	2 x 1147
	4000K	12°	9.6W	≥90Ra	900	100	9018
	4000K	24°	9.6W	≥90Ra	900	100	3550
	4000K	50°	9.6W	≥90Ra	900	100	1450
	3000K	12°	9.6W	≥90Ra	850	94	7816
	3000K	24°	9.6W	≥90Ra	850	94	3350
Single fitting (white baffle)	3000K	50°	9.6W	≥90Ra	850	94	1350
	2700K	12°	9.6W	≥90Ra	850	94	7214
	2700K	24°	9.6W	≥90Ra	850	94	3350
	2700K	50°	9.6W	≥90Ra	850	94	1350
	Dim to warm	24°	9.6W	≥90Ra	600	60	3148
	Dim to warm	45°	9.6W	≥90Ra	600	60	1147
	4000K	12°	19.2W	≥90Ra	2 x 900	100	2 x 9018
	4000K	24°	19.2W	≥90Ra	2 x 900	100	2 x 3550
	4000K	50°	19.2W	≥90Ra	2 x 900	100	2 x 1450
	3000K	12°	19.2W	≥90Ra	2 x 850	94	2 x 7816
	3000K	24°	19.2W	≥90Ra	2 x 850	94	2 x 3350
Double fitting (white baffle)	3000K	50°	19.2W	≥90Ra	2 x 850	94	2 x 1350
3,		100	19.2W	≥90Ra	2 x 850	94	2 x 7214
	2700K	12°					
	2700K 2700K	12 24°	19.2W	≥90Ra	2 x 850	94	2 x 3350
					2 x 850 2 x 850	94 94	2 x 3350 2 x 1350
	2700K	24°	19.2W	≥90Ra			



Architectural Lighting



Available in IP65 for various applications



Mains, 1-10V & **DALI-2 dimmable** options



CRI 80 providing true colour appearance

Guarantee

7 Years

Features & benefits

The 1901 family consists of a pendant, spot light and downlight all with a consistent design language

Use our product selector to choose from 1,800 different combinations

Designed & assembled in Northampton UK

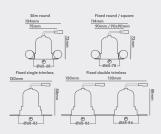
Fixed, Adjustable, Round, Square, Trimless options available

Emergency options available

Fire-rated to 30 minutes for us in Solid timber, I-Joist and Metal Web ceiling joists

Integrated LED using premium components to achieve 70,000 hours/60 years lifetime







1901 Fixed DownlightDesign your light! Modular Architectural Downlight Range

Features

IP rating	IP44 / IP65
CSP switchable	Fixed colour / Dim to warm
Tiltable	Fixed
UGR	1
Dimmable option	Mains / DALI-2 / 1-10V
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	95 Ra
SDCM	3 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size	Slim Round: 65-68mm Fixed: 68-78mm Single trim: 68-76mm Double trim: 68-86mm
Bathroom zone	1
Inrush current	DALI 2: 20A 17µs Mains: 2.6A/0.3ms 1-10V: 10A/22µs
Construction material	Aluminium
Maximum ceiling thickness	40 mm
Weight	240-260g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

See page 85

Wiring information

Cable required for connector 2 x twin & earth (6242Y 3x1.5mm²) or 3-core cable (R02V 3x1.5mm²)

Type of wiring required Parallel

Accessories

LEDEP10	3hr non-maintained, self-test emergency pack (plug & play)	Sold Separately	367
LEDEP09DA	Emergency converter, DALI-2 Addressable, maintained	Sold Separately	368



1901 Adjustable Downlight Design your light! Modular Architectural Downlight Range

Features

IP rating	IP20
CSP switchable	Fixed colour / Dim to warm
Tiltable	20°
UGR	1
Dimmable option	Mains / DALI-2 / 1-10V
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	95 Ra
SDCM	3 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size	Adjustable: 76-78mm Single trim: 68-76mm Double trim: 68-86mm
Bathroom zone	N/A
Inrush current	DALI 2: 20A 17µs Mains: 2.6A/0.3ms 1-10V: 10A/22µs
Construction material	Aluminium
Maximum ceiling thickness	40 mm
Weight	240-260g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P, L & B
Ceiling joist approvals	Solid timber, I-Joist and Metal Web
Electric class (1, 2, 3)	2

Photometrics @ 25°C

See page 85

Wiring information

Cable required for connector	2 x twin & earth (6242Y 3x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

LEDEP10	3hr non-maintained, self-test emergency pack (plug & play)	Sold Separately	367
LEDEP09DA	Emergency converter, DALI-2 Addressable, maintained	Sold Separately	368

Architectural Lighting



Available in IP65 for various applications



Mains, 1-10V & **DALI-2 dimmable** options



CRI 80 providing true colour appearance

Guarantee

7 Years

Features & benefits

The 1901 family consists of a pendant, spot light and downlight all with a consistent design language

Use our product selector to choose from 1,800 different combinations

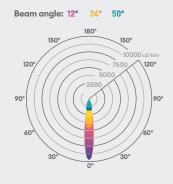
Designed & assembled in Northampton UK

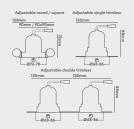
Fixed, Adjustable, Round, Square, Trimless options available

Emergency options available

Fire-rated to 30 minutes for us in Solid timber, I-Joist and Metal Web ceiling joists

Integrated LED using premium components to achieve 70,000 hours/60 years lifetime





Architectural Lighting



Semi-recessed for discreet look



Baffled for low glare and visual comfort



CRI 90 providing true colour appearance

Guarantee

7 Years

Features & benefits

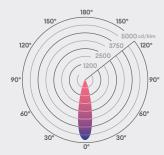
Available with a choice of a matt black or matt white finish

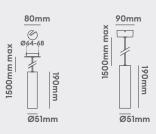
A sleek cylindrical style with hidden fixings

Complete with 1.5m adjustable fabric cable

7 year warranty: Collingwood's signature quality you can trust

Beam angle: 24°







1901 Pendant

Sleek, low glare, pendant

Features

IP rating IP44 CSP switchable Fixed colour / Dim to war	
CSP switchable Fixed colour / Dim to war	
	n
Tiltable Fixed	
UGR 0	
Dimmable option Yes (Mains)	
Input Mains AC	
LED lifetime 70,000h L70	
CRI 90 Ra	
SDCM 3 SDCM	
Emergency option Yes	

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size	65-68mm
Bathroom zone	1
Inrush current	2.6A/33µs
Construction material	Aluminium
Maximum ceiling thickness	40 mm
Weight	450g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P, L, C & E
Electric class (1, 2, 3)	2

Photometrics @ 25°C

See page 85

Wiring information

 Cable required for connector
 2 x twin & earth (6242Y 3x1.5mm²) or 3-core cable (R02V 3x1.5mm²)

 Type of wiring required
 Parallel

Accessories

LEDEP10	3hr non-maintained emergency pack (plug & play)	Sold Separately	367
BDLFH2	Fire Hood	Sold Separately	90





1901 Spot Sleek, low glare, rotatable spot light

Features

IP rating	IP44
CSP switchable	Fixed colour / Dim to warm
Tiltable	90°
Rotatable	355°
UGR	0
Dimmable option	Mains / DALI-2 / 1-10V (Surface mount mains only)
Input	Mains AC
LED lifetime	70,000h L70
CRI	90 Ra
SDCM	3 SDCM
Emergency option	Yes

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size	65-68mm
Bathroom zone	1
Inrush current	DALI: 20A 17µs Mains: 2.6A/0.3ms 1-10V: 10A/22µs
Construction material	Aluminium
Maximum ceiling thickness	40 mm
Weight	350g
Maximum ambient temperature	40°C
SELV	Yes
Building regulations	Part P, L, C & E
Electric class (1, 2, 3)	2

Photometrics @ 25°C

See page 85

Wiring information

Cable required for connector	2 x twin & earth (6242Y 3x1.5mm²) or 3-core cable (R02V 3x1.5mm²)
Type of wiring required	Parallel

Accessories

LEDEP10	3hr non-maintained, self-test emergency pack (plug br/>& play)	Sold Separately	367
BDLFH2	Fire Hood	Sold Separately	90

Architectural Lighting



Semi-recessed for discreet look



360° rotation for total flexibility



CRI 90 providing true colour appearance

Guarantee

7 Years

Features & benefits

Available with a choice of a matt black or matt white finish

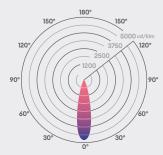
A sleek cylindrical style with hidden

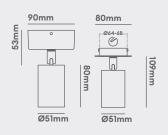
Maximum flexibility with tilt and rotate function to direct light exactly where it is needed

Complete with 1.5m adjustable fabric cable

7 year warranty: Collingwood's signature quality you can trust

Beam angle: 24°





1901 accessories

Do you need a fire-rated hood?

Use a fire-rated hood to make your 1901 recessed pendant or rotatable spot light fire-rated.

Choose the ideal protection



Product codes

Product Code	Description				Guarantee
BDLFH2	Fire-rated hood for recesse	d fittings			7 year extended warranty
Compatible w	vith				
				Spot	Spot
	1901 Downlight	ant	1901 Pendant Surface mount	1901 Rotatable S Semi-recessed	1901 Rotatable S Surface mount
	Down	1901 Pendant Semi-recessed	Pend ace n	Rota:	Rota:
	1901	1901 Sem	1901 Surfe	1901 Sem	1901 Surfe



Decorative lighting

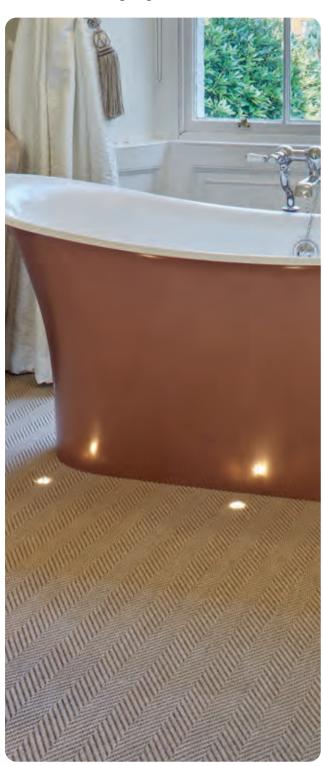
Discreet and interesting

Our extensive range of decorative lighting has a multitude of attractive options which are suitable for any installation.

Choose your effect and how to create it

Highlight architectural features or illuminate specific objects with discreet lighting. The images below demonstrate how to create various effects.

Low-level decorative lighting



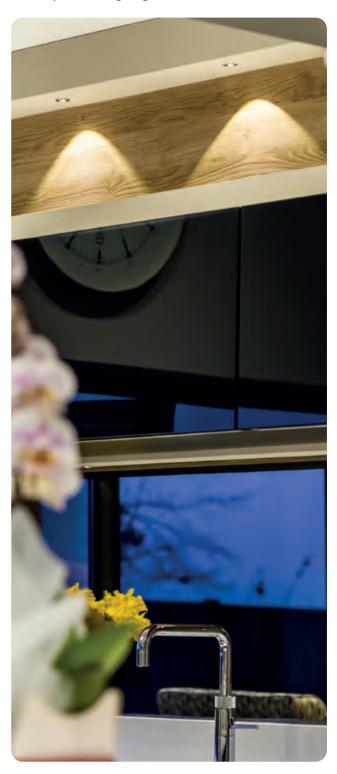
Mid-level wall lighting



Low-level wall lighting



Backdrop / feature lighting



Decorative Lighting



IP20 perfect for internal applications



DALI dimmable option available



CRI 80 providing true colour appearance

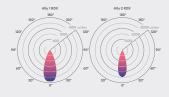
Guarantee

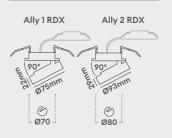
5 years

Features & benefits

Recessed ceiling mounting only Quick and easy installation with springs

Beam angle: 38°







Ally 1 RDX | Ally 2 RDX Adjustable round semi-recessed spotlight

Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	90°
Rotatable	355°
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	90 Ra
SDCM	3 SDCM

Installation information

Photometrics @ 25°C

Product code	Finish	W	сст	<i>\text{\text{c}}</i>	lm	lm/W	Energy
DO527WW05	Black	10W	3000K	38°	1025	72	å E
DO527WW30	White	10W	3000K	38°	1025	72	Å E
DO528WW05	Black	14W	3000K	38°	1270	66	â F
DO528WW30	White	14W	3000K	38°	1270	66	A F

Wiring information

Cable / flying lead	0.5-1.5mm2
Type of wiring required	Parallel

Accessories

CD123	Dimmable DALI constant current converter	Sold Separately
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Ally 3 RDX | Ally 4 RDX Adjustable round recessed spotlight

Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	45°
Rotatable	355°
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	90 Ra
SDCM	3 SDCM

Installation information

Cut out size	DO529 105mm DO530 128mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.354
Maximum ambient temperature	-30°C to +50°C
Electric class (1, 2, 3)	3 (driver class 2)

Photometrics @ 25°C

Product code	Finish	W	сст	\hat{\circ}	lm	lm/W	Energy
DO529WW05	Black	10W	3000K	38°	1025	72	å E
DO529WW30	White	10W	3000K	38°	1025	72	å E
DO530WW05	Black	14W	3000K	38°	1270	66	å F
DO530WW30	White	14W	3000K	38°	1270	66	ā F

Wiring information

Cable / flying lead	0.5-1.5mm2
Type of wiring required	Parallel

Accessories

CD123	Dimmable DALI constant current converter	Sold Separately	
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Decorative Lighting



IP20 perfect for internal applications



DALI dimmable option available



CRI 80 providing true colour appearance

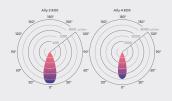
Guarantee

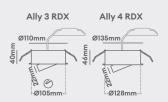
5 years

Features & benefits

Recessed ceiling mounting only Quick and easy installation with

Beam angle: 38°





Decorative Lighting



IP20 perfect for internal applications



DALI dimmable option available



CRI 80 providing true colour appearance

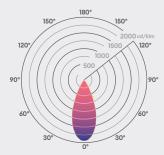
Guarantee

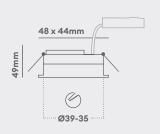
5 years

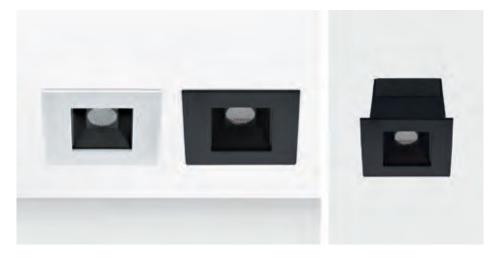
Features & benefits

Remote dimmable converter supplied

Beam angle: 45°







DOTS 3W

3W Recessed spotlight

Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	No
Rotatable	N/A
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	39x35mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.140
Maximum ambient temperature	-20°C to +45°C
Electric class (1, 2, 3)	3 (driver class 2)

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ :	lm	lm/W	Energy
DO500WW05	Black	3W	3000K	45°	320	58	A CO
DO500WW05DA	Black	3W	3000K	45°	320	58	Å
DO500WW30	White	3W	3000K	45°	320	58	
DO500WW30DA	White	3W	3000K	45°	320	58	Å &

Wiring information

Cable / flying lead	0.75-2.5 mm ²
Type of wiring required	Parallel

Accessories

CD127	DALI Dimmable Convertor	Sold Separately
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DOTS 6W

6W Recessed spotlight

Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	No
Rotatable	N/A
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	93x35mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.250
Maximum ambient temperature	-20°C to +45°C
Electric class (1, 2, 3)	3 (driver class 2)

Photometrics @ 25°C

Product code	Finish	w	сст	<i>△</i> °	lm	lm/W	Energy
DO496WW05	Black	6W	3000K	45°	470	58	
DO496WW05DA	Black	6W	3000K	45°	470	58	
DO496WW30	White	6W	3000K	45°	470	58	â B
DO496WW30DA	White	6W	3000K	45°	470	58	â B

Wiring information

Cable / flying lead	0.75-2.5 mm ²
Type of wiring required	Parallel

Accessories

CD127	DALI Dimmable Convertor	Sold Separately
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Decorative Lighting



IP20 perfect for internal applications



DALI dimmable option available



CRI 80 providing true colour appearance

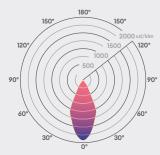
Guarantee

5 years

Features & benefits

Remote dimmable converter supplied

Beam angle: 45°





Decorative Lighting



Perfect for internal applications



Adjustable with a 350° rotation



CRI 80 providing true colour appearance

Guarantee

3 years

Features & benefits

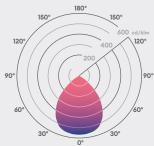
IP23 perfect for indoor applications

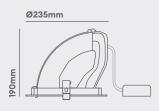
High efficacy of 118lm/W

Adjustable with a 80° tilt

350° adjustable downlight to adjust direction of light

Beam angle: 40°









SPIRA 3 RX

Adjustable round recessed spotlight

Features

IP rating	IP23
CSP switchable	Single CCT
Tiltable	80°
Rotatable	350°
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	7 SDCM

Installation information

Cut out size	215mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Cast Aluminium
Weight	1.720
Maximum ambient temperature	-25°C to +50°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
DO344NW04	White	60W	4000K	40°	8680	118	

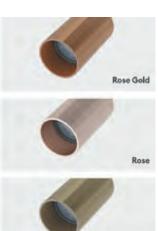
Wiring information

Cable / flying lead	0.75-1.0 mm ²
Type of wiring required	Parallel

Accessories

N/A No accessories required	Sold Separately
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OKTO C GU10

13W Adjustable round wall lamp

Features

IP rating	IP20
Tiltable	85°
Rotatable	355°
Input	220-240V 50/60Hz

Installation information

Cut out size	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.240kg
Maximum ambient temperature	-20°C to +60°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	
WA23002	Matt White - Rose Gold	13W	
WA23005	Matt black	13W	
WA23006	Matt Black - Rose Gold	13W	
WA23008	Matt Black - Champagne	13W	
WA23030	Matt white	13W	
WA23049	Matt White - Champagne	13W	
WA23082	Matt White - Rose	13W	
WA23083	Matt Black - Rose	13W	

Wiring information

Cable / flying lead	0.75-1.0 mm ²
Type of wiring required	Parallel

Accessories

N/A	No accessories required	

Decorative Lighting



13W MAX



Ideal for indoor use with IP20 rating



Adjustable with a 355° rotation

Guarantee

3 years

Features & benefits

85° beam angle for wide illumination

Available in a range of colours, perfect for any setting

Replaceable light source for flexibility and choice of a range of temperatures



Decorative Lighting



2 x 13W MAX



Ideal for indoor use with IP20 rating



Adjustable with a 355° rotation

Guarantee

3 years

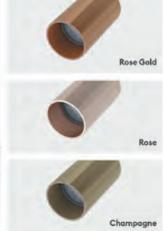
Features & benefits

85° beam angle for wide

Available in a range of colours, perfect for any setting

Replaceable light source for flexibility and choice of a range of temperatures





OKTO 2 C GU10

Adjustable wall lighting

Features

IP rating	IP20
Tiltable	85°
Rotatable	355°
Input	220-240V 50/60Hz

Installation information

Cut out size	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.680kg
Maximum ambient temperature	-20°C to +60°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

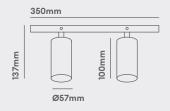
WA23202 Matt White - Rose Gold 2 x13W WA23205 Matt black 2 x13W WA23206 Matt Black - Rose Gold 2 x13W	Product code	Finish	W
WA23206 Matt Black - Rose Gold 2 x13W	WA23202	Matt White - Rose Gold	2 x13W
	WA23205	Matt black	2 x13W
14 H PL 1 0	WA23206	Matt Black - Rose Gold	2 x13W
Matt Black - Champagne 2 x l3W	WA23208	Matt Black - Champagne	2 x13W
WA23230 Matt white 2 x13W	WA23230	Matt white	2 x13W
WA23249 Matt White - Champagne 2 x13W	WA23249	Matt White - Champagne	2 x13W
WA23282 Matt White - Rose 2 x13W	WA23282	Matt White - Rose	2 x13W
WA23283 Matt Black - Rose 2 x13W	WA23283	Matt Black - Rose	2 x13W

Wiring information

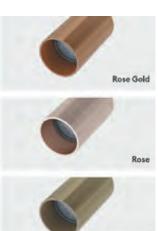
Cable / flying lead	0.75-1.0 mm ²
Type of wiring required	Parallel

Accessories

N/A	No accessories required	







OKTO 4 C GU10

Adjustable wall or ceiling lamp

Features

IP rating	IP20
Tiltable	85°
Rotatable	355°
Input	220-240V 50/60Hz

Installation information

Cut out size	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	1.480
Maximum ambient temperature	-20°C to +60°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	w	
WA23302	Matt White - Rose Gold	4x13W	
WA23305	Matt black	4x13W	
WA23306	Matt Black - Rose Gold	4x13W	
WA23308	Matt Black - Champagne	4x13W	
WA23330	Matt white	4x13W	
WA23349	Matt White - Champagne	4x13W	
WA23382	Matt White - Rose	4x13W	
WA23383	Matt Black - Rose	4x13W	

Wiring information

Cable / flying lead	0.75-1.0 mm ²
Type of wiring required	Parallel

Accessories

N/A	No accessories required	Sold Separately

Decorative Lighting



4 x 13W MAX



Perfect for internal applications



Adjustable with a 355° rotation

Guarantee

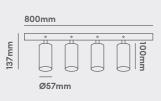
3 years

Features & benefits

Available in a range of colours, perfect for any setting

85° beam angle for wide illumination

Replaceable light source for flexibility and choice of a range of temperatures



Decorative Lighting



2 x 13W MAX



Ideal for indoor use with IP20 rating



IK02 perfect for internal use

Guarantee

3 years

Features & benefits

Replaceable light source for flexibility and choice of a range of temperatures

Available in a range of colours, perfect for any setting



OKTO 2 GU10

Up/down wall light

Features

IP rating	IP20
Tiltable	No
Rotatable	N/A
Input	220-240V 50/60Hz

Installation information

Cut out size	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.360kg
Maximum ambient temperature	-20°C to +60°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

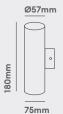
Product code	Finish	w
WA23405	Matt black	2x13W
WA23406	Matt Black - Rose Gold	2x13W
WA23408	Matt Black - Champagne	2x13W
WA23430	Matt white	2x13W
WA23483	Matt Black - Rose	2x13W

Wiring information

Cable / flying lead	0.75-1.0 mm ²
Type of wiring required	Parallel

Accessories

N/A No accessories required





OKTO P GU10

Decorative pendant light

Features

IP rating	IP20
Tiltable	No
Rotatable	N/A
Input	220-240V 50/60Hz

Installation information

Cut out size	N/A
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.400
Maximum ambient temperature	-20°C to +60°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	w	
SU16002	Matt White - Rose Gold	13W	
SU16005	Matt black	13W	
SU16006	Matt Black - Rose Gold	13W	
SU16008	Matt Black - Champagne	13W	
SU16030	Matt white	13W	
SU16049	Matt White - Champagne	13W	
SU16082	Matt White - Rose	13W	
SU16083	Matt Black - Rose	13W	

Wiring information

Cable / flying lead	0.75-1.0 mm ²
Type of wiring required	Parallel

Accessories

N/A	No accessories required	Sold Separately

Decorative Lighting



13W MAX



IP20 perfect for internal applications



IK02 perfect for indoors

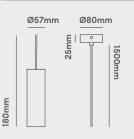
Guarantee

3 years

Features & benefits

Replaceable light source for flexibility and choice of a range of temperatures

Available in a range of colours, perfect for any setting







FULLA

Decorative LED wall light

Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	No
Rotatable	N/A
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	90 Ra
SDCM	3 SDCM

Installation information

Cut out size	/
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	1.300kg
Maximum ambient temperature	-20°C to +50°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
WA169WW30	White	2x7W	3000K	NA	1900	95	å E

Wiring information

Cable / flying lead	0.75-2.5mm ² , AWG18-14
Type of wiring required	Parallel

Accessories

N/A No accessories required

Decorative Lighting



Perfect for internal applications



CRI 90 providing true colour appearance



Staight to mains for easy installation

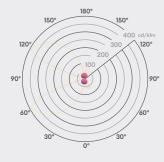
Guarantee

3 years

Features & benefits

Dimmable option available







Decorative Lighting



Quick and easy installation with bespoke wall plug



1W



IP65 ideal for outdoor areas

Guarantee

7 years

Features & benefits

Mini cube spot light for discreet accent lighting of interior and exterior spaces

Quality brushed aluminium finish

Requires 20mm drill bit

MC010 S

Mini cube LED wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Rotatable	360°
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 20mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	100g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	w	сст	△ °	lm	lm/W	Energy
MC010 S 27	Silver	1W	2700K	12°	53	53	A F
MC010 S WW	Silver	1W	3000K	12°	55	55	A F

Wiring information

Cable / flying lead	0.15m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

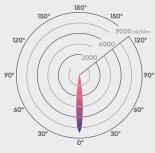
See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PSIP3509W	220-240V	Yes	No	1	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	1	3 to 9

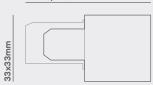
Accessories

CR135	PTFE cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
UY2 CONNECTOR	Quick waterproof connector	Sold Separately	465

Beam angle: 12°



33x33/29.5mm







MC020 S

Up / down mini cuboid LED wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Rotatable	360°
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 20mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	200g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	сст	\chi	lm	lm/W	Energy
MC020 S 27	Silver	2W	2700K	12°	107	54	* F
MC020 S WW	Silver	2W	3000K	12°	110	55	å F

Wiring information

Cable / flying lead	0.15m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PSIP3509W	220-240V	Yes	No	1	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	1	3 to 9

Accessories

CR135	PTFE cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
UY2 CONNECTOR	Quick waterproof connector	Sold Separately	465

Decorative Lighting



Quick and easy installation with bespoke wall plug



2W at 350mA



IP65 ideal for outdoor areas

Guarantee

7 years

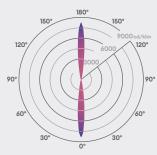
Features & benefits

Bi-directional mini cube for discreet accent lighting of interior and exterior spaces

Quality brushed aluminium finish

Requires 20mm drill bit

Beam angle: 12°





Decorative Lighting



360° wall light perfect for various applications



1W at 350mA



IP65 ideal for outdoor areas

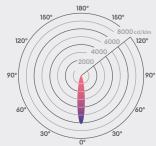
Guarantee

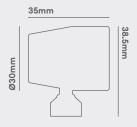
7 years

Features & benefits

Mini spot light for discreet

Beam angle: 16°







MF02 IP

Adjustable LED mini light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	45°
Rotatable	360°
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

	N. / / A
Cut out size	N/A
Bathroom zone	1
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	90g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	w	сст	△ °	lm	lm/W	Energy
MF02 IP 27	Silver	1W	2700K	16°	52	52	A F
MF02 IP WW	Silver	1W	3000K	16°	53	53	å F

Wiring information

Cable / flying lead	0.15m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PSIP3509W	220-240V	Yes	No	1	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	1	3 to 9

WB/M 01/WB/M 02	Single bracket / double bracket	Sold Separately	110
CR135	PTFE cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
UY2 CONNECTOR	Quick waterproof connector	Sold Separately	465



MS02 IP

Adjustable LED mini light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	45°
Rotatable	360°
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	N/A
Bathroom zone	1
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	90g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	сст	\chi	lm	lm/W	Energy
MS02 IP 27	Silver	1W	2700K	12°	49	49	A F
MS02 IP WW	Silver	1W	3000K	12°	50	50	î F

Wiring information

Cable / flying lead	0.15m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PSIP3509W	220-240V	Yes	No	1	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	1	3 to 9

Accessories

WB/M 01 / WB/M 02	Single bracket / double bracket	Sold Separately	110
CR135	PTFE cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
UY2 CONNECTOR	Quick waterproof connector	Sold Separately	465

Decorative Lighting



360° wall light perfect for various applications



1W at 350mA



IP65 ideal for outdoor areas

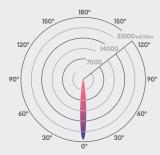
Guarantee

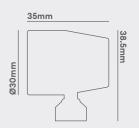
7 years

Features & benefits

Mounting plates available

Beam angle: 12°



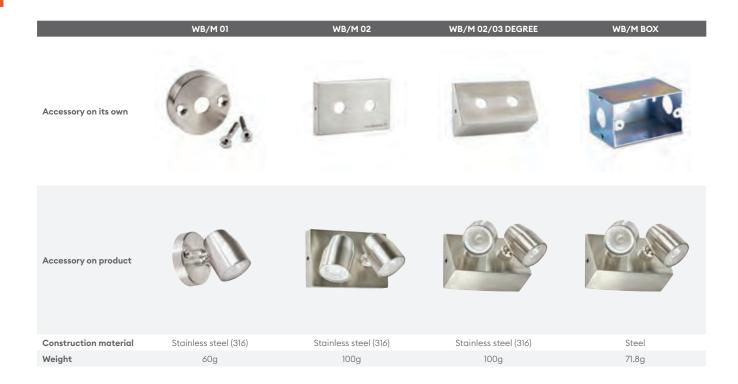


MF02 IP & MS02 IP accessories

Choose the ideal bracket for your mini light

Perfect for any installation with double, single, recessed and angled brackets to choose from.

Choose the ideal accessory



Product codes

Product Code	Description	Guarantee
WB/M 01	Bracket for MF02 IP & MS02 IP	1 year extended warranty
WB/M 02	Bracket for MF02 IP & MS02 IP	1 year extended warranty
WB/M 02/03 DEGREE	Angled double bracket for MF02 IP & MS02 IP	1 year extended warranty
WB/M BOX	Back box for WB/M 02/30 DEGREE	1 year extended warranty

Compatible with

	MF02 IP Page 108	M S02 IP Page 109
WB/M 01	•	•
WB/M 02	•	•
WB/M 02/03 DEGREE	•	•
WB/M BOX	•	•



Decorative Lighting



2.7W



Quick and easy installation



IP54 rated for interior use

Guarantee

5 years

Features & benefits

Interchangeble faceplate with magnetic design

High quality powder coating finish from AkzoNobel

Colour choice of white, black or satin chrome

Shape choice of square of round

Compatible with leading and trailing edge phase cut dimmers



Stepbeam Asymmetrical Wall Light

Features

IP rating	IP54
CSP switchable	Single CCT
Tiltable	Fixed
Rotatable	Fixed
Dimmable option	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	90 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 45mm
Bathroom zone	N/A
Inrush current	1.05A 0.05ms
Construction material	Die-cast aluminum
Weight	25kg
Maximum ambient temperature	-10°C to 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

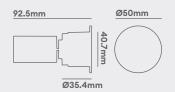
Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
STEPBEAM30	Bezel sold separately	2.7W	3000K	30° to 45°	See Bezel Accessories	See Bezel Accessories	Ā D

Wiring information

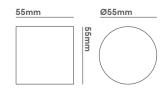
Cable / flying lead	170mm, 2x 0.75mm Live & Neutral
Type of wiring required	Parallel

Accessories

Stepbeam Bezels Round or Square, Circle, Half circle or slot bezels Sold Separately



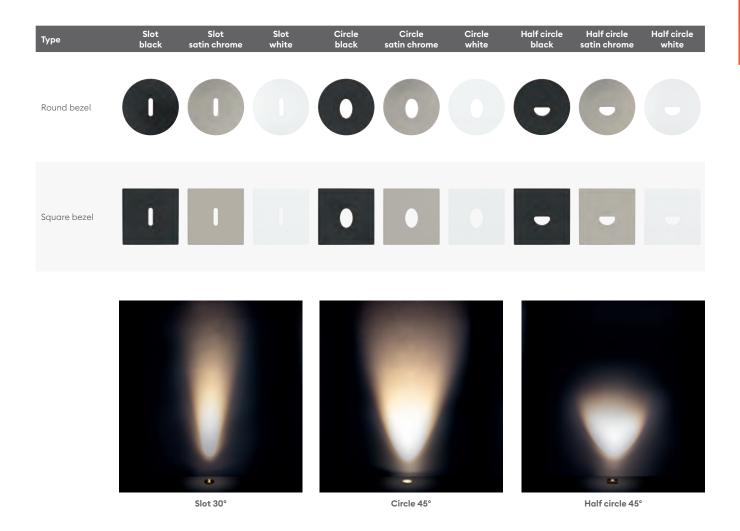




Stepbeam bezel accessories

Choose the ideal bezel for your Stepbeam

Perfect for any installation with our magnetic bezels to choose from.



Photometrics @ 25°C

Product code	Finish	Туре	ССТ	\text{\text{\$\chi}\$}	lm	lm/W
RBEZCIRCLEB	Black	Round circle	3000K	45°	65	24
RBEZCIRCLES	Satin Chrome	Round circle	3000K	45°	65	24
RBEZCIRCLEW	White	Round circle	3000K	45°	65	24
RBEZHCIRCLEB	Black	Round half circle	3000K	45°	28	10
RBEZHCIRCLES	Satin Chrome	Round half circle	3000K	45°	28	10
RBEZHCIRCLEW	White	Round half circle	3000K	45°	28	10
RBEZSLOTB	Black	Round slot	3000K	30°	28	10
RBEZSLOTW	White	Round slot	3000K	30°	28	10
RBEZSLOTWS	Satin Chrome	Round slot	3000K	30°	28	10
SBEZCIRCLEB	Black	Square circle	3000K	45°	65	24
SBEZCIRCLES	Satin Chrome	Square circle	3000K	45°	65	24
SBEZCIRCLEW	White	Square circle	3000K	45°	65	24
SBEZHCIRCLEB	Black	Square half circle	3000K	45°	28	10
SBEZHCIRCLES	Satin Chrome	Square half circle	3000K	45°	28	10
SBEZHCIRCLEW	White	Square half circle	3000K	45°	28	10
SBEZSLOTB	Black	Square slot	3000K	30°	28	10
SBEZSLOTW	White	Square slot	3000K	30°	28	10
SBEZSLOTWS	Satin Chrome	Square slot	3000K	30°	28	10

Decorative Lighting



Coastal protected



1W at 350mA



IP68 ideal for outdoor areas and extreme weather

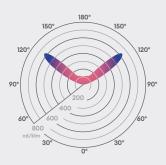
Guarantee

7 years

Features & benefits

Small & discreet decorative recessed LED light

Perfect for discreet decorative light in interior and exterior applications







ML01

Decorative LED mini light

Features

IP rating	IP68
CSP switchable	Single CCT
Tiltable	No
Rotatable	Fixed
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 26mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	50g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	сст	lm	lm/W	Energy
ML0127	Silver	1W	2700K	3.5	3.5	A F
ML01 WW	Silver	1W	3000K	3.6	3	å F
ML01 NW	Silver	1W	4000K	4	4	A F

Wiring information

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

See pages 448-453 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

CR135	PTFE cable	Sold Separately	463
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	463
UY2 CONNECTOR	Quick waterproof connector	Sold Separately	463



ML02

Decorative LED mini light

Features

IP rating	IP68
CSP switchable	Single CCT
Tiltable	No
Rotatable	Fixed
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 26mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Weight	50g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	сст	lm	lm/W	Energy
ML02 27	Silver	1W	2700K	23	23	F
ML02 WW	Silver	1W	3000K	24	24	F
ML02 NW	Silver	1W	4000K	35	35	å F

Wiring information

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

See pages 448-453 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

Accessories

CR135	PTFE cable	Sold Separately	463
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	463
UY2 CONNECTOR	Quick waterproof connector	Sold Separately	463

Decorative Lighting



Coastal protected



1W at 350mA



IP68 ideal for outdoor areas and extreme weather

Guarantee

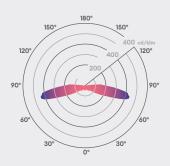
7 years

Features & benefits

Great for guidance lighting

Small & discreet decorative LED light

Raised profile creates diffused glow effect on surrounding surface





Decorative Lighting



Coastal protected



1W at 350mA



IP65 ideal for outdoor areas

Guarantee

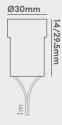
7 years

Features & benefits

Raised profile creates diffused glow effect on surrounding surface

Small, discreet and low glare decorative LED light

150° 150° 150° 150° 120° 90° 60° 120° 60° 30°





ML03

Mini halo LED wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Rotatable	Fixed
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 26mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	60g
Maximum ambient temperature	30°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	сст	lm	lm/W	Energy
ML03 NW	Silver	1W	4000K	40	40	í F
ML03 WW	Silver	1W	3000K	28	28	å F

Wiring information

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

See pages 448-453 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PSIP3509W	220-240V	Yes	No	1	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	1	3 to 9

CR135	PTFE cable	Sold Separately	463
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	463
UY2 CONNECTOR	Quick waterproof connector	Sold Separately	463



WL041IP

Straight to mains, fan effect LED wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Rotatable	Fixed
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	N/A
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Weight	0.3kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code Finish	VV	ССТ	lm	lm/W	Energy
WL041 IPWW Silver	1.6W	3000K	33	21	A F

Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

Accessories

N/A No accessories required	
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Decorative Lighting



1.6W



Coastal protected



IP65 ideal for outdoor environments

Guarantee

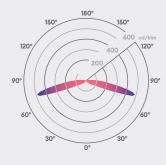
7 years

Features & benefits

Unique radial appearance creates a decorative lit effect on surrounding surfaces

Straight to mains for easy installation

Complete with bracket and waterproof crimp connectors





Decorative Lighting



Quick and easy installation with plug and play connector



Coastal protected



IP65 ideal for outdoor areas

Guarantee

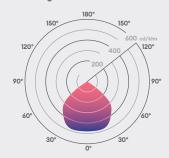
7 years

Features & benefits

Small & discreet

Ideal for decorative lighting

Beam angle: 110°







LED LYTE IP

IP rated mini LED light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Rotatable	Fixed
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 26mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	44g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	w	сст	\chi^\chi	lm	lm/W	Energy
LED LYTE IP 27	Silver	1W	2700K	110°	58	58	î F
LED LYTE IP NW	Silver	1W	4000K	110°	82	82	î F
LED LYTE IP WW	Silver	1W	3000K	110°	63	63	F

Wiring information

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

See pages 448-453 for complete LED driver offer

PLU/PP/350 1-9 (Plug & Play) 220-240V Yes No 1 1 to 9 PSIP3509W 220-240V Yes No 1 1 to 8	Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
220 2101 100 110	PLU/PP/350 1-9 (Plug & Play)	220-240V	Yes	No	1	1 to 9
	PSIP3509W	220-240V	Yes	No	1	1 to 8
PSMD35039 220-240V Yes Yes (mains) 1 3 to 9	PSMD35039	220-240V	Yes	Yes (mains)	1	3 to 9

LED LYTE 1M EXT	1m Plug & Play extension lead	Sold Separately	121
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	Sold Separately	121
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	463



LED LYTE IP T

IP rated threaded mini LED light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Rotatable	Fixed
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 26mm
Bathroom zone	1
Inrush current	N/A
Construction material	Anodised aluminium
Weight	44g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
LED LYTE IPT NW	Silver	1W	4000K	110°	82	82	å F

Wiring information

Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

See pages 448-453 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/PP/350 1-9 (Plug & Play)	220-240V	Yes	No	1	1 to 9
PSIP3509W	220-240V	Yes	No	1	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	1	3 to 9

Accessories

LED LYTE 1M EXT	1m Plug & Play extension lead	Sold Separately	121
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	Sold Separately	121
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	463

Decorative Lighting



Quick and easy installation with plug and play connector



Coastal protected



IP65 ideal for outdoor areas

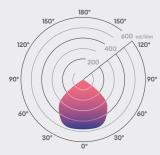
Guarantee

7 years

Features & benefits

Small & discreet

Beam angle: 110°





Decorative Lighting



Quick and easy installation with plug and play connector



Coastal protected



IP30 perfect for interior applications

Guarantee

7 years

Features & benefits

Mini LED perfect for small room e.g.

Small & discreet

LED LYTE

Mini LED light

Features

IP rating	IP30
CSP switchable	Single CCT
Tiltable	No
Rotatable	Fixed
Dimmable option	Driver dependent
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 26mm
Bathroom zone	N/A
Inrush current	N/A
Construction material	Plastic
Weight	20g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	w	сст	<i>△</i> :	lm	lm/W	Energy
LED LYTE NW	Chrome	1W	4000K	110°	82	82	A F
LED LYTE WW	Chrome	1W	3000K	110°	60	60	F

Wiring information

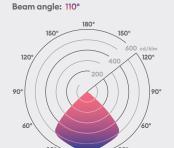
Cable / flying lead	1m (0.205mm² red & black PTFE)
Type of wiring required	Series

Recommended LED drivers

See pages 448-453 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/PP/350 1-9 (Plug & Play)	220-240V	Yes	No	Outside zones	1 to 9
PSIP3509W	220-240V	Yes	No	Outside zones	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	Outside zones	3 to 9

LED LYTE 1M EXT	1m Plug & Play extension lead	Sold Separately	121
LED LYTE 6 WAY EXT	6-way 1m Plug & Play extension lead	Sold Separately	121
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	463





LED Lyte accessories

Choose the ideal cable for LED Lyte

Connect your LED Lyte to a PLU/PP/350 1-9 driver.

Choose the ideal cable



Product codes

Product Code	Description	Cable / flying lead	Guarantee
LED LYTE 1M EXT	1m extension lead (plug & play)	1m (0.205mm² red & black PTFE)	1 year extended warranty
LED LYTE 6 WAY EXT	6-way 1m extension lead lead (plug & play)	1m (0.205mm² red & black PTFE)	1 year extended warranty

Compatible with

	LED Lyte Page 120	LED Lyte IP Page 118	LED Lyte IP T Page 119
LED LYTE 1M EXT	•	•	•
LED LYTE 6 WAY EXT	•	•	•

Strip lights

Flexible or rigid, Collingwood Lighting's wide offering of LED strip lights are a time efficient way of creating stunning results in almost any environment. We offer a bespoke cutting service on both the essential and premium range. As well as the bespoke cutting service, we offer a comprehensive range of accessories designed to ensure that installing these products is quick and easy. Choose from a range of styles and LED colours to emphasise signs, stairs and walls. Collingwood's LED products contain output control technology, ensuring that

all LEDs in the strip receive the same current are the same colour temperature and CRI throughout the entire length. Including IP rated strips in the product portfolio allows the option to install both in and outdoors, with very little maintenance required over time. Combined with the appropriate connectors, the need for unsightly wiring on display is eliminated, allowing the product to be displayed around sharp corners, resulting in a high-quality finish for any installation.



Comparing strip types

Choosing between standard, premium, COF & neon

Our extensive range of decorative and under shelf lighting has a multitude of attractive options which are suitable for any installation.

Flexible tape - Constant voltage

Options for indoor use. Flexible tape for runs up to 5m.

Flexible tape - Current regulated

CRI 90 LED chips allow a high quality option for indoor and outdoor use.
Flexible tape for runs up to 20m.





Dotless strip

COF LED strip is ideal for creating long linear light patterns in indoor applications. In contrast to other types of LED strip, this "chip on flex" design creates a pure dotless appearance, where the individual chips are not visible. Flexible tape for runs up to 5m.



Neon strip

Neon strip provides low glare with a soft and uniform light, ideal for indoor and outdoor use.
Flexible profile for bending in the wall.



Choosing LED strip

Find the ideal strip for your installation

Take into consideration the below questions when choosing your LED strip.

What effect strip do you need?

Strip type

Flexible tape

Ideal for when your strip will not be visible after installation.



•••••

Dottless flexible tape

Ideal for when your strip may be visible after installation.



•••••

Neon bending

Ideal for creating shapes and curves in your installation.



Where are you using your LED strip?

IP ratina

IP20 dry environments

For spaces such as living rooms and other living spaces.



IP44 damp environments

•••••

For indoor spaces such as kitchens, or bathrooms.



IP67 outdoor environments

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For outdoor spaces such as gardens, façades, and under water.



Primary or accent lighting?

Wattaae

4.8W accent lighting

Ideal for lighting under cabinets and kickboards.



9.6W atmosheric lighting

Ideal for lighting in coves to create atmosphere.



14.4W/17W primary lighting

Ideal for lighting up a room using coves or exposed beams.



Warm or cool atmosphere?

2700K wamest

For a warm and intimate feel, use 2700K.



•••••

3000K warm

For the warmth of a halogen, use 3000K.



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4000K neutral white

To replicate the look of daylight, use 2700K.



What length strip do you need?

Lenath

Up to 5m lengths

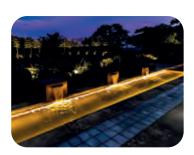
Constant voltage strip is ideal for lengths under 5m.



Over 5m lengths

Current regulated strip is ideal for lengths between 5m and 20m.

•••••



Will you need an accessories?

Accssessories

Profile

Diffuse your light and create a stylish finish with profile.



Connectors

Connectors can be used to extend your strip and go around corners.



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Drivers

The driver will depend on the wattage and length of the strip.



Choosing LED strip

Find the ideal LED strip for your installation

Use the tables below to find the ideal LED strip for your installation.

Flexible tape

(Current regulated - Up to 20m lengths)

Current regulated technology to ensure there is no loss in light output, regardless of how long the strip is or how far away the driver is.

IP rating	Wattage	Colour temperature	Length	Product code		IP rating	Wattage	Colour temperature	Length	Product code	
		2700K	20m	LSC0227200				2700K	20m	LSC8227200	
		2700K	Bespoke	LSC0227	•			2700K	Bespoke	LSC8227	•
	4.8W/m	3000K	20m	LSC0230200			4.8W/m	3000K	20m	LSC8230200	
	4.000/111	3000K	Bespoke	LSC0230	•		4.000/111	3000K	Bespoke	LSC8230	•
		4000K	20m	LSC0240200				4000K	20m	LSC8240200	
		4000K	Bespoke	LSC0240	•			4000K	Bespoke	LSC8240	•
		2700K	20m	LSC0527200				2700K	20m	LSC8527200	
		2700K	Bespoke	LSC0527	•		9.6W/m	2700K	Bespoke	LSC8527	•
	9.6W/m	222214	20m	LSC0530200				3000K	20m	LSC8530200	
	9.6W/m 3000K	3000K	Bespoke	LSC0530	•			3000K	Bespoke	LSC8530	•
		4000K	20m	LSC0540200				4000K	20m	LSC8540200	
IP20		4000K	Bespoke	LSC0540	•	IP68		4000K	Bespoke	LSC8540	•
1720		2700K	10m	LSC0427100		1100		2700K	10m	LSC8427100	
		2700K	Bespoke	LSC0427	•			2700K	Bespoke	LSC8427	•
	14.4W/m	3000K	10m	LSC0430100			14.4W/m	3000K	10m	LSC8430100	
	14.400/111	3000K	Bespoke	LSC0430	•		14.4 00/111	3000K	Bespoke	LSC8430	•
		4000K	10m	LSC0440100				4000K	10m	LSC8440100	
		4000K	Bespoke	LSC0440	•			4000K	Bespoke	LSC8440	•
		2700K	10m	LSC0627100				2700K	10m	LSC8627100	
		2700K	Bespoke	LSC0627	•			2700K	Bespoke	LSC8627	•
	17W/m	3000K	10m	LSC0630100			17W/m	3000K	10m	LSC8630100	
	1/ ۷۷/111	30008	Bespoke	LSC0630	•		17 VV/111	30008	Bespoke	LSC8630	•
		4000K	10m	LSC0640100				4000K	10m	LSC8640100	
	4000	40001	Bespoke	LSC0640	•			40001	Bespoke	LSC8640	•

To finish your bespoke code, see bespoke lengths table.

Flexible tape

(Constant voltage - Up to 5m lengths)

Constant voltage, making it the perfect solution for shorter distances as there will be no loss of light output up to 5m.

IP rating	Wattage	Colour temperature	Length	Product code	
			5m	LSV0227050	
		2700K	50m	LSV0227500	
			Bespoke	LSV0227	•
			5m	LSV0230050	
	4.8W/m	3000K	50m	LSV0230500	
			Bespoke	LSV0230	•
			5m	LSV0240050	
		4000K	50m	LSV0240500	
IP20			Bespoke	LSV0240	•
IFZU			5m	LSV0527050	
	9.6W/m	2700K	50m	LSV0527500	
			Bespoke	LSV0527	•
		3000K	5m	LSV0530050	
			50m	LSV0530500	
			Bespoke	LSV0530	•
			5m	LSV0540050	
			50m	LSV0540500	
			Bespoke	LSV0540	•
		2700K	5m	LSV4227050	
		2700K	Bespoke	LSV4227	•
	4.8W/m	3000K	5m	LSV4230050	
	4.000/111	3000K	Bespoke	LSV4230	•
		4000K	5m	LSV4240050	
ID44		4000K	Bespoke	LSV4240	•
IP44		27006	5m	LSV4527050	
		2700K	Bespoke	LSV4527	•
	0.6\\\\/==	30001	5m	LSV4530050	
	9.6W/m	3000K	Bespoke	LSV4530	•
		4000K	5m	LSV4540050	
		4000K	Bespoke	LSV4540	•

Bespoke lengths

Add the below 3 digits to the end of your bespoke product code to get the exact length you need

Constant voltage: Constant voltage strip is available in bespoke lengths up to 5m. Current regulated: Current regulated strip is available in bespoke lengths up to 20m.

Product Length Produ					
code (m) code		Product code	Length (m)	Product code	Length (m)
001 0.1 051		101	10.1	151	15.1
002 0.2 052	5.2	102	10.2	152	15.2
003 0.3 053	5.3	103	10.3	153	15.3
004 0.4 054	5.4	104	10.4	154	15.4
005 0.5 055	5.5	105	10.5	155	15.5
006 0.6 056	5.6	106	10.6	156	15.6
007 0.7 057	5.7	107	10.7	157	15.7
008 0.8 058	5.8	108	10.8	158	15.8
009 0.9 059	5.9	109	10.9	159	15.9
010 1 060	6	110	11	160	16
011 1.1 061	6.1	111	11.1	161	16.1
012 1.2 062	6.2	112	11.2	162	16.2
013 1.3 063	6.3	113	11.3	163	16.3
014 1.4 064	6.4	114	11.4	164	16.4
015 1.5 065	6.5	115	11.5	165	16.5
016 1.6 066	6.6	116	11.6	166	16.6
017 1.7 067	6.7	117	11.7	167	16.7
018 1.8 068	6.8	118	11.8	168	16.8
019 1.9 069	6.9	119	11.9	169	16.9
020 2.0 070	7	120	12.0	170	17
021 2.1 071	7.1	121	12.1	171	17.1
022 2.2 072	7.2	122	12.2	172	17.2
023 2.3 073	7.3	123	12.3	173	17.3
024 2.4 074	7.4	124	12.4	174	17.4
025 2.5 075	7.5	125	12.5	175	17.5
026 2.6 076	7.6	126	12.6	176	17.6
027 2.7 077	7.7	127	12.7	177	17.7
028 2.8 078	7.8	128	12.8	178	17.8
029 2.9 079	7.9	129	12.9	179	17.9
030 3 080	8	130	13	180	18
031 3.1 081	8.1	131	13.1	181	18.1
032 3.2 082	8.2	132	13.2	182	18.2
033 3.3 083	8.3	133	13.3	183	18.3
034 3.4 084	8.4	134	13.4	184	18.4
035 3.5 085	8.5	135	13.5	185	18.5
036 3.6 086	8.6	136	13.6	186	18.6
037 3.7 087	8.7	137	13.7	187	18.7
038 3.8 088	8.8	138	13.8	188	18.8
039 3.9 089	8.9	139	13.9	189	18.9
040 4 090	9	140	14	190	19
041 4.1 091	9.1	141	14.1	191	19.1
042 4.2 092	9.2	142	14.2	192	19.2
043 4.3 093	9.3	143	14.3	193	19.3
044 4.4 094	9.4	144	14.4	194	19.4
045 4.5 095	9.5	145	14.5	195	19.5
046 4.6 096	9.6	146	14.6	196	19.6
047 4.7 097	9.7	147	14.7	197	19.7
048 4.8 098	9.8	148	14.8	198	19.8
049 4.9 099	9.9	149	14.9	199	19.9
050 5 100	10	150	15	200	200

Choosing Dotless & Neon strip

Find the ideal LED strip for your installation

Most LED strip will have visible dots of light where the chips are, but our dotless and neon strip shows a clean smooth line of light for a premium look.

Dotless (COF)

Flexible and adaptable. Ideal for various applications.

IP rating	Wattage	Colour temperature	Length	Product code
		2700K	5m	LSFA27050
IP20	IP20 8W/m	3000K	5m	LSFA30050
		4000K	5m	LSFA40050

Dotless (LSP)

Flexible and adaptable. Ideal for various applications.

IP rating	Wattage	Colour temperature	Length	Product code
	14W/m	2700K	5m	LSP195027
IP20		3000K	5m	LSP205030
		4000K	5m	LSP225040

φ

Neon (side bending)

Ideal for flat surfaces with a curved line of light.

Bend direction	IP rating	Wattage	Colour temperature	Length	Product code
				3m	LSNS7327030
			2700K	5m	LSNS7327050
				10m	LSNS7327100
				3m	LSNS7330030
	IP67	6.5W/m	3000K	5m	LSNS7330050
				10m	LSNS7330100
			4000K	3m	LSNS7340030
				5m	LSNS7340050
Side				10m	LSNS7340100
side			2700K	3m	LSNS7327030
				5m	LSNS7327050
				10m	LSNS7327100
				3m	LSNS7330030
		9.6W/m	3000K	5m	LSNS7330050
				10m	LSNS7330100
				3m	LSNS7340030
			4000K	5m	LSNS7340050
				10m	LSNS7340100

Neon (top bending)

Ideal for flat surfaces with a curved line of light.

Bend direction	IP rating	Wattage	Colour temperatur	Length	Product code
				3m	LSNT7327030
			2700K	5m	LSNT7327050
				10m	LSNT7327100
				3m	LSNT7330030
	IP67	6.5W/m	3000K	5m	LSNT7330050
				10m	LSNT7330100
			4000K 2700K	3m	LSNT7340030
				5m	LSNT7340050
Т				10m	LSNT7340100
Тор				3m	LSNT7327030
				5m	LSNT7327050
				10m	LSNT7327100
				3m	LSNT7330030
		9.6W/m	3000K	5m	LSNT7330050
				10m	LSNT7330100
				3m	LSNT7340030
			4000K	5m	LSNT7340050
				10m	LSNT7340100

Choosing LED strip profile

Find the ideal profile for your installation

Use the matrix to find the perfect profile for your LED strip

	4	RP28	SM7	SM28	٥	21	LSPLA21314	LSNS1217MPC	LSNS1217MAL	LSNS1217PPC	LSNS1217PAL	LSNS1217PFL	LSNT1312MPC	LSNT1312MAL	LSNT1312PPC	LSNT1312PAL	LSNT1312PFL
Doefile inf	. RP7	8	NS NS	NS .	CX7	C07	rs Fr	rs	rs Fr	S7	ST	ST	ST	ST	ST	S7	S1
Profile info		Recessed	Surface	Surface	Floor	Corner	Plaster-in	Surface	Surface	Surface	Surface	Surface	Surface	Surface		Surface	
Туре			mount	mount	***************************************	•	Straight	mount Clip	mount Clip	mount	mount Straight	mount Side	mount Clip	mount Clip	mount	mount Straight	Top bending
Depth	7mm	28mm	7mm	28mm	7mm	7mm	10mm	19mm	28mm	19mm	28mm	bending 12mm	15mm	19mm	15mm	19mm	14mm
Length	····	1m / 2m		•			2m			1m	1m	_		_	1m	1m	
Length							2111	•									
Flexible to	ape - Cons	tant volt	age														
LSV02	•	•	•		•	•		•	•						•		•
LSV05	•	•	•	•	•	•					-						
LSV42	•		•	•		•			•		•		•		•		
LSV45	•	•	•	•	•	•	-				•						
SP50	•	•	•	•	•	•					•				•		•
SP54	•		•					•									
Flexible to	pe - Curre	ent regulo	ated														
LSC02	•	•	•	•	•	•											
LSC04	•	•	•	•	•	•											
LSC05	•	•	•	•	•	•	•		•		•			•		•	
LSC06	•	•	•	•	•	•	•		•	•	•		•	•	•	•	• · · · · · · · · · · · · · · · · · · ·
LSC82		•	•	•	•	•	•		•		•			•	•		•
LSC84		•		•		•								•	•		
LSC85		•	•	•	•		· •·······	•	<u>.</u>				•		•		•
LSC86		•		•		<u></u>	· •										
Dotless																	
LSFA	•					•	•				•				•		
LSP	•						•	•									
Neon strip	·																
LSNS73								•	•	•	•	•					
LSNS75								•	•	•	•	•					
LSNT73	-												•	•	•	•	•
LSNT75	····•		•		-	•			•				•	•			•

Choosing profile for LED strip

Find the ideal profile for your installation

We recommend housing your LED strip in a profile to provide a clean, flat surface and professional finish.

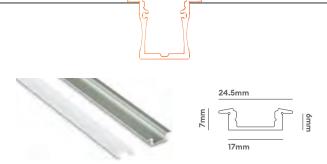
Recessed profile

Ideal for recessing into walled material to blend seamlessly and create flat surfaces.

Surface-mount

Perfect for use in ceiling voids, shelves and under cabinets to create a clean and effective installation.



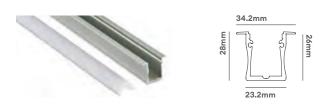


RP7

7mm deep recessed anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	1m: RP7010 2m: RP7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplie	ed with profile)
RP7ECA / RP7ECB End cap	47



RP28

28mm deep recessed anodised aluminium profile and translucent diffuser

Product code	1m: RP28010 2m: RP28020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (sup	plied with profile)
End cap	नाए



SM7

7mm slim surface-mount anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	lm: SM7010 2m: SM7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied	Accessories (sold separately)			
RP7ECA / RP7ECB End cap	SM7MA Mounting bracket	SM7LC Linear connector		
4	D	150		



SM28

28mm deep surface-mount anodised aluminium profile and translucent diffuser

Product code	1m: SM28010 2m: SM28020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (sup	plied with profile)		
SM28ECA End cap	1	SM28MB Mounting bracket	L

7mm deep profile

A thinner, recessed profile will fit into thinner materials. Using a slimmer, surface-mount profile allows for a more discreet output when surface mounted.

28mm deep profile

Using a deeper profile will result in a diffused light, creating a softer ambiance.

Plaster in profile

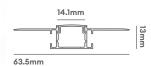
These are perfect for plastered surfaces, fix in place before the plastering has been done, leaving a seemless flat surface.

Surface-mount corner profile

Ideal for installing into a 90° corner, which is ideal for use under shelving and cabinets for a seamless installation.







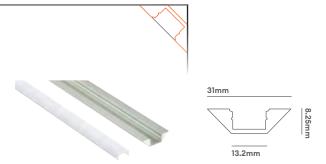
LSPLA21314

2m, 10mm deep Plaster in profile & opal diffuser for LSP strip

Product code	LSPLA21314
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied with profile)

4 x End caps



CO7

45° slim surface-mount corner anodised aluminium profile and translucent diffuser (not compatible with IP68 LED Strip)

Product code	1m: CO7010 2m: CO7020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year



LED cove packs

Cove packs are a great way to illuminate a room by reflecting light off of a ceiling.

Product code	LED COVE PACK
Construction material	Plastic
Guarantee	lyear

Accessories (supplied with profile)

LED cove clip Fixing clip





Why choose a cove pack?

Using a cove pack helps to create a sleek and contemporary finish when directing light from LED strip on to the ceiling. Creates a striking wash of light up the wall as well as light hitting the ceiling.

This paintable, plastic coving is a complete housing for the quickest installation of an illuminated LED coving. An upper channel holds a flexible lighting strip and a lower, concealed channel directs all the cabling. Available in 1m lengths.

Profile for neon side bending strip

Find the perfect profile for your neon strip

Use a profile to mount your neon strip to a surface.

Fixed straight

Ideal for surface mounting and creating straight lines



LSNS1217PPC

Side bending Neon strip polycarbonate profile

Product code	lm: LSNS1217PPC
Construction material	Polycarbonate
Dimensions	15 x 19 x 1000mm
Guarantee	3 year



LSNS1217PAL

Side bend Neon strip aluminum profile, with cove for cable underneath the strip

Product code	1m: LSNS1217PAL
Construction material	Aluminium
Dimensions	15 x 25 x 1000mm
Guarantee	3 year

Side bending

Ideal for surface mounting and creating curved shapes



LSNS1217PFL

Side bending Neon strip flexible profile

Product code	0.5m: LSNS1217PFL
Construction material	Aluminium
Dimensions	28 x 12 x 500mm
Guarantee	3 year

Clips

All purpose surface mounting clips



LSNS1217MPC

Side bending Neon strip polycarbonate clip **Install every 33cm**

Product code	lm: LSNS1217PPC
Construction material	Polycarbonate
Dimensions	15 x 19 x 1000mm
Guarantee	3 vear



LSNS1217MAL

Side bending Neon strip aluminum clip, with cove for cable underneath strip Install every 33cm

Product code	1m: LSNS1217PPC
Construction material	Polycarbonate
Dimensions	15 x 19 x 1000mm
Guarantee	3 year

Profile for neon top bending strip

Find the perfect profile for your neon strip

Use a profile to mount your neon strip to a surface.

Fixed straight

Ideal for surface mounting and creating straight lines



LSNT1312PPC

Top bending Neon strip polycarbonate profile

Product code	1m: LSNT1312PPC
Construction material	Polycarbonate
Dimensions	15 x 15 x 1000mm
Guarantee	3 years



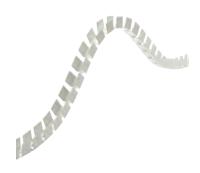
LSNT1312PAL

Top bend Neon strip aluminum profile, with cove for cable underneath the strip

Product code	1m: LSNT1312PAL
Construction material	Aluminium
Dimensions	15 x 19 x 1000mm
Guarantee	3 year

Top bending

Ideal for surface mounting and creating curved shapes



LSNT1312PFL

Top bending Neon strip flexible profile

Product code	50cm: LSNT1312PFL
Construction mat	erial Aluminium
Dimensions	14 x 14 x 500mm
Guarantee	3 year

Clips

All purpose surface mounting clips



LSNT1312MPC

Top bending Neon strip polycarbonate clip **Install every 33cm**

Product code	1m: LSNT1312MPC
Construction material	Polycarbonate
Dimensions	15 x 15 x 25mm
Guarantee	3 year



LSNT1312MAL

Top bending Neon strip aluminum clip, with cove for cable underneath strip Install every 33cm

Product code	1m: LSNT1312MAL
Construction material	Aluminium
Dimensions	15 x 19 x 25mm
Guarantee	3 year

Choosing LED strip connectors

Find the ideal connectors for your strip

Use the matrix to find the perfect connectors for your LED strip

Strip to strip

Strip to strip connectors connect one end of the strip directly to another end of strip creating an almost seamless transition from one piece of strip to the next.



Strip to strip with fly-leads

Connect one piece of strip to another with the flexibility of having fly-leads between them.





	_	_	_	_	_	_	_	_	_	_	_	- ×
Connector information	n											
Туре	Strip to strip	Strip to driver	Flex bend	L bend	Strip to strip	Strip to driver	Flex bend	L bend	Strip to strip	150mm fly-lead	Strip to strip	Strip to strip 150mm fly-lead
.,,,,,	OF.	\mathcal{A}			OF.	\mathcal{A}	\mathcal{L}		•			

Flexible tape - C	onstant voltage										
LSV02	•	•	•	•							
LSV05	•	•	•	•							
LSV42											
LSV45											
***************************************					***************************************	***************************************	 	 •	***************************************	·	

LSC02		•	•	•	•				
LSC04						•	•		
LSC05						•	•		
LSC06						•	•		
LSC82									
LSC84									
LSC85									
LSC86			•	•		•		 •	

Dotless										
LSFA								•	•	
LSP			•	•	•	•				
Neon strip										
LSNS73										
LSNS75										
LSNT73		-					•			

LSNT75

Fly-leads

Use a connector that adds flyleads to your strip to connect your strip to a power supply.



End cap

This is needed at the end of neon strip to complete the circuit.



L bend

Perfect for connecting strip directly to strip on a corner.



LSNS1217B2P

LSNS1217L2P

LSNS1217R2P

LSNS1217EC

LSNT1312B2P

LSNT1312E2P

LSNT1312L2P

LSNT1312R2P

LSNT1312SSF

LSNT1312SS

LSNT1312EC

150mm fly-lead at bottom 1 1

150mm fly-lead at end

150mm fly-lead at left

150mm fly-lead at right

8-















Strip to strip 150mm fly-lead 88-

Strip to strip

End cap



				•							
	_	•		•	•						
	•						•	•	•	•	
						•	•	•	•		•
	•				•			•	•		

Choosing drivers for LED strip

Find the ideal driver for your strip

Use the matrix to find the perfect driver for your LED strip

	PS	PS	S	R	
Driver information					
Constant current or Constant voltage	CV	CV	CV	CV	
Output classification	24V	24V	24V	24V	
IP rating	IP20	IP20	IP20	IP20	
Dimmable	1-10V*	Mains	1-10V*	1-10V*	
DIN rail mount	-	-	-	-	
Plug & Play	-	-	-	-	
Flexible tape - Constant voltage					
LSV02	Up to 3.1m	Up to 5m	Up to 5m	Up to 5m	
LSV05	Up to 1.6m	Up to 3.1m	Up to 3.1m	Up to 5m	
LSV42	Up to 3.1m	Up to 5m	Up to 5m	Up to 5m	
LSV45	Up to 1.6m	Up to 3.1m	Up to 3.1m	Up to 5m	
Flexible tape - Current regulated					
LSC02	Up to 3.1m	Up to 6.3m	Up to 6.3m	Up to 10.4m	
LSC04	Up to 1.6m	Up to 3.1m	Up to 3.1m	Up to 5.2m	
LSC05	Up to 1m	Up to 2.1m	Up to 2.1m	Up to 3.5m	
LSC06	Up to 0.9m	Up to 1.8m	Up to 1.8m	Up to 2.9m	
LSC82					
LSC84					
LSC85					
LSC86					
Dotless					
LSFA	Up to 1.9m	Up to 3.8m	Up to 3.8m	Up to 5m	
LSP	Up to 1.1m	Up to 2.1m	Up to 2.1m	Up to 3.6m	
Neon strip					
LSNS73	Up to 2.3m	Up to 4.6m	Up to 4.6m	Up to 7.7m	

Up to 1.6m

Up to 2.3m

Up to 1.6m

Up to 3.1m

Up to 4.6m

Up to 3.1m

Up to 5.2m

Up to 7.7m

Up to 5.2m

Up to 3.1m

Up to 4.6m

Up to 3.1m

LSNS75

LSNT73

LSNT75

PSDIP6024	PS7524	PSMDIP10024	PSDIP10024	LSD12024	PSDAL20023	PSIP15024	PSIP25024
CV	CV	CV	CV	CV	CV	CV	CV
24V	24V	24V	24V	24V	24V	24V	24V
IP66	IP20	IP66	IP66	IP20	IP66	IP67	IP67
1-10V	No	Mains	1-10V*	1-10V*	DALI	1-10V*	1-10V*
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

*Requires a PDCINT1-10V interface to make it 1 - 10V dimmable

	Up to 5m			Up to 5m			
	Up to 5m			Up to 5m	-		•
	Up to 5m			Up to 5m			•
	Up to 5m	-		Up to 5m	•		
				-	•		•
	Up to 15.6m			Up to 20m			
	Up to 7.8m			Up to 12.5m			
	Up to 5.2m			Up to 8.3m			
	Up to 4.4m			Up to 7.1m			
Up to 12.5m		Up to 20m	Up to 20m		Up to 20m	Up to 20m	Up to 20n
Up to 6.3m		Up to 10.4m	Up to 10.4m		Up to 20m	Up to 15.6m	Up to 20n
Up to 4.2m		Up to 6.9m	Up to 6.9m		Up to 10m	Up to 10m	Up to 10m
Up to 3.5m		Up to 5.9m	Up to 5.9m		Up to 10m	Up to 8.8m	Up to 10m
	Up to 5m			Up to 5m			
	Up to 5m			Up to 5m			
Up to 9.2m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m
Up to 6.3m	Up to 7.8m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m
Up to 9.2m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m
Up to 6.3m	Up to 7.8m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	Up to 10m

Strip Lights



Ideal for accent lighting with 4.8W/m



Ideal for living room and hallways with IP20 rating



Bespoke lengths available

Guarantee

3 years

Features & benefits

Excellent for accent lighting

Cut points every 100mm

Quick and easy installation with 3M self-adhesive backing

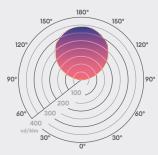
High efficacy of 108lm/W

Enlarged connection points for ease of installation

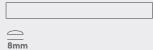
A cost-effective 50m reel box

Can be concealed in a whole range of situations offering a sleek solution to lighting features

Beam angle: 120°



5m/100mm







LSV02

Constant voltage, self-adhesive, flexible IP20 strip

Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	60
Input	24V DC
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	5 SDCM

Installation information

Bathroom zone	2
Construction material	Flexible tape
Maximum running length	5 m
Weight	15g per meter
Maximum ambient temperature	-20°C to 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	w	сст	<i>△</i> :	lm	lm/W	Energy
LSV0227050	5 m	4.8W/m	2700K	120°	450	94	å F
LSV0227500	50 m	4.8W/m	2700K	120°	450	94	Å F
LSV0230050	5 m	4.8W/m	3000K	120°	460	96	A F
LSV0230500	50 m	4.8W/m	3000K	120°	460	96	Å F
LSV0240050	5 m	4.8W/m	4000K	120°	520	108	A F
LSV0240500	50 m	4.8W/m	4000K	120°	520	108	i F

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm ² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	6m Max
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	15m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	31m Max

LSK2208SS / LSK2208SD / LSK2208FB / LSK2208LB	Range of fast fix connectors for use with LSV02	Sold Separately	136
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456





LSV05

Constant voltage, self-adhesive, flexible IP20 strip

Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	5 SDCM

Installation information

Bathroom zone	2
Construction material	Flexible tape
Maximum running length	5 m
Weight	16g per meter
Maximum ambient temperature	-20°C to 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	сст	△ °	lm	lm/W	Energy
LSV0527050	5 m	9.6W/m	2700K	120°	900	94	å F
LSV0527500	50 m	9.6W/m	2700K	120°	900	94	Å F
LSV0530050	5 m	9.6W/m	3000K	120°	930	97	Å F
LSV0530500	50 m	9.6W/m	3000K	120°	930	97	Å F
LSV0540050	5 m	9.6W/m	4000K	120°	1040	108	Å F
LSV0540500	50 m	9.6W/m	4000K	120°	1040	108	Å F

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm ² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	5m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	26m Max

Accessories

LSK2208SS / LSK2208SD / LSK2208FB / LSK2208LB	Range of fast fix connectors for use with LSV05	Sold Separately	136
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456

Strip Lights



Ideal for atmospheric lighting with 9.6W/m



Ideal for living room and hallways with IP20 rating



Bespoke lengths available

Guarantee

3 years

Features & benefits

Excellent for accent lighting

Cut points every 50mm

Quick and easy installation with 3M self-adhesive backing

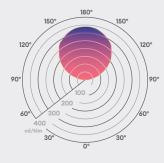
High efficacy of 108lm/W

Enlarged connection points for ease of installation

A cost-effective 50m reel box

Can be concealed in a whole range of situations offering a sleek solution to lighting features

Beam angle: 120°



5m/50mm

Strip Lights



Ideal for accent lighting with 4.8W/m



Ideal for kitchen and bathroom with IP44 rating



Bespoke lengths available

Guarantee

3 years

Features & benefits

Excellent for accent lighting

Cut points every 100mm

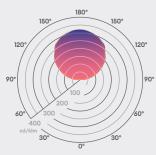
Quick and easy installation with 3M self-adhesive backing

High efficacy of 100lm/W

Enlarged connection points for ease of installation

Has a UV resistant, silicone coating to enable cleaning

Beam angle: 120°



5m/100mm

9mm



LSV42

Constant voltage, self-adhesive, flexible IP44 strip

Features

Strip type	Flexible tape
IP rating	IP44
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	5 SDCM

Installation information

Bathroom zone	1
Construction material	Flexible tape with Silicone coating
Maximum running length	5 m
Weight	30g per meter
Maximum ambient temperature	-20°C to 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	ССТ	△ °	lm	lm/W	Energy
LSV4227050	5 m	4.8W/m	2700K	120°	410	86	â C
LSV4230050	5 m	4.8W/m	3000K	120°	425	89	A C
LSV4240050	5 m	4.8W/m	4000K	120°	480	100	A F

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	6m Max
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	15m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (if no water jets)	31m Max

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456



LSV45

Constant voltage, self-adhesive, flexible IP44 strip

Features

Strip type	Flexible tape
IP rating	IP44
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	5 SDCM

Installation information

Bathroom zone	1
Construction material	Flexible tape with Silicone coating
Maximum running length	5 m
Weight	32g per meter
Maximum ambient temperature	-20°C to 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

LSV4527050 5 m 9.6W/m 2700K 120° 830 87 LSV4530050 5 m 9.6W/m 3000K 120° 860 90 LSV4540050 5 m 9.6W/m 4000K 120° 950 99	Product code	Reel length	w	ССТ	△ :	lm	lm/W	Energy
	LSV4527050	5 m	9.6W/m	2700K	120°	830	87	å s
LSV4540050 5 m 9.6W/m 4000K 120° 950 99	LSV4530050	5 m	9.6W/m	3000K	120°	860	90	A B
	LSV4540050	5 m	9.6W/m	4000K	120°	950	99	A F

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	5m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (if no water jets)	26m Max

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456

Strip Lights



Ideal for atmospheric light with 9.6W/m



Ideal for kitchen and bathroom with IP44 rating



Bespoke lengths available

Guarantee

3 years

Features & benefits

Excellent for accent lighting

Cut points every 50mm

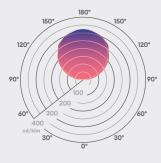
Quick and easy installation with 3M self-adhesive backing

High efficacy of 99lm/W

Enlarged connection points for ease of installation

Has a UV resistant, silicone coating to enable cleaning

Beam angle: 120°



5m/50mm

8mm



Ideal for accent lighting with 4.8W/m



Ideal for living room and hallways with IP20 rating



Bespoke lengths available

Guarantee

5 years Cutting to required length will render this product non-returnable

Features & benefits

Cut points are every 100mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

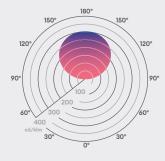
A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

Quick and easy installation with 3M self-adhesive backing

High efficacy of 102 lm/W

CRI 90 providing true colour appearance

Beam angle: 120°



20m/100mm

10mm



LSC₀₂

4.8 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	60
Input	24V DC
LED lifetime	60,000h L70
CRI	90 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	20 m
Weight	28g per meter
Maximum ambient temperature	-20°C to 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	ССТ	~	lm	lm/W	Energy
LSC0227200	20 m	4.8W/m	2700K	120°	420	88	â G
LSC0230200	20 m	4.8W/m	3000K	120°	440	92	A G
LSC0240200	20 m	4.8W/m	4000K	120°	490	102	å F

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	6m Max
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	15m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	31m Max

LSK2210SS / LSK2210SD / LSK2210FB / LSK2210LB	Range of fast fix connectors for use with LSC02	Sold Separately	136
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456



LSC05

9.6 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

Features

220
ingle CCT
es
es
river dependent
20
4V DC
0,000h L70
0 Ra
SDCM

Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	20 m
Weight	28g per meter
Maximum ambient temperature	-20°C to 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	ССТ	△ °	lm	lm/W	Energy
LSC0527200	20 m	9.6W/m	2700K	120°	860	90	å s
LSC0530200	20 m	9.6W/m	3000K	120°	900	94	Å F
LSC0540200	20 m	9.6W/m	4000K	120°	950	99	Å F

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	5m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	26m Max

Accessories

LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	136
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456

Strip Lights



Ideal for atmospheric light with 9.6W/m



Ideal for living room and hallways with IP20 rating



Bespoke lengths available

Guarantee

5 years Cutting to required length will render this product non-returnable

Features & benefits

Cut points are every 50mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no

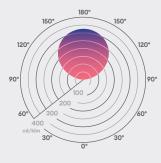
A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

Quick and easy installation with 3M self-adhesive backing

High efficacy of 99lm/W

CRI 90 providing true colour appearance

Beam angle: 120°



20m/50mm





Ideal for primary light with 14.4W/m



Ideal for living room and hallways with IP20 rating



Bespoke lengths available

Guarantee

5 years Cutting to required length will render this product non-returnable

Features & benefits

Cut points are every 50mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

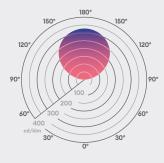
A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

Quick and easy installation with 3M self-adhesive backing

High efficacy of 94lm/W

CRI 90 providing true colour appearance

Beam angle: 120°



10m/50mm

<u>12mm</u>



LSC04

14.4 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	60,000h L70
CRI	90 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	20 m
Weight	28g per meter
Maximum ambient temperature	-20°C to 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code Re	eel length	W	ССТ	△ :	lm	lm/W	Energy
LSC0427100 10) m	14.4W/m	2700K	120°	1200	83	B
LSC0430100 10	m	14.4W/m	3000K	120°	1280	89	A F
LSC0440100 10	m	14.4W/m	4000K	120°	1350	94	A F

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	3m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	8m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	17m Max

PDCINT1-10V 1-10V, Push, I			
PDC/GRID DIMMER Grid dimme	r kit for multiple fitting types Solo	d Separately 4	65
LED COVE PACK Coving to he	ouse adhesive strip Solo	d Separately 1	133
LED STRIP PROFILE RANGE Profile range	e to house adhesive strip Solo	d Separately 1	30
LSAFC122 / LSAFCS122 Range of fas	st fix connectors for use with LSC04/05/06 Solo	d Separately 1	136



LSC₀6

17.0 W/m, IP20, 24V current regulated, high CRI, self-adhesive, flexible strip

Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	60,000h L70
CRI	90 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	20 m
Weight	30g per meter
Maximum ambient temperature	-20°C to 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	сст	A.	lm	lm/W	Energy
LSC0627100	10 m	17.0W/m	2700K	120°	1400	82	â 6
LSC0630100	10 m	17.0W/m	3000K	120°	1450	85	â B
LSC0640100	10 m	17.0W/m	4000K	120°	1600	94	î B

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code In	put :	SELV	Dimming	Bathroom zone	Products per driver
PS7524 22	20-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	3m Max
PSIP15024 22	20-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	8m Max
PSIP25024 22	20-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	14m Max

Accessories

LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	136
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456

Strip Lights



Ideal for primary light with 17W/m



Ideal for living room and hallways with IP20 rating



Bespoke lengths available

Guarantee

5 years Cutting to required length will render this product non-returnable

Features & benefits

Cut points are every 41.6mm

500mm flying leads attached

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no

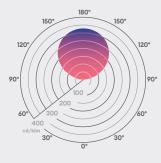
A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

Quick and easy installation with 3M self-adhesive backing

High efficacy of 94lm/W

CRI 90 providing true colour appearance

Beam angle: 120°



10m/41.6mm



Ideal for accent lighting with 4.8W/m



Ideal for wet environments with IP68



Bespoke lengths available

Guarantee

5 years Cutting to required length will render this product non-returnable

Features & benefits

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

Cut points are every 100mm

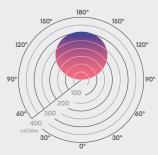
Quick and easy installation with 3M self-adhesive backing

High efficacy of 88 lm/W

High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



20m/100mm





LSC82

4.8 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

Features

Strip type	Flexible tape
IP rating	IP68
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	60
Input	24V DC
LED lifetime	60,000h L70
CRI	90 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Maximum running length	20 m
Weight	110g per meter
Maximum ambient temperature	-20°C to 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

LSC8227200 20 m	4.8W/m	2700K	120°	0.70	75	
		2,0010	120	360	75	
LSC8230200 20 m	4.8W/m	3000K	120°	380	79	A B
LSC8240200 20 m	4.8W/m	4000K	120°	420	88	A G

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	6m Max
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	15m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	31m Max

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456





LSC85

9.6 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

Features

Strip type Flexible tape IP rating IP68 CSP switchable Single CCT Bespoke lengths Yes Self-adhesive backing Yes Dimmable option Driver dependent LED/m 120 Input 24V DC LED lifetime 60,000h L70 CRI 90 Ra SDCM 3 SDCM		
CSP switchable Single CCT Bespoke lengths Yes Self-adhesive backing Yes Dimmable option Driver dependent LED/m 120 Input 24V DC LED lifetime 60,000h L70 CRI 90 Ra	Strip type	Flexible tape
Bespoke lengths Self-adhesive backing Dimmable option LED/m 120 Input 24V DC LED lifetime 60,000h L70 CRI 90 Ra	IP rating	IP68
Self-adhesive backing Yes Dimmable option Driver dependent LED/m 120 Input 24V DC LED lifetime 60,000h L70 CRI 90 Ra	CSP switchable	Single CCT
Dimmable option Driver dependent LED/m 120 Input 24V DC LED lifetime 60,000h L70 CRI 90 Ra	Bespoke lengths	Yes
LED/m 120 Input 24V DC LED lifetime 60,000h L70 CRI 90 Ra	Self-adhesive backing	Yes
Input 24V DC LED lifetime 60,000h L70 CRI 90 Ra	Dimmable option	Driver dependent
LED lifetime 60,000h L70 CRI 90 Ra	LED/m	120
CRI 90 Ra	Input	24V DC
	LED lifetime	60,000h L70
SDCM 3 SDCM	CRI	90 Ra
	SDCM	3 SDCM

Installation information

	Bathroom zone	0
	Construction material	Flexible tape with Silicone coating
	Maximum running length	20 m
	Weight	147g per meter
	Maximum ambient temperature	-20°C to 45°C
	Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	w	сст	\chi^c	lm	lm/W	Energy
LSC8527400	40 m	9.6W/m	2700K	120°	760	79	â 8
LSC8530400	40 m	9.6W/m	3000K	120°	800	83	å 8
LSC8540400	40 m	9.6W/m	4000K	120°	850	89	Å B

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (1 when dimming)	5m Max
LSD12024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (1 when dimming)	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	26m Max

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456

Strip Lights



Ideal for atmospheric light with 9.6W/m



Ideal for wet environments with IP68



Bespoke lengths available

Guarantee

5 years Cutting to required length will render this product non-returnable

Features & benefits

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 20m) suffer no light loss

Cut points are every 50mm

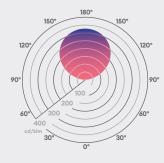
Quick and easy installation with 3M self-adhesive backing

High efficacy of 89lm/W

High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



20m/50mm



Ideal for primary light with 14.4W/m



Ideal for wet environments with IP68



Bespoke lengths available

Guarantee

5 years Cutting to required length will render this product non-returnable

Features & benefits

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

Cut points are every 50mm

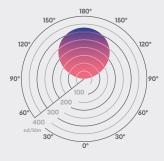
Quick and easy installation with 3M self-adhesive backing

High efficacy of 87 Im/W

High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



IUm/5Umm

____ 14x5mm





LSC84

14.4 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

Features

Strip type	Flexible tape
IP rating	IP68
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	120
Input	24V DC
LED lifetime	60,000h L70
CRI	90 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Maximum running length	10 m
Weight	147g per meter
Maximum ambient temperature	-20°C to 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

LSC8427400 40 m 14.4W,	/m 2700K	120°	1050	73	
			.000	70	Ġ
LSC8430400 40 m 14.4W,	/m 3000K	120°	1150	80	A B
LSC8440400 40 m 14.4W,	/m 4000K	120°	1250	87	A F

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	e Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	3m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	8m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	17m Max

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456





LSC86

17.0 W/m, IP68, 24V current regulated, high CRI, self-adhesive, waterproof flexible strip

Features

Strip type	Flexible tape
IP rating	IP68
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	144
Input	24V DC
LED lifetime	60,000h L70
CRI	90 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	0
Construction material	Flexible tape with Silicone coating
Maximum running length	10 m
Weight	126g per meter
Maximum ambient temperature	-20°C to 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

LSC8627400 40 m 17.0W/m 2700K 120°	1250	74	Å B
LSC8630400 40 m 17.0W/m 3000K 120°	1350	79	A F
LSC8640400 40 m 17.0W/m 4000K 120°	140	82	A F

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS7524	220-240V	Yes	Yes (with PDCINT1-10V)	0 (1 when dimming)	3m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (1 when dimming)	8m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	14m Max

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456

Strip Lights



Ideal for primary light with 17W/m



Ideal for wet environments with IP68



Bespoke lengths available

Guarantee

5 years Cutting to required length will render this product non-returnable

Features & benefits

500mm flying leads soldered

Has high quality LED strip using current regulation without experiencing any light drop off

Long lengths (up to 10m) suffer no light loss

Cut points are every 41.6mm

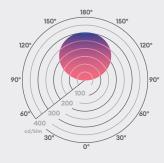
Quick and easy installation with 3M self-adhesive backing

High efficacy of 82 lm/W

High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



10m/41.6mm



Bright enough to be the main, or primary, source of light



High efficiency up to 160 lumens per watt



Dotless light in profile

Guarantee

5 years

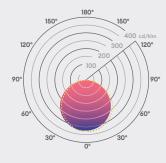
Features & benefits

238 Led chips per metre

High lumen output at approx 2000

Cut points every 29.4mm

Beam angle: 120°



5m/29.4mm

10mm



LSP

LED Strip Primary, 14W/m, IP20, 5m

Features

Strip type	Flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	238
Input	24V DC
LED lifetime	54,000h L70
CRI	80 Ra
SDCM	4 SDCM

Installation information

Bathroom zone	N/A
Construction material	Copper
Maximum running length	5 m
Weight	170g
Maximum ambient temperature	40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Reel length	W	ССТ	△ °	lm	lm/W	Energy
LSP195027	5 m	14W/m	2700K	120°	1960	140	ÊE
LSP205030	5 m	14W/m	3000K	120°	2000	143	å E
LSP225040	5 m	14W/m	4000K	120°	2240	160	† D

Wiring information

Cable / flying lead	300mm Flying Lead
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	3m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	8m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	17m Max

LSK2210SS	10mm Strip to Strip Fast Fix Connector	Sold Separately	136
LSK2210SD	10mm Strip to Driver Fast Fix Connector	Sold Separately	136
LSK2210FB	10mm Strip to Strip Fast Fix Flexible Bend	Sold Separately	136
LSK2210LB	10mm Strip to Strip Fast Fix 'L' Bend	Sold Separately	136



COF Strip

COF Dotless LED Strip, 8W/m, 5m reel with self adhesive backing

Features

Strip type	Dotless flexible tape
IP rating	IP20
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	Yes
Dimmable option	Driver dependent
LED/m	280
Input	24V DC
LED lifetime	36,000h L90
CRI	90 Ra
SDCM	4 SDCM

Installation information

Bathroom zone	N/A
Construction material	Flexible tape
Maximum running length	2.5 m
Weight	20g/m
Maximum ambient temperature	-20°C to 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	ССТ	△ °	lm	lm/W	Energy
LSFA0727050	5 m	8W/m	2700K	140°	680	85	6 6
LSFA0730050	5 m	8W/m	3000K	140°	690	86	A B
LSFA0740050	5 m	8W/m	4000K	140°	730	91	A B

Wiring information

Cable / flying lead	Supplied with 500mm, 2x0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	3m Max
PS7524	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	9m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	18m Max

Accessories

LSAFD82	Strip Fast Fix Connector COF 8mm 2 pins	Sold Separately	
LSAFD82F	Strip Fast Fix Cable COF 8mm 2 pins	Sold Separately	
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	126
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Strip Lights



Ideal for accent lighting with 8W/m



Ideal for living room and hallways with IP20 rating



Dotless LED strip

Guarantee

3 years

Features & benefits

High quality LED strip maintaining light quality and consistency

Available in 5m reels

CRI 90 providing true colour appearance

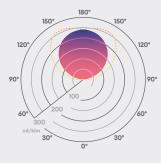
Flexible strip to allow installation in a variety of applications and uneven surfaces

Quick and easy installation with 3M self-adhesive backing

Cut points at every 29.4mm

500mm flying leads attached

Beam angle: 140°



5m/29.4mm

9mm



Ideal for accent lighting with 6.5W/m



Ideal for wet environments with IP67 rating



Side bending strip

Guarantee

5 years

Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

Long lengths (up to 10m) suffer no light loss

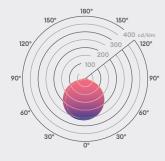
Cut points are every 50mm

A range of fixing accessories, both rigid and flexible, allowing various installations. Fixing accessories need to be acquired to allow install the neon strip

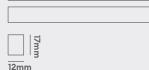
Has a high-grade silicone extruded coating, UV and chemical resistant (chlorine & salt water)

CRI 80 providing true colour appearance

Beam angle: 120°



3m,5m,10m/50mm





LSNS73

6.5 W/m, IP67, 24V constant voltage, side bend, waterproof flexible neon strip

Features

Strip type	Flexible tape
IP rating	IP67
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	No
Dimmable option	Driver dependent
LED/m	140
Input	24V DC
LED lifetime	60,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

0,1 (with dimming)
Flexible tape with Silicone coating
10 m
234g per meter
-20°C to 40°C
3

Photometrics @ 25°C

Product code	Reel length	W	ССТ	△ °	lm	lm/W	Energy
LSNS7327030	3 m	6.5W/m	2700K	120°	290	45	A E
LSNS7327050	5 m	6.5W/m	2700K	120°	290	45	A E
LSNS7327100	10 m	6.5W/m	2700K	120°	290	45	A E
LSNS7330030	3 m	6.5W/m	3000K	120°	310	47	A E
LSNS7330050	5 m	6.5W/m	3000K	120°	310	47	A E
LSNS7330100	10 m	6.5W/m	3000K	120°	310	47	Å E
LSNS7340050	5 m	6.5W/m	4000K	120°	315	48	Ē
LSNS7340100	10 m	6.5W/m	4000K	120°	315	48	A E

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	7m Max
PS7524	220-240V 50/60Hz	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	11m Max
PSIP15024	220-240V 50/60Hz	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	23m Max

LSNS12	Range of connection and fixing accessories	Sold Separately	137
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	130
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LFD drivers	Sold Separately	456





LSNS75

9.6 W/m, IP67, 24V constant voltage, side bend, waterproof flexible neon strip

Features

Strip type	Side bending
IP rating	IP67
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	No
Dimmable option	Driver dependent
LED/m	140
Input	24V DC
LED lifetime	60,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	0, 1 (with dimming)
Construction material	Flexible tape with Silicone coating
Maximum running length	5 m
Weight	234g per meter
Maximum ambient temperature	-20°C to 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	сст	<i>∧</i> :	lm	lm/W	Energy
LSNS7527030	3 m	9.6W/m	2700K	120°	450	47	A E
LSNS7527050	5 m	9.6W/m	2700K	120°	450	47	Å E
LSNS7530030	3 m	9.6W/m	3000K	120°	460	48	ÈE
LSNS7530050	5 m	9.6W/m	3000K	120°	460	48	Å E
LSNS7540030	3 m	9.6W/m	4000K	120°	470	49	Å E
LSNS7540050	5 m	9.6W/m	4000K	120°	470	49	A E

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	5m Max
LSD12024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	26m Max

Accessories

LSNS12	Range of connection and fixing accessories	Sold Separately	137
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	130
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456

Strip Lights



Ideal for atmospheric light with 9.6W/m



Ideal for wet environments with IP67 rating



Side bending strip

Guarantee

5 years

Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

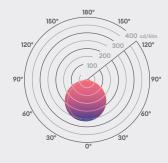
Long lengths (up to 5m) suffer no light loss

Cut points are every 50.0mm

A range of fixing accessories, both rigid and flexible, allowing various installations. Fixing accessories need to be acquired to allow install the neon strip

Has a high-grade silicone extruded coating, UV and Chemicals resistant

Beam angle: 120°



3m,5m/50mm				
17mm 12mm				



Ideal for accent lighting with 6.5W/m



Ideal for wet environments with IP67 rating



Top bending strip

Guarantee

5 years

Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

Long lengths (up to 10m) suffer no light loss

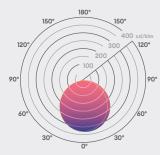
Cut points are every 50.0mm

A range of fixing accessories, both rigid and flexible, allowing various installations. Fixing accessories need to be acquired to allow install the neon strip

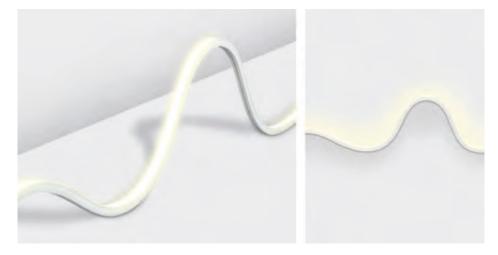
Has a high-grade silicone extruded coating, UV and Chemicals resistant

CRI 80 providing true colour appearance

Beam angle: 120°







LSNT73

6.5 W/m, IP67, 24V constant voltage, top bend, waterproof flexible neon strip

Features

Strip type	Top bending
IP rating	IP67
CSP switchable	Single CCT
Bespoke lengths	No
Self-adhesive backing	No
Dimmable option	Driver dependent
LED/m	140
Input	24V DC
LED lifetime	60,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	0,1 (with dimming)
Construction material	Flexible tape with Silicone coating
Maximum running length	10 m
Weight	172g per meter
Maximum ambient temperature	-20°C to 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	ССТ	△ °	lm	lm/W	Energy
LSNT7327030	3 m	6.5W/m	2700K	120°	510	78	A E
LSNT7327050	5 m	6.5W/m	2700K	120°	510	78	å E
LSNT7327100	10 m	6.5W/m	2700K	120°	510	78	å E
LSNT7330030	3 m	6.5W/m	3000K	120°	520	80	ÊE
LSNT7330050	5 m	6.5W/m	3000K	120°	520	80	ÉE
LSNT7330100	10 m	6.5W/m	3000K	120°	520	80	Å E
LSNT7340030	3 m	6.5W/m	4000K	120°	530	81	A E
LSNT7340050	5 m	6.5W/m	4000K	120°	530	81	A E
LSNT7340100	10 m	6.5W/m	4000K	120°	530	81	A E

Wiring information

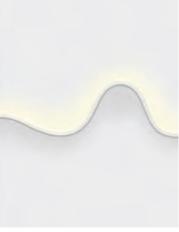
Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	7m Max
PS7524	220-240V 50/60Hz	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	11m Max
PSIP15024	220-240V 50/60Hz	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	23m Max

LSNT13	Range of connection and fixing accessories	Sold Separately	137
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	130
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456





LSNT75

9.6 W/m, IP67, 24V constant voltage, top bend, waterproof flexible neon strip

Features

Strip type	Top bending		
IP rating	IP67		
CSP switchable	Single CCT		
Bespoke lengths	No		
Self-adhesive backing	No		
Dimmable option	Driver dependent		
LED/m	140		
Input	24V DC		
LED lifetime	60,000h L70		
CRI	80 Ra		
SDCM	3 SDCM		

Installation information

Bathroom zone		0, 1 (with dimming)			
	Construction material	Flexible tape with Silicone coating			
	Maximum running length	5 m			
Weight		172g per meter			
	Maximum ambient temperature	-20°C to 40°C			
	Electric class (1, 2, 3)	3			

Photometrics @ 25°C

Product code	Reel length	W	сст	\chi^c	lm	lm/W	Energy
LSNT7527030	3 m	9.6W/m	2700K	120°	770	80	A E
LSNT7527050	5 m	9.6W/m	2700K	120°	770	80	Å E
LSNT7530030	3 m	9.6W/m	3000K	120°	780	81	ÈE
LSNT7530050	5 m	9.6W/m	3000K	120°	780	81	Å E
LSNT7540030	3 m	9.6W/m	4000K	120°	792	82	Å E
LSNT7540050	5 m	9.6W/m	4000K	120°	792	82	A E

Wiring information

Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (1 when dimming)	5m Max
LSD12024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (1 when dimming)	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	26m Max

Accessories

LSNT13	Range of connection and fixing accessories	Sold Separately	137
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	130
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	456

Strip Lights



Ideal for atmospheric light with 9.6W/m



Ideal for wet environments with IP67 rating



Top bending strip

Guarantee

5 years

Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

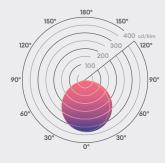
Long lengths (up to 5m) suffer no light loss

Cut points are every 50.0mm

A range of fixing accessories, both rigid and flexible, allowing various installations. Fixing accessories need to be acquired to allow install the neon strip

Has a high-grade silicone extruded coating, UV and Chemicals resistant

Beam angle: 120°



3m,5m/50mm	
13mm	



Ideal for accent lighting with 4.8W/m



Ideal for kitchen and bathroom with IP44 rating



Quick and easy installation with 3M self-adhesive backing

Guarantee

3 years

Features & benefits

Driver included

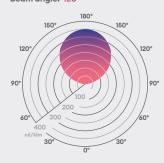
Excellent for accent lighting

Cut points every 100mm

3M self-adhesive backing for secure and easy installation

Supplied in a resealable, antistatic bag to protect during transit

Beam angle: 120°



5m/100mm

8mm



SP50

IP20 LED strip pack and driver

Features

Strip type	Flexible tape		
IP rating	IP20		
CSP switchable	Single CCT		
Bespoke lengths	No		
Self-adhesive backing	Yes		
Dimmable option	Driver dependent		
LED/m	120		
Input	220-240V 50/60Hz		
LED lifetime	30,000h		
CRI	80 Ra		
SDCM	5 SDCM		

Installation information

Bathroom zone	2
Construction material	Flexible tape
Maximum running length	5 m
Weight	53g per meter
Maximum ambient temperature	40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	ССТ	♂	lm	lm/W	Energy
SP5027	5 m	4.8W/m	2700K	120°	430	90	å F
SP5030	5 m	4.8W/m	3000K	120°	450	94	å F
SP5040	5 m	4.8W/m	4000K	120°	490	102	A F

Wiring information

Cable / flying lead	Supplied with a minimum of 200mm flying lead from one end
Type of wiring required	Parallel

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	130
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456



Landscape

Lighting has the potential to dramatically enhance the overall design of any landscape, and should be considered at the start of every design. Providing an abundance of benefits for both residential and commercial spaces, landscape lighting can add safety, security, ambiance, mood and drama to the overall environment. Limited only by the designer's imagination, the practical functions and various mood effects that can be established are endless. Our range of ground lights are built to last and can be used in many environments, even coastal areas with our marine grade stainless steel 316 products, providing you with the reassurance that the products will look as good as the day they were fitted.

In addition to ground lights, the use of wall and spike lights in any design will amplify the overall look and feel. Available in contemporary finishes such as anodised bronze and copper, they are sure to add depth and edge to any design. Charismatic and timeless, finishing your overall design with our hand crafted, bespoke bollard range will ensure a safe, dynamic and elegantly lispace to compliment the surroundings.



Landscape lighting

Adding depth to landscapes

Transforming any landscape with lighting design is as important as interior lighting. It can invigorate the environment and bring the space to life.

Incorporating lighting into landscape design

To amplify the quality of a landscape, lighting should be incorporated into the design. When it comes to landscape lighting, three key areas should be considered; functional areas, feature areas and entertainment areas. If consideration is taken for these, landscapes will have added depth and can really be brought to life.

Low-level decorative lighting

The correct lighting should be considered when illumination is required for a certain task, such as visibility or circulation.

Pathways and storage areas usually require functional lighting but can be used as a layer of light that contributes to the overall landscape.

Feature areas

Sculptures, ponds and interesting plant life can form distinct features in a landscape design, but may be lost at night. Consider the most appropriate way to light them to ensure they become the focal point in a landscape.

Entertainment areas

Lighting in this area should be used to create ambience as it often becomes the most used area in a landscape. As such, it is a good idea to consider lighting at the start of the design. This can be further enhanced through the use of controls.





Maximising materials

Importance of colour temperature

Accentuating the materials in a landscape can be achieved by selecting a colour temperature that enhances the colour of the material being highlighted.

Wood / sand

Warmer tones found in materials such as these would be complimented by a colour temperature of 2700K - 3000K.



Stone

For featuring the natural components of stone, a colour temperature of 2700K - 4000K will be most suitable.



Whites

For white materials, such as painted brick or furniture, choose 4000K to emphasise the tones.



Black and antique brass finishes

The use of black or antique brass is an increasingly popular trend with landscape lighting designers, and to accommodate this development we have just extended our offering to to include even more varieties.

Black ground lights tap into the latest monochrome interior design trends. These ground lights are for decorative lit effects and ideal for placement on perimeters because they're not suitable for being walked or driven over.

Another design trend is for the use of warmer materials and body colours, such as antique brass. This finish is particularly used in exterior spaces, alongside red, orange and brown hues, which are commonly found in wood, brick and stone.



Atmosphere

The correct colour temperature is paramount for the choice of material you wish to highlight and the atmosphere you wish to create. Landscape designs are easily transformed by the correct colour temperature.

Warmest	Warm	Natural white
2700K	3000K	4000K

Flood Vs Spot

Choose the ideal beam angle to achieve the effect that you need.

Flood Wash light over an area with a wider beam angle. Spot Concentrated beam of light with a narrower beam angle.

Textured surfaces vs. flat surfaces

When choosing a light fitting, it is imperative to consider the surface that the light will be used on. At this stage, it is a great opportunity to bring the materials to life and compliment the landscape design.

Textured surface

Use a spot, close to the surface, to graze light over the surface, highlighting the texture and adding depth to the surface.



Flat surfaces

Use a flood to wash light over the surface, highlighting the clean nature of the surface/design.



Landscape lighting

Environment Considerations

There are many considerations when designing an exterior lighting scheme, and they should always include the natural environment. Careful planning will ensure a lighting scheme which is both durable and impactful, whilst also remaining sympathetic to the environment.

Incorporating lighting into landscape design

Considerate lighting schemes reduce impacts on nocturnal animals

It is important to minimise any effects lighting has on nocturnal animals and insects such as bats, owls and moths. It is very important that bats specifically are taken into account when considering the need to light an area if they are known or suspected to use the area.

The amount of upwards light, and in particular blue light content, can impact them for many reasons, like survival and growth rates. Bats in the UK feed on insects and this missed opportunity can have a serious impact on them if they are missing the peak time of insect abundance (just after dusk). Other effects it can have is bats/wildlife being abandoned or becoming entombed in the roost, so when the entrance is lit up to the roost, they will be less inclined to leave their roosts in these conditions.

A range of low glare products as such as bollards, ground lights, spike lights and lighting controls to help support with illuminating areas.

Products available in 2200K keep blue light content to a minimum. Bollards, such as the black coated range are available in various sizes and with the low glare it has minimum up spill of lighting, making it suitable for areas where nocturnal animals such as bats, and any other wildlife that are affected by lighting.

The mini domed ground lights, GL100 and GL200 give out concentrated light sideways, so you can still illuminate a path for easy navigation and safety, whilst still protecting the environment from light pollution.

Control systems can offer various functions such as putting the lights on a timer or a sensor, so it is only used when needed.



Underwater lighting

IP68 rated lights are completely air tight and can be used underwater. Patented technology, unique to Collingwood, prevents water ingress from the back of the light, where the cable enters the product.

When designing a pond area, ensure that you are using IP68 rated products. $\,$

Our IP68 rated ground lights can withstand 1 bar pressure, meaning it can be installed up to a depth of 10 metres.



Coastal and pool areas

Material choice

Our landscape products are trusted by lighting specifiers and installers alike. This is thanks to superior product engineering and the use of durable and high-quality materials, including marine-grade stainless steel 316 and anodised aluminium.

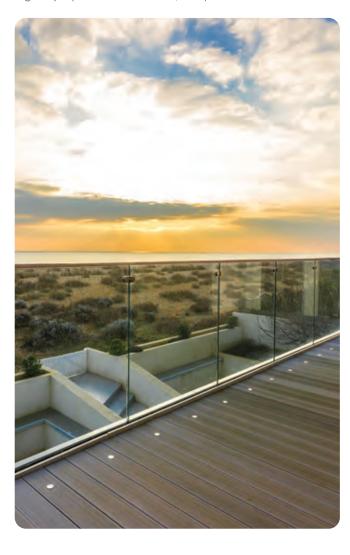
Stainless steel 316

Unlike stainless steel 304, the 316 version has a higher resistance to corrosion meaning it is an excellent choice for coastal areas where the water and air contain high concentration levels of salt, and for around swimming pools where there is exposure to chlorine. Not only this, but the material is very durable against wear and tear, particularly important for products recessed in walkways and driveways. Our products go through vigorous salt mist testing to ensure they are corrosion resistant.

Anodised Aluminium

This electrochemical process increases the thickness of the natural oxide layer on the surface of the aluminium, so the colour becomes part of the material itself. This has benefits over the more commonly seen powder coated alternative because it will not fade, peel or flake, and maintains some of its metallic appearance. Anodised aluminium is also resistant to corrosion and scratches, but it is a softer metal compared to stainless steel 316 so should be considered based on the light fitting's intended install location. Anodising is one of the most durable surface finishes available, as well as beautiful.

As with all light fittings, both the light and the product will maintain a high-quality appearance if they are installed correctly and are regularly wiped clean with a soft, damp cloth.





Wall lights

To create secure and adventurous spaces

Wall lights provide security as well as atmospheric and decorative lighting. Available in a range of styles and finishes, choose the perfect solution for your installation.

Choose your effect and how to create it

Highlight architecture or illuminate an entrance with Collingwood wall lights. The images below illustrate how your choice of lighting creates different effects.

Choose your effect:









Create it using:









WL070

This up / down light produces a narrow and concentrated beam of light up and downwards. This is used most effectively in situations where there is a great deal of height to fully appreciate the effect of the columns of light. As a result, these fittings are great for framing doors and windows.

WL075

The narrow and intense beam of light from this fitting will enhance the texture of the surface upon which it is mounted. This product works well on uneven stone and provides plenty of contrast between areas of light and shade.

WL060

This fitting provides a diffused decorative light from its top and a broad spread of down light which will light the threshold of a doorway. This fitting will also ensure both comfort and safety are accommodated in addition to highlighting any decorative planting positioned below.

WL012

This fitting provides a broad spread of light from the diffused window design. This makes it suitable for general illumination for entrance areas.

Premium finishes

Available in a range of stylish finishes such as anodised aluminium and copper, our powerful WL220 wall lights also sport an attractive single point source LED, maximising the look and feel of the luminaires without compromising on performance. Alongside our ultra-premium solid copper finish, we've updated our range to include stainless steel 316 and anodised bronze, giving you even more choice when designing your installation.



Framing Vs feature lighting

With several styles and finishes available, we have the solution that creates the perfect lighting effect for your installation. Types of light effects to consider are:



Wall grazing



Directional



Decorative

WL175A

WL220

WL014









WL013

The up/ down wall light allows the framing of doors, windows and general architectural features. When it is interacting with brick and stone work, shadow effects can be created.



WL014

This fitting produces a different beam angle from the top compared to the bottom, leading to a more decorative lit effect.

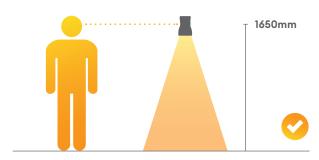


WL015

This fitting produces 1,000lm up and down, which means that the powerful output is great for illuminating tall structures.

Height of wall lights

A general rule of choosing the correct height and position for wall lights is 1650mm from floor or ground level (eye level to a person of 5ft 8in height.)



Light positioning

To avoid hot spots when using up/down lights to frame doors and windows, ensure that they are not positioned too closely to the ceiling or other horizontal surfaces.



Wall Lights



5.1W



Coastal protected



IP65 ideal for outdoor environments

Guarantee

7 years

Features & benefits

Single LED and lens combination for maximum efficiency and optimal light distribution.

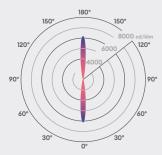
Ideal for framing entrances and illuminating columns with its bidirectional lights

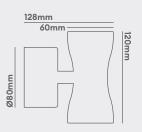
Anodised Aluminium is sleek and durable

Long lifetime of 70,000hrs

Mains voltage wall light

Beam angle: 12°







WL070

Black straight to mains, high output LED wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	2
Inrush current	60A 0.037ms
Construction material	Anodised aluminium, Copper
Suitable for coastal areas	Yes
Weight	0.9kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
WL070BNBM27	Black	5.1W	2700K	12°	510 / 255	100	A E
WL070BNBM30	Black	5.1W	3000K	12°	550 / 275	108	Å E
WL070BNBM40	Black	5.1W	4000K	12°	560/280	110	A E
WL070CNBM27	Copper	5.1W	2700K	12°	510 / 255	100	A E
WL070CNBM30	Copper	5.1W	3000K	12°	550 / 275	108	A E
WL070SNBM27	Silver	5.1W	2700K	12°	510 / 255	100	Å E
WL070SNBM30	Silver	5.1W	3000K	12°	550 / 275	108	Ê
WL070SNBM40	Silver	5.1W	4000K	12°	560/280	110	Ê
WL070ZNBM27	Bronze	5.1W	2700K	12°	510 / 255	100	Å E
WL070ZNBM30	Bronze	5.1W	3000K	12°	550 / 275	108	É

Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

N/A	No accessories required		
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WL220 MAINS

Straight to mains LED wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	2
Inrush current	60A 0.037ms
Construction material	Anodised aluminium, stainless steel 316, copper
Suitable for coastal areas	Yes
Weight	WL220B: 500g WL220C: 1200g WL220D: 1000g WL220Z: 500g
Maximum ambient temperature	50°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	w	сст	△ °	lm	lm/W	Energy
WL220BWBM27	Bronze	5.7W	2700K	40°	515	90	Ē
WL220BWBM30	Black	5.7W	3000K	40°	520	91	ÊE
WL220CWBM27	Copper	5.7W	2700K	40°	515	90	Ē
WL220DWBM27	Silver	5.7W	2700K	40°	515	90	Ē
WL220DWBM30	Silver	5.7W	3000K	40°	520	91	A E
WL220DWBM40	Silver	5.7W	4000K	40°	530	93	A E
WL220ZWBM27	Bronze	5.7W	2700K	40°	515	90	A E
WL220ZWBM30	Bronze	5.7W	3000K	40°	520	91	E

Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

Accessories

GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249

Wall Lights



5.7W



Coastal protected



Adjustable LED fitting

Guarantee

7 years

Features & benefits

Straight to mains

High efficacy of 93lm/W

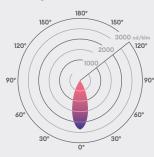
Improved look and feel with single LED

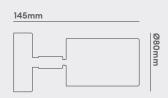
New stainless steel and anodised bronze finishes

Higher light output than predecessor

Tilts 90° and Rotates 330° $\,$

Beam angle: 40°





Wall Lights



5.7W



Coastal protected



IP65 ideal for outdoor environments

Guarantee

7 years

Features & benefits

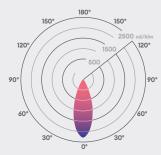
Single LED and lens combination for maximum efficiency and optimal light distribution.

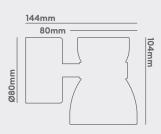
Straight to mains wall light, perfect for framing entrances and illuminating columns

Anodised Aluminium is sleek and durable

Long lifetime of 70,000hrs

Beam angle: 110°







WL075

Black straight to mains, high output LED wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	2
Inrush current	60A 0.037ms
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	1.2kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	w	сст	\chi	lm	lm/W	Energy
WL075BNBM27	Black	5.7W	2700K	110°	515	90	Å E
WL075BNBM30	Black	5.7W	3000K	110°	520	91	É
WL075BNBM40	Black	5.7W	4000K	110°	530	93	Å E
WL075SNBM27	Silver	5.7W	2700K	110°	515	90	Å E
WL075SNBM30	Silver	5.7W	3000K	110°	520	91	å E
WL075SNBM40	Silver	5.7W	4000K	110°	530	93	Ê
WL075ZNBM27	Bronze	5.7W	2700K	110°	515	90	Ē
WL075ZNBM30	Bronze	5.7W	3000K	110°	520	91	Ê

Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

N/A	No accessories required



WL060 | WL160

Straight to mains LED halo / flood wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	0.6kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
WL060 NW	Silver	2.6W	4000K	120°	82	32	A F
WL060 WW	Silver	2.6W	3000K	120°	58	22	A F
WL160 27	Black	2.6W	2700K	120°	56	22	Î F
WL160 NW	Black	2.6W	4000K	120°	82	32	å F
WL160 WW	Black	2.6W	3000K	120°	58	22	â F

Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

Accessories

N/A	No accessories required
14/74	140 decessories required

Wall Lights



2.6W



Coastal protected



IP65 ideal for outdoor environments

Guarantee

7 years

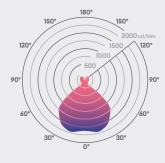
Features & benefits

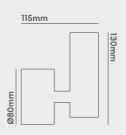
Bi-directional wall light offering decorative halo effect and functional downward flood light

Complete with wall fixings and waterproof crimp connectors

Mains voltage wall light

Beam angle: 120°





Wall Lights



11W



Integral bracket for easy installation



IP54 ideal for framing doorways and entrances

Guarantee

5 years

Features & benefits

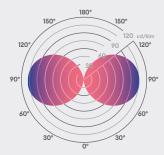
Straight to mains screw terminals

Durable powder coated aluminium in contemporary black or grey finish

Provides a good light level for safe navigation at night

Wide light distribution with 360° beam angle

Beam angle: 338°









WL012

IP54, 610lm straight to mains wall light

Features

IP rating	IP54
CSP switchable	Single CCT
Tiltable	No
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	5 SDCM

Installation information

Bathroom zone	N/A
Inrush current	20A 0.5ms
Construction material	Powder coated aluminium
Suitable for coastal areas	No
Weight	1kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	сст	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy
WL012G30	Grey RAL7022	11.0W	3000K	338°	610	55	Å F
WL012X30	Black RAL9011	11.0W	3000K	338°	610	55	A F

Wiring information

Cable / flying lead	N/A
Type of wiring required	Parallel

N/A	No accessories required
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WL013

IP65, 390lm up-down wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	6 SDCM

Installation information

Bathroom zone	N/A
Inrush current	20A 0.5ms
Construction material	Powder coated aluminium
Suitable for coastal areas	No
Weight	467g
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	сст	\^\c	lm	lm/W	Energy
WL013G30	Grey RAL7022	6.5W	3000K	107°/91°	390	60	Å (8
WL013X30	Black RAL9011	6.5W	3000K	107°/91°	390	60	Å G

Wiring information

Cable / flying lead	N/A
Type of wiring required	Parallel

Accessories

N/A No accessories required

Wall Lights



6.5W



Integral bracket for easy installation



IP65 ideal for outdoor environments

Guarantee

5 years

Features & benefits

Ideal for framing doorways and entrances

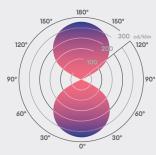
Straight to mains screw terminals

Durable powder coated aluminium in contemporary black or grey finish

Up & down light for creating a feature of perimeters and entrances

Sleek curved design

Beam angle: 107°/91°





Wall Lights



5.7W



Integral bracket for easy installation



IP54 ideal for framing doorways and entrances

Guarantee

5 years

Features & benefits

Straight to mains screw terminals

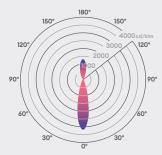
Durable powder coated aluminium in contemporary black or grey finish

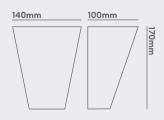
Narrow upper beam and wide lower beam provides both decorative and functional light

Provides a good amount of light for safe navigation at night

Integral bracket for easy installation

Beam angle: 22°/26°







WL014

IP54, 350lm cone up-down wall light

Features

IP rating	IP54
CSP switchable	Single CCT
Tiltable	No
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	6 SDCM

Installation information

Bathroom zone	N/A
Inrush current	20A 0.5ms
Construction material	Powder coated aluminium
Suitable for coastal areas	No
Weight	750g
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	сст	△ °	lm	lm/W	Energy
WL014G30	Grey RAL7022	5.7W	3000K	22°/26°	350	61	Å B
WL014X30	Black RAL9011	5.7W	3000K	22°/26°	350	61	Å B

Wiring information

Cable / flying lead	N/A
Type of wiring required	Parallel

N/A





WL015

IP65, 1,000lm up-down wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	4 SDCM

Installation information

Bathroom zone	N/A
Inrush current	20A 0.5ms
Construction material	Powder coated aluminium
Suitable for coastal areas	No
Weight	800g
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	сст	∧	lm	lm/W	Energy
WL015G30	Grey RAL7022	13.0W	3000K	88°	1000	77	A F
WL015X30	Black RAL9011	13.0W	3000K	88°	1000	77	A F

Wiring information

Cable / flying lead	N/A
Type of wiring required	Parallel

Accessories

N/A No accessories required

Wall Lights



13W



Integral bracket for easy installation



IP65 ideal for outdoor environments

Guarantee

5 years

Features & benefits

Ideal for columns and entrances

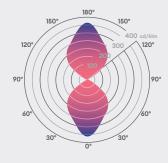
Straight to mains screw terminals

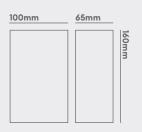
Durable powder coated aluminium in contemporary black or grey finish

Up & down light for creating a feature of perimeters and entrances

Up to 1000lm, makes this an ideal choice for columns and tall surfaces

Beam angle: 88°





Residential floodlights

Functional and security lighting

The Collingwood residential floodlights have been upgraded to be the most efficient in the market, have an extended warranty of up to 5 years, IP65 PIR sensor and approval for installation in coastal areas.

IP65 directional PIR sensor

PIR sensor: Passive infrared sensor

The IP65 rating provides optimum protection against the impacts of rainwater and general adverse weather conditions. The PIR sensor can rotate, meaning that the activation can occur in a different area to where the floodlight illuminates. For example, the sensor could be pointed to a door so that when a person exits the building a separate walkway is illuminated, increasing safety.

Advantages

- IP65 rated sensor ideal for adverse weather conditions.
- Sensor rotates allowing the activation to occur in a different area to the illumination.
- Easily adjust motion sensitivity, lux levels and time required on the sensor.
- Save your customer energy and money.



Coastal protection

Rust & salt mist protection

With corrosion resistant protection and coastal protective paint, our floodlights are perfect for use in coastal areas.

Advantages

- Feel confident you can install these floodlights anywhere.
- Can be installed into coastal areas without any worry of products failing.



Quick & easy installation bracket

Circular first fix bracket

The circular bracket is detachable and can be mounted to the surface before the rest of the product, allowing for a remarkably easy installation. The product is then simply bolted on to the bracket and the installation completed.

Advantages

- · Quick & easy installation.
- This bracket is for first fixing onto the wall, and because it's circular, there is no need for spirit level.
- 360° rotation, allowing the floodlight to be installed in a variety of applications.
- Pre-wired with 1m cable.



360° rotatable and 180° tiltable

Flexibility and reliability

Combining 360° rotation and 180° tilt, this light can be pointed in any direction, ensuring you can illuminate a space from any position.

360° rotation

The product has a circular bracket at the end which allows it to be rotated in any direction. Once installed onto a wall, the light can be pointed in any direction with ease.

180° tiltable

The bracket directly attached to the floodlight allows the product to tilt both upwards and downwards.

Advantages

- Illuminate space from any direction.
- Can adjust into correct area after it's installed.



CCT switchable

One light, three colour temperatures

Our range of colour switchable floodlights allows you to stock 3 colour temperatures in 1 product (3000K, 4000K & 6500K).

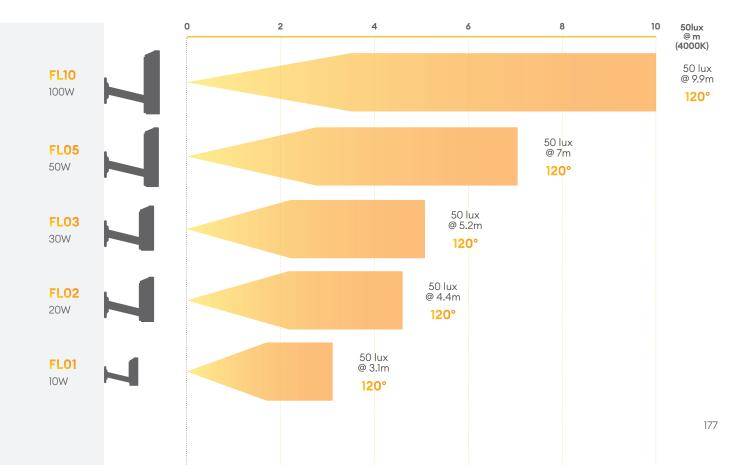
Advantages

- Simpler product range.
- · Products can be easily adjusted after they are installed thanks to a convenient IP65 switch on the back.
- Always have the correct product on hand.



Product comparison

Using the diagram below, determine which size product and output is suitable for your installation.



Residential Floodlights



High efficacy of up to 130lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

Guarantee

5 years

Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

A unique 360° rotation for total flexibility, and a 180° tilt

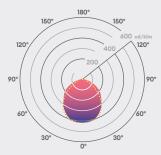
Supplied with 1m cable

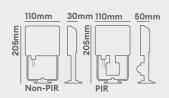
Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

PIR option provides override function to leave permanently on

Beam angle: C0/C180 C90/C270







FL01

10W colour switchable floodlight

Features

IK rating	IK07
IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	180°
Rotatable	360°
UGR	UGR 14
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM

Installation information

Inrush current	10A 262µs
Construction material	Anthracite painted cast aluminium
Suitable for coastal areas	Yes
Weight	480g
Maximum ambient temperature	-40°C to 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

FLOIAPCS PIR sensor Anthracite grey RAL7016 PIR sensor Anthracite grey RAL7016 Anthracite grey RAL7016 FLOIAXCS Standard Anthracite grey RAL7016 Anthracite grey RAL7016 FLOIAXCS Standard Anthracite grey RAL7016 Anthracite grey RAL7016 FLOIBPCS PIR sensor Black Blac	Product code	Feature	Finish	w	Colour	△ °	lm	lm/W	Energy
FLOIAXCS Standard Anthracite grey RAL7016 10W 4000K 120° 1100 110 FLOIBPCS PIR sensor Black 10W 4000K 120° 1100 110 FLOIBYCS Standard Black 10W 4000K 120° 1150 115 FLOIBYCS PIR sensor Black 10W 4000K 120° 1100 110 FLOIBYCS Standard Black 10W 4000K 120° 1100 110 FLOIBYCS Standard Black 10W 4000K 120° 1100 110 FLOIBYCS Standard White RAL9016 10W 4000K 120° 1150 115 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1100 110 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1300 130 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1100 110 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1100 110 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1150 115 [E					3000K	120°	1100	110	
FLOIAXCS Standard Anthracite grey RAL7016 10W 4000K 120° 1100 110 FLOIBPCS PIR sensor Black 10W 4000K 120° 1150 115 FLOIBPCS Standard Black 10W 4000K 120° 1100 110 FLOIBYCS PIR sensor Black 10W 4000K 120° 1100 110 FLOIBYCS Standard Black 10W 4000K 120° 1100 110 FLOIBYCS Standard Black 10W 4000K 120° 1100 110 FLOIWPCS PIR sensor White RAL9016 10W 4000K 120° 1150 115 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1300 130 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1300 130 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1300 130 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1150 115 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1150 115 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1150 115 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1150 115 FLOIWYCS Standard White RAL9016 10W 4000K 120° 1150 115 FLOIWYCS STANDARD REPRESENTATION REPRESENTATI	FL01APCS	PIR sensor	Anthracite grey RAL7016	10W	4000K	120°	1150	115	E
FL01AXCS Standard Anthracite grey RAL7016 10W 4000K 120° 1150 115 E FL01BPCS PIR sensor Black 10W 4000K 120° 1100 110 FL01BXCS PIR sensor Black 10W 4000K 120° 1150 115 E FL01BXCS Standard Black 10W 4000K 120° 1100 110 FL01BXCS Standard White RAL9016 10W 4000K 120° 1150 115 E FL01WYCS PIR sensor White RAL9016 10W 4000K 120° 1150 115 E FL01WXCS Standard White RAL9016 10W 4000K 120° 1100 110					6500K	120°	1300	130	
FLOIBPCS PIR sensor Black 10W 4000K 120° 1100 110 FLOIBPCS PIR sensor Black 10W 4000K 120° 1150 115					3000K	120°	1100	110	
FLOIBPCS PIR sensor Black 10W 4000K 120° 1150 115 E FLOIBXCS Standard Black 10W 4000K 120° 1150 115 E 45500K 120° 1100 110 110 4000K 120° 1150 115 E 4500K 120° 1100 110 110 110 110 110 1	FL01AXCS	Standard	Anthracite grey RAL7016	10W	4000K	120°	1150	115	Å E
FL01BPCS PIR sensor Black 10W 4000K 120° 1150 115 E FL01BXCS Standard Black 10W 4000K 120° 1100 110 FL01BXCS Standard Black 10W 4000K 120° 1150 115 E FL01WPCS PIR sensor White RAL9016 10W 4000K 120° 1100 110 115 E FL01WXCS Standard White RAL9016 10W 4000K 120° 1150 115 E					6500K	120°	1300	130	
FLOIBXCS Standard Black 10W 4000K 120° 1300 130 FLOIBXCS PIR sensor White RAL9016 10W 4000K 120° 1100 110 FLOIWXCS Standard White RAL9016 10W 4000K 120° 1100 110 FLOIWXCS Standard White RAL9016 10W 4000K 120° 1300 130 Standard White RAL9016 10W 4000K 120° 1100 110 FLOIWXCS Standard White RAL9016 10W 4000K 120° 1150 115		PIR sensor	Black	10W	3000K	120°	1100	110	4. E
FLOIBXCS Standard Black 10W 4000K 120° 1100 110 FLOIWPCS PIR sensor White RAL9016 10W 4000K 120° 1150 115 FLOIWXCS Standard White RAL9016 10W 4000K 120° 1100 110 FLOIWXCS Standard White RAL9016 10W 4000K 120° 1100 115 FLOIWXCS Standard White RAL9016 10W 4000K 120° 1150 115 FLOIWXCS Standard White RAL9016 10W 4000K 120° 1150 115	FL01BPCS				4000K	120°	1150	115	
FL01BXCS Standard Black 10W 4000K 120° 1150 115 E 6500K 120° 1300 130 130 130 130 130 130 130 130 110 110 110 110 110 110 110 110 110 115					6500K	120°	1300	130	
FLOIWPCS PIR sensor White RAL9016 10W 4000K 120° 1300 130 FLOIWPCS PIR sensor White RAL9016 10W 4000K 120° 1100 115 FLOIWXCS Standard White RAL9016 10W 4000K 120° 1100 110 FLOIWXCS FLOIWXCS FLOIW 10W 110 115 FLOIWXCS		Standard	Black	10W	3000K	120°	1100	110	A E
FLOIWPCS PIR sensor White RAL9016	FL01BXCS				4000K	120°	1150	115	
FL01WPCS PIR sensor White RAL9016 10W 4000K 120° 1150 115 E 6500K 120° 1300 130 130 FL01WXCS Standard White RAL9016 10W 4000K 120° 1150 115 E					6500K	120°	1300	130	
Standard White RAL9016 6500K 120° 1300 130		PIR sensor	White RAL9016	10W	3000K	120°	1100	110	
FL01WXCS Standard White RAL9016 10W 4000K 120° 1100 110	FL01WPCS				4000K	120°	1150	115	A L
FL01WXCS Standard White RAL9016 10W 4000K 120° 1150 115					6500K	120°	1300	130	
_	FL01WXCS	Standard	White RAL9016	10W	3000K	120°	1100	110	A E
6500K 120° 1300 130					4000K	120°	1150	115	
					6500K	120°	1300	130	

Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

N/A No accessories required





FL02

20W colour switchable floodlight

Features

IK rating	IK07
IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	180°
Rotatable	360°
UGR	UGR 14
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM

Installation information

Inrush current	11A 474µs
Construction material	Anthracite painted cast alumium
Suitable for coastal areas	Yes
Weight	620g
Maximum ambient temperature	-40°C to 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

FLO2APCS PIR sensor Anthracite grey RAL7016 20W 4000K 120° 2200 110 FLO2AXCS Standard Anthracite grey RAL7016 20W 4000K 120° 2400 120 FLO2AXCS PIR sensor Black 20W 4000K 120° 2400 120 FLO2BPCS PIR sensor Black 20W 4000K 120° 2400 120 FLO2BXCS Standard Black 20W 4000K 120° 2400 120 FLO2BXCS PIR sensor Black 20W 4000K 120° 2400 120 FLO2BXCS Standard Black 20W 4000K 120° 2400 120 FLO2BXCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2BYCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120 FLO2WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120° 24	Product code	Feature	Finish	W	Colour	△ °	lm	lm/W	Energy
FLO2AXCS Standard Anthracite grey RAL7016 20W 3000K 120° 2200 110					3000K	120°	2200	110	
FLO2AXCS Standard Anthracite grey RAL7016 20W 4000K 120° 2200 110	FL02APCS	PIR sensor	Anthracite grey RAL7016	20W	4000K	120°	2400	120	E
FL02AXCS Standard Anthracite grey RAL7016 20W 4000K 120° 2400 120 FL02BPCS PIR sensor Black 20W 4000K 120° 2200 110 FL02BXCS PIR sensor Black 20W 4000K 120° 2400 120 FL02BXCS Standard Black 20W 4000K 120° 2400 120 FL02BXCS Standard Black 20W 4000K 120° 2400 120 FL02BXCS PIR sensor White RAL9016 20W 4000K 120° 2400 120					6500K	120°	2400	120	
FLO2BPCS PIR sensor Black 20W 4000K 120° 2400 120					3000K	120°	2200	110	
FLO2BPCS PIR sensor Black 20W 4000K 120° 2400 120 6500K 120° 2400 120 FLO2BXCS Standard Black 20W 4000K 120° 2400 120 3000K 120° 2400 120 120 120 120 120 120 120	FL02AXCS	Standard	Anthracite grey RAL7016	20W	4000K	120°	2400	120	E
FL02BPCS PIR sensor Black 20W 4000K 120° 2400 120 6500K 120° 2400 120 3000K 120° 2200 110 4000K 120° 2400 120 4000K 120° 2400 120 4500K 120° 2400 120 3000K 120° 2200 110 FL02WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120					6500K	120°	2400	120	
FLO2BXCS Standard Black 20W 4000K 120° 2400 120 110 120 110 120 110 120 110 120 110 120 110 120 12					3000K	120°	2200	110	
FLO2BXCS Standard Black 20W 4000K 120° 2200 110 6500K 120° 2400 120 6500K 120° 2400 120 3000K 120° 2200 110 8 200 120 120 10 120 120 120 10 120 120 120 120	FL02BPCS	PIR sensor	Black	20W	4000K	120°	2400	120	A E
FL02BXCS Standard Black 20W 4000K 120° 2400 120 6500K 120° 2400 120 3000K 120° 2200 110 FL02WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120					6500K	120°	2400	120	
6500K 120° 2400 120					3000K	120°	2200	110	
FL02WPCS PIR sensor White RAL9016 20W 4000K 120° 2200 110	FL02BXCS	Standard	Black	20W	4000K	120°	2400	120	å E
FL02WPCS PIR sensor White RAL9016 20W 4000K 120° 2400 120					6500K	120°	2400	120	
					3000K	120°	2200	110	
	FL02WPCS	PIR sensor	White RAL9016	20W	4000K	120°	2400	120	A E
6500K 120° 2400 120					6500K	120°	2400	120	
3000K 120° 2200 110					3000K	120°	2200	110	
FL02WXCS Standard White RAL9016 20W 4000K 120° 2400 120	FL02WXCS	Standard	White RAL9016	20W	4000K	120°	2400	120	A E
6500K 120° 2400 120					6500K	120°	2400	120	

Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

N/A No accessories required

Residential Floodlights



High efficacy of up to 120lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

Guarantee

5 years

Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

A unique 360° rotation for total flexibility, and a 180° tilt

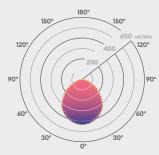
Supplied with 1m cable

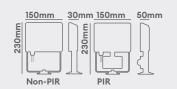
Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

PIR option provides override function to leave permanently on or off

Beam angle: C0/C180 C90/C270





Residential Floodlights



High efficacy of up to 130lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

Guarantee

5 years

Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

A unique 360° rotation for total flexibility, and a 180° tilt

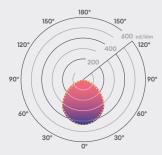
Supplied with 1m cable

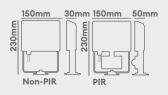
Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

PIR option provides override function to leave permanently on

Beam angle: C0/C180 C90/C270







FL03

30W colour switchable floodlight

Features

IK rating	IK07
IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	180°
Rotatable	360°
UGR	UGR 14
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM

Installation information

Inrush current	30A 4µs
Construction material	Anthracite painted aluminium
Suitable for coastal areas	Yes
Weight	630g
Maximum ambient temperature	-40°C to 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	\cappa_{\cappa}	lm	lm/W	Energy
				3000K	120°	3000	100	
FL03APCS	PIR sensor	Anthracite grey RAL7016	30W	4000K	120°	3300	110	Å E
				6500K	120°	3900	130	
				3000K	120°	3000	100	
FL03AXCS	Standard	Anthracite grey RAL7016	30W	4000K	120°	3300	110	Å E
				6500K	120°	3900	130	
				3000K	120°	3000	100	
FL03BPCS	PIR sensor	Black	30W	4000K	120°	3300	110	A E
				6500K	120°	3900	130	
				3000K	120°	3000	100	
FL03BXCS	Standard	Black	30W	4000K	120°	3300	110	Å E
				6500K	120°	3900	130	
				3000K	120°	3000	100	
FL03WPCS	PIR sensor	White RAL9016	30W	4000K	120°	3300	110	A E
				6500K	120°	3900	130	
				3000K	120°	3000	100	
FL03WXCS	Standard	White RAL9016	30W	4000K	120°	3300	110	A E
			6500K	120°	3900	130		

Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

N/A No accessories required





FL05

50W colour switchable floodlight

Features

IK07
IP65
Switchable CCT
180°
360°
UGR 14
No
220-240V 50/60Hz
50,000h L70
80 Ra
4 SDCM

Installation information

Inrush current	28A 13µs
Construction material	Anthracite painted cast aluminium
Suitable for coastal areas	Yes
Weight	1250g
Maximum ambient temperature	-40°C to 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△ °	lm	lm/W	Energy
				3000K	120°	5000	100	
FL05APCS	PIR sensor	Anthracite grey RAL7016	50W	4000K	120°	5600	112	å E
				6500K	120°	5100	102	
				3000K	120°	5000	100	
FL05AXCS	Standard	Anthracite grey RAL7016	50W	4000K	120°	5600	112	A E
				6500K	120°	5100	102	
				3000K	120°	5000	100	
FL05BPCS	PIR sensor	Black	50W	4000K	120°	5600	112	A E
				6500K	120°	5100	102	
				3000K	120°	5000	100	
FL05BXCS	Standard	Black	50W	4000K	120°	5600	112	Ē
				6500K	120°	5100	102	
				3000K	120°	5000	100	
FL05WPCS	PIR sensor	White RAL9016	50W	4000K	120°	5600	112	A E
				6500K	120°	5100	102	
				3000K	120°	5000	100	
FL05WXCS	Standard	White RAL9016	50W	4000K	120°	5600	112	E
				6500K	120°	5100	102	

Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

N/A No accessories required

Residential Floodlights



High efficacy of up to 112lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

Guarantee

5 years

Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

A unique 360° rotation for total flexibility, and a 180° tilt

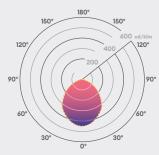
Supplied with 1m cable

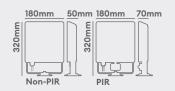
Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

PIR option provides override function to leave permanently on or off

Beam angle: C0/C180 C90/C270





Residential Floodlights



High efficacy of up to 118lm/W



First fix bracket for quick & easy installation



Ideal for coastal areas

Guarantee

5 years

Features & benefits

Colour switchable between 3 colour temperatures

IP65 rated, meaning it provides optimum protection against the impacts of rainwater and general adverse weather conditions

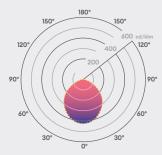
A unique 360° rotation for total flexibility, and a 180° tilt

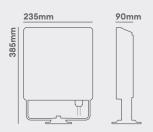
Supplied with 1m cable

Wide 120° beam angle, reducing the number of fittings per area required

Performs in even more extreme conditions from -40°C to +40°C

Beam angle: C0/C180 C90/C270







FL₁₀

100W colour switchable floodlight

Features

IK rating	IK07
IP rating	IP65
CSP switchable	Switchable CCT
Tiltable	180°
Rotatable	360°
UGR	UGR 14
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	4 SDCM

Installation information

Inrush current	75A 5µs
Construction material	Black painted cast aluminium
Suitable for coastal areas	Yes
Weight	2100g
Maximum ambient temperature	-40°C to 40°C
Electric class (1, 2, 3)	1
Earth leakage	0.3mA

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	\?*	lm	lm/W	Energy
				3000K	120°	10250	103	
FL10BXCS	Standard	Black	Black 100W	4000K	120°	11810	118	ă E
			6500K	120°	10970	110		

Wiring information

Cable / flying lead	1m H05RN-F rubberised cable 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

N/A No accessories required



Step lighting

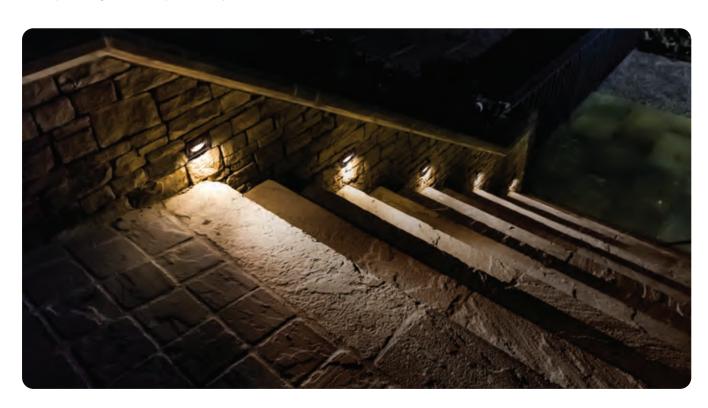
Functional and decorative

Step lights are the perfect solution for highlighting stairs and pathways.

They are both functional and decorative whilst highlighting a potentially hazardous area in the dark.

Functional step lighting

Using lighting to highlight steps improves visual aesthetics and enhances safety, whilst adding an inviting glow to your space. Considerations should be made for maintenance and glare when positioning lighting, ensuring ultimate visual appeal and added security knowing the walkway is correctly lit.



Low glare step lighting

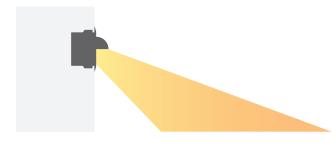
The purpose of step lighting is to mark or highlight a particular area. As this type of lighting serves a functional purpose, it is important that the fittings do not cause any visual discomfort from glare.

Hooded

Using a hood over the light will restrict upwards light spill. This results in low visibility of the light source from above and will prevent glare to passers-by.

Asymmetric

An asymmetric light source will direct the light downwards, ensuring the stairway is illuminated without upwards glare, without the need of a hood. Eliminating the need for a hood allows these lights to also be used as ground lights.





Decorative step lighting

Step lights can be used to enhance your landscape, to amplify your overall lighting when entertaining and for commercial exterior lighting. Linking people and spaces together, highlighting steps can make a real difference. Choose Collingwood's range of decorative step lighting which emit light from a decorative face-plate to transform your overall lighting design.



Round and square fittings

Choose between round and square fittings to achieve the ideal style for your installation.





Highlight features as ground lights

The asymmetric beam of step lights makes them great for using as a ground light that directs its light onto a feature.



Step Lights



2.6W



Coastal protected



Main voltage step light

Guarantee

7 years

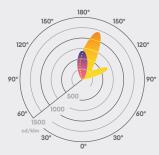
Features & benefits

Recessed, asymmetric wall or ground light perfect for illuminating walls, steps and pathways

Available in rustic cast stainless steel and sleek brushed stainless steel finishes

Installation tube included

Plane: 50° C0/C180 50° C90/C270



<u>Ø98mm</u>



WL339

Asymmetric, straight to mains, cast finish step light

Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 80mm
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	1000g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	сст	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy
WL339WW	Stainless steel	2.6W	3000K	50°	50	19	? F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Installation Tube	For easy ground installation	Included	233
JB5	Gel filled waterproof connector	Sold Separately	464
WC 5-9	Quick release waterproof joint	Sold Separately	464



WL340

Asymmetric, straight to mains, step light

Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra

Installation information

Cut out size	Ø 80mm
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Antique Brass
Suitable for coastal areas	Yes
Weight	1100g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
WL340AB27	Antique brass	2.6W	2700K	50°	49	19	A G
WL340ABWW	Antique brass	2.6W	3000K	50°	50	19	å F
WL340WW	Stainless steel	2.6W	3000K	50°	50	19	å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

Installation Tube	For easy ground installation	Included	233
JB5	Gel filled waterproof connector	Sold Separately	464
WC 5-9	Quick waterproof connector	Sold Separately	464

Step Lights



2.6W



Coastal protected



Main voltage step light

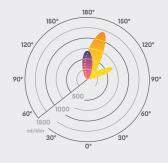
Guarantee

7 years

Features & benefits

Installation tube included Ideal for illuminating walls, steps and pathways

Plane: 50° C0/C180 50° C90/C270







Step Lights



2.6W



Coastal protected



Main voltage step light

Guarantee

7 years

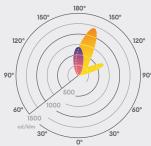
Features & benefits

Can be used as a wall light or ground light

Installation tube included

1m H05RN-F rubber cable attached for permanent use outdoors

Plane: 50° C0/C180 50° C90/C270



98x98mm





WL341

Asymmetric, straight to mains, cast finish step light

Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 80mm
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	1000g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	w	ССТ	\hat{\circ}	lm	lm/W	Energy
WL341WW	Stainless steel	2.6W	3000K	50°	50	19	î F
WL341NW	Stainless steel	2.6W	4000K	50°	59	22	î F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Installation Tube	For easy ground installation	Included	233
JB5	Gel filled waterproof connector	Sold Separately	464
WC 5-9	Quick release waterproof joint	Sold Separately	464



WL342

Asymmetric, straight to mains, brush finish step light

Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra

Installation information

Cut out size	Ø 80mm
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Stainless steel (316) antique brass
Suitable for coastal areas	Yes
Weight	1.2Kg
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
WL342AB27	Antique brass	2.6W	2700K	50°	49	19	A G
WL342AB30	Antique brass	2.6W	3000K	50°	50	19	A F
WL34227	Stainless steel	2.6W	2700K	50°	49	19	A G
WL342WW	Stainless steel	2.6W	3000K	50°	50	19	Å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

Installation Tube	For easy ground installation	Included	233
JB5	Gel filled waterproof connector	Sold Separately	464
WC 5-9	Quick release waterproof joint	Sold Separately	464

Step Lights



2.6W



Coastal protected



Main voltage step light

Guarantee

7 years

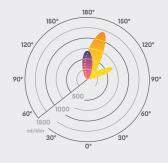
Features & benefits

Can be used as a wall light or ground light

Installation tube included

1m H05RN-F rubber cable attached for permanent use outdoors

Plane: 50° C0/C180 50° C90/C270



98x98mm



Step Lights



1W at 350mA



Coastal protected



Low voltage groundlight

Guarantee

7 years

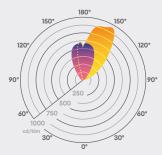
Features & benefits

Angled light, ideal for use as a step light

Robust cable for outdoor use

Brushed stainless steel for sleek effect

Beam angle: C0/C180 C90/C270









GL021

30° slotted LED ground / step light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	400g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
GL02127	Stainless steel	1W	2700K	30°	8	8	A F
GL021 WW	Stainless steel	1W	3000K	30°	8	8	î F
GL021 NW	Stainless steel	1W	4000K	30°	10	10	A F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/50	Installation tube	Sold Separately	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465





GL022

Square 30° slotted LED ground / step light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	400g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	сст	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy
GL022 27	Stainless steel	1W	2700K	30°	8	8	A F
GL022 WW	Stainless steel	1W	3000K	30°	8	8	A F
GL022 NW	Stainless steel	1W	4000K	30°	10	10	å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

Accessories

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/50	Installation tube	Sold Separately	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Step Lights



1W at 350mA



Coastal protected



Low voltage groundlight

Guarantee

7 years

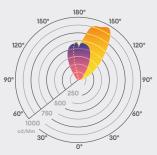
Features & benefits

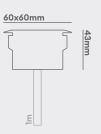
Angled light, ideal for use as a step light

Robust cable for outdoor use

Brushed stainless steel for sleek effect

Beam angle: C0/C180 C90/C270





Step Lights



2.9W



Coastal protected



Main voltage ground light

Guarantee

7 years

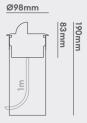
Features & benefits

Single LED and lens combination for maximum efficiency and optimal light distribution.

Marine grade stainless steel 317

Long lifetime of 70,000hrs

Beam angle: 40° 180° 150° 150° 150° 1000 120° 1500° 60° 2500 ed/kim 30° 0° 30°





GL034

Hooded LED ground light

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 80-85mm
Bathroom zone	2
Inrush current	60A 0.037ms
Construction material	Stainless steel 316 (top) / aluminium (body)
Suitable for coastal areas	Yes
Weight	724g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	w	ССТ	△ :	lm	lm/W	Energy
GL034DWBM27	Stainless steel	2.9W	2700K	40°	170	59	Ê
GL034DWBM30	Stainless steel	2.9W	3000K	40°	180	62	Ê
GL034DWBM40	Stainless steel	2.9W	4000K	40°	190	66	î D

Wiring information

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Installation tube	For easy ground installation	Included	233
JB5	Gel filled waterproof connector	Sold Separately	464
WC 5-9	Quick release waterproof joint	Sold Separately	464



GL019 Eyelid Asymmetric beam angle with zero upward light spill

Features

IK rating	N/A
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	No
Input	350mA/700mA
Input LED lifetime	350mA / 700mA 70,000h L70
	,

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	120g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	ССТ	\text{\tin}\text{\tetx}\\ \text{\ti}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}\\ \text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	w	lm	lm/W	w	lm	lm/W	Energy
GL019E27BL	Black	2700K	50°	1W	31	31	2W	3.3	28	A F
GL019E30BL	Black	3000K	50°	1W	36	36	2W	3.8	32	A F
GL019E27SS	Stainless steel	2700K	50°	1W	36	36	2W	5	31	A F
GL019E30SS	Stainless steel	3000K	50°	1W	41	41	2W	6	36	A F

350mA

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Step Lights



1W at 350mA or 2W at 700mA



Coastal protected



Low voltage step light

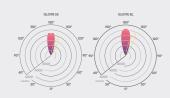
Guarantee

7 years

Features & benefits

Asymmetric beam angle 0% upward light spill Recess into a wall, floor or ceiling Suitable for indoor and outdoor use 33mm cut-out size

Beam angle: 50°





Highlighting features inside and out

Using ground lights in any light design can transform your space from dark and uninspiring to a perfectly illuminated space to suit any requirement.

What type of ground light?

We offer the ideal ground light for every installation

1 High power ground light

Powerful in output and large in scale, these fittings are ideal for illuminating tall trees and the façades of taller buildings.

2 Mid power ground light

Choose these to light smaller façades, trees, shrubs and garden walls. These fittings can also be used inside large scale buildings to highlight architectural features.

3 Low power ground light

Ideal for uplighting domestic façades and for use on wide steps and terraces with low level planting, these fittings can also be used inside to highlight architectural features. They can also be recessed into ceilings to provide small downlight options in display cases, alcoves or in showers.

4 Low glare ground light

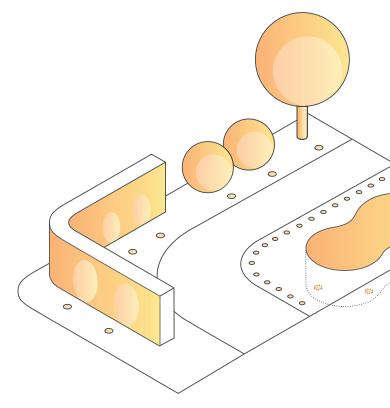
These fittings are ideal for use indoors or near terraces, seating areas and along pathways where people pass nearby.

Marker light

Providing a subtle, diffused glow of light, these fittings are ideal for steps, pathways, driveways and car parks.

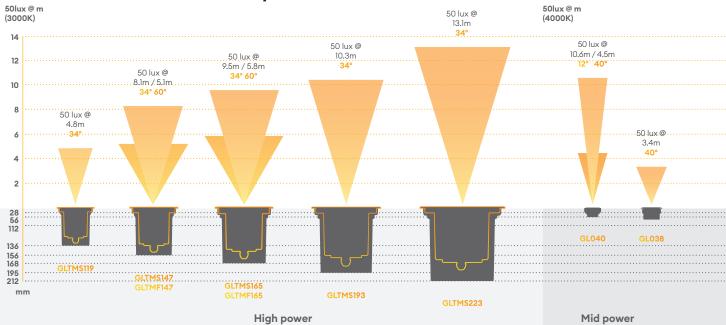
6 Underwater lighting

IP68 and tested to 9m submersion.



ground light

Choose the ideal size and output

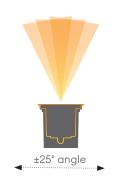


ground light

Tilt ground light adjustble light module

Our Tilt ground light has the flexibility to turn the dial to adjust beam angle direction by ±25°





Patented underwater technology

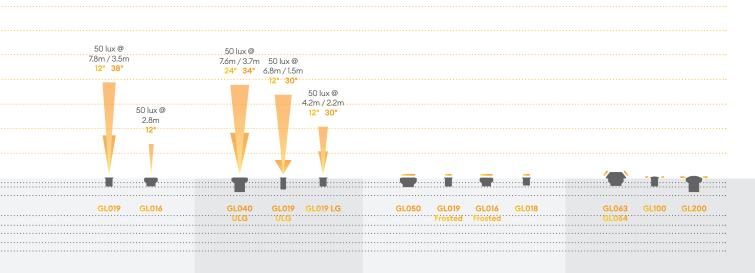
IP68 rated ground lights are completely air tight and can be used under water.

Our low voltage ground lights utilise patented technology, unique to Collingwood, the anti syphon bung prevents water ingress when submerged, from where the cable enters the product.



Fitting guide

Durahasak Carda	Cost and	Donath	Danish wish solo
Product Code	Cut-out	Depth	Depth with tube
GLTMS119	119mm	129mm	136mm
GLTMF147 GLTMS147	147mm	156mm	168mm
GLTMF165 GLTMS165	165mm	250mm	278mm
GLTMS193	193mm	175mm	195mm
GLTMS223	223mm	183mm	212mm
GL016 Range	50mm	60mm	150mm
GL018 Range	28mm	50mm	N/A
GL019 Range	33mm	60mm	150mm
GL019 ULG	33mm	90mm	150mm
GL038	80-85mm	60mm	190mm
GL040	65mm	60mm	150mm
GL040 ULG	65mm	110mm	150mm
GL050	65mm	60mm	150mm
GL063 / GL064	55mm	60mm	150mm
GL100	33mm	60mm	150mm
GL200	65mm	80mm	150mm



Low power ground light

Low glare Marker lights Multi window marker lights



IP67 for complete protection against ingress of dust and water



IK08 for protection against high impact



Suitable for coastal applications

Guarantee

5 years

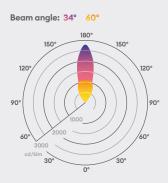
Features & benefits

Tilt angle of luminaire is adjustable, just turn knob to tilt the light distribution up to 25 degrees

Static loading capacity is 2000kg

Pre-wired with 1 meter of cable to aid the installer

DALI-2 dimmable and RGBW options also available









Tilt Adjustable Ground Light Straight to Mains, TRIAC mains dimmable

Features

IK rating	GLTM_11: IK08; GLTM_14: IK08; GLTM_16: IK10; GLTM_19: IK10; GLTM_22: IK10
IP rating	IP67
CSP switchable	Single CCT
Walk over / Drive over	Drive over (15mph maximum)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	119/147/165/193/223mm
Bathroom zone	2
Inrush current	GLTM_11: 0.5A 0.4ms, GLTM_14: 0.6A 0.4ms, GLTM_16: 0.45A 0.5ms, GLTM_19: 0.55A 0.5ms, GLTM_22: 0.55A 0.5ms
Construction material	Anodised aluminium body, 316 SS bezel
Suitable for coastal areas	Yes
Weight	GLTM_11: 0.99kg, GLTM_14: 1.56kg, GLTM_16: 2.03kg, GLTM_19: 3.26kg, GLTM_22: 3.98kg
Maximum ambient temperature	-25°C to 40°C
SELV	N/A
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

01 = 10440=00							lm/W	Energy
GLTMS119T30 Ø11	19mm cut-out	Stainless steel 316	6W	3000K	34°	450	75	Å E
GLTMS147T30 Ø14	47mm cut-out	Stainless steel 316	12W	3000K	34°	1200	100	Å E
GLTMS165T30 Ø16	65mm cut-out	Stainless steel 316	18W	3000K	34°	1600	89	E
GLTMS193T30 Ø19	93mm cut-out	Stainless steel 316	23W	3000K	34°	2300	100	A E
GLTMS223T30 Ø22	23mm cut-out	Stainless steel 316	30W	3000K	34°	3300	100	A E
GLTMF147T30 Ø14	47mm cut-out	Stainless steel 316	12W	3000K	60°	1200	100	A E
GLTMF165T30 Ø16	65mm cut-out	Stainless steel 316	18W	3000K	60°	1600	89	A E

Wiring information

Cable / flying lead	Pre-wired 1.0M H05RN-F, 3x1.0mm2
Type of wiring required	Parallel

DM298FP	Faceplate rotary mains dimmer	Sold Separately	73
DM298GRID	Grid rotary mains dimmer	Sold Separately	73
JB5	Gel filled waterproof connector	Sold Separately	464





2.2W at 350mA or 4.6W at 700mA



Coastal protected



Low voltage ground light

Guarantee

7 years

Features & benefits

Single LED and lens combination for maximum efficiency and light distribution.

Marine grade stainless steel 316 Long lifetime of 70,000hrs

Beam angle: 12° 40° 180° 150° 120







GL040 Stainless Steel

Up to 4.6W, 530lm ground light

Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 70mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	720g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	ССТ	△ °	w	lm	lm/W	w	lm	lm/W	Energy
GL040DNBX27	Stainless steel 316	2700K	12°	2.2W	310	132	4.6W	5499	112	A E
GL040DNBX30	Stainless steel 316	3000K	12°	2.2W	290	136	4.6W	5552	113	A E
GL040DNBX40	Stainless steel 316	4000K	12°	2.2W	300	141	4.6W	5659	115	Å D
GL040DWBX27	Stainless steel 316	2700K	40°	2.2W	290	290	4.6W	998	515	A E
GL040DWBX30	Stainless steel 316	3000K	40°	2.2W	290	132	4.6W	1008	112	A E
GL040DWBX40	Stainless steel 316	4000K	40°	2.2W	300	141	4.6W	1027	115	â D

350mA

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	233
GLA01	Square transformer plate	Sold Separately	233



GL040 Antique Brass

2W, 215lm ground light

Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 70mm
Bathroom zone	0
Inrush current	N/A
Construction material	Brass
Suitable for coastal areas	Yes
Weight	0.6
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	ССТ	\text{\tin}\text{\tetx}\\ \text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}\\ \text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	w	lm	lm/W	w	lm	lm/W	Energy
GL040ANBX27	Antique brass	2700K	12°	2.2W	290	132	4.6W	5499	112	A E
GL040ANBX30	Antique brass	3000K	12°	2.2W	300	136	4.6W	5552	113	A E
GL040AWBX27	Antique brass	2700K	40°	2.2W	290	132	4.6W	998	112	A E
GL040AWBX30	Antique brass	3000K	40°	2.2W	300	136	4.6W	1008	113	â E

350mA

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB2/JB4/JB6	IP68 Boxes	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



2.2W at 350mA or 4.6W at 700mA



Baffled for low glare and visual comfort



Low voltage ground light

Guarantee

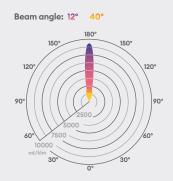
7 years

Features & benefits

Single LED and lens combination for maximum efficiency and optimal light distribution

Marine grade stainless steel 316 or antique brass

Long lifetime of 70,000hrs







2W at 350mA



Baffled for low glare and visual comfort



Low voltage ground light

Guarantee

7 years

Features & benefits

Perfect for both interior and exterior applications

Compliments environments with ultra low glare up-lighting effect

marine-grade stainless steel 316

Beam angle: 12° 34° 180° 150° 150° 150° 160° 120° 90° 60° 12000 60° 18000 60° 18000 0° 18000







GL040 Ultra low glare Stainless Steel

2W, 215lm ground light

Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø70mm
Bathroom zone	1
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	818g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	w	сст	△ °	lm	lm/W	Energy
GL040DNBL27	Stainless steel	2W	2700K	12°	200	100	A E
GL040DNBL30	Stainless steel	2W	3000K	12°	208	104	A E
GL040DNBL40	Stainless steel	2W	4000K	12°	215	108	â D
GL040DMBL27	Stainless steel	2W	2700K	34°	200	100	E
GL040DMBL30	Stainless steel	2W	3000K	34°	208	104	E
GL040DMBL40	Stainless steel	2W	4000K	34°	215	108	(D

Wiring information

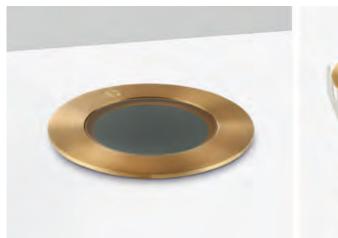
Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	233
GLA01	Square transformer plate	Sold Separately	233





GL040 Ultra low glare Antique Brass

2W, 215lm ground light

Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA
Input LED lifetime	350mA 70,000h L70

Installation information

Cut out size	Ø 70mm
Bathroom zone	1
Inrush current	N/A
Construction material	Brass
Suitable for coastal areas	Yes
Weight	0.7
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	сст	<i>△</i> °	lm	lm/W	Energy
GL040ANBL27	Antique brass	2W	2700K	12°	200	100	A E
GL040ANBL30	Antique brass	2W	3000K	12°	208	104	A E
GL040AMBL27	Antique brass	2W	2700K	34°	200	100	E
GL040AMBL30	Antique brass	2W	3000K	34°	208	104	Ê

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

Accessories

JB2/JB4/JB6	IP68 Boxes	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



2W at 350mA



Baffled for low glare and visual comfort



Low voltage ground light

Guarantee

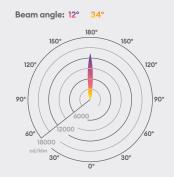
7 years

Features & benefits

Single LED and lens combination for maximum efficiency and optimal light distribution

Marine grade stainless steel 316 or antique brass

Long lifetime of 70,000hrs







2.9W at 350mA or 6W at 700mA



Coastal protected



Mains voltage groundlight

Guarantee

7 years

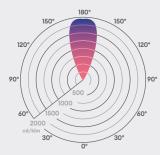
Features & benefits

Single LED and lens combination for maximum efficiency and optimal light distribution

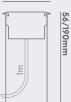
Marine grade stainless steel 316 or antique brass

Long lifetime of 70,000hrs

Beam angle: 40°



Ø98mm







GL038 Stainless Steel

2.9W, 300lm ground light

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 80-85mm
Bathroom zone	2
Inrush current	60A 0.037ms
Construction material	Stainless steel 316 (top) / aluminium (body)
Suitable for coastal areas	Yes
Weight	696g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	w	сст	<i>△</i> :	lm	lm/W	Energy
GL038DWBM27	Stainless steel 316	2.9W	2700K	40°	280	96	A E
GL038DWBM30	Stainless steel 316	2.9W	3000K	40°	290	100	Ê
GL038DWBM40	Stainless steel 316	2.9W	4000K	40°	300	103	â D

Wiring information

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Installation Tube	For easy ground installation	Included	233
JB5	Gel filled waterproof connector	Sold Separately	464
WC 5-9	Quick waterproof connector	Sold Separately	464





GL038 Antique Brass 2.9W, 300lm ground light

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
Olti	00 Ru

Installation information

Cut out size	Ø 80-85mm
Bathroom zone	2
Inrush current	9A 0.8ms
Construction material	Brass
Suitable for coastal areas	Yes
Weight	0.754
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	ССТ	\chi_{\chi_{\chi}}	lm	lm/W	Energy
GL038AWBM27	Antique brass	2.9W	2700K	40°	280	96	A E
GL038AWBM30	Antique brass	2.9W	3000K	40°	290	100	A E

Wiring information

Cable / flying lead	1m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

Installation Tube	For easy ground installation	Included	233
JB5	Gel filled waterproof connector	Sold Separately	464
WC 5-9	Quick waterproof connector	Sold Separately	464

Ground Lights



2.9W at 350mA or 6W at 700mA



Coastal protected



Mains voltage groundlight

Guarantee

7 years

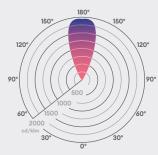
Features & benefits

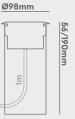
Single LED and lens combination for maximum efficiency and optimal light distribution

Marine grade stainless steel 316 or antique brass

Long lifetime of 70,000hrs

Beam angle: 40°











GL019 Stainless Steel

Up to 2W, 180lm mini ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
Input LED lifetime	350mA / 700mA 70,000h L70
	,

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	204g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	ССТ	△ °	w	- [
GL019 F 27	Stainless steel	2700K	38°	1W	8
GI 010 E W/W	Ctainlass stool	20001	200	1\A/	(

Product code	Finish	ССТ	△ °	w	lm	lm/W	w	lm	lm/W	Energy
GL019 F 27	Stainless steel	2700K	38°	1W	80	80	2W	463	65	A F
GL019 F WW	Stainless steel	3000K	38°	1W	90	90	2W	534	75	A F
GL019 F NW	Stainless steel	4000K	38°	1W	100	100	2W	641	90	å F
GL019 F AMBER	Stainless steel	Amber	38°	1W	20	20	2W	-	-	Exempt
GL019 F BLUE	Stainless steel	Blue	38°	1W	15	15	2W	110	13	Exempt
GL019 F RED	Stainless steel	Red	38°	1W	35	35	2W	-	-	Exempt
GL019 S 27	Stainless steel	2700K	12°	1W	80	80	2W	2229	65	A F
GL019 S NW	Stainless steel	4000K	12°	1W	100	100	2W	3087	90	A F
GL019 S WW	Stainless steel	3000K	12°	1W	90	90	2W	2572	75	å F

350mA

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB1/JB5/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



1W at 350mA or 2W at 700mA



Coastal protected



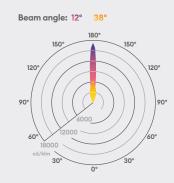
Low voltage ground light

Guarantee

7 years

Features & benefits

Compact yet powerful fitting Shallow depth for easy installation Robust cable for outdoor use







1W at 350mA or 700mA



Coastal protected



Low voltage ground light

Guarantee

7 years

Features & benefits

Compact yet powerful fitting
Shallow depth for easy installation
Robust cable for outdoor use
Black anodised aluminium

Beam angle: 12° 38° 180° 150° 150° 160° 120° 90° 60° 12000 60° 30° 30°





GL019 Black

Up to 2W, 180lm mini ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	120g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

350mA	700mA

Product code	Finish	ССТ	△ °	w	lm	lm/W	W	lm	lm/W	Energy
GL019BNBX27	Black	2700K	12°	1W	80	80	2W	2229	65	(F)
GL019BNBX30	Black	3000K	12°	1W	90	90	2W	2572	75	(F)
GL019BNBX40	Black	4000K	12°	1W	100	100	2W	641	90	(F
GL019BNBXBL	Black	Blue	12°	1W	15	15	2W	509	13	Exempt
GL019BWBX27	Black	2700K	38°	1W	80	80	2W	463	65	å F
GL019BWBX30	Black	3000K	38°	1W	90	90	2W	534	75	(F
GL019BWBX40	Black	4000K	38°	1W	100	100	2W	641	90	å F
GL019BWBXBL	Black	Blue	38°	1W	15	15	2W	110	13	Exempt

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465



GL019 Antique Brass Up to 2W, 1801m mini ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	No
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Brass
Suitable for coastal areas	Yes
Weight	0.221
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	ССТ	△ °	w	lm	lm/W	W	lm	lm/W	Energy
GL019ANBX27	Antique brass	2700K	12°	1W	80	80	2W	2229	65	A F
GL019ANBX30	Antique brass	3000K	12°	1W	90	90	2W	2572	75	A F
GL019AWBX27	Antique brass	2700K	38°	1W	80	80	2W	463	65	A F
GL019AWBX30	Antique brass	3000K	38°	1W	90	90	2W	534	75	A F

350mA

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB2/JB4/JB6	IP68 Boxes	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



1W at 350mA or 700mA



Coastal protected



Low voltage ground light

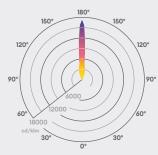
Guarantee

7 years

Features & benefits

Compact yet powerful fitting ${\it Shallow depth for easy installation}$ Robust cable for outdoor use

Beam angle: 12°







1W at 350mA



Baffled for low glare and visual comfort



Low voltage ground

Guarantee

7 years

Features & benefits

Perfect for both interior and exterior applications

Compliments environments with ultra low glare up-lighting effect

Marine-grade stainless steel 316

Beam angle: 12° 30°







GL019 Ultra low glare 1W, 78Im mini ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	<10
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	260g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	w	сст	△ °	lm	lm/W	Energy
GL019DMBL27	Stainless steel	1W	2700K	30°	60	60	A F
GL019DMBL30	Stainless steel	1W	3000K	30°	64	64	Å F
GL019DNBL27	Stainless steel	1W	2700K	12°	70	70	A F
GL019DNBL30	Stainless steel	1W	3000K	12°	74	74	A F
GL019DNBL40	Stainless steel	1W	4000K	12°	78	78	A F
GL019BNBL40	Black	1W	4000K	12°	78	78	Å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465





GL019 LG

1W, 65lm mini low glare ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
Input LED lifetime	350mA / 700mA 70,000h L70
	,

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	204g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	сст	△ °	lm	lm/W	Energy
GL019LGF27	Stainless steel 316	1W	2700K	30°	53	53	å F
GL019LGFWW	Stainless steel 316	1W	3000K	30°	55	55	å F
GL019LGFNW	Stainless steel 316	1W	4000K	30°	65	65	(F
GL019LGS27	Stainless steel 316	1W	2700K	12°	53	53	(F
GL019LGSWW	Stainless steel 316	1W	3000K	12°	55	55	(F
GL019LGSNW	Stainless steel 316	1W	4000K	12°	65	65	å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



1W at 350mA or 700mA



Honeycomb baffle for low glare and visual comfort



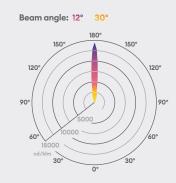
Low voltage ground light

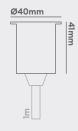
Guarantee

7 years

Features & benefits

Compact yet powerful fitting
Shallow depth for easy installation
Robust cable for outdoor use
Marine-grade stainless steel 316







1W at 350mA or 700mA



Frosted effect for low glare and soft lighting



Low voltage ground light

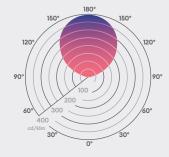
Guarantee

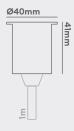
7 years

Features & benefits

Robust cable for outdoor use
Shallow depth for easy installation
Black anodised aluminium

Beam angle: 100°







GL019 Frosted

1W, 13lm frosted mini ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Anodised aluminium or Stainless steel (316)
Suitable for coastal areas	Yes
Weight	120g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	сст	<i>△</i> :	lm	lm/W	Energy
GL019BC0F27	Black	1W	2700K	100°	10	10	A F
GL019BC0F30	Black	1W	3000K	100°	11	11	A F
GL019BC0F40	Black	1W	4000K	100°	13	13	î F
GL019DC0F27	Stainless steel	1W	2700K	100°	10	10	î F
GL019DC0F30	Stainless steel	1W	3000K	100°	11	11	â F
GL019DC0F40	Stainless steel	1W	4000K	100°	13	13	A F
GL019DC0FBL	Stainless steel	1W	Blue	100°	2	2	Exempt

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
WCR 275 BLACK	2 core rubber cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465





GL019 SQ

Up to 2W, 130lm square mini ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	134g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	ССТ	△ :	w	lm	lm/W	w	lm	lm/W	Energy
GL019 SQ F WW	Stainless steel	3000K	20°	1W	80	90	2W	551	65	A F
GL019 SQ F NW	Stainless steel	4000K	20°	1W	90	35	2W	572	-	A F
GL019 SQ F BLUE	Stainless steel	Blue	20°	1W	10	90	2W	88	65	Exempt
GL019 SQ S NW	Stainless steel	4000K	12°	1W	90	90	2W	2648	65	A F
GL019 SQ S BLUE	Stainless steel	Blue	12°	1W	10	10	2W	407	10	Exempt

350mA

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



1W at 350mA or 2W at 700mA



Coastal protected



Low voltage ground light

Guarantee

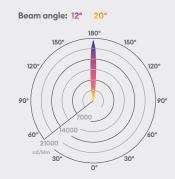
7 years

Features & benefits

Square baffle for a different decorative effect

Shallow depth for easy installation

Marine-grade stainless steel 316







1W at 350mA or 2W at 700mA



Coastal protected



Low voltage ground light

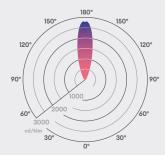
Guarantee

7 years

Features & benefits

Robust cable for outdoor use Shallow depth for easy installation Marine-grade stainless steel 316

Beam angle: 26°







GL016 F Stainless Steel

1W, 95lm ground light

Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	400g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

350mA		

GL016 F 27 Brushed steel 2700K 26° 1W 70 70 2W 337 60 IP GL016 F WW Brushed steel 3000K 26° 1W 75 75 2W 379 68 IP GL016 F NW Brushed steel 4000K 26° 1W 95 95 2W 393 70 IP GL016 F BLUE Brushed steel Blue 26° 1W 10 10 2W 56 10 Exempt	Product code	Finish	ССТ	△ °	W	lm	lm/W	W	lm	lm/W	Energy
GL016 F NW Brushed steel 4000K 26° 1W 95 95 2W 393 70	GL016 F 27	Brushed steel	2700K	26°	1W	70	70	2W	337	60	A F
	GL016 FWW	Brushed steel	3000K	26°	1W	75	75	2W	379	68	å F
GL016 FBLUE Brushed steel Blue 26° 1W 10 10 2W 56 10 Exempt	GL016 F NW	Brushed steel	4000K	26°	1W	95	95	2W	393	70	å F
	GL016 F BLUE	Brushed steel	Blue	26°	1W	10	10	2W	56	10	Exempt

Wiring information

 Cable / flying lead
 1m (H05RN-F) rubberised cable (outside diameter: 6mm)

 Type of wiring required
 Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/50	Installation tube	Sold Separately	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465



GL016 F Black

1W, 95lm ground light

Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
Input LED lifetime	350mA / 700mA 70,000h L70
	,

Installation information

Cut out size	Ø 50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	180g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	ССТ	\text{\tin}\text{\tetx}\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\ti}\tint{\ti}\tittt{\text{\text{\text{\texi}\text{\text{\tex	w	lm	lm/W	W	lm	lm/W	Energy
GL016BMBX27	Black	2700K	26°	1W	70	70	2W	337	60	A F
GL016BMBX30	Black	3000K	26°	1W	75	75	2W	379	68	å F
GL016BMBX40	Black	4000K	26°	1W	95	95	2W	393	70	å F
GL016BMBXBL	Black	Blue	26°	1W	20	20	2W	56	10	Exempt

350mA

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/50	Installation tube	Sold Separately	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



1W at 350mA or 2W at 700mA



Coastal protected



Low voltage ground light

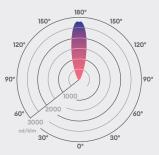
Guarantee

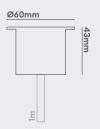
7 years

Features & benefits

Robust cable for outdoor use
Shallow depth for easy installation
Black anodised aluminium

Beam angle: 26°







1W at 350mA or 2W at 700mA



Solid brass with antique effect for low glare



Low voltage ground light

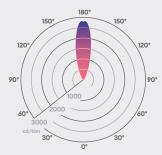
Guarantee

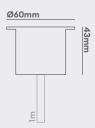
7 years

Features & benefits

Robust cable for outdoor use Shallow depth for easy installation Coastal protected

Beam angle: 26°









GL016 FAB Brass

1W, 95lm ground light

Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Brass
Suitable for coastal areas	Yes
Weight	400g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Photometrics @ 25°C			350mA			700mA				
Product code	Finish	ССТ	△ °	w	lm	lm/W	w	lm	lm/W	Energy
GL016 F AB 27	Brass	2700K	26°	1W	70	70	2W	337	60	î F
GL016 F AB NW	Brass	4000K	26°	1W	95	95	2W	393	70	î F
GL016 F AB WW	Brass	3000K	26°	1W	75	75	2W	379	68	å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/50	Installation tube	Sold Separately	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465





GL016 Frosted

1W, 15lm ground marker light

Features

IK rating	N/A
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 50mm				
Bathroom zone	0				
Inrush current	N/A				
Construction material	Anodised aluminium				
Suitable for coastal areas	Yes				
Weight	180g				
Maximum ambient temperature	50°C				
SELV	Yes				
Electric class (1, 2, 3)	3				
Earth leakage	N/A				

Photometrics @ 25°C

Product code	Finish	w	сст	<i>△</i> :	lm	lm/W	Energy
GL016BC0F30	Black	1W	3000K	100°	13	13	A F
GL016BC0F40	Black	1W	4000K	100°	15	15	å F
GL016DC0F27	Stainless steel	1W	2700K	100°	12	12	å F
GL016DC0F30	Stainless steel	1W	3000K	100°	13	13	å F
GL016DC0F40	Stainless steel	1W	4000K	100°	15	15	å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zon	e Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/50	Installation tube	Sold Separately	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



1W at 350mA or 2W at 700mA



Frosted effect for low glare and soft lighting



Low voltage ground light

Guarantee

7 years

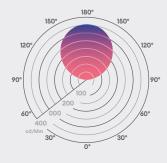
Features & benefits

Robust cable for outdoor use

Shallow depth for easy installation

Marine-grade stainless steel 316 or Black anodised aluminium

Beam angle: 100°







1W at 350mA or 2W at 700mA



Coastal protected



Low voltage ground light

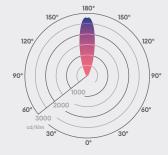
Guarantee

7 years

Features & benefits

Robust cable for outdoor use Shallow depth for easy installation

Beam angle: 26°









GL016 SQ

1W, 95lm square ground light

Features

IK rating	IK09
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 50mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	400g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Photometrics @ 25°C				350mA			700mA			
Product code	Finish	сст	△ °	w	lm	lm/W	w	lm	lm/W	Energy
GL016 SQ NW	Stainless steel	4000K	26°	1W	95	90	2W	381	65	A F
GL016 SQ WW	Stainless steel	3000K	26°	1W	75	75	2W	379	68	å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/50	Installation tube	Sold Separately	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465





3W at 350mA



Coastal protected



Low voltage ground light

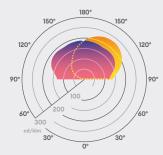
Guarantee

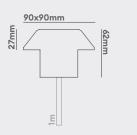
7 years

Features & benefits

Cast stainless steel for aged effect Raised profile sending light in three directions

Beam angle: C0/C180 C90/C270









GL063

3W, 45lm 3 way ground light

Features

IK rating	IK10
IP rating	IP67
CSP switchable	Single CCT
Walk over / Drive over	No
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 55mm
Bathroom zone	1
Inrush current	N/A
Construction material	Cast stainless steel (316)
Suitable for coastal areas	Yes
Weight	1.165Kg
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	Window	w	ССТ	△ °	lm	lm/W	Energy
GL063	Stainless steel	4 Windows	3W	3000K		45	15	ř F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465





GL064

4W, 65lm 4 way marker light

Features

IK rating	IK10
IP rating	IP67
CSP switchable	Single CCT
Walk over / Drive over	No
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 55mm
Bathroom zone	1
Inrush current	N/A
Construction material	Cast stainless steel (316)
Suitable for coastal areas	Yes
Weight	1.165Kg
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	Window	w	сст	△ :	lm	lm/W	Energy
GL064	Stainless steel	3 Windows	4W	3000K		65	16	A F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

Accessories

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/68	Installation tube	Included	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465

Ground Lights



4W at 350mA



Coastal protected



Low voltage ground light

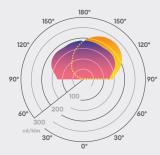
Guarantee

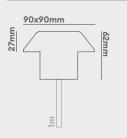
7 years

Features & benefits

Cast stainless steel for aged effect Raised profile sending light in four directions

Beam angle: C0/C180 C90/C270







1W at 350mA or 2W at 700mA



Coastal protected



Low voltage ground light

Guarantee

7 years

Features & benefits

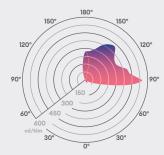
Walk over ground light ideal for

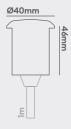
Marine-grade Stainless Steel 316

Long-lifetime of 70,000hrs

7-year warranty

Beam angle: C0/C180 C90/C270









GL100 (1-2 Windows) Up to 2W, 14lm mini domed marker light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316) or brass
Suitable for coastal areas	Yes
Weight	221g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Photometr	ics @ 25°C			3	350m	ıΑ		700m	A		
Product code	Finish	Window	ССТ	ペ	w	lm	lm/W	W	lm	lm/W	Energy
GL100DX1X27	Stainless steel 316	1 Window	2700K	75°	1W	2	2	2W		2	A F
GL100DX1X30	Stainless steel 316	1 Window	3000K	75°	1W	2	2	2W		2	Å F
GL100DX1X40	Stainless steel 316	1 Window	4000K	75°	1W	3	3	2W		2	A F
GL100DX2127	Stainless steel 316	2 Windows 1 Direction	2700K	75°	1W	4	4	2W		3	A F
GL100DX2130	Stainless steel 316	2 Windows 1 Direction	3000K	75°	1W	4	4	2W		4	A F
GL100DX2140	Stainless steel 316	2 Windows 1 Direction	4000K	75°	1W	6	6	2W		4	Å F
GL100DX2227	Stainless steel 316	2 Windows 2 Directions	2700K	75°	1W	4	4	2W		3	å F
GL100DX2230	Stainless steel 316	2 Windows 2 Directions	3000K	75°	1W	4	4	2W		4	Å F
GL100DX2240	Stainless steel 316	2 Windows 2 Directions	4000K	75°	1W	6	6	2W		4	A F

Wiring information

Cable / flying lead 1m (H05RN-F) rubberised cable (outside diameter: 6mm) Type of wiring required Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465





GL100 (3-4 Windows) Up to 2W, 14lm mini domed stainless steel marker light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

350mA

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316) or brass
Suitable for coastal areas	Yes
Weight	215g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	Window	ССТ	△ °	w	lm	lm/W	w	lm	lm/W	Energy
GL100DX3X27	Stainless steel 316	3 Windows	2700K	75°	1W	6	6	2W		5	A F
GL100DX3X30	Stainless steel 316	3 Windows	3000K	75°	1W	6	6	2W		6	å F
GL100DX3X40	Stainless steel 316	3 Windows	4000K	75°	1W	9	9	2W		5	å F
GL100DX4X27	Stainless steel 316	4 Windows	2700K	75°	1W	8	8	2W		6	å F
GL100DX4X30	Stainless steel 316	4 Windows	3000K	75°	1W	8	8	2W		7	F
GL100DX4X40	Stainless steel 316	4 Windows	4000K	75°	1W	12	12	2W		7	A F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



1W at 350mA or 2W at 700mA



Coastal protected



Low voltage ground light

Guarantee

7 years

Features & benefits

Walk over ground light ideal for paths or steps

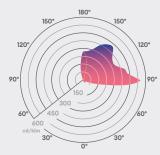
Marine-grade Stainless Steel 316

IP68 rated

Long-lifetime of 70,000hrs

7-year warranty

Beam angle: C0/C180 C90/C270







1W at 350mA or 2W at 700mA



Coastal protected



Low voltage ground light

Guarantee

7 years

Features & benefits

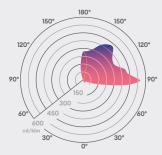
Walk over ground light ideal for

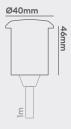
Marine grade stainless steel 316 or antique brass

Long-lifetime of 70,000hrs

7-year warranty

Beam angle: C0/C180 C90/C270







GL100 (1-2 Windows) Up to 2W, 14lm mini domed antique brass marker light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316) or brass
Suitable for coastal areas	Yes
Weight	236g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Photometr	rics @ 25°C	•			350n	nΑ		700m	Α		
Product code	Finish	Window	ССТ	\cap \cap \cap \cap \cap \cap \cap \cap	w	lm	lm/W	W	lm	lm/W	Energy
GL100AX1X27	Antique brass	1 Window	2700K	75°	1W	2	2	2W		2	â F
GL100AX1X30	Antique brass	1 Window	3000K	75°	1W	2	2	2W		2	å F
GL100AX2127	Antique brass	2 Windows 1 Direction	2700K	75°	1W	4	4	2W		3	î F
GL100AX2130	Antique brass	2 Windows 1 Direction	3000K	75°	1W	4	4	2W		4	î F
GL100AX2227	Antique brass	2 Windows 2 Direction	2700K	75°	1W	4	4	2W		3	î F
GL100AX2230	Antique brass	2 Windows 2 Direction	3000K	75°	1W	4	4	2W		4	A F

Wiring information

Cable / flying lead 1m (H05RN-F) rubberised cable (outside diameter: 6mm) Type of wiring required Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

JB2/JB4/JB6	IP68 Boxes	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465





GL100 (3-4 Windows) Up to 2W, 14lm mini domed antique brass marker light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

350mA

Cut out size	Ø 33mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316) or brass
Suitable for coastal areas	Yes
Weight	228g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	Window	сст	\^\c	w	lm	lm/W	W	lm	lm/W	Energy
GL100AX3X27	Antique brass	3 Windows	2700K	75°	1W	6	6	2W		5	A F
GL100AX3X30	Antique brass	3 Windows	3000K	75°	1W	6	6	2W		6	å F
GL100AX4X27	Antique brass	4 Windows	2700K	75°	1W	8	8	2W		6	å F
GL100AX4X30	Antique brass	4 Windows	3000K	75°	1W	8	8	2W		7	å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8

Accessories

JB2/JB4/JB6	IP68 Boxes	Sold Separately	464
TUBE332	Installation tube	Sold Separately	233
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



1W at 350mA or 2W at 700mA



Coastal protected



Low voltage ground light

Guarantee

7 years

Features & benefits

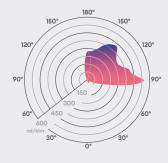
Walk over ground light ideal for paths or steps

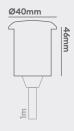
Marine grade stainless steel 316 or antique brass

IP68 rated

Long-lifetime of 70,000hrs

Beam angle: C0/C180 C90/C270









Coastal protected



Straight to mains ground light

Guarantee

7 years

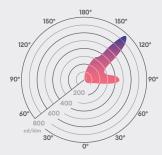
Features & benefits

Marine grade stainless steel 316 or

5 window styles and colour temperatures to suit any installation

Drive over - suitable for use on driveways (with TUBE/68)

Beam angle: 90°







GL200 (1-2 Windows) 5.7W, 40Im, domed ground light

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 70mm
Bathroom zone	2
Inrush current	31A 0.12ms
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	960g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	Window	W	ССТ	\chi	lm	lm/W	Energy
GL200DX1X27	Stainless steel 316	1 Window	5.7W	2700K	90°	10	2	A E
GL200DX1X30	Stainless steel 316	1 Window	5.7W	3000K	90°	10	2	Å E
GL200DX1X40	Stainless steel 316	1 Window	5.7W	4000K	90°	10	2	A D
GL200DX2127	Stainless steel 316	2 Windows 1 Direction	5.7W	2700K	90°	20	4	A E
GL200DX2130	Stainless steel 316	2 Windows 1 Direction	5.7W	3000K	90°	20	4	A E
GL200DX2140	Stainless steel 316	2 Windows 1 Direction	5.7W	4000K	90°	20	4	A D
GL200DX2227	Stainless steel 316	2 Windows 2 Directions	5.7W	2700K	90°	20	4	A E
GL200DX2230	Stainless steel 316	2 Windows 2 Directions	5.7W	3000K	90°	20	4	A E
GL200DX2240	Stainless steel 316	2 Windows 2 Directions	5.7W	4000K	90°	20	4	A D

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

JB5	Gell filled waterproof connector	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	233
WC 5-9	Quick waterproof connector	Sold Separately	464





GL200 (3-4 Windows) 5.7W, 40lm, domed ground light

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 70mm
Bathroom zone	2
Inrush current	31A 0.12ms
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	940g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	Window	w	ССТ	△ °	lm	lm/W	Energy
GL200DX3X27	Stainless steel 316	3 Windows	5.7W	2700K	90°	30	5	E E
GL200DX3X30	Stainless steel 316	3 Windows	5.7W	3000K	90°	30	5	E
GL200DX4X27	Stainless steel 316	4 Windows	5.7W	2700K	90°	40	7	ÈE
GL200DX4X30	Stainless steel 316	4 Windows	5.7W	3000K	90°	40	7	å E
GL200DX4X40	Stainless steel 316	4 Windows	5.7W	4000K	90°	40	7	à D

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

JB5	Gell filled waterproof connector	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	233
WC 5-9	Quick waterproof connector	Sold Separately	464

Ground Lights



5.7W



Coastal protected



Straight to mains ground light

Guarantee

7 years

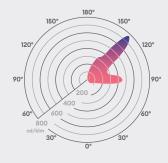
Features & benefits

Marine grade stainless steel 316 or

5 window styles and colour temperatures to suit any installation

Drive over - suitable for use on driveways (with TUBE/68)

Beam angle: 90°









Coastal protected



Straight to mains ground light

Guarantee

7 years

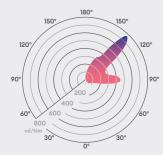
Features & benefits

Marine grade stainless steel 316 or

5 window styles and colour temperatures to suit any installation

Drive over - suitable for use on driveways (with TUBE/68)

Beam angle: 90°







GL200 (1-2 Windows) 5.7W, 40Im, domed ground light

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 70mm
Bathroom zone	2
Inrush current	31A 0.12ms
Construction material	Brass
Suitable for coastal areas	Yes
Weight	1060g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	Window	W	ССТ	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy
GL200AX1X30	Antique brass	1 Window	5.7W	3000K	90°	10	2	A E
GL200AX2130	Antique brass	2 Windows 1 Direction	5.7W	3000K	90°	20	4	å E
GL200AX2230	Antique brass	2 Windows 2 Direction	5.7W	3000K	90°	20	4	å E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

JB5	Gell filled waterproof connector	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	197
WC 5-9	Quick waterproof connector	Sold Separately	464





GL200 (3-4 Windows) 5.7W, 40lm, domed ground light

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 70mm
Bathroom zone	2
Inrush current	31A 0.12ms
Construction material	Brass
Suitable for coastal areas	Yes
Weight	1060g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	Window	w	ССТ	△ °	lm	lm/W	Energy
GL200AX3X30	Antique brass	3 Windows	5.7W	3000K	90°	30	5	A E
GL200AX4X30	Antique brass	4 Windows	5.7W	3000K	90°	40	7	A E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

JB5	Gell filled waterproof connector	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	233
WC 5-9	Quick waterproof connector	Sold Separately	464

Ground Lights



5.7W



Coastal protected



Straight to mains ground light

Guarantee

7 years

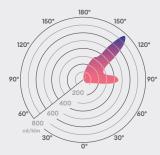
Features & benefits

Marine grade stainless steel 316 or antique brass

5 window styles and colour temperatures to suit any installation

Drive over - suitable for use on driveways (with TUBE/68)

Beam angle: 90°









GL050

3W, 50lm marker ground light

Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	350mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 70mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	552g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
GL050 27	Stainless steel	3W	2700K	100°	46	15	A F
GL050 WW	Stainless steel	3W	3000K	100°	46	15	i G
GL050 NW	Stainless steel	3W	4000K	100°	50	17	å F

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	0	1 to 9
PSIP3509W	220-240V	Yes	No	0	1 to 8
PSMD35039	220-240V	Yes	Yes (mains)	0	3 to 9

Accessories

JB2/JB4/JB6	IP68 waterproof connectors	Sold Separately	464
TUBE/68	Installation tube	Sold Separately	233
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465

Ground Lights



3W at 350mA



Frosted effect for low glare and soft lighting



Low voltage ground light

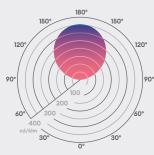
Guarantee

7 years

Features & benefits

Robust cable for outdoor use
Brushed steel finish for sleek effect

Beam angle: 100°







0.5W at 24V DC



Frosted effect for low glare and soft lighting



Low voltage ground light

Guarantee

7 years

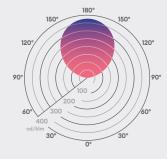
Features & benefits

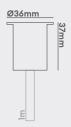
Robust cable for outdoor use
Shallow depth for easy installation

Coastal protected

Easy and quick installation with parallel wiring

Beam angle: 120°









GL018 C

0.4W, 4lm mini round marker ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	24V DC
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 28mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	300g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	w	сст	\^\colon \colon	lm	lm/W	Energy
GL018 C 27	Stainless steel	0.4W	2700K	120°	4	10	Exempt
GL018 C WW	Stainless steel	0.4W	3000K	120°	4	10	Exempt
GL018 C NW	Stainless steel	0.4W	4000K	120°	4	10	Exempt
GL018 C BLUE	Stainless steel	0.4W	Blue	120°	0.5	1.3	Exempt

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS1524	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1 to 30
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1 to 60
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1 to 100

JB1/JB5/JB6	IP68 waterproof connectors	Sold Separately	464
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456





GL018 CAB

0.5W, 3lm mini antique brass marker ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	24V DC
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 28mm
Bathroom zone	0
Inrush current	N/A
Construction material	Brass
Suitable for coastal areas	Yes
Weight	300g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

	Finish	W	ССТ	~	lm	lm/W	Energy
GL018 C AB 27	Antique brass	0.5W	2700K	120°	3	6	Exempt
GL018 C AB WW	Antique brass	0.4W	3000K	120°	4	10	Exempt
GL018 C AB NW	Antique brass	0.5W	4000K	120°	3	6	Exempt
GL018 C AB BLUE	Antique brass	0.5W	Blue	120°	0.5	1.3	Exempt

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS1524	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1 to 30
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1 to 60
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1 to 100

Accessories

JB1/JB5/JB6	IP68 waterproof connectors	Sold Separately	464
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456

Ground Lights



0.5W at 24V DC



Frosted effect for low glare and soft lighting



Low voltage ground light

Guarantee

3 year extended warranty (see "NEW" codes which now have a 7 year extended warranty)

Features & benefits

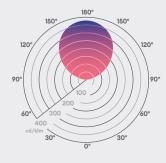
Solid brass with antique effect

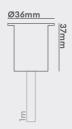
Robust cable for outdoor use

Shallow depth for easy installation

Easy and quick installation with parallel wiring

Beam angle: 120°







0.5W at 24V DC



Frosted effect for low glare and soft lighting



Low voltage ground light

Guarantee

3 year extended warranty (see "NEW" codes which now have a 7 year extended warranty)

Features & benefits

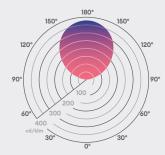
Square bezel for a different decorative effect

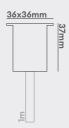
Robust cable for outdoor use

Shallow depth for easy installation

Easy and quick installation with parallel wiring

Beam angle: 120°









GL018 SQ

0.5W, 3lm square mini marker ground light

Features

IK rating	IK07
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	24V DC
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 28mm
Bathroom zone	0
Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	300g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
GL018 SQ WW	Stainless steel	0.5W	3000K	120°	3	6	Exempt
GL018 SQ BLUE	Stainless steel	0.5W	Blue	120°	0.5	1.3	Exempt

Wiring information

Cable / flying lead	1m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Parallel

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS1524	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1 to 30
PS3024B	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1 to 60
PS5024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	1 to 100

JB1/JB5/JB6	IP68 waterproof connectors	Sold Separately	464
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456

Ground light accessories

Choose the ideal accessory for your ground light

Change the aesthetic or find the perfect way to install your ground light.

Choose the ideal accessory



Product codes

Product Code	Description	Guarantee
GLA01	Square plate accessory for ground lights, Stainless steel 316, 65mm cut-out	7 year extended warranty
TUBE332	Ground light installation tube	1 year extended warranty
TUBE/50	Ground light installation tube	1 year extended warranty
TUBE/68	Ground light installation tube	1 year extended warranty

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with



To create engaging outdoor spaces

Whether lighting a pathway, planting or to really embellish an outdoor feature, spike lights are a great addition to any environment.

Choose your effect

Spike lights can be used in a variety of ways, for example, illuminating pathways, highlighting mid-level planting or to pick out certain features within a garden. The great thing about these products is that they can move as your landscape changes season to season, year to year.







Pathways Mid-level planting

Features

Layering light

Spike lights can effectively work as the main focus of an outdoor lighting scheme; however, they also work well in spreading the focus throughout an installation. Combine various effects using these versatile fittings to light features at different levels and to create a scene with depth and interest. Pathway lighting can be combined with uplighting to create a multi-layered effect.

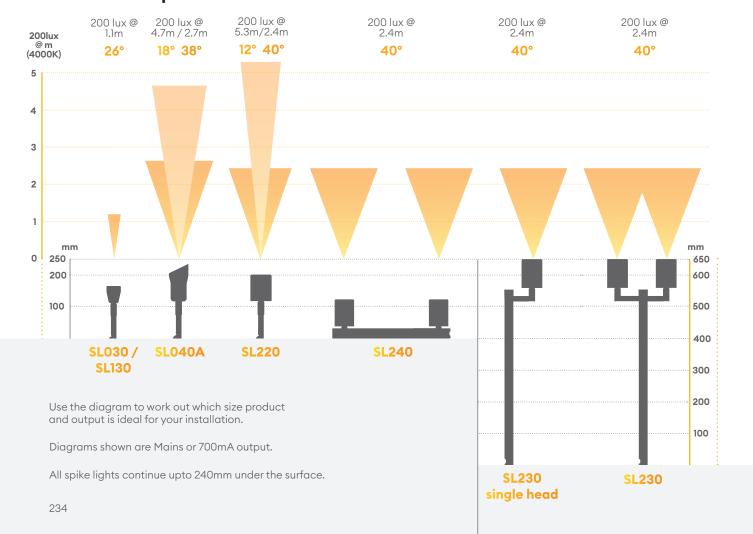




Light confined to one area

Light spread across installation

Product comparison



Low voltage Vs mains

Choose the right connection for any install with both mains and low voltage options available. These are ideal for both retro-fit and new installations.

All of our spike lights come with 3m integrated cable as standard for ease of installation.

Waterproof

Our spike lights are waterproof to IP65 and have been designed for permanent use outdoors. Spike lights must be installed using waterproof connections to avoid moisture ingress through non-waterproof joints. To choose from our range waterproof connectors, please see **page 464**.





Low glare hoods and snoots

Upgrade the look and feel of your spike light installation with a simple low glare hood or snoot accessory. The accessories minimise any 'spill light' from the product to create a crisp beam of light which is low glare.

Standard spike light



Flexible spike lighting with a highquality fixture. Without using an accessory the beam of light has a soft halo around the measured beam angle.

Low glare hood



A simple solution to create discreet lighting whilst optimising the light distribution. The widest part of the hood reduces the spill light from one side of the light.

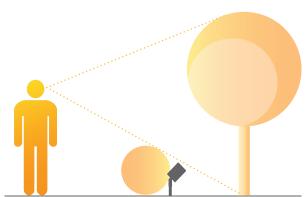
Low glare snoot



This cylindrical snoot accentuates the style factor. Perfect for creating a moonlight effect the snoot reduces the spill light in all directions.

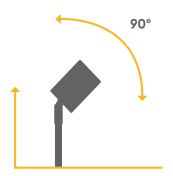
Discreet lighting

Conceal your spike lights to allow attention to focus on the illumination, not the light source.



Flexibility

Spike lights are the most flexible lighting choice for a garden as they can be used in a variety of environments and are easy to manoeuvre, which gives the option to change the lighting scheme to reflect the season.



Tilt

Select the best angle to illuminate features.

Move

Simply pick up and move a spike light to illuminate a different feature.



1W at 350mA or 2W at 700mA



Coastal protected



IP65 ideal for outdoor areas

Guarantee

7 years

Features & benefits

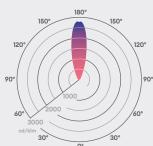
Long spike included for extra stability

Robust cable for outdoor use

Small & discreet

Single Point Source LED

Beam angle: 26°







SL030 | SL130

1W LED spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	Driver required (350mA / 700mA)
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	N/A
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	700g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometr	rics @ 25°C			350mA			700mA			
Product code	Finish	ССТ	△ :	W	lm	lm/W	w	lm	lm/W	Energy
SL030 F 27	Stainless steel 316	2700K	26°	1W	70	70	2W	337	60	a F
SL030 F NW	Stainless steel 316	4000K	26°	1W	95	95	2W	393	70	A F
SL030 FWW	Stainless steel 316	3000K	26°	1W	75	75	2W	379	68	A F
SL13027	Black anodised aluminium	2700K	26°	1W	70	70	2W	337	60	AF
SL13030	Black anodised aluminium	3000K	26°	1W	75	75	2W	379	68	A F
SL13040	Black anodised aluminium	4000K	26°	1W	95	95	2W	393	70	A F
SL130ZMBX27	Bronze anodised aluminium	2700K	26°	1W	70	70	2W	337	60	A F
SL130ZMBX30	Bronze anodised aluminium	3000K	26°	1W	75	75	2W	379	68	A F

Wiring information

Cable / flying lead 3m H05RN-F rubberised cable (outside diameter: 6mm) Type of wiring required Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PLU/700 3-9	220-240V	Yes	No	1	3 to 9
PSIP70018W	220-240V	Yes	No	1	1 to 8

JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	464
WCR 275 BLACK	2-core rubber cable	465
PDC/GRID DIMMER	1-10V dimmer module	465



SL040A

High output LED spike light

Features

IP65
Single CCT
90°
Driver required (700mA)
70,000h L70
80 Ra
3 SDCM

Installation information

Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	600g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	сст	\hat{\circ}	lm	lm/W	Energy
SL040A F 27	Black anodised aluminium	7W	2700K	18°	377	54	A F
SL040A FWW	Black anodised aluminium	7W	3000K	18°	413	59	A B
SL040A S 27	Black anodised aluminium	7W	2700K	38°	377	54	f F
SL040A S WW	Black anodised aluminium	7W	3000K	38°	413	59	å G
SL040A S NW	Black anodised aluminium	7W	4000K	38°	520	74	f F

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/700 3-9	220-240V	Yes	No	1	3 to 9
PSIP70018W	220-240V	Yes	No	1	1 to 8
PSDIM700	220-240V		Yes (1-10V)	1	1 to 18

Accessories

JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
PDC/GRID DIMMER	1-10V dimmer module	Sold Separately	465

Spike Lights



7W



Coastal protected



IP65 ideal for outdoor areas

Guarantee

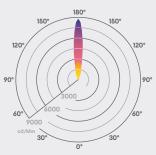
7 years

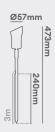
Features & benefits

Long spike included for extra stability

Robust cable for outdoor use Hooded for reduced glare

Beam angle: 18°







2.2W at 350mA or 4.6W at 700mA



Coastal protected



IP65 ideal for outdoor areas

Guarantee

7 years

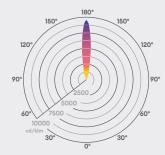
Features & benefits

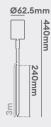
Can be powered by either a 350mA or 700mA driver depending on desired light output.

Narrow beam for higher intensity

Ideal for highlighting tree trunks as a vertical linear feature

Beam angle: 12°







SL220 12° Beam Angle Low voltage LED spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	Driver required (350mA / 700mA)
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	N/A
Construction material	Anodised aluminium, stainless steel 316, copper
Suitable for coastal areas	Yes
Weight	SL220B: 580g SL220C: 1164g SL220D: 1054g SL220Z: 588g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Photometrics @ 25°C				350mA			700mA			
Product code	Finish	ССТ	\chi	w	lm	lm/W	w	lm	lm/W	Energy
SL220BNBX27	Black anodised aluminium	2700K	12°	2.2W	310	141	4.6W	530	115	A E
SL220BNBX30	Black anodised aluminium	3000K	12°	2.2W	310	141	4.6W	530	115	A E
SL220BNBX40	Black anodised aluminium	4000K	12°	2.2W	310	141	4.6W	530	115	A E
SL220CNBX27	Solid copper	2700K	12°	2.2W	310	141	4.6W	530	115	A E
SL220DNBX30	Stainless steel 316	3000K	12°	2.2W	310	141	4.6W	530	115	E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PLU/700 3-9	220-240V	Yes	No	1	3 to 9
PSIP70018W	220-240V	Yes	No	1	1 to 8

JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Stylish, baffle-style snoot, perfect for creating a moonlighting effect	Sold Separately	249
PDC/GRID DIMMER	1-10V dimmer module	Sold Separately	465



SL220 40° Beam Angle

Low voltage LED spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	N/A
Construction material	Anodised aluminium, stainless steel 316, copper
Suitable for coastal areas	Yes
Weight	SL220B: 580g SL220C: 1164g SL220D: 1054g SL220Z: 588g
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	ССТ	\cap \cap \cap \cap \cap \cap \cap \cap	w	lm	lm/W	w	lm	lm/W	Energy
SL220BWBX27	Black anodised aluminium	2700K	40°	2.2W	290	132	4.6W	515	112	Å E
SL220BWBX30	Black anodised aluminium	3000K	40°	2.2W	300	136	4.6W	520	113	Å E
SL220BWBX40	Black anodised aluminium	4000K	40°	2.2W	310	141	4.6W	530	115	å E
SL220CWBX27	Solid copper	2700K	40°	2.2W	290	132	4.6W	515	112	Å E
SL220DWBX27	Stainless steel 316	2700K	40°	2.2W	290	132	4.6W	515	112	â E
SL220DWBX30	Stainless steel 316	3000K	40°	2.2W	300	136	4.6W	520	113	å E
SL220DWBX40	Stainless steel 316	4000K	40°	2.2W	310	141	4.6W	530	115	å E
SL220ZWBX27	Bronze anodised aluminium	2700K	40°	2.2W	290	132	4.6W	515	112	A E
SL220ZWBX30	Bronze anodised aluminium	3000K	40°	2.2W	300	136	4.6W	520	113	ÊE

350mA

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PLU/700 3-9	220-240V	Yes	No	1	3 to 9
PSIP70018W	220-240V	Yes	No	1	1 to 8

Accessories

JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Stylish, baffle-style snoot, perfect for creating a moonlighting effect	Sold Separately	249
PDC/GRID DIMMER	1-10V dimmer module	Sold Separately	465

Spike Lights



2.2W at 350mA or 4.6W at 700mA



Coastal protected



IP65 ideal for outdoor areas

Guarantee

7 years

Features & benefits

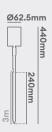
High efficacy of 144lm/W

Single LED and lens combination for maximum efficiency and optimal light distribution

Choice of material finish to suit different styles

Beam angle: 40°







5.7W



Coastal protected



IP65 ideal for outdoor areas

Guarantee

7 years

Features & benefits

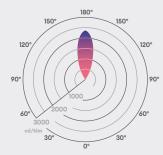
High efficacy - up to 93 lm/W

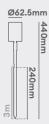
Single LED and lens combination for maximum efficiency and optimal light distribution

Choice of material finish to suit different styles

Mains voltage for easy installation

Beam angle: 12°







SL220 Mains 12° Beam Angle

Mains voltage LED spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	60A 37µs
Construction material	Anodised aluminium, stainless steel 316, copper
Suitable for coastal areas	Yes
Weight	SL220B: 714g SL220C: 1280g SL220D: 1156g SL220Z: 694g
Maximum ambient temperature	50°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	сст	△ °	lm	lm/W	Energy
SL220BNBM30	Black anodised aluminium	5.7W	3000K	12°	520	91	å E
SL220BNBM40	Black anodised aluminium	5.7W	4000K	12°	530	93	å E
SL220DNBM27	Stainless steel 316	5.7W	2700K	12°	515	90	å E
SL220DNBM30	Stainless steel 316	5.7W	3000K	12°	520	91	ÊE
SL220ZNBM27	Bronze anodised aluminium	5.7W	2700K	12°	515	90	A E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

JB5	Gel filled waterproof connector	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Stylish, baffle-style snoot, perfect for creating a moonlighting effect	Sold Separately	249



SL220 Mains 40° Beam Angle

Mains voltage LED spike light

Features

IP65
Single CCT
90°
220-240V 50/60Hz
70,000h L70
80 Ra
3 SDCM

Installation information

	Inrush current	60A 37µs
	Construction material	Anodised aluminium, stainless steel 316, copper
	Suitable for coastal areas	Yes
	Weight	SL220B: 714g SL220C: 1280g SL220D: 1156g SL220Z: 694g
	Maximum ambient temperature	50°C
	SELV	Yes
	Electric class (1, 2, 3)	1
	Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ :	lm	lm/W	Energy
SL220BWBM27	Black anodised aluminium	5.7W	2700K	40°	515	90	A E
SL220BWBM30	Black anodised aluminium	5.7W	3000K	40°	520	91	A E
SL220BWBM40	Black anodised aluminium	5.7W	4000K	40°	530	93	A E
SL220CWBM27	Solid copper	5.7W	2700K	40°	515	90	A E
SL220DWBM27	Stainless steel 316	5.7W	2700K	40°	515	90	A E
SL220DWBM30	Stainless steel 316	5.7W	3000K	40°	520	91	A E
SL220DWBM40	Stainless steel 316	5.7W	4000K	40°	530	93	A E
SL220ZWBM27	Bronze anodised aluminium	5.7W	2700K	40°	515	90	A E
SL220ZWBM30	Bronze anodised aluminium	5.7W	3000K	40°	520	91	A E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

JB5	Gel filled waterproof connector	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Stylish, baffle-style snoot, perfect for creating a moonlighting effect	Sold Separately	249

Spike Lights



5.7W



Coastal protected



IP65 ideal for outdoor areas

Guarantee

7 years

Features & benefits

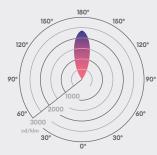
High efficacy - up to 93lm/W

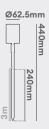
Single LED and lens combination for maximum efficiency and optimal light distribution

Choice of material finish to suit different styles

Mains voltage for easy installation

Beam angle: 40°







2.2W at 350mA or 4.6W at 700mA



Coastal protected



IP65 ideal for outdoor areas

Guarantee

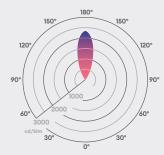
7 years

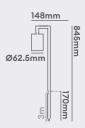
Features & benefits

Single LED and lens combination for maximum efficiency and optimal light distribution

Choice of material finish to suit different styles

Beam angle: 40°







SL230 Single HeadLow voltage single head LED spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	350mA / 700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	1.05
Maximum ambient temperature	50°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C 350mA

Product code	Finish	ССТ	\hat{\circ}	w	lm	lm/W	w	lm	lm/W	Energy
SLX230SHA30	Anthracite	3000K	40°	2.2W	300	136	4.6W	1182	113	A E
SLX230SHB30	Black	3000K	40°	2.2W	300	136	4.6W	1182	113	A E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PLU/700 3-9	220-240V	Yes	No	1	3 to 9
PSIP70018W	220-240V	Yes	No	1	1 to 8

JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249



SL230 Single Head Mains Mains voltage single head LED spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	60A 37µs (SLM230SH)
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	1.18
Maximum ambient temperature	50°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	ССТ	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy
SLM230SHA30	Anthracite	5.7W	3000K	40°	520	91	Å E
SLM230SHB30	Black	5.7W	3000K	40°	520	91	A E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

JB5	Gel filled waterproof connector	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249

Spike Lights



5.7W



Coastal protected



IP65 ideal for outdoor areas

Guarantee

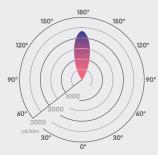
7 years

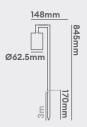
Features & benefits

High efficacy of 91lm/W

Single LED and lens combination for maximum efficiency and optimal light distribution

Beam angle: 40°







4.4W at 350mA or 9.2W at 700mA



Coastal protected



IP65 ideal for outdoor areas

Guarantee

7 years

Features & benefits

Adjustable pole-mounted twin heads are perfect for illuminating paths, steps and trees

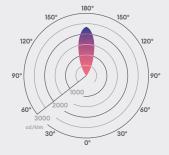
Easily ground mounted with spiked pole and single cable for quick installation

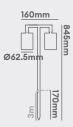
Elegant and discreet black and bronze finishes

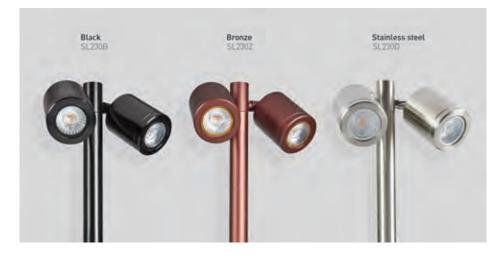
Highly efficiency of 114lm/W

Discreet cabling

Beam angle: 40°







SL230

Low voltage LED twin pole spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	N/A
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	SL230B: 1432g SL230D: 3200g SL230Z: 1401g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Photometri	cs @ 25°C			350mA			700mA			
Product code	Finish	сст	\text{\ti}\ext{\tin}\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\texi}\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\tint{\text{\texi}\	w	lm	lm/W	w	lm	lm/W	Energy
SL230BWBX27	Black anodised aluminium	2700K	40°	4.4W	580	135	9.2W	2 x 1171	111	A E
SL230BWBX30	Black anodised aluminium	3000K	40°	4.4W	580	140	9.2W	2 x 1182	112	Ā E
SL230DWBX30	Stainless steel	3000K	40°	4.4W	580	140	9.2W	2 x 1182	112	A E
SL230ZWBX27	Bronze anodised aluminium	2700K	40°	4.4W	580	135	9.2W	2 x 1171	111	A E
SL230ZWBX30	Bronze anodised aluminium	3000K	40°	4.4W	600	140	9.2W	2 x 1182	112	A E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

PLU/350 1-9 220-240V Yes No 1	1 to 9
PLU/700 3-9 220-240V Yes No 1	3 to 9
PSIP70018W 220-240V Yes No 1	1 to 8

JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249



SL230 Mains

Mains voltage LED twin pole spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	120A 37µs
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	SL230B: 1578g SL230D: 3500g SL230Z: 1577g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	сст	\^\c	lm	lm/W	Energy
SL230BWBM27	Black anodised aluminium	11.4W	2700K	40°	1030	2 x 90	E
SL230BWBM30	Black anodised aluminium	11.4W	3000K	40°	1040	2 x 91	A E
SL230DWBM27	Stainless steel	11.4W	2700K	40°	1030	2 x 90	A E
SL230DWBM30	Stainless steel	11.4W	3000K	40°	1040	2 x 91	A E
SL230ZWBM30	Bronze anodised aluminium	11.4W	3000K	40°	1040	2 x 91	A E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

JB5	Gel filled waterproof connector	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249

Spike Lights



11.4W



Coastal protected



IP65 ideal for outdoor areas

Guarantee

7 years

Features & benefits

Adjustable pole-mounted twin heads are perfect for illuminating paths, steps and trees

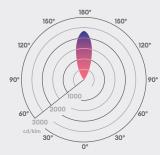
Easily ground mounted with spiked pole and single cable for quick installation

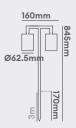
Elegant and discreet black and bronze finishes

Mains voltage for easy installation

Highly efficiency of 93lm/W

Beam angle: 40°







4.4W at 350maA or 9.2W at 700mA



Coastal protected



IP65 ideal for outdoor areas

Guarantee

7 years

Features & benefits

Adjustable bar-mounted twin heads, ideal for discreet illumination of shrubbery, trees and other landscape features

Easily ground mounted with two spikes and single cable for quick installation

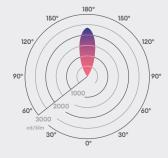
Elegant and discreet black and bronze finishes

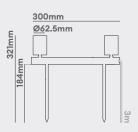
Highly efficiency of 114lm/W

Discreet cabling

Additional accessories also available such as hoods and snoots

Beam angle: 40°







SL240

Low voltage LED twin bar spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	N/A
Construction material	Anodised aluminium Stainless Steel 316
Suitable for coastal areas	Yes
Weight	SL240B: 1576g SL240D: 2600g SL240Z: 1401g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

700mA

Photometrics @ 25°C

Product code	Finish	ССТ	△ °	w	lm	lm/W	w	lm	lm/W	Energy
SL240BWBX27	Black anodised aluminium	2700K	40°	4.4W	580	135	9.2W	2 x 1171	111	A E
SL240BWBX30	Black anodised aluminium	3000K	40°	4.4W	600	140	9.2W	2 x 1182	112	ă E
SL240DWBX27	Stainless steel	2700K	40°	4.4W	580	135	9.2W	2 x 1171	111	A E
SL240DWBX30	Stainless steel	3000K	40°	4.4W	600	140	9.2W	2 x 1182	112	A E
SL240ZWBX27	Bronze anodised aluminium	2700K	40°	4.4W	580	135	9.2W	2 x 1171	111	A E
SL240ZWBX30	Bronze anodised aluminium	3000K	40°	4.4W	600	140	9.2W	2 x 1182	112	A E

350mA

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No	1	1 to 9
PLU/700 3-9	220-240V	Yes	No	1	3 to 9
PSIP70018W	220-240V	Yes	No	1	1 to 8

JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249



SL240 Mains

Mains voltage LED twin bar spike light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	90°
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	120A 37µs
Construction material	Anodised aluminium Stainless Steel 316
Suitable for coastal areas	Yes
Weight	SL240B: 1584g SL240D: 2700g SL240Z: 1414g
Maximum ambient temperature	35°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	w	ССТ	\text{\tin}\ext{\ti}}\\ \ti}\\\ \tittt{\text{\text{\text{\text{\text{\text{\text{\tin}}\tint{\text{\text{\text{\ti}}}\tittt{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}}\titt{\text{\text{\text{\text{\text{\tin}\tiint{\text{\tint}\	lm	lm/W	Energy
SL240BWBM27	Black anodised aluminium	11.4W	2700K	40°	1030	2 x 90	A E
SL240BWBM30	Black anodised aluminium	11.4W	3000K	40°	1040	2 x 91	Å E
SL240DWBM30	Stainless steel	11.4W	3000K	40°	1040	2 x 91	A E
SL240ZWBM27	Bronze anodised aluminium	11.4W	2700K	40°	1030	2 x 90	A E
SL240ZWBM30	Bronze anodised aluminium	11.4W	3000K	40°	1040	2 x 91	A E

Wiring information

Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

JB5	Gel filled waterproof connector	Sold Separately	464
GH220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249
GS220	Simple hood to reduce glare whilst maintaining a good light distribution	Sold Separately	249

Spike Lights



11.4W



Coastal protected



IP65 ideal for outdoor areas

Guarantee

7 years

Features & benefits

Adjustable bar-mounted twin heads, ideal for discreet illumination of shrubbery, trees and other landscape features

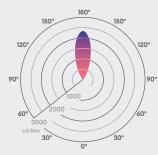
Easily ground mounted with two spikes and single cable for quick installation

Elegant and discreet black and bronze finishes

Mains voltage for easy installation

Highly efficiency of 93lm/W

Beam angle: 40°







6W at 24V



IP65 ideal for outdoor areas



Low voltage product

Guarantee

7 years

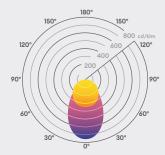
Features & benefits

Robust cable for outdoor use Long lifetime of 50,000hrs

7 year warranty

Note product is non-dimmable

Beam angle: 60-110°









SL250

Low voltage, 24V, LED path light with spike

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	N/A
Dimmable	No
Input	24V DC
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	6 SDCM

Installation information

Inrush current	N/A
IIII usii cui ciic	14/74
Construction material	Brass, powder coated aluminium
Suitable for coastal areas	No
Weight	Black: 1374g, Brass: 1390g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
SL250ATX0X27	Brass, treated	6W	2700K	60-110°	200	50	(D
SL250ATX0X30	Brass, treated	6W	3000K	60-110°	220	55	(D
SL250BPX0X27	Black powder coated aluminium	6W	2700K	60-110°	200	50	ā D
SL250BPX0X30	Black powder coated aluminium	6W	3000K	60-110°	220	55	ā D

Wiring information

 Cable / flying lead
 1m H05RN-F rubberised cable (outside diameter: 6mm)

 Type of wiring required
 Parallel

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS3024B	220-240V	Yes	No	0	1 to 5
PS5024	220-240V	Yes	No	0	1 to 8
PS7524	220-240V	Yes	N/A	0	1 to 12

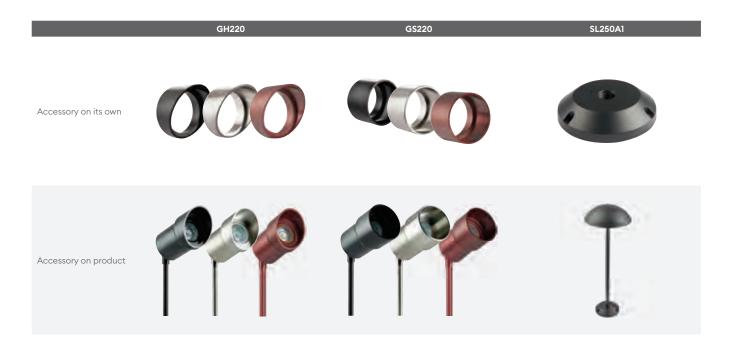
JB1/JB5/JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464
WCR 275 BLACK	2-core rubber cable	Sold Separately	465
SL250A1	Surface mounted base plate	Sold Separately	249

Spike light accessories

Choose the ideal accessory for your spike light

Lower the glare of your spike light for visual comfort and improving it's effect on wildlife.

Choose the ideal accessory



Product codes

Product Code	Finish	Description	Guarantee
GH220B	Black	Low-glare, tapered hood	7 year extended warranty
GH220D	Stainless steel 316	Low-glare, tapered hood	7 year extended warranty
GH220Z	Bronze	Low-glare, tapered hood	7 year extended warranty
GS220B	Black	Low-glare, cylindrical snoot	7 year extended warranty
GS220D	Stainless steel 316	Low-glare, cylindrical snoot	7 year extended warranty
GS220Z	Bronze	Low-glare, cylindrical snoot	7 year extended warranty
SL250A1	Black powder coated aluminium	Path light surface mount accessory	7 year extended warranty

For full product specification visit **collingwoodlighting.com**

Compatible with

	SL030 Page 236	SL040A Page 237	SL220 Page 238-239	SL220 Mains Page 240-241	SL240 Page 246	SL240 Mains Page 247	SL250 Page 248
GH220B			•	•	•	•	
GH220D			•	•	•	•	
GH220Z			•	•	•	•	
GS220B			•	•	•	•	
GS220D			•	•	•	•	
GS220Z			•	•			
SL250A1							•

Feature lights

A flexible solution

Collingwood's outdoor lights have been specifically engineered to cope with challenging environments. Whether illuminating sculptures, plant life or fully immersed in ponds or water features, rest assured that our luminaires are built to last.

Flexibility

With a 360° rotation and 180° tilt, our UL010 and UL030 lights provide ultimate flexibility with the ability to be pointed in any direction, illuminating the areas you want to showcase.

360° rotation

This is achieved with an adjustable bracket at the base of the product.



180° tiltable

Using the bracket directly attached to the product, the light can be tilted upwards and downwards.



Coastal protection

Our UL010 and UL030 products completely protected from the effects of rust and salt water corrosion. This includes our marinegrade 316 and antique brass finish.





Mount anywhere

Designed with flexibility in mind, our fittings can be mounted on to most surfaces. The screw-in structure allows for attaching to a hard surface securely, where recessing a light is impossible.



Output options

Both products have a narrow beam which means punchy illumination from a neat and compact fitting. As each installation is unique, it may require a high or low output fitting.

High output

The UL030 is ideal for general illumination.



Low output

The UL010 works well for subtle feature illumination.



Discreet fittings

We understand the focus of lighting should be the illumination, not the fitting, which is why the flexible nature of these products ensures they are easy to conceal in a landscape.





Underwater lighting

Illuminating a pond or water feature will help to transform any landscape design, creating a focal point whilst also adding a layer of protection, and ensuring passers-by are aware of where the later is located.

Lighting effect

A number of effects can be created when strategically lighting water and water features.

Backlighting waterfalls

Adding lighting to the soothing sound of a waterfall can create a calm and peaceful atmosphere.



Reflections

Indirectly illuminate by up lighting surrounding shrubs and trees; unique reflections will be cast into the water.



Highlighting water features

Maintain maximum visual impact after the sun sets by using spot lighting to highlight water features.



Adding depth to your landscape

Highlighting water features can add significant depth and appeal to the overall landscape design.





Submersible fittings

Our Collingwood patented technology ensures that our UL010 and UL030 IP68 rated feature lights are completely air tight and can be used under water.



The ripple effects

As water moves and ripples, the light moves with it. This adds a sense of motion and fluidity to your scheme and sparks visual interest.



Feature Lights



4.6W at 700mA



Coastal protected



IP68 ideal for outdoor areas and under water lighting

Guarantee

7 years

Features & benefits

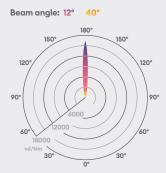
Single LED and lens combination for maximum efficiency and optimal light distribution

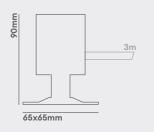
Complete with wall fixings

Tilt & rotate for adjusting light

Antique brass finish, Marine grade stainless steel 316 & Black anodised aluminium

Long lifetime of 70,000hrs







UL030

High output universal LED light

Features

IP rating	IP68
CSP switchable	Single CCT
Tiltable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	N/A
Construction material	Stainless steel (316), brass, anodised aluminium
Suitable for coastal areas	Yes
Weight	680g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	сст	\text{\text{\$\circ}}	lm	lm/W	Energy
UL030ANAX27	Brass	4.6W	2700K	12°	470	67	ÊE
UL030ANAX30	Brass	4.6W	3000K	12°	480	69	ÊE
UL030DNBX27	Stainless steel	4.6W	2700K	12°	470	67	ÊE
UL030DNBX30	Stainless steel	4.6W	3000K	12°	480	69	E
UL030DNBX40	Stainless steel	4.6W	4000K	12°	490	70	A E
UL030AWAX27	Brass	4.6W	2700K	40°	470	67	A E
UL030AWAX30	Brass	4.6W	3000K	40°	480	69	A E
UL030BWBX27	Black anodised aluminium	4.6W	2700K	40°	470	67	Å E
UL030BWBX30	Black anodised aluminium	4.6W	3000K	40°	480	69	ÊE
UL030DWBX27	Stainless steel	4.6W	2700K	40°	470	67	ÊE
UL030DWBX30	Stainless steel	4.6W	3000K	40°	480	69	ÊE
UL030DWBX40	Stainless steel	4.6W	4000K	40°	490	70	Å E

Wiring information

 Cable / flying lead
 1m (H05RN-F) rubberised cable (outside diameter: 6mm)

 Type of wiring required
 Series

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8
PSDIM700	220-240V		Yes (1-10V)	0	1 to 18

JB2/JB4	Waterproof junction box / Gel filled waterproof connector	Sold Separately	464
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
WCR 275 BLACK	2-core rubber cable	Sold Separately	465



UL010

Universal LED light

Features

IP rating	IP68
CSP switchable	Single CCT
Tiltable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	N/A
Construction material	Stainless steel (316), brass anodised aluminium
Suitable for coastal areas	Yes
Weight	500g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	сст	△ °	lm	lm/W	Energy
UL010 A 27	Brass	3W	2700K	26°	92	31	î F
UL010 A WW	Brass	3W	3000K	26°	95	32	
UL010 B 27	Black anodised aluminium	3W	2700K	26°	92	31	ê F
UL010 B 30	Black anodised aluminium	3W	3000K	26°	95	32	å ®
UL010 27	Stainless steel 316	3W	2700K	26°	92	31	A F
UL010 WW	Stainless steel 316	3W	3000K	26°	95	32	A B
UL010 NW	Stainless steel 316	3W	4000K	26°	119	40	A F

Wiring information

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/700 3-9	220-240V	Yes	No	0	3 to 9
PSIP70018W	220-240V	Yes	No	0	1 to 8
PSDIM700	220-240V		Yes (1-10V)	0	1 to 18

Accessories

JB2/JB4	Waterproof junction box / Gel filled waterproof connector	Sold Separately	464
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
WCR 275 BLACK	2-core rubber cable	Sold Separately	465

Feature Lights



3W at 700mA



Coastal protected



IP68 ideal for outdoor areas and under water lighting

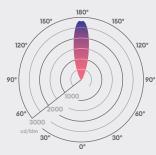
Guarantee

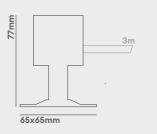
7 years

Features & benefits

Complete with wall fixings
Robust cable for use outdoors
Tilt & rotate for adjusting light
Long lifetime of 70,000hrs

Beam angle: 26°









Qubo

Architectural projector feature light for indoor and outdoor applications

Features

IP rating	IP66
CSP switchable	Single CCT
Tiltable	120°
Rotatable	60°
Dimmable	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	6 SDCM

Installation information

Inrush current	QBAL: 12A 0.156ms, QBAM: 3.5A 0.14ms
Construction material	Aluminium Housing, PMMA Diffuser, Grade 304 Screws
Suitable for coastal areas	No
Weight	QBAL: 1700g, QBAM: 700g
Maximum ambient temperature	-20°C to +30°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	сст	△ °	lm	lm/W	Energy
QBALN30	Anthracite grey RAL7016	18W	3000K	30°	2000	111	Æ
QBAMN30	Anthracite grey RAL7016	10W	3000K	30°	1000	100	Ê

Wiring information

Cable / flying lead	2m Neoprene H05RN-F 3x0.75mm2 cable supplied
Type of wiring required	Parallel

Accessories

N/A	No accessories required	

Feature Lights



IP66 ideal for internal or external applications



High lumen output of up to 2000lm



Robust impact rating of IK08

Guarantee

5 years

Features & benefits

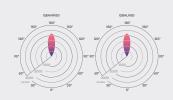
Outdoor LED projector with bracket and spike for installation on floor or ground

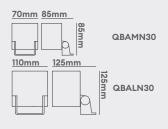
Adjustable, rotation 0-60°, 0-120°

Precision tilting degree marker on the product to facilitate orientation

Neoprene H05RN-F 2x0.75mm2 cable of 2000mm

Beam angle: 30°





Bespoke wooden bollards



Purpose built in Great Britain, for your installation

Adding style and flair to any design scheme, bollards can add depth and dimension to a landscape, creating safer, 24-hour spaces.

Single LED bollard

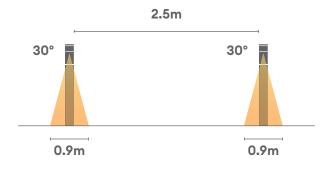
Use the single LED bollard to add new lighting to existing pathways, gardens or shared spaces. The remote SELV power supply provides increased flexibility when fitting. Long distances of cable can be concealed within trunking.

Bollards are often purposely positioned in a uniformed capacity to highlight a walkway;



however, they can also be integrated into a landscape feature, maximising the overall design of the space.

For a pathway with consistent points highlighted:

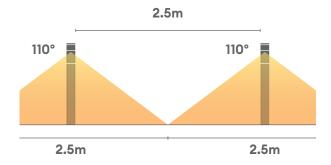


Triple LED bollard

Using an integral power supply, this direct to mains bollard is ideal for replacing existing bollard lighting, which may be looking tired or in need of replacement. It is easy to retrofit using existing cables or as part of a new build, where cables can easily be installed with minimum impact. Using three LEDs instead of one and with a wider beam angle, these products are capable of being positioned at greater distances whilst still creating an even spread of light.



For a pathway consistently lit at 30 lux:



Choice of material

Choose from three beautifully crafted woods to obtain the ideal aesthetic for your bollard.

Iroko



Oak



Sapele



Choice of style

Choose from three unique styles to suit your installation.

Domed



Chamfered



Pointed



Colour temperature

Choose between three available colour temperatures.

2700K



3000K



4000K



Single lighting regulations

We are making the wooden bollards more serviceable. The change is a simple one with beneficial impact: there will be a removable back plate so that the control gear and light modules can be accessed and replaced if necessary. On bottom cable entry, the panel goes all the way to the floor, with three brass countersunk screws holding it in place, and the side entry models has the removable plate up to the cable entry.

Choosing the ideal wooden bollard

For your installation

Use the five easy steps below to ascertain the perfect bollard for your installation.

Do you need a bollard with single or triple LEDs?

Single LED bollard

Beam angle: 30°



Triple LED bollard

Beam angle: 110°



Which style head would you like?

Domed



Chamfered



Pointed



Which type of wood do you prefer?

Iroko



Oak



Sapele



Will the bollard be recessed or surface mounted?

Recessed mount

Side cable entry is required for recess mounting.



Surface mount





When surface mounting you will also need a bracket.



Product code: **BOL LED BRACKET**

Which colour temperature do you need?

Warmest

For a warm cosy look use 2700K.



Warmest

For a warm cosy look use 2700K.



Warmest

For a warm cosy look use 2700K.



Now you've determined what you'll need, use the product code generator on the next page to obtain the correct product code.

Choosing the ideal wooden bollard

For your installation

Now that you know what attributes you want, use the matrix below to work out which product code you will need.

Use the generator below to build your wooden bollards product code based on the attributes you have selected

The example shown is for a single LED with base cable entry, 2700K, iroko wood, domed head bollard, resulting in the partcode BL01DIB27. You can change each element to represent the bollard you need.

1	2	3	4	5	6
B L	0 1	D	I	В	2 7
	0 3	F	0	S	3 0
		P	S		4 0

1	Product type	2	Single / Triple LED	3	Style
ВL	Bollard	01	Single LED	D	Domed
		03	Triple LED	F	Chamfered
				P	Pointed
4	Material	5	Cable entry	6	Colour temperature
1	Iroko wood	В	Base entry	27	2700K
0	Oakwood	S	Side entry	30	3000K
S	Sapele wood			40	4000K



BL03

Straight to mains

Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V 50/60Hz
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

60A 0.037ms
See page 256-257
Yes (with appropriate treatment)
5500g
35°C
Yes
2
0.1mA

Photometrics @ 25°C

Product code	w	сст	△ °	lm	lm/W	Energy
	5W	2700K	110°	156	31	A B
See page 258	5W	3000K	110°	160	32	A F
	5W	4000K	110°	246	49	î F

Wiring information

Cable / flying lead	NEW 1.5mm SY 2 Core PVC Steel Braid Cable. 2M Length.
Type of wiring required	Parallel

Accessories

BOL LED BRACKET	Stainless steel bracket for BOL LED range	Sold Separately	261
JB5	Gel filled junction box	Sold Separately	464

Bollards



5W at 350mA or 700mA



Coastal Protected



IP65 ideal for outdoor areas

Guarantee

7 Years

Features & benefits

Choice of wood finishes: Iroko, Sapele or Oak

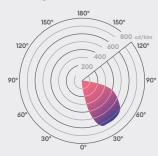
Pointed, Chamfered or Domed top

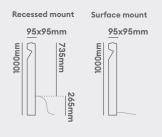
Choice of low-voltage or straightto-mains

Side-entry cable or base-entry cable options

Three colour temperature options: 2700K, 3000K or 4000K

Beam angle: 110°





Bollards



1W at 350mA or 700mA



Coastal Protected



IP65 ideal for outdoor areas

Guarantee

7 Years

Features & benefits

Choice of wood finishes: Iroko, Sapele or Oak

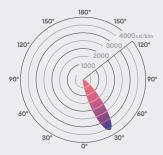
Pointed, Chamfered or Domed top

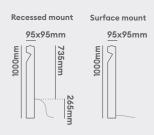
Choice of low-voltage or straightto-mains

Side-entry cable or base-entry cable options

Three colour temperature options: 2700K, 3000K or 4000K

Beam angle: 26°







BL01 Low voltage

Features

IK rating	N/A
IP rating	IP65
CSP switchable	Single CCT
Input	350mA/700mA
LED lifetime	70,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

700mA

Inrush current	N/A
Construction material	See page 256-257
Suitable for coastal areas	Yes (with appropriate treatment)
Weight	5800g
Maximum ambient temperature	35°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C 350mA

Product code	ССТ	\cap \cap \cap \cap \cap \cap \cap \cap	w	lm	lm/W	w	lm	lm/W	Energy
	2700K	26°	1W	70	70	2W	337	60	A F
See page 258	3000K	26°	1W	75	75	2W	379	68	A F
	4000K	26°	1W	95	95	2W	393	70	A F

Wiring information

Cable / flying lead	1.8m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

See pages 450-455 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PLU/350 1-9	220-240V	Yes	No		1 to 9
PLR/350 1-5	220-240V	Yes	No		1 to 5
PLU/700 3-9	220-240V	Yes	No	N/A	3 to 9

BOL LED BRACKET	Stainless steel bracket for BOL LED range	Sold Separately	261
JB2/JB4/JB6	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464
WCR 275 BLACK	2-core rubber cable	Sold Separately	465

Bollard accessories

Get a mounting bracket

When mounting your bollard onto a solid surface get a mounting bracket.

Use a mounting bracket



Product codes

BOL LED BRACKET

Product Code	Description	Construction material	Guarantee
BOL LED BRACKET	Stainless steel bracket for wooden bollard range	Stainless steel (304)	1 year extended warranty
		For full product s _l	pecification visit collingwoodlighting.com
Compatible w	ith		
	BLO1 Page 260		BL03 Page 259

Flexible bollards

Wide choice to suit your application

Adding style and flair to any design scheme, bollards can add depth and dimension to a landscape, creating safer, 24-hour spaces.

Head options

Two broad styles are available to suit the majority of applications. The head options produce divergent lit effects and should be selected with the end result in mind.

General illumination

Ideal for general illumination of an area. The broad spread of light means that it is suitable for illuminating and marking paths, walkways as well as general area lighting.

BOL10



BOL₂₀



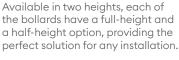
Low glare

The low glare design has minimal upwards spill-light beyond 90°, maximising the efficiency of the lit effect and increasing visual comfort.

BOL30



Height options







Full-height

A more prominent option that is tall enough to provide light over obstacles such as shrubbery.

Root mount

The root mounting kit is ideal for when a bollard is mounted into concrete. They simply attach to the bottom and anchor the bollard into place.



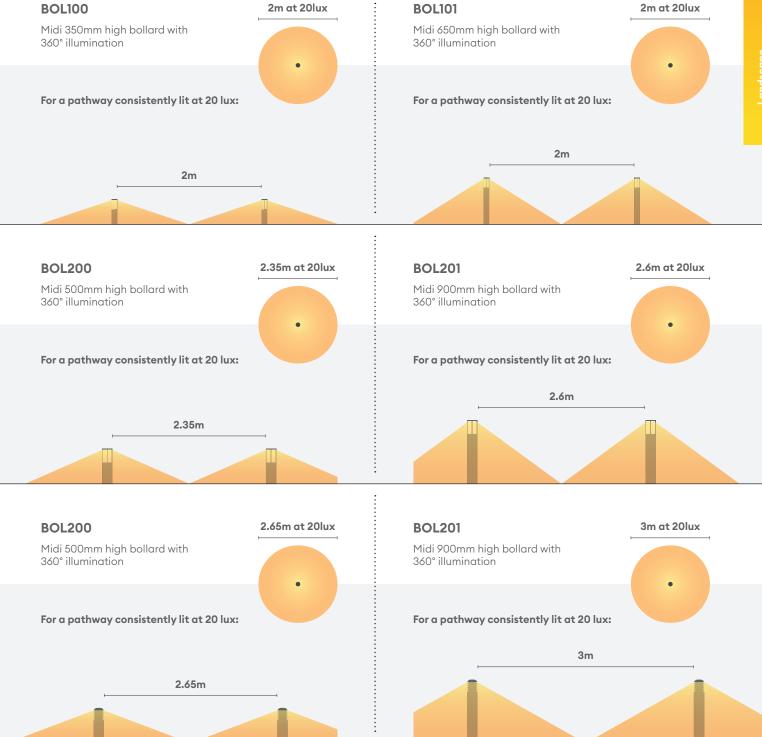
Straight to mains

The integral driver means that mains connections can be made inside the body of the bollard, quickly and simply. The screw terminal block clearly labels Live and Neutral, with provision for Earth.



Bollard light distribution

The three bollard families have a different distribution of light according to their different styles, and is also affected by the bollard height. See below for a handy overview of the spacing between the bollards in order to achieve a consistent light level of 20lux, perfect for a typical pathway.



Bollards



11W



IP54 ideal for walk ways and step lighting



Benefiting from light all round with a 360° beam angle

Guarantee

5 years

Features & benefits

Straight to mains screw terminals

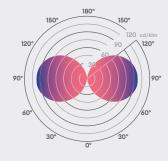
Ideal for residential landscape projects, such as lighting low level shrubs

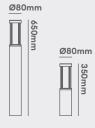
Ideal to light up car parking spaces and driveways

High lumen output of 610lm

Great for soft illumination onto stone paths

Beam angle: 360°









BOL100 Midi Post Light Straight to mains IP54, 610Im post light

Features

IK rating	IK04
IP rating	IP54
CSP switchable	Single CCT
Input	220-240V 50/60Hz
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	4 SDCM

Installation information

Inrush current	20A
Construction material	Aluminium / PVC
Suitable for coastal areas	No
Weight	BOL100: 1.2kg BOL101: 1.5Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	Height	W	ССТ	△ :	lm	lm/W	Energy
BOL100X30	Black RAL9011	350mm	11W	3000K	360°	610	55	A F
BOL101X30	Black RAL9011	650mm	11W	3000K	360°	610	55	F

Wiring information

Cable required for connector	3x 1.0mm ²
Type of wiring required	Parallel

JB5	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464





BOL200 Midi Bollard

Straight to mains, IP65, 930lm bollard

Features

IK rating	IK04
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V 50/60Hz
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	4 SDCM

Installation information

Inrush current	20A 0.5ms
Construction material	Aluminium / PVC
Suitable for coastal areas	No
Weight	BOL200: 2.6Kg BOL201: 4.4Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.2mA

Photometrics @ 25°C

Product code	Finish	Height	W	сст	\^\c	lm	lm/W	Energy
BOL200X30	Black RAL9011	500mm	23W	3000K	360°	930	40	A E
BOL201X30	Black RAL9011	900mm	23W	3000K	360°	930	40	A E

Wiring information

Cable required for connector	3x1.0mm²
Type of wiring required	Parallel

Accessories

JB5	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464

Bollards



23W



IP65 ideal for car parks and walk ways



Benefiting from light all round with a 360° beam angle

Guarantee

5 years

Features & benefits

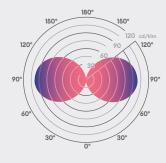
Straight to mains screw terminals

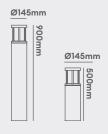
Frosted window effect at the top

Low glare illumination, ideal for pathways, boundary marking, or general illumination of exterior spaces

High lumen output of 930lm

Beam angle: 360°





Bollards



23W



IP65 ideal for car parks and walk ways



Benefiting from light all round with a 360° beam angle

Guarantee

5 years

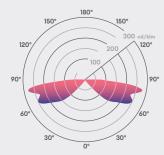
Features & benefits

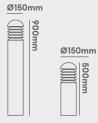
Straight to mains screw terminals

Domed top for a low glare finish, and a minimum up spill of light making it comfortable on the eye

IK08 rated

Beam angle: 360°







BOL300 Midi Bollard

Straight to mains, IP65, 500lm bollard

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V 50/60Hz
LED lifetime	30,000h L70
CRI	80 Ra
SDCM	4 SDCM

Installation information

Inrush current	20A 0.5ms
Construction material	Aluminium / PVC
Suitable for coastal areas	No
Weight	BOL300: 2.9Kg BOL301: 4.6Kg
Maximum ambient temperature	40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.2mA

Photometrics @ 25°C

Product code	Finish	Height	W	сст	\^\c	lm	lm/W	Energy
BOL300X30	Black RAL9011	500mm	23W	3000K	360°	500	22	A E
BOL301X30	Black RAL9011	900mm	23W	3000K	360°	500	22	ÊE

Wiring information

Cable required for connector	3x 1.0mm²
Type of wiring required	Parallel

IDE	\\\\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\-\	C-1-1 C	474
JB5	Waterproof junction box / Gel filled waterproof connectors	Sold Separately	464



LUXI 650

Straight to mains bollard

Features

IK rating	IK06
IP rating	IP54
CSP switchable	Single CCT
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	6 SDCM

Installation information

Inrush current	N/A
Construction material	Cast Aluminium
Suitable for coastal areas	No
Weight	2.000
Maximum ambient temperature	-20°C to +40°C
SELV	No
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	сст	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy
OU13824	Anthracite grey RAL7016	7W	3000K	30°	660	68	å F

Wiring information

Cable / flying lead	cable diameter for connection 12mm
Type of wiring required	Parallel

Accessories

N/A No accessories required

Bollards



7W



IP54 ideal for walk ways and step lighting



CRI 80 providing true colour appearance

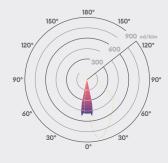
Guarantee

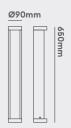
3 years

Features & benefits

IKO6 for robust impact protection Great for soft illumination onto stone paths

Beam angle: 30°





Bollards



7W



IP54 ideal for walk ways and step lighting



CRI 80 providing true colour appearance

Guarantee

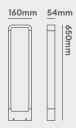
3 years

Features & benefits

IK08 for robust impact protection Great for soft illumination onto stone paths

Beam angle: 90°







LUXI 54

Rectangular terminal bollard

Features

IK rating	IK08
IP rating	IP54
CSP switchable	Single CCT
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	6 SDCM

Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	No
Weight	2.130
Maximum ambient temperature	-20°C to +40°C
SELV	No
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	w	ССТ	△ °	lm	lm/W	Energy
OU13624	Anthracite grey RAL7016	7W	3000K	90°	750	75	Å F

Wiring information

Cable / flying lead	cable diameter for connection 12mm
Type of wiring required	Parallel

Accessories

N/A No accessories required



Uplights

To create exceptionally lit environments

In architecture, the façade of a building is the first place a visitor will see, and sets the tone for the rest of the building. Captivate passers-by with a mesmerising wash of light over any beautiful structure.

Choosing the right beam angle

Our uplighting range is ideal for creating an array of effects; whether you are adding grandeur to buildings, highlighting intricate architectural features or drawing guests to an entrance, we have a solution for many applications.

60° beam

This wide beam is perfect for creating a wash of light on flat surfaces or to illuminate surfaces from further away.

30° beam

Some architectural features require mid-level lighting and the 30° beam is perfect for this, allowing a swathe of light to be cast across a dedicated area.

25x35° beam

Choose the asymmetric 25x35° beam for a more directed beam of light, perfect for walls and entrances.







Choosing the ideal size and output

Diagrams shown are Mains 50lux @ m (3000K) 50 lux @ 10.2m 10.1m 14.6m 9.2m 14.7m 30° 60° 20x35° 30° 60° 20x35° 16 14 12 10 8 6 4 2 0 90 60 30 mm Volta 500mm Volta 500mm Volta 1000mm Volta 1000mm Volta 500mm Volta 1000mm

Quick and easy installation

Flexible installation

The maximum distance between products using fly leads is 330mm. if you require further space between products, Volta is supplied with two additional connectors, male and female to allow flexibilty to increase distance between fittings at installation. additional cables not supplied.



Adjustable brackets

Fully flexible first-fix bracket. Slides at each end of the product and can be attached anywhere.



IP65

Built for the toughest of environments

High water and dust resistance. Durable and versatile, the Volta uplights are IP65 rated and are suitable for outdoors.



7 year warranty

Offering a seven-year warranty, so you can be assured of our commitment to quality.



Coastal protection

Rust & salt mist protection

With corrosion resistant protection and coastal protective paint, our floodlights are perfect for use in coastal areas.

Advantages

- Feel confident you can install these uplights anywhere.
- Can be installed into coastal areas without any worry of products failing.





Uplights



21W



IP65 ideal for outdoor environments



Suitable for use in coastal applications

Guarantee

7 years

Features & benefits

Plug and play through-wire install

Supplied with waterproof connectors for fast install

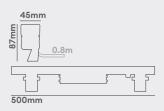
3000K and 2700K range with choice of 2000 or 4200 lumen

Narrow beam 30°, Wide beam 60° or Asymmetrical 20x35°

Also available in 1000mm

Beam angle: 30°, 60°, 20x35°







Volta 500mm

Wall washing light bar

Features

IK rating	IK04
IP rating	IP65
CSP switchable	Single CCT
Tiltable	180°
Dimmable	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	0.56A 18.8ms
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	1.4kg
Maximum ambient temperature	50°C
SELV	Yes
Electric class (1, 2, 3)	2
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
LL500AT27	Silver	21W	2700K	20x35°	2000	95	A E
LL500AT30	Silver	21W	3000K	20x35°	2000	95	A E
LL500MT27	Silver	21W	2700K	30°	2000	95	A E
LL500MT30	Silver	21W	3000K	30°	2000	95	A E
LL500WT27	Silver	21W	2700K	60°	2000	95	å E
LL500WT30	Silver	21W	3000K	60°	2000	95	å E

Wiring information

Cable / flying lead	0.8m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

N/A	No accessories required
, ,	110 000000110010401100







Volta 1000mm

Wall washing light bar

Features

IK rating	IK04
IP rating	IP65
CSP switchable	Single CCT
Tiltable	Yes
Dimmable	Yes (Mains)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Inrush current	15A ≤10µs
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	2.5kg
Maximum ambient temperature	50°C
SELV	Yes
Electric class (1, 2, 3)	2
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	w	ССТ	△ :	lm	lm/W	Energy
LL1000AT27	Silver	40W	2700K	20x35°	4200	105	
LL1000AT30	Silver	40W	3000K	20x35°	4200	105	â D
LL1000MT27	Silver	40W	2700K	30°	4200	105	â D
LL1000MT30	Silver	40W	3000K	30°	4200	105	â D
LL1000WT27	Silver	40W	2700K	60°	4200	105	A D
LL1000WT30	Silver	40W	3000K	60°	4200	105	A D

Wiring information

Cable / flying lead	0.8m (H05RN-F) rubberised cable (outside diameter: 7mm)
Type of wiring required	Parallel

Accessories

N/A	No accessories required
11/7	140 decessories required

Uplights



40W



IP65 ideal for outdoor environments



Suitable for use in coastal applications

Guarantee

7 years

Features & benefits

Plug and play through-wire install

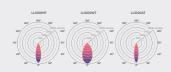
Supplied with waterproof connectors for fast install

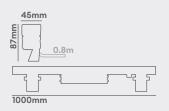
3000K and 2700K range with choice of 2000 or 4200 lumen output

Narrow beam 30°, Wide beam 60° or Asymmetrical 20x35°

Also available in 500mm

Beam angle: 30°, 60°, 20x35°





Bulkheads & Wall lights

Bulkhead lighting is a functional, and simple light that offers a solution to the requirement of lighting indoor communal spaces such corridors and stairways. They can be used in residential, commercial or industrial settings and can be attached to walls and ceilings. In addition to indoor use, this IP65 rated product is also ideal for use outdoors, whether it is for lighting pathways, car parks or highly-trafficked public areas.

Adding extra efficiency and security, our bulkheads can be purchased with microwave sensors which activate when motion is detected, ensuring appropriate illumination and conserving energy by only lighting when required. This dynamic product is also available in Collingwood's emergency pack service, wherein the lights have already been pre-wired, providing a flexible solution and peace of mind, ultimately reducing installation time.



Bulkheads

Functional illumination

Ideal for exteriors and illuminating large outdoor spaces. This versatile product is also suitable for internal stairwells and where there is a requirement for well lit spaces by a high output luminaire.

Bulkheads

CCT switchable: one light, three CCT temperatures

Our range of colour switchable bulkheads allows you to stock 3 colour temperatures in 1 product (3000K, 4000K & 6500K).

Advantages

- Simpler product range.
- Products can be adjusted after they are installed.

3000K



4000K



6500K



Lumen switchable: one light, two lumen outputs

Our range of lumen switchable bulkhead allows you to stock 2 lumen outputs in 1 product.

Advantages

- Simpler product range.
- Products can be adjusted after they are installed.

Lower output



Higher output



Quick & easy installation

All our bulkheads come with push-fit terminals for quick & easy installation.

Advantages

• Quick and easy to wire up.

The WL94 and WL95 come with push-fit terminals.

The WL94 comes with a removable twist and lock panel for easy access.





The WL94 comes with a detachable bracket for quick and easy installation.

Advantages

• Easier to install. Attach small bracket onto the wall and easily clip the bulkhead onto the bracket afterwards.

Simply push the quick release button to detach the bracket.

You can mount the bracket to the surface and then easily attach the bulkhead.



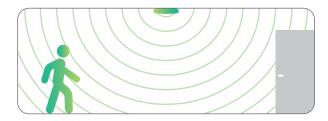


Microwave step-dim sensor

The sensor detects movement from up to 6 meters away and allows the user to set up two step-dim parameters, reducing the light output during stand-by period, saving energy whilst maintaining ambient illuminance for a prolonged period, until turns off, offering full control of the luminaire light output and the time it is on.

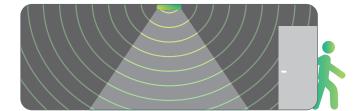
Sufficent daylight

With sufficent daylight, even when movement detected, light remains off.



Hold time

After last detection, light will be dimmed down to stand-by dimming level.



Insufficent daylight

With insufficent daylight, when movement detected, light turns on.



Stand-by period

After stand-by dimming level period, light turns off.



Plank wall lights

Commercial artitectural wall light, available in single or bi-directional lighting options.

IK10 & IP20

High impact resistance. IP20 rated and are suitable for indoor.





CRI 90Ra

High colour rendering 90CRI chips are close to natural sunlight and bring out the true representation of colours under artificial light.



5 year warranty

Offering a five-year warranty, so you can be assured of our commitment to quality.



Light source

Single or Bi-directional options

Single



Bi-directional



Bulkheads



CCT switchable between 3000K, 4000K & 6500K



Quick and easy installation bracket



Emergency option available

Guarantee

3 years

Features & benefits

High efficacy of 1111m/W

IP44 rating: suitable for use in kitchens and bathrooms.

Diffuser design makes a halo effect

Easy access push fit terminals

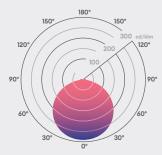
Innovative clip-on bracket design

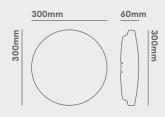
Straight to mains

Microwave step-dim dusk-dawn sensor, which is programmable by dip switches, saving energy by having it on only when needed

Flicker free, resulting in a more comfortable setting

Beam angle: 120°







WL94 10W

IP44 LED slim decorative Bulkhead

Features

IK rating	IK07
IP rating	IP44
CSP switchable	Switchable CCT
Sensor option	Microwave (Step-Dim)
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	35,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	4 ways, push-fit
Bathroom zone	2
Inrush current	13.5A 100µs
Construction material	Polycarbonate galvanized steel bracket
Weight	830g
Maximum ambient temperature	-20° to 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Туре	Finish	W	Colour	\^\c	lm	lm/W	Energy
				3000K	120°	1000	100	
WL9410CCS	Emergency Microwave sensor	White	10W	4000K	120°	1100	110	A D
				6500K	120°	1100	110	
				3000K	120°	1000	100	
WL9410ECS	Emergency	White	10W	4000K	120°	1100	110	Å E
				6500K	120°	1100	110	
			nite 10W	3000K	120°	1000	100	
WL9410MCS	WL9410MCS Microwave sensor	White		4000K	120°	1100	110	A D
				6500K	120°	1100	110	
WL9410SCS			10W	3000K	120°	1000	100	
	Standard	White		4000K	120°	1100	110	ě E
				6500K	120°	1100	110	

Wiring information

Cable / flying lead	Push-fit terminals 1.5mm² max.
Type of wiring required	Parallel

N/A	No accessories required









WL94 18W

IP44 LED slim decorative Bulkhead

Features

IK rating	IK08
IP rating	IP44
CSP switchable	Switchable CCT
Sensor option	Microwave (Step-Dim)
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	35,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	4 ways, push-fit
Bathroom zone	2
Inrush current	11A 110µs
Construction material	Polycarbonate galvanized steel bracket
Weight	830g
Maximum ambient temperature	-20° to 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

			Colour	<i>△</i> °	lm	lm/W	Energy
			3000K	120°	1800	100	
WL9418CCS Emergency Microwave se	ensor White	18W	4000K	120°	2000	111	A D
			6500K	120°	2000	111	
			3000K	120°	1800	100	
WL9418ECS Emergency	White	18W	4000K	120°	2000	111	å E
			6500K	120°	2000	111	
			3000K	120°	1800	100	
WL9418MCS Microwave se	ensor White	18W	4000K	120°	2000	111	A D
			6500K	120°	2000	111	
			3000K	120°	1800	100	
WL9418SCS Standard	White	18W	4000K	120°	2000	111	4 E
			6500K	120°	2000	111	

Wiring information

Cable / flying lead	Push-fit terminals 1.5mm² max.
Type of wiring required	Parallel

Accessories

N/A No accessories required

Bulkheads



CCT switchable between 3000K, 4000K & 6500K



Quick and easy installation bracket



Emergency option available

Guarantee

3 years

Features & benefits

High efficacy of 1111m/W

IP44 rating: suitable for use in kitchens and bathrooms.

Diffuser design makes a halo effect

Easy access push fit terminals

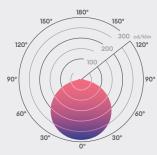
Innovative clip-on bracket design

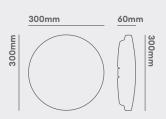
Straight to mains

Microwave step-dim dusk-dawn sensor, which is programmable by dip switches, saving energy by having it on only when needed

Flicker free, resulting in a more comfortable setting

Beam angle: 120°





Bulkheads



CCT switchable between 3000K, 4000K & 6500K



Wattage switchable between 10W & 15W



Emergency option available

Guarantee

3 years

Features & benefits

Slimline design

Multiple mounting options: BESA box, M20 conduit, cable glands

IP65 rated, making it perfect for using outdoors

High efficacy of 120lm/W

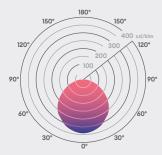
Multiple black bezel options available

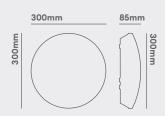
Easy access push fit screwless

Microwave step-dim dusk-dawn sensor, which is programmable by dip switches, saving energy by having it on only when needed

Flicker free, resulting in a more comfortable setting

Beam angle: 115°









WL95 White 10-15W

IP65 CCT & wattage switchable bulkhead with white housing & conduit entries

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave (Step-Dim)
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	35,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	4 ways, push-fit
Bathroom zone	2
Inrush current	10A 50μs
Construction material	ABS housing PC diffuser
Weight	1,130g
Maximum ambient temperature	-20° to 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Туре	Finish	W	Colour	\hat{\circ}	lm	lm/W	Energy
				3000K	115°	1100	110	
WL9515CCS	Emergency Microwave sensor	White	10W	4000K	115°	1200	120	A D
	, morewaye conser		6500K	115°	1200	120		
				3000K	115°	1100	110	
WL9515ECS	Emergency	White	re 10W	4000K	115°	1200	120	â D
				6500K	115°	1200	120	
				3000K	115°	1100	110	
WL9515MCS	Microwave sensor	White	10W	4000K	115°	1200	120	A D
			6500K	115°	1200	120		
WL9515SCS Standard		10W	3000K	115°	1100	110		
	White		4000K	115°	1200	120	A D	
			6500K	115°	1200	120		

Wiring information

Cable / flying lead	Push-fit terminals, 1.5mm² max, loop-in/loop-out.
Type of wiring required	Parallel

WL95BEW	White Eyelid Accessory	Sold Separately	284





WL95 White 18-27W

IP65 CCT & wattage switchable bulkhead with white housing & conduit entries

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave (Step-Dim)
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	35,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	4 ways, push-fit
Bathroom zone	2
Inrush current	10A 50μs
Construction material	ABS housing PC diffuser
Weight	1,140g
Maximum ambient temperature	-20° to 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Туре	Finish	W	Colour	\text{\text{\$\circ}}	lm	lm/W	Energy
				3000K	115°	1650	110	
WL9527CCS	Emergency Microwave sensor	White	15W	4000K	115°	1750	116	A D
				6500K	115°	1750	116	
				3000K	115°	2100	116	
WL9527ECS	Emergency	White	18W	4000K	115°	2150	119	A D
			6500K	115°	2150	119		
				3000K	115°	1650	110	
WL9527MCS	Microwave sensor	White	15W	4000K	115°	1750	116	A D
		6500K	115°	1750	116			
				3000K	115°	2100	116	
WL9527SCS	WL9527SCS Standard W	White	18W	4000K	115°	2150	119	A D
				6500K	115°	2150	119	

Wiring information

Cable / flying lead	Push-fit terminals, 1.5mm² max, loop-in/loop-out.
Type of wiring required	Parallel

Accessories

|--|

Bulkheads



CCT switchable between 3000K, 4000K & 6500K



Wattage switchable between 18W & 27W



Emergency option available

Guarantee

3 years

Features & benefits

Slimline design

Multiple mounting options: BESA box, M20 conduit, cable glands

IP65 rated, making it perfect for using outdoors

High efficacy of 120lm/W

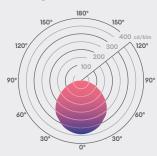
Multiple black bezel options available

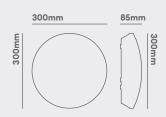
Easy access push fit screwless

Microwave step-dim dusk-dawn sensor, which is programmable by dip switches, saving energy by having it on only when needed

Flicker free, resulting in a more comfortable setting

Beam angle: 115°





Bulkheads & Wall lights



CCT switchable between 3000K, 4000K & 6500K



Wattage switchable between 10W & 15W



Emergency option available

Guarantee

3 years

Features & benefits

Slimline design

Multiple mounting options: BESA box, M20 conduit, cable glands

IP65 rated, making it perfect for using outdoors

High efficacy of 120lm/W

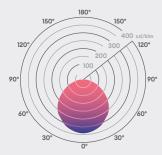
Multiple black bezel options

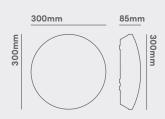
Easy access push fit screwless terminals

Microwave step-dim dusk-dawn sensor, which is programmable by dip switches, saving energy by having it on only when needed

Flicker free, resulting in a more comfortable setting

Beam angle: 115°









WL95 Black 10-15W

IP65 CCT & wattage switchable bulkhead with black housing & conduit entries

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave (Step-Dim)
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	35,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	4 ways, push-fit
Bathroom zone	2
Inrush current	10A 50µs
Construction material	ABS housing PC diffuser
Weight	1,130g
Maximum ambient temperature	-20° to 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Туре	Finish	W	Colour	\text{\text{\$\circ}}	lm	lm/W	Energy
				3000K	115°	1100	110	
WL9515CCSB	Emergency Microwave sensor	Black	10W	4000K	115°	1200	120	A D
				6500K	115°	1200	120	
				3000K	115°	1100	110	
WL9515ECSB	Emergency	Black	10W	4000K	115°	1200	120	
				6500K	115°	1200	120	
			ack 10W	3000K	115°	1100	110	
WL9515MCSB	Microwave sensor	Black		4000K	115°	1200	120	A D
				6500K	115°	1200	120	
				3000K	115°	1100	110	
WL9515SCSB	Standard	Black	Black 10W	4000K	115°	1200	120	
				6500K	115°	1200	120	

Wiring information

Cable / flying lead	Push-fit terminals, 1.5mm² max, loop-in/loop-out.
Type of wiring required	Parallel

WL95BE	Black Eyelid Accessory	Sold Separately	284
WL95BG	Black Grille Accessory	Sold Separately	284



WL95 Black 18-27W

IP65 CCT & wattage switchable bulkhead with black housing & conduit entries

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave (Step-Dim)
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	35,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	4 ways, push-fit
Bathroom zone	2
Inrush current	10A 50μs
Construction material	ABS housing PC diffuser
Weight	1,140g
Maximum ambient temperature	-20° to 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Туре	Finish	W	Colour	△ °	lm	lm/W	Energy
WL9527CCSB		Black	15W	3000K	115°	1650	110	
	Emergency Microwave sensor			4000K	115°	1750	116	A D
				6500K	115°	1750	116	
				3000K	115°	2100	116	
WL9527ECSB	Emergency	Black	18W	4000K	115°	2150	119	
				6500K	115°	2150	119	
				3000K	115°	1650	110	
WL9527MCSB	Microwave sensor	Black	Black 15W	4000K	115°	1750	116	A D
				6500K	115°	1750	116	
				3000K	115°	2100	116	
WL9527SCSB	Standard	Black	18W	4000K	115°	2150	119	A D
				6500K	115°	2150	119	

Wiring information

Cable / flying lead	Push-fit terminals, 1.5mm² max, loop-in/loop-out.
Type of wiring required	Parallel

Accessories

WL95BE	Black Eyelid Accessory	Sold Separately	284
WL95BG	Black Grille Accessory	Sold Separately	284

Bulkheads & Wall lights



CCT switchable between 3000K, 4000K & 6500K



Wattage switchable between 18W & 27W



Emergency option available

Guarantee

3 years

Features & benefits

Slimline design

Multiple mounting options: BESA box, M20 conduit, cable glands

IP65 rated, making it perfect for using outdoors

High efficacy of 120lm/W

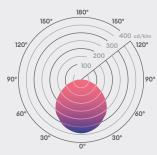
Multiple black bezel options available

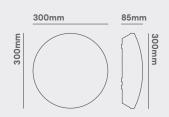
Easy access push fit screwless terminals

Microwave step-dim dusk-dawn sensor, which is programmable by dip switches, saving energy by having it on only when needed

Flicker free, resulting in a more comfortable setting

Beam angle: 115°





Bulkhead accessories

Choose the ideal fascia for your bulkhead

Create the look and lit effect you need for your installation.

Choose the fascia



Product codes

Product Code	Finish	Description	Guarantee
WL95BEW	White	WL95 Bulkhead Accessory - White Eyelid	3 years
WL95BE	Black	WL95 Bulkhead Accessory - Black Eyelid	3 years
WL95BG	Black	WL95 Bulkhead Accessory - Black Grille	3 years

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with

	WL94 Page 278-279	WL95 Page 280-283
WL95BEW		•
WL95BE		•
WL95BG		•



Bulkheads & Wall lights



IK10 for a robust protection



Perfect for internal applications



CRI 90 providing true colour appearance

Guarantee

5 years

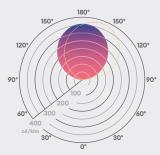
Features & benefits

Suitable for use in sport centres, gyms or halls

Integral emergency option available for 600mm variant on request

Also available in Black on request

Beam angle: 110°



300mm	600mm	
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		- C
		mm



PLANK 1

Decorative wall light providing uplight

Features

IP rating	IP20
CSP switchable	Single CCT
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	90 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	N/A
Inrush current	10A
Construction material	Aluminium
Weight	0.779kg
Maximum ambient temperature	-10°C to +30°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	Туре	W	ССТ	△ °	lm	lm/W	Energy
PK30/1A/3K/W	Matt white	300mm	20W	3000K	110°	1760	91	A E
PK30/1A/4K/W	Matt white	300mm	20W	4000K	110°	1910	97	Å E
PK60/1A/3K/W	Matt white	600mm	40W	3000K	110°	3775	92	Å E
PK60/1A/4K/W	Matt white	600mm	40W	4000K	110°	4090	100	Å E

Wiring information

Cable / flying lead	0.75-1.5mm2
Type of wiring required	Parallel

Accessories

N/A No accessories required





PLANK 2

Decorative wall light providing up and downlight

Features

IP rating	IP20
CSP switchable	Single CCT
Dimmable option	Yes
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	90 Ra
SDCM	3 SDCM

Installation information

Bathroom zone	N/A
Inrush current	10A
Construction material	Aluminium
Weight	0.846kg
Maximum ambient temperature	-10°C to +30°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	Туре	W	ССТ	△ °	lm	lm/W	Energy
PK30/2A/3K/W	Matt white	300mm	2x16W	3000K	110°	2x1105	93	A E
PK30/2A/4K/W	Matt white	300mm	2x16W	4000K	110°	2x1200	98	D
PK60/2A/3K/W	Matt white	600mm	2x32W	3000K	110°	2x2820	99	A E
PK60/2A/4K/W	Matt white	600mm	2x32W	4000K	110°	2x3055	101	â D

Wiring information

Cable / flying lead	0.75-1.5mm2
Type of wiring required	Parallel

Accessories

N/A No accessories required

Bulkheads & Wall lights



IK10 for a robust protection



Perfect for internal applications



CRI 90 providing true colour appearance

Guarantee

5 years

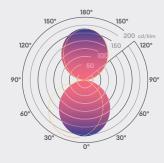
Features & benefits

Suitable for use in sport centres, gyms or halls

Integral emergency option available for 600mm variant on

Also available in Black on request

Beam angle: 110°





Commercial

Used in offices, hospitals and retail outlets, commercial lighting has to be functional, durable and serve the appropriate purposes. Consider the illumination of the space and the lux levels required. Consuming less power and having a much greater operating life than that of its more traditional competitors, LED lighting is being quickly adopted in this sector and rapidly proving numerous benefits.

Lighting in commercial spaces can have a huge impact on productivity, morale and basic health and safety. Fitting the correct lighting is massively important in creating a safe and comfortable working environment for all occupants. Not only can LED lighting offer financial, environmental and health benefits, it also allows a space to be controlled easily with the use of dimmers, sensors and smartphone devices. Collingwood's range of commercial lighting caters for all environments and is the ideal solution for your installation.



Commercial downlights

Thea Pro

Ultra efficient commercial downlights suitable for countless applications such as office buildings, hospitals and hotels.

High efficacy and savings

Delivering up to 142lm/W to provide you with fast payback periods when retro-fitting your existing lighting to be more energy efficient lighting.

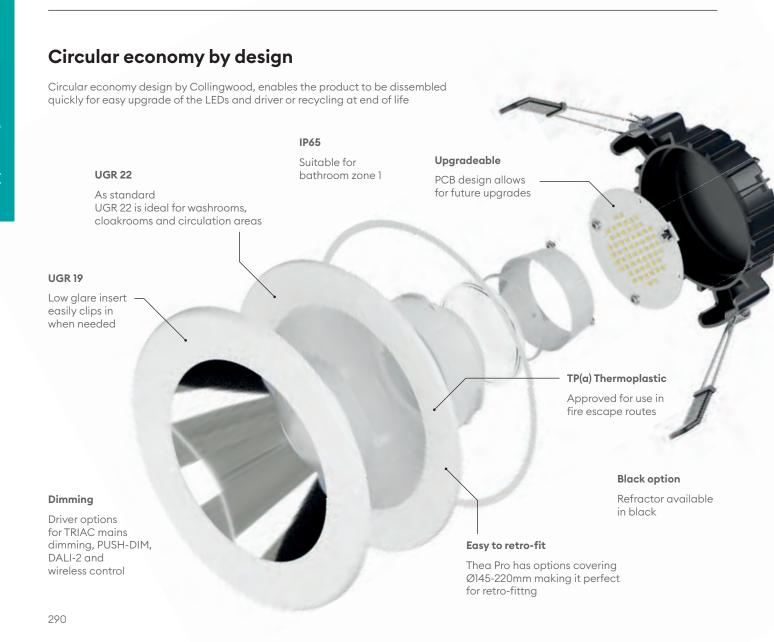
The table below shows an example of the costs savings which can be achieved:

Energy rate £/kWh: £0.37	Existing fitting	Our fitting
Average lamp life	12,000 hours	54,000 hours
Quantity of fittings	100	100
Watts per fitting	2 x 26W	14W
Energy £/Year	£9,461	£5,256
Energy savings £/Year	-	£4,804
Energy savings over 5 years	-	£24,020

Energy rating B

Uses the very latest LED technology to reduce energy costs.





Thea Lite

Our range of commercial downlights are suitable for countless applications such as office buildings, hospitals and hotels.

CCT switchable

Easily switch between three colour temperatures by using a conveniently located switch on the integral cable.

3000K



4000K



6500K



IP54

IP54 rating, allowing for installation near areas with water, such as bathrooms or water features.



Dimming options

As each installation is unique and has individual requirements, choose between mains, DALI or 1-10V dimming options.



If your product has an integrated mains dimmable driver, no separate driver is required. This is classed as a 'straight to mains' product.



A DALI system can be structured in a way which allows LEDs to respond to certain rooms or zones. Each LED in the same zone will dim an equal amount.



The 1-10V system allows all the LEDs which are connected to the 1-10V driver dim to an equal amount. Up to 10 power supplies can be linked to one dimmer for dimming multiple fittings.

5 year warranty

Offering a five-year warranty, so you can be assured of our commitment to quality.



Emergency pack option

In the event of a power outage, your emergency lighting system will illuminate a safe evacuation route from commercial and high occupancy buildings such as office spaces, hospitals and hotels. The LEDEP10 plug & play emergency pack can be used with each product in the range offering a flexible solution to complement any lighting scheme.

Commercial Downlights



Highly efficient 142 Llm/W ensures low running costs



IP65 protected as standard against water jets, suitable for bathroom zone 1



UGR19 compliant low glare lighting when insert is used

Guarantee

5 years (product), 3 years (emergency)

Features & benefits

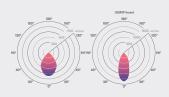
Circular economy design by Collingwood, enables the product to be dissembled quickly for easy upgrade of the LEDs and driver or recycling at end of life

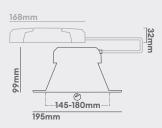
TP(a) Thermoplastic

850° Glow Wire Test

2-part first/second fix connector available on request for easy maintenance

Beam angle: 80°







Thea Pro 145-180mm

High Performance UGR19 (using insert accessory) Downlight

Features

IP rating	IP65
CSP switchable	Single CCT
UGR	>22 (as std) <19 (with insert)
Sensor option	On Request
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V 50/60Hz
LED lifetime	80,000h L80
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Insulation coverable	Luminaire: yes Driver: no
Cut out size	145-180mm
Inrush current	THP1N: 6.8A 0.3ms THP1X: 3.5A 0.16ms
Construction material	ADC12 Aluminium Housing, Polycarbonate+PET Diffuser, TP(a) Thermoplastic
TP rating	TP(a)
Weight	0.44
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	Dimming	Driver required	W	ССТ	△ °	lm	lm/W	Energy
THPIN	White RAL9003	On-Off	Driver Included	10W	4000K	80°	1400	140	
THP1X	White RAL9003	Dimmable	Driver Excluded Use THPIDD	10W	4000K	80°	1400	140	A B

Wiring information

Cable / flying lead	0.75-2.5mm ²
Type of wiring required	Parallel

THP12UGR	Thea Pro, UGR19 Insert, THP1 + THP2	Sold Separately	296
THP1DD	Thea Pro, DALI-2/PUSH-DIM Driver, THP1	Sold Separately	297
THP23DD	Thea Pro, DALI-2/PUSH-DIM Driver, THP2 + THP3	Sold Separately	297
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	367
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	368
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) Im	Sold Separately	365



Thea Pro 145-180mm

High Performance UGR19 (using insert accessory) Downlight

Features

IP rating	IP65
CSP switchable	Single CCT
UGR	>22 (as std) <19 (with insert)
Sensor option	On Request
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V 50/60Hz
LED lifetime	80,000h L80
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Insulation coverable	Luminaire: yes Driver: no
Cut out size	145-180mm
Inrush current	THP2N: 6.9A 0.3ms THP1X: 5A 0.08ms
Construction material	ADC12 Aluminium Housing, Polycarbonate+PET Diffuser, TP(a) Thermoplastic
TP rating	TP(a)
Weight	0.44
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	Dimming	Driver required	W	ССТ	△ °	lm	lm/W	Energy
THP2N	White RAL9003	On-Off	Driver Included	14W	4000K	80°	2000	142	Î B
THP2X	White RAL9003	Dimmable	Driver Excluded Use THP23DD	14W	4000K	80°	2000	142	A B

Wiring information

Cable / flying lead	0.75-2.5mm ²
Type of wiring required	Parallel

Accessories

THP12UGR	Thea Pro, UGR19 Insert, THP1 + THP2	Sold Separately	296
THPIDD	Thea Pro, DALI-2/PUSH-DIM Driver, THP1	Sold Separately	297
THP23DD	Thea Pro, DALI-2/PUSH-DIM Driver, THP2 + THP3	Sold Separately	297
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	367
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	368
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) Im	Sold Separately	365
DRV3001050	42W CC Driver, IP20, 300-1050mA	Sold Separately	297

Commercial Downlights



Highly efficient 142 Llm/W ensures low running costs



IP65 protected as standard against water jets, suitable for bathroom zone 1



UGR19 compliant low glare lighting when insert is used

Guarantee

5 years (product), 3 years (emergency)

Features & benefits

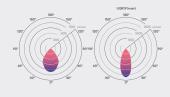
Circular economy design by Collingwood, enables the product to be dissembled quickly for easy upgrade of the LEDs and driver or recycling at end of life

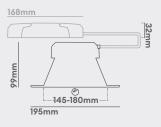
TP(a) Thermoplastic

850° Glow Wire Test

2-part first/second fix connector available on request for easy maintenance

Beam angle: 80°





Commercial Downlights



Highly efficient 142 Llm/W ensures low running costs



IP65 protected as standard against water jets, suitable for bathroom zone 1



UGR19 compliant low glare lighting when insert is used

Guarantee

5 years (product), 3 years (emergency)

Features & benefits

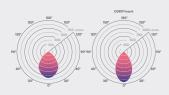
Circular economy design by Collingwood, enables the product to be dissembled quickly for easy upgrade of the LEDs and driver or recycling at end of life

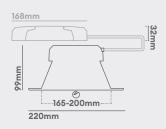
TP(a) Thermoplastic

850° Glow Wire Test

2-part first/second fix connector available on request for easy maintenance

Beam angle: 80°







Thea Pro 165-200mm

High Performance UGR19 (using insert accessory) Downlight

Features

IP rating	IP65
CSP switchable	Single CCT
UGR	>22 (as std) <19 (with insert)
Sensor option	On Request
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V 50/60Hz
LED lifetime	80,000h L80
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Insulation coverable	Luminaire: yes Driver: no
Cut out size	165-200mm
Inrush current	THP3N: 6.9A 0.3ms THP3X: 5A 0.08ms
Construction material	ADC12 Aluminium Housing, Polycarbonate+PET Diffuser, TP(a) Thermoplastic
TP rating	TP(a)
Weight	0.55
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	Dimming	Driver required	w	сст	\text{\text{\$\circ}}	lm	lm/W	Energy
THP3N	White RAL9003	On-Off	Driver Included	14W	4000K	80°	2000	142	A B
ТНРЗХ	White RAL9003	Dimmable	Driver Excluded Use THP23DD	14W	4000K	80°	2000	142	A B

Wiring information

Cable / flying lead	0.75-2.5mm ²
Type of wiring required	Parallel

THP34UGR	Thea Pro, UGR19 Insert, THP3 + THP4	Sold Separately	296
THP23DD	Thea Pro, DALI-2/PUSH-DIM Driver, THP2 + THP3	Sold Separately	297
THP4DD	Thea Pro, DALI-2/PUSH-DIM Driver, THP4	Sold Separately	297
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	367
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	368
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) Im	Sold Separately	365
DRV3001050	42W CC Driver, IP20, 300-1050mA	Sold Separately	297



Thea Pro 165-200mm

High Performance UGR19 (using insert accessory) Downlight

Features

IP rating	IP65
CSP switchable	Single CCT
UGR	>22 (as std) <19 (with insert)
Sensor option	On Request
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V 50/60Hz
LED lifetime	80,000h L80
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Insulation coverable	Luminaire: yes Driver: no
Cut out size	165-200mm
Inrush current	THP4N: 10.5A 0.3ms THP4X: 5A 0.08ms
Construction material	ADC12 Aluminium Housing, Polycarbonate+PET Diffuser, TP(a) Thermoplastic
TP rating	TP(a)
Weight	0.55
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	Dimming	Driver required	W	сст	\hline{\chi}	lm	lm/W	Energy
THP4N	White RAL9003	On-Off	Driver Included	25W	4000K	80°	3500	140	â B
THP4X	White RAL9003	Dimmable	Driver Excluded Use THP4DD	25W	4000K	80°	3500	140	A B

Wiring information

Cable / flying lead	0.75-2.5mm ²
Type of wiring required	Parallel

Accessories

THP34UGR	Thea Pro, UGR19 Insert, THP3 + THP4	Sold Separately	296
THP23DD	Thea Pro, DALI-2/PUSH-DIM Driver, THP4	Sold Separately	297
THP4DD	Thea Pro, DALI-2/PUSH-DIM Driver, THP4	Sold Separately	297
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	367
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	368
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) lm	Sold Separately	365
DRV3001050	42W CC Driver, IP20, 300-1050mA	Sold Separately	297

Commercial Downlights



Highly efficient 142 Llm/W ensures low running costs



IP65 protected as standard against water jets, suitable for bathroom zone 1



UGR19 compliant low glare lighting when insert is used

Guarantee

5 years (product), 3 years (emergency)

Features & benefits

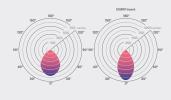
Circular economy design by Collingwood, enables the product to be dissembled quickly for easy upgrade of the LEDs and driver or recycling at end of life

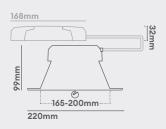
TP(a) Thermoplastic

850° Glow Wire Test

2-part first/second fix connector available on request for easy maintenance

Beam angle: 80°





Thea Pro accessories

Make your downlight perfect for your installation

Reduce the UGR rating of your product with our UGR19 Inserts. Choose a suitable dimming option for your installation with the DALI 2 drivers.

Use the tables below to choose the perfect accessory for your Thea Pro

Thea Pro 145-180mm	THP12UGR	THP12GOLWHI	THP12BLKWHI	THP12BLKBLK	THP12BROBLK	THP12SURKITW	THP12SURKITB
Accessory on it's own	111	(P)					
Accessory on product	T		^				

Product codes

Product Code D	Description Description	Guarantee
THP12UGR	JGR19 Insert for THP1 + THP2	5 years
THP12GOLWHI W	White bezel with gold baffle insert for THP1 + THP2	5 years
THP12BLKWHI	White bezel with black baffle insert for THP1 + THP2	5 years
THP12BLKBLK B	Black bezel with black baffle insert for THP1 + THP2	5 years
THP12BROBLK B	Black bezel with bronze baffle insert for THP1 + THP2	5 years
THP12SURKITW W	White surface mounting kit for THP1 + THP1	5 years
THP12SURKITB B	Black surface mounting kit for THP1 + THP2	5 years
THP34UGR U	JGR19 Insert for THP3 + THP4	5 years
THP34GOLWHI	White bezel with gold baffle insert for THP3 + THP4	5 years
THP34BLKWHI W	White bezel with black baffle insert for THP3 + THP4	5 years
THP34BLKBLK	Black bezel with black baffle insert for THP3 + THP4	5 years
THP34BROBLK B	Black bezel with bronze baffle insert Insert for THP3 + THP4	5 years
THP34SURKITW V	White surface mounting kit for THP3 + THP4	5 years
THP34SURKITB B	Black surface mounting kit for THP3 + THP4	5 years

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with

	Thea Pro THP1N Page 292	Thea Pro THP1X Page 292	Thea Pro THP2N Page 293	Thea Pro THP2X Page 293	Thea Pro THP3N Page 294	Thea Pro THP3X Page 294	Thea Pro THP4N Page 295	Thea Pro THP4X Page 295
THP12UGR								
THP12GOLWHI								
THP12BLKWHI								
THP12BLKBLK								
THP12BROBLK	•							
THP34UGR								
THP34GOLWHI								
THP34BLKWHI								
THP34BLKBLK								
THP34BROBLK								



Drivers & Emergency	THP1DD	THP23DD	THP4DD	DRV3501050	LEDEP10EM	LEDEP10	LEDEP09DA
Drivers & Emergency	Sala.	O. B. S.					

Product codes

Product Code	Description	Guarantee
THP1DD	DALI-2 Driver for THPI	5 years
THP23DD	DALI-2 Driver for THP2 + THP3	5 years
THP4DD	DALI-2 Driver for THP4	5 years
DRV3001050	Constant current driver for THP2 , THP3 + THP4	5 years
LEDEP10EM	Emergency pack for converting Thea Pro into emergency manual-test option	5 year extended guarantee
LEDEP10	Emergency pack for converting Thea Pro into emergency self-test option	5 year extended guarantee
LEDEP09DA	Emergency pack for converting Thea Pro into DALI emergency self-test option	5 years (electronics), 3 years (battery)

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with

	Thea Pro THPIN Page 292	Thea Pro THPIX Page 292	Thea Pro THP2N Page 293	Thea Pro THP2X Page 293	Thea Pro THP3N Page 294	Thea Pro THP3X Page 294	Thea Pro THP4N Page 295	Thea Pro THP4X Page 295
THP1DD	•							
THP23DD								
THP4DD								
DRV300150	•							
LEDEP10EM	•							
LEDEP10	•							
LEDEP09DA	•							

Commercial Downlights



Colour temperature switchable, 3000K-4000K-6000K



Highly efficient up to 120 Llm/W ensures low running costs



Quick and easy installation with plug & play connectors

Guarantee

5 years (product), 3 years (emergency)

Features & benefits

UGR27 compliant for comfortable lighting of washrooms, bathrooms, cloakrooms as well as general circulation and stairs

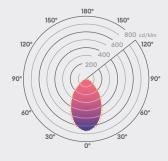
IP54 protection against water splash from any direction

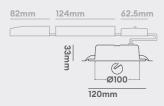
Low 33mm product depth enables product to be used with small ceiling voids

TP(a) Thermoplastic

850° Glow Wire Test

Beam angle: 80°









Thea Lite CSP 100mm

Colour Switchable IP54 Downlight

Features

IP rating	IP54 (from below) IP20 (from above)
CSP switchable	Switchable CCT
UGR	<27
Sensor option	On Request
Dimmable option	Yes (DALI-2, 0-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Insulation coverable	No
Cut out size	100mm (+8mm/-2mm)
Inrush current	THL_N: 4.2A 0.128ms THL_X: 30A 0.03ms
Construction material	ADC12 Aluminium Housing, Polycarbonate+PET Diffuser, TP(a) Thermoplastic, Silicone Free
TP rating	TP(a)
Weight	0.361
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	<i>△</i> °	lm	lm/W	Energy
				3000K	80°	1100	110	
THL1N	Mains dimmable	White RAL9003	10W	4000K	80°	1200	120	Å C
				6000K	80°	1200	120	
	DALI-2			3000K	80°	1100	110	
THL1X	THL1X / 0-10V /	White RAL9003	10W	4000K	80°	1200	120	A C
	Push-Dim			6000K	80°	1200	120	
		Matt Black RAL9005	10W	3000K	80°	1000	100	
THLB1N	Mains dimmable			4000K	80°	1100	110	â C
	diriiridalio			6000K	80°	1100	110	
	DALI-2		10W	3000K	80°	1000	100	
THLBIX	/0-10V/	Matt Black RAL9005		4000K	80°	1100	110	A C
	Push-Dim			6000K	80°	1100	110	

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

PS250600MA	Power supply, IP20, 13-29W, CC, 250-600mA, DALI-2, 1-10V, Push-Dim	Sold Separately	
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	365
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	366
EMRWMAN	Salvus Route White, Man-Test, 120lm(O) or 130lm(C)	Sold Separately	363
EMRWST	Salvus Route White, Self Test, 120lm(O) or 130lm(C)	Sold Separately	363





Thea Lite CSP 150mm

Colour Switchable IP54 Downlight

Features

IP rating	IP54 (from below) IP20 (from above)
CSP switchable	Switchable CCT
UGR	<25
Sensor option	On Request
Dimmable option	Yes (DALI-2, 0-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Insulation coverable	No
Cut out size	150mm (+8mm/-2mm)
Inrush current	THL_N: 1.4A 0.03ms THL_X: 30A 0.03ms
Construction material	ADC12 Aluminium Housing, Polycarbonate+PET Diffuser, TP(a) Thermoplastic, Silicone Free
TP rating	TP(a)
Weight	0.480
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	<i>^</i> ~	lm	lm/W	Energy
		White RAL9003		3000K	90°	1550	111	
THL2N	Mains dimmable		14W	4000K	90°	1680	120	å B
				6500K	90°	1680	120	
	THL2X DALI-2/ 0-l0V/Push- White I Dim			3000K	90°	1550	111	
THL2X		White RAL9003	14W	4000K	90°	1680	120	A B
				6500K	90°	1680	120	
			3000K	90°	1500	107		
THLB2N	Mains dimmable	Matt Black RAI 9005	14W	4000K	90°	1600	114	â B
	ammadia			6500K	90°	1600	114	
	THLB2X DALI-2/ 0-10V/Push- Matt Black RAL9005 Dim			3000K	90°	1500	107	
THLB2X		Matt Black RAL9005	14W	4000K	90°	1600	114	A B
				6500K	90°	1600	114	

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

Accessories

PS250600MA	Power supply, IP20, 13-29W, CC, 250-600mA, DALI-2, 1-10V, Push-Dim	Sold Separately	
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	365
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	366
EMRWMAN	Salvus Route White, Man-Test, 120lm(O) or 130lm(C)	Sold Separately	363
EMRWST	Salvus Route White, Self Test, 120lm(O) or 130lm(C)	Sold Separately	363

Commercial Downlights



Colour temperature switchable, 3000K-4000K-6500K



Highly efficient up to 120 Llm/W ensures low running costs



Quick and easy installation with plug & play connectors

Guarantee

5 years (product), 3 years (emergency)

Features & benefits

UGR25 compliant for comfortable lighting of washrooms, bathrooms, cloakrooms as well as general circulation and stairs

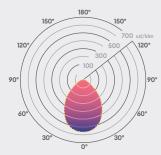
IP54 protection against water splash from any direction

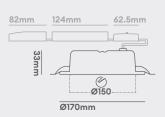
Low 33mm product depth enables product to be used with small ceiling voids

TP(a) Thermoplastic

850° Glow Wire Test

Beam angle: 90°





Commercial Downlights



Colour temperature switchable, 3000K-4000K-6500K



Highly efficient up to 120 Llm/W ensures low running costs



Quick and easy installation with plug & play connectors

Guarantee

5 years (product), 3 years (emergency)

Features & benefits

UGR25 compliant for comfortable lighting of washrooms, bathrooms, cloakrooms as well as general circulation and stairs

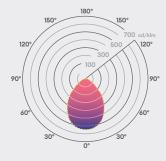
IP54 protection against water splash from any direction

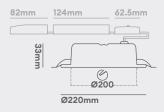
Low 33mm product depth enables product to be used with small ceiling voids

TP(a) Thermoplastic

850° Glow Wire Test

Beam angle: 90°









Thea Lite CSP 200mm

Colour Switchable IP54 Downlight

Features

IP rating	IP54 (from below) IP20 (from above)
CSP switchable	Switchable CCT
UGR	<25
Sensor option	On Request
Dimmable option	Yes (DALI-2, 0-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Insulation coverable	No
Cut out size	200mm (+8mm/-2mm)
Inrush current	THL_N: 2.5A 0.03ms THL_X: 30A 0.03ms
Construction material	ADC12 Aluminium Housing, Polycarbonate+PET Diffuser, TP(a) Thermoplastic, Silicone Free
TP rating	TP(a)
Weight	0.655
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	w	Colour	\?*	lm	lm/W	Energy
				3000K	90°	2200	110	
THL3N	Mains dimmable	White RAL9003	20W	4000K	90°	2400	120	å C
				6500K	90°	2400	120	
	THL3X Dim DALI-2/ 0-10V/Push- White RAL9003 Dim			3000K	90°	2200	110	
THL3X		20W	4000K	90°	2400	120	â C	
				6500K	90°	2400	120	
			3000K	90°	2050	103		
THLB3N	Mains dimmable	Mains Matt Black RAL9005 dimmable	20W	4000K	90°	2250	113	Ĉ C
				6500K	90°	2250	113	
	DALI-2 /	DALI-2 /		3000K	90°	2050	103	
THLB3X	0-10V / Push-	Matt Black RAL9005	20W	4000K	90°	2250	113	(C
	Dim			6500K	90°	2250	113	

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

PS250600MA	Power supply, IP20, 13-29W, CC, 250-600mA, DALI-2, 1-10V, Push-Dim	Sold Separately	
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	365
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	366
EMRWMAN	Salvus Route White, Man-Test, 120lm(O) or 130lm(C)	Sold Separately	363
EMRWST	Salvus Route White, Self Test, 120lm(O) or 130lm(C)	Sold Separately	363
DL801MW	Cut-out converter plate for 20W only	Sold Separately	301

Commercial downlight accessories

Retro-fit your downlight

Use the DL801 to install your downlight into locations with an oversized cut-out.

Retro-fit your downlight



Product codes

Product Code	Description	Guarantee
DL801MW	Hole converter plates for THL3 & THP4 range	1 year guarantee
		For full product specification visit collingwoodlighting.com

Compatible with

	Thea Lite 100mm Page 298	Thea Lite 150mm Page 299	Thea Lite 200mm Page 300	Thea Pro 145-180mm Page 293	Thea Pro 165-200mm Page 294
DL801MW			•		•

Commercial Downlights



Colour switchable between 2700k, 3000k and 4000K



Automatic double terminal block for easy installation



CRI 80 providing true colour appearance

Guarantee

3 year warranty

Features & benefits

3 in 1 fixed round recessed downlight

Fastened with springs

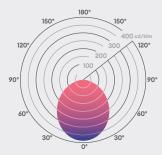
With 90° IR sensor, detection zone max 5m in diameter

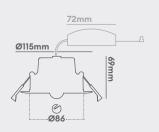
Duration of lighting 3 minutes after detection

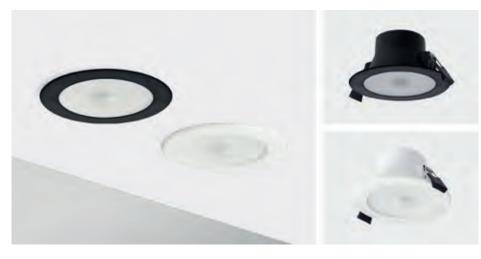
Works only when the luminosity is below 100 Lux

Does not require a converter

Beam angle: 100°







Senso R-230

PIR Downlight

Features

IP rating	IP44 (from below) IP20 (from above)
CSP switchable	Switchable CCT
UGR	>24
Sensor option	PIR
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	No

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Insulation coverable	No
Cut out size	90mm
Bathroom zone	2
Inrush current	3.2A 6ms
Construction material	Nylon/Polystyrene
Maximum ceiling thickness	37 mm
Weight	145g
Maximum ambient temperature	25°C
SELV	Yes
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△ °	lm	lm/W	Energy
DO53605	Switchable CCT Matt black RAL9017			2700K	100°	810	90	
			9W	3000K	100°	900	100	å F
		10 (2) 017		4000K	100°	950	106	
	Switchable CCT White RAL9016			2700K	100°	830	92	
DO53630		9W	3000K	100°	920	102	å F	
				4000K	100°	1000	111	

Wiring information

Cable / flying lead	0.5mm ² - 2.5mm ² 3 core cable for connector
Type of wiring required	Parallel

N/A N	o accessories required





CDL02

Colour and wattage switchable commercial downlight

Features

IP rating	IP44
CSP switchable	Switchable CCT
UGR	27
Sensor option	No
Dimmable option	No
Input	220-240V 50/60Hz
	220 2 10 1 00/ 00/ 12
LED lifetime	50,000h L70
LED lifetime	50,000h L70

Installation information

Install connector type	Flying lead
Insulation coverable	No
Cut out size	120-200mm
Inrush current	12.3A, 0.1ms
Construction material	Lens: acrylic, body: nylon, bracket: steel
Weight	500g
Maximum ambient temperature	40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	w	ССТ	△ :	lm	lm/W	Energy
	Switchable wattage & switchable CCT Matt			3000K	110°	1250	104	
			12W	4000K	110°	1450	120	
CDL0218S		Matt white		6000K	110°	1400	116	Å E
CDLU218S		Matt write	18W	3000K	110°	1650	92	ė =
				4000K	110°	2000	111	
				6000K	110°	1800	100	

Wiring information

Cable / flying lead	Flying lead 2x 0.75mm², 155mm.
Type of wiring required	Parallel

Accessories

N/A	No accessories required	
IN/A	ino accessories required	

Commercial Downlights



Colour switchable between 3000k, 4000K & 6500K



Wattage switchable between 12W & 18W



High efficacy of up to 120lm/W

Guarantee

3 years

Features & benefits

Bracket that fits cut-outs from 120 to 200mm, surface mount and Besa box, ideal for any installation requirements

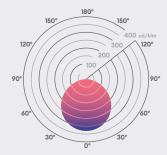
Flicker free, making it comfortable on the eye

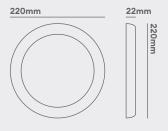
Has a slim profile for an aesthetic finish

IP44 rating makes it suitable for use in kitchens and bathrooms

Tool free twist and lock bracket for ease of installation

Beam angle: 110°





Solis

Panels

The Solis range brings all the benefits of low glare LED technology to a commercial space.

Commercial panels

The addition of LED panels to the Collingwood collection means we can now provide a complete solution for your commercial lighting projects. Available in three different sizes, the new Solis range brings all the benefits of LED lighting to a conventional ceiling panel. Ideal for large open-plan commercial areas such as offices, shops, reception areas, schools and universities. All of our panels are back-lit, available in 30W, 40W and 60W options, and both TP(a) and TP(b) options. With a high efficacy of 110lm/W the Solis panels will provide cost and energy savings.



Panel mounting kits

The surface mount frame is an ideal solution to mount panels in places without suspended ceiling grids and where recessed mounting is not possible. The frame screws easily into the ceiling and the panel will slide into the frame, to finalise the installation, simply snap fit the remaining part of the frame.

The suspension kit allows the panel to be suspended from a ceiling, which is ideal for situations where recessed mounting is not possible. Installation is quick and easy – simply screw one end to the ceiling while the other side loops through the brackets supplied.

Use the tables below to choose the perfect kit for your installation

Which mounting method?	Use with 600 x 600mm panels	Use with 1200 x 300mm panels	Use with 1200 x 600mm panels
Surface mount kit To mount onto a solid surface	P2SMA	P2SMB	P2SMC
Suspension mount kit To suspend from ceiling	PISK	PISK	PISKC

Wattage switchable (Solis Pro)

One light, four wattages

Our range of wattage switchable panels allows you to stock 4 wattages in 1 product.

Advantages

- Simpler product range.
- Products can be easily adjusted after they are installed thanks to a convenient switch on product.
- Always have the correct product on hand.

22W



24W



26W



28W



Dimming options

A choice of four dimming options are available, PushDIM, Mains, DALI-2 or 0-10V.



Available 30W 600x600, 1200x300 panels using EUP30T1HMC0



Available on all panels



Available on all panels



Available on all panels

Constant current driver

With a voltage range from 9 to 52Vdc and 300-1050mA the 42W constant current driver gives you a wide range of flexibiltiy within commercial applications.



Loop-in loop-out

The addition of a two part connector on each panel allows loop in / loop out wiring configurations to simplify the installation process.



Panels



Ultra-low glare UGR16 for office, classroom and retail application



Wattage switchable between 22W, 24W, 25W & 27W



Energy efficient up to 164 Llm/W

Guarantee

5 years (product), 3 years (emg battery), 2 years (on-site)

Features & benefits

Perfect for office, classroom and retail application

Differentiate the look of your space with a high-quality aesthetic

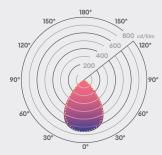
51,000 hours L90 lifetime

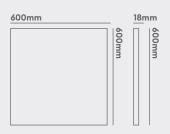
High impact rating of IK08 $\,$

Security cable supplied

RGO (Risk Exempt) Photo-biological Risk

Beam angle: 75°







Domino White

Ultra-low Glare 600x600 Architectural Panel

Features

IK08
IP40
Single CCT
On Request
No
220-240V 50/60Hz
51,000h L90
80 Ra
3 SDCM
Yes, using converter

Installation information

Install connector type	2 part first fit connector
Insulation coverable	Steel Housing, Polycarbonate Lens
Bathroom zone	2
Inrush current	28A <50ms
Construction material	Steel Housing, Polycarbonate Lens
TP rating	TP(a)
TP rating Weight	TP(a) 3.8kg
Weight Maximum ambient	3.8kg
Weight Maximum ambient temperature	3.8kg -20°C to +40°C

Photometrics @ 25°C

	Product code	Dimming	Driver required	UGR	TP	\?\	W	сст	lm	lm/W	Energy
	DMW66X4K	Mains	PS6501100MA	<16	TP(a)	75°	27W	4000K	4350	161	Å C
	DMW66N4K						22W	4000K	3550	161	A C
		Non-	D: : 1 1 1	1/	TD()	750	24W	4000K	3850	160	å c
		dimmable Driver inclu	Driver included	<16	TP(a)	75°	25W	4000K	4100	164	A C
							27W	4000K	4350	161	A C

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

PS6501100MA	one4all driver DALI-2, Push-dim, 0-10V, 10V PWM	Sold Separately	456
LEDEP10	Emergency converter, Self-test, 220Im	Sold Separately	367
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	368
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) Im	Sold Separately	365
EMRWST	Salvus Route White, Self Test, 120lm(O) or 130lm(C)	Sold Separately	365



Domino Black

Ultra-low Glare 600x600 Architectural Panel

Features

IK rating	IK08
IP rating	IP40
CSP switchable	Single CCT
Sensor option	On Request
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	51,000h L90
CRI	80 Ra
SDCM	3 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	2 part first fit connector
Insulation coverable	Steel Housing, Polycarbonate Lens
Bathroom zone	2
Inrush current	28A <50ms
Construction material	Steel Housing, Polycarbonate Lens
TP rating	TP(a)
iridding	11 (a)
Weight	3.8kg
Weight Maximum ambient	3.8kg
Weight Maximum ambient temperature	3.8kg -20°C to +40°C

Photometrics @ 25°C

Product code	Dimming	Driver required	UGR	TP	\ <u>^</u>	W	ССТ	lm	lm/W	Energy			
DMB66X4K	Mains	PS6501100MA	<16	TP(a)	75°	27W	4000K	4350	161	A C			
DMB66N4K									22W	4000K	3550	161	A C
	Non-	6	47	TD()	750	24W	4000K	3850	160	A C			
	dimmable	Driver included	<16	TP(a)	TP(a) 75°	25W	4000K	4100	164	C			
						27W	4000K	4350	161	A C			

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

Accessories

PS6501100MA	one4all driver DALI-2, Push-dim, 0-10V, 10V PWM	Sold Separately	456
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	367
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	368
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) Im	Sold Separately	365
EMRWST	Salvus Route White, Self Test, 120lm(O) or 130lm(C)	Sold Separately	365

Panels



Ultra-low glare UGR16 for office, classroom and retail application



Wattage switchable between 22W, 24W, 25W & 27W



Energy efficient up to 164 Llm/W

Guarantee

5 years (product), 3 years (emg battery), 2 years (on-site)

Features & benefits

Perfect for office, classroom and retail application

Differentiate the look of your space with a high-quality aesthetic

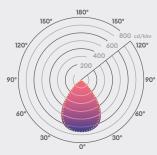
51,000 hours L90 lifetime

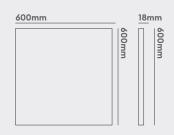
High impact rating of IK08

Security cable supplied

RG0 (Risk Exempt) Photo-biological Risk

Beam angle: 75°









Solis Pro

Highly Efficient 160 Llm/W IP44 Wattage Switchable Product

Features

IK rating	N/A
IP rating	IP44
CSP switchable	Single CCT
Sensor option	On Request
Dimmable option	Yes (DALI-2, 0-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	54,000h L80
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Integrated terminals, loop-in/loop-out
Insulation coverable	Aluminium Housing, Polystyrene TP(a) Diffuser
Bathroom zone	2
Inrush current	7.6A 0.45ms
Construction material	Aluminium Housing, Polystyrene TP(a) Diffuser
TP rating	TP(a)
Weight	2kg
Maximum ambient temperature	-30°C to +40°C
Building regulations	Part P & L
Mounting options	Recessed (Surface & Suspended using accessories)
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Dimming	Driver required	UGR	TP	\text{\text{\$\circ}}	w	ССТ	lm	lm/W	Energy				
SOLP66X4K	Mains	PS6501100MA	<19	TP(a)	90°	28W	4000K	4480	160	A B				
SOLP66N4K				TD()		22W	4000K	3520	160	A B				
	Non-	5	410		TD()	000	24W	4000K	3840	160	A B			
	dimmable Driver	Driver included	(1)	(19	(19	<19	TP(a)	19 TP(a)	90°	26W	4000K	4160	160	â B
						28W	4000K	4480	160	A B				

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

PS6501100MA	one4all driver DALI-2, Push-dim, 0-10V, 10V PWM	Sold Separately	456
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	367
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	368
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) lm	Sold Separately	365
EMRWST	Salvus Route White, Self Test, 120(O) or 130(C) Im	Sold Separately	365
P2SMA	Surface mount kit for 600 x 600 LED Panel.	Sold Separately	314
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV Forward voltage range from 9 to 52Vdc	Sold Separately	297

Panels



Low UGR with UGR19 available



Wattage switchable between 22W, 24W, 26W & 28W



Energy rating B up to 160 Llm/W

Guarantee

5 years (product), 3 years (emerg battery), 2 years (on-site)

Features & benefits

Emergency option is available with LEDEP10

IP44 rated allows the product to be used in a wide range of applications

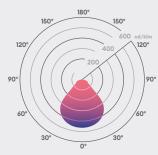
TP(a) rated diffuser enables use in escape routes

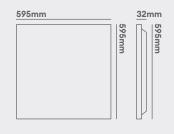
850-degrees glow wire test passed

Can be recessed or surface mounted and includes safety cable

RG0 (Risk Exempt) Photo-biological Risk

Beam angle: 90°





Panels



IP65 from below for the highest level of dust and water protection



Supplied with T connector for fast installation



Manual test emergency option is available with LEDEP10EM

Guarantee

5 years (product), 3 years (emg battery)

Features & benefits

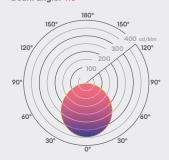
Self test emergency option is available with LEDEP10

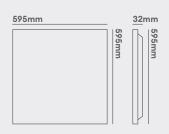
DALI addressable emergency option is available with LEDEP09DA

DALI and PUSH-DIM option is available with driver PS250 1100MA

RG0 causing no photo-biological risks

Beam angle: 110°







Solis IP65

600 x 600 IP65 LED panel

Features

IK rating	IK03
IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Single CCT
Sensor option	No
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Insulation coverable	Aluminium body, polypropylene diffuser
Bathroom zone	1
Inrush current	<50A 0.05ms
Construction material	Aluminium body, polypropylene diffuser
TP rating	TP(a)
Weight	1.6kg
Maximum ambient temperature	-20°C to +40°C
Building regulations	Part P & L
Mounting options	Recessed (Surface & Suspended using accessories)
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Dimming	Driver required	UGR	TP	W	сст	\text{\ti}\text{\ti}}\\ \tittt{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\texi}\text{\text{\texi}\text{\texi}\tittt{\texitt{\text{\text{\texi}\text{\texit{\text{	lm	lm/W	Energy
SOLIP66N4K	Non- dimmable	Driver included	<22	TP(a)	40W	4000K	110°	4500	113	A B

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

LEDEP10	Emergency converter IP20, Self-test, 220lm	Sold Separately	367
LEDEP10EM	Emergency converter IP20, Manual-test, 220lm	Sold Separately	366
LEDEP09DA	Emergency converter, DALI Addressable, 220lm	Sold Separately	368
EMBMAX	High Output Emergency IP66 Bulkhead	Sold Separately	363
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) Im	Sold Separately	365
DRV3001050	$42 \rm W$ CC Driver, IP20, 300-1050 mA, Class II SELV Forward voltage range from 9 to 52 Vdc	Sold Separately	297
P2SMA	Surface mount kit for 600 x 600 LED Panel.	Sold Separately	314



Solis 600 x 600

4000K + 5000K LED panel range

Features

IK rating	N/A
IP rating	IP40
CSP switchable	Single CCT
Sensor option	No
Dimmable option	Yes (DALI-2, 0-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	2 part first fit connector
Insulation coverable	All panels: Aluminium Body, TP(a) Diffuser
Bathroom zone	2
Inrush current	30A 0.91ms
Construction material	All panels: Aluminium Body, TP(a) Diffuser
TP rating	TP(a)
Weight	N/A
Maximum ambient temperature	-30°C to 40°C
Building regulations	Part P & L
Mounting options	Recessed (Surface & Suspended using accessories)
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Dimming	Driver required	UGR	TP	W	ССТ	△ °	lm	lm/W	Energy
P2A16S30WA	Non-dimmable	Driver included	16	TP(a)	30W	4000K	90°	3450	115	A D
P2A16X30WA	Mains	Mains: EUP30T1HMC0 DALI-2/1-10V: PS6501100MA	16	TP(a)	30W	4000K	90°	3450	115	A D
P2A19S40WA	Non-dimmable	Driver included	19	TP(a)	40W	4000K	90°	4600	115	A D
P2A19X40WA	Mains	PS6501100MA	19	TP(a)	40W	4000K	90°	4600	115	A D
P2A22S30WA	Non-dimmable	Driver included	22	TP(b)	30W	4000K	110°	3450	115	A D
P2A22S40WA	Non-dimmable	Driver included	22	TP(b)	40W	4000K	110°	4600	115	A D
P5A19S30WA	Non-dimmable	Driver included	19	TP(a)	30W	5000K	90°	3450	115	A D
P5A19X30WA	Mains	PS6501100MA	19	TP(a)	30W	5000K	90°	3450	115	A D

Product available in other colour temperatures (3000K + 6500), please call sales on 01604 495 151.

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

Accessories

PS6501100MA	Driver, DALI-2, 0-10V, Push-Dim	Sold Separately	456
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV Forward voltage range from 9 to 52Vdc	Sold Separately	297
LEDEP10	Emergency converter, Self-test, maintained	Sold Separately	367
LEDEP09DA	Emergency converter, DALI-2 Addressable, maintained	Sold Separately	368
EMRWMAN	Salvus Route White, Manual Test, Open Corridor Lens	Sold Separately	365
P2SMA	Surface mount kit for 600 x 600 LED Panel.	Sold Separately	314
PISK	Suspension Kit for $600 \times 600 & 1200 \times 300$ Panels.	Sold Separately	314

Panels



Low UGR with UGR16 available



DALI-2, Push-Dim, & 0-10V options are available



Emergency option is available with LEDEP10

Guarantee

5 years (product), 3 years (emg battery)

Features & benefits

Suitable for reading, writing and computer-based tasks and meets Blue Light Hazard Regulation RG0

30W (P2A16S30WA) for 500lux at 2.4m x 2.4m distance spacings

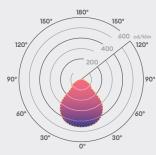
40W (P2A19S40WA) for 500lux at $3.0 \,\mathrm{m} \times 2.4 \,\mathrm{m}$ distance spacings

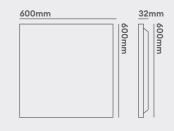
Supplied with a quick-fit connector for fast installation

Back-lit design for efficient performance and improved robustness during transit

Supplied with 1m long safety steel cable

Beam angle: 90°





Panels



Low UGR with UGR16 available



Dimmable with TRIAC mains, Push-Dim, DALI 2 & 0-10V



Emergency option is available with LEDEP10

Guarantee

5 years (product), 3 years (emg battery)

Features & benefits

Suitable for reading, writing and computer-based tasks and meets Blue Light Hazard Regulation RG0

30W (P2A16S30WA) for 500lux at 2.4m x 2.4m distance spacings

40W (P2A19S40WA) for 500lux at $3.0 \,\mathrm{m}\,\mathrm{x}\,2.4 \,\mathrm{m}$ distance spacings

Supplied with a quick-fit connector for fast installation

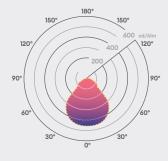
Compatible with emergency kit designed for a quick conversion

Back-lit design for efficient performance and improved robustness during transit

Supplied with 1m long safety steel cable

Lumens in EM mode 250lm

Beam angle: 90°







Solis 1200 x 300

1200 x 300 LED panel

Features

N/A
IP40
Single CCT
No
Yes (DALI-2, 0-10V, PUSH- DIM)
220-240V 50/60Hz
50,000h L70
80 Ra
4 SDCM
Yes, using converter

Installation information

Install connector type	2 part first fit connector
Insulation coverable	All panels: Aluminium Body, TP(a) Diffuser
Bathroom zone	2
Inrush current	30A 0.91ms
Construction material	All panels: Aluminium Body, TP(a) Diffuser
TP rating	TP(a)
Weight	N/A
Maximum ambient temperature	-30°C to 40°C
Building regulations	Part P & L
Mounting options	Recessed (Surface & Suspended using accessories)
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Dimming	Driver required	UGR	TP	w	ССТ	\hat{\circ}	lm	lm/W	Energy
P2B16S30WA	Non-dimmable	Driver included	<16	TP(a)	30W	4000K	90°	3450	115	^A D
P2B16X30WA	Mains / DALI-2 / 0-10V / Push-Dim	Mains: EUP30T1HMC0 DALI-2/1-10V: PS6501100MA	<16	TP(a)	30W	4000K	90°	3450	115	A D

 $Product\ available\ in\ other\ colour\ temperatures\ (3000\ K+6500),\ please\ call\ sales\ on\ 01604\ 495\ 151.$

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

LEDEP10	3hr non-maintained self-test emergency pack	Sold Separately	367
P2SMB	Surface mount kit for 1200 x 300 LED Panel.	Sold Separately	314
PISK	Suspension Kit for $600 \times 600 \times 1200 \times 300$ Panels.	Sold Separately	314
PS6501100MA	DALI-2/0-10V/PUSH-DIM	Sold Separately	456
EUP30T1HMC0	TRIAC Mains Dim	Sold Separately	456
CONA43	SOLIS Panel Easy Fit Connector 4-3 Pole	Included	
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV Forward voltage range from 9 to 52Vdc	Sold Separately	297



Solis 1200 x 600

1200 x 600 LED panel

Features

IK rating	N/A
IP rating	IP40
CSP switchable	Single CCT
Sensor option	No
Dimmable option	Yes (DALI-2, 0-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes, using converter

Installation information

Install connector type	2 part first fit connector
Insulation coverable	All panels: Aluminium Body, Polystyrene Diffuser
Bathroom zone	2
Inrush current	<50A, 0.05ms
Construction material	All panels: Aluminium Body, Polystyrene Diffuser
TP rating	TP(a)
Weight	N/A
Maximum ambient temperature	-30°C to 40°C
Building regulations	Part P & L
Mounting options	Recessed (Surface & Suspended using accessories)
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Dimming	Driver required	UGR	TP	w	ССТ	\ <u>\</u>	lm	lm/W	Energy
P2C19S60WA	Non-dimmable	Driver included	19	TP(a)	60W	4000K	90°	6600	110	A D
P2C19X60WA	DALI-2 / 0-10V / Push-Dim	TR28000677	19	TP(a)	60W	4000K	90°	6600	110	a D
P2C22S60WA	Non-dimmable	Driver included	22	TP(a)	60W	4000K	110°	6900	115	å D

Product available in other colour temperatures (3000K + 6500), please call sales on 01604 495 151.

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

Accessories

TR28000677	SOLIS Driver, 60W Panel, DALI-2, DSI, switchDIM	Sold Separately	
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV Forward voltage range from 9 to 52Vdc	Sold Separately	305
P2SMC	Surface mount kit for 1200 x 600 LED Panel.	Sold Separately	314
PISKC	Suspension Kit for 1200 x 600 Panels.	Sold Separately	314
LEDEP10	3hr non-maintained self-test emergency pack	Sold Separately	367
P2SMC	Surface mount kit for 1200 x 600 LED Panel.	Sold Separately	314
CONA43	SOLIS Panel Easy Fit Connector 4-3 Pole	Included	

Panels



Low UGR with UGR19 available



Dimmable with TRIAC mains, Push-Dim, DALI 2 & 0-10V



Emergency option is available with LEDEP10

Guarantee

5 years (product), 3 years (emg battery)

Features & benefits

Suitable for reading, writing and computer-based tasks and meets Blue Light Hazard Regulation RG0

30W (P2A16S30WA) for 500lux at 2.4m x 2.4m distance spacings

40W (P2A19S40WA) for 500lux at $3.0 \,\mathrm{m}\,\mathrm{x}\,2.4 \,\mathrm{m}$ distance spacings

Supplied with a quick-fit connector for fast installation

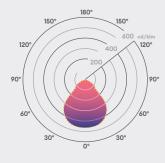
Compatible with emergency kit designed for a quick conversion

Back-lit design for efficient performance and improved robustness during transit

Supplied with 1m long safety steel cable

Lumens in EM mode 250lm

Beam angle: 90°





Panel accessories

Easily install panels anywhere

Install your panel anywhere with surface mount kits for solid surfaces and suspension kits to hang from ceilings. Turn your panel into an emergency version with an emergency pack.

Use the tables below to choose the perfect kit for your installation



Product codes

Product Code	Description	Guarantee
P2SMA	Surface mount kit for mounting panels onto solid surfaces	5 years
P2SMB	Surface mount kit for mounting panels onto solid surfaces	5 years
P2SMC	Surface mount kit for mounting panels onto solid surfaces	5 years
P1SKA	Suspension mount kit for suspending panels from solid surfaces	5 years
P1SKCA	Suspension mount kit for suspending panels from solid surfaces	5 years
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV Forward voltage range from 9 to 52Vdc	5 years
LEDEP09DA	Emergency pack for converting panel into DALI emergency self-test option	5 years
LEDEP10	Emergency pack for converting panels into emergency self-test option	5 years
LEDEP10EM	Emergency pack for converting panels into emergency manual-test option	5 years

For full product specification visit **collingwoodlighting.com**

Compatible with

	Solis Pro Page 309	Solis IP65 Page310	Solis 600x600 Page 311	Solis 1200×300 Poge 312	Solis 1200x600 Page 313
P2SMA	•	•	•		
P2SMB				•	
P2SMC					•
P1SKA	•		•	•	
P1SKCA					•
DRV3001050	•	•			
LEDEP09DA	•	•	•	•	•
LEDEP10	•	•			
LEDEP10EM	•	•	•	•	•



TrinityComing Soon

Direct/Indirect recessed modular

- Suitable for classroom, office, meeting room and break-out spaces
- Soft low-glare lit effect contributes to UGR19 design
- TP(a) rating
- Wattage switchable
- On-Off, DALI-2 and PUSH-DIM driver options
- Plug-in PIR accessory to keep the light OFF when no-one is present

Surface & Suspended

Light lines

Differentiate your space with architectural profiles and choice to create the look and performance you desire for your office, classroom or break-out social areas.

Choice of lit effect (Versa Tile & Linear Cell)

Choose between Versa Tile and Linear Cell to create the ideal lit effect for your installation.

Direction of light

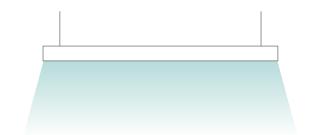
Versa Tile

Up-down light (75% DLOR, 25% ULOR) for a decorative lit effect on your ceiling.



Linear Cell

Downward lit effect (100% DLOR).



Stand alone Vs Continuous light

Stand alone

Provide individual light and control for your users so they personalise what they like.



Continuous light

Creates lines of light up to 20 metres long using a single electrical feed.



Versa Box (Versa Tile)

The Versa Box is a uniquely design compartment to house all of the components at either end of the Versa Tile. This makes it easy to plug-in different drivers, sensors and emergency packs to suit your project needs and makes the product very easy to repair, replace or upgrade.



Shallow depth (Versa Tile & Linear Cell)

Designed to have a shallow depth for an architectural look.



Versa Tile Shallow depth of 38mm



Linear Cell Shallow width of 50mm

Choice of finish

Choose the ideal colour for your installations aesthetic.

Linear (Vera Tile & Linear Cell)

Versa Tile is available in all 3 colour finishes and Linear Cell is available in White and black, making them work with any installations aesthetic.



Decorative circular (Nova)

For a premium aesthetic the Nova has a gold rim to pop against the classic black or white options that compliment any installation.



White with

gold rim

Black with gold rim

Circular (Astra)

A classic white fitting to compliment most installations.



White

Choice of form

Choose the shape of fitting that is ideal for the environment it is going into.

Linear fittings

Perfect for matching up to the building architecture of the windows and furniture.





Circular fittings

Creates a more informal look which is comfortable to work, relax or socialise under.









Ø450mm Nova & Astra

Ø600mm Nova

Ø900mm Nova

Surface & Suspended



Slim depth of just 38mm



UGR19 for low glare



75% down / 25% up ratio uses light efficiently

Guarantee

7 years (product), 5 years (emerg battery)

Features & benefits

Energy efficiant up to 120lm/W

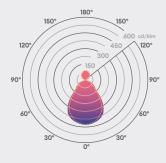
Choice of White (RAL9003), Black (RAL9005) or Silver (RAL9006)

Suspend as an individual luminaire or (by custom request) connect together to make a continuous run

>10% uplight when surface mounted

Configurable using our unique VERSABox design to realise a range of lumen output, driver and sensor options

Beam angle: 80







Versa Tile White 1500mm

UGR19 architectural linear suitable for surface, suspension or wall mount

Features

IK02
IP20
Single CCT
PIR & Daylight with accessories
Yes (DALI-2, PUSH-DIM)
220-240V 50/60Hz
54,000h L80
80 Ra
6 SDCM
Yes, Self-Test

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	Standard: 16A 672µs, DALI: 30A 45µs
Construction material	Aluminium Housing, Polystyrene Diffuser
Weight	4.25kg
Maximum ambient temperature	0°C to 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	W	ССТ	\hat{\circ}	lm	lm/W	EM	Energy
VTW1N	Standard	45W	4000K	80	5500	120	-	Î D
VTW1NEM	Emergency	45W	4000K	80	5500	120	260	
VTW1NP	PIR sensor	45W	4000K	80	5500	120	-	Î D
VTW1NPEM	Emergency	45W	4000K	80	5500	120	260	î D
VTW1D	DALI-2 dimmable	45W	4000K	80	5500	120	-	Î D
VTW1DEM	Emergency DALI-2 dimmable	45W	4000K	80	5500	120	260	å D
VTW1DP	DALI-2 Dimmable PIR Sensor	45W	4000K	80	5500	120	-	å D
VTW1DPEM	Emergency DALI-2 Dimmable PIR Sensor	45W	4000K	80	5500	120	260	î D

Wiring information

Cable / flying lead	0.75-2.5mm ²
Type of wiring required	Parallel

VTWWALL	White Wall Mount Kit	Sold Separately
VTWCON	White Connect Joint Kit	Sold Separately



Versa Tile Black 1500mm

UGR19 architectural linear suitable for surface, suspension or wall mount

Features

IK rating	IK02
IP rating	IP20
CSP switchable	Single CCT
Sensor option	PIR & Daylight with accessories
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V 50/60Hz
LED lifetime	54,000h L80
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes, Self-Test

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	Standard: 16A 672µs, DALI: 30A 45µs
Construction material	Aluminium Housing, Polystyrene Diffuser
Weight	4.25kg
Maximum ambient temperature	0°C to 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	W	ССТ	\?\!	lm	lm/W	EM	Energy
VTB1N	Standard	45W	4000K	80	4500	100	-	
VTBINEM	Emergency	45W	4000K	80	4500	100	215	
VTB1NP	PIR sensor	45W	4000K	80	4500	100	-	
VTB1NPEM	Emergency	45W	4000K	80	4500	100	215	â D
VTB1D	DALI-2 dimmable	45W	4000K	80	4500	100	-	å D
VTB1DEM	Emergency DALI-2 dimmable	45W	4000K	80	4500	100	215	A D
VTB1DP	DALI-2 Dimmable PIR Sensor	45W	4000K	80	4500	100	-	A D
VTB1DPEM	Emergency DALI-2 Dimmable PIR Sensor	45W	4000K	80	4500	100	215	

Wiring information

Cable / flying lead	0.75-2.5mm ²
Type of wiring required	Parallel

Accessories

VTBWALL	Black Wall Mount Kit	Sold Separately
VTBCON	Black Connect Joint Kit	Sold Separately

Surface & Suspended



Slim depth of just 38mm



UGR19 for low glare



75% down / 25% up ratio uses light efficiently

Guarantee

7 years (product), 5 years (emerg battery)

Features & benefits

Energy efficiant up to 100lm/W

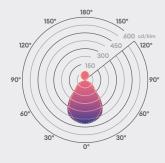
Choice of White (RAL9003), Black (RAL9005) or Silver (RAL9006)

Suspend as an individual luminaire or (by custom request) connect together to make a continuous run

>10% uplight when surface mounted

Configurable using our unique VERSABox design to realise a range of lumen output, driver and sensor options

Beam angle: 80





Surface & Suspended



Slim depth of just 38mm



UGR19 for low glare



75% down / 25% up ratio uses light efficiently

Guarantee

7 years (product), 5 years (emerg battery)

Features & benefits

Energy efficiant up to 110lm/W

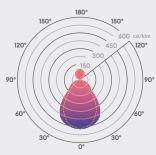
Choice of White (RAL9003), Black (RAL9005) or Silver (RAL9006)

Suspend as an individual luminaire or (by custom request) connect together to make a continuous run

>10% uplight when surface mounted

Configurable using our unique VERSABox design to realise a range of lumen output, driver and sensor options

Beam angle: 80







Versa Tile Silver 1500mm

UGR19 architectural linear suitable for surface, suspension or wall mount

Features

IK rating	IK02
IP rating	IP20
CSP switchable	Single CCT
Sensor option	PIR & Daylight with accessories
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V 50/60Hz
LED lifetime	54,000h L80
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes, Self-Test

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Inrush current	Standard: 16A 672µs, DALI: 30A 45µs
Construction material	Aluminium Housing, Polystyrene Diffuser
Weight	4.25kg
Maximum ambient temperature	0°C to 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	W	ССТ	\hat{\circ}	lm	lm/W	EM	Energy
VTS1N	Standard	45W	4000K	80	5000	110	-	â D
VTS1NEM	Emergency	45W	4000K	80	5000	110	240	â D
VTS1NP	PIR sensor	45W	4000K	80	5000	110	-	â D
VTS1NPEM	Emergency	45W	4000K	80	5000	110	240	Î D
VTS1D	DALI-2 dimmable	45W	4000K	80	5000	110	-	Î D
VTS1DEM	Emergency DALI-2 dimmable	45W	4000K	80	5000	110	240	Î D
VTS1DP	DALI-2 Dimmable PIR Sensor	45W	4000K	80	5000	110	-	Î D
VTS1DPEM	Emergency DALI-2 Dimmable PIR Sensor	45W	4000K	80	5000	110	240	

Wiring information

Cable / flying lead	0.75-2.5mm ²
Type of wiring required	Parallel

VTSWALL	Silver Wall Mount Kit	Sold Separately
VTSCON	Silver Connect Joint Kit	Sold Separately













Linear Cell

Low glare suspended light line luminaire

Features

IK rating	IK06
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	No
Dimmable option	Yes (DALI-2, 1-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	10A 0.088ms
Construction material	Aluminium housing, ABS reflector and Microprism lens
Weight	1.5kg
Maximum ambient temperature	-20°C to +50°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△ :	lm	lm/W	EM	Energy				
				3000K	70°	4600	120	-					
LCLBS1D	DALI-2 dimmable	Matt black RAL9017	38W	3500K	70°	5000	130	-	A B				
				4000K	70°	4800	126	-					
				3000K	70°	4600	120	300					
	Emergency DALI-2 dimmable	Matt black RAL9017	38W	3500K	70°	5000	130	325	A B				
	4		,	4000K	70°	4800	126	315					
		White RAL9003 38W	:32					3000K	75°	4600	120	-	
LCLW1D	DALI-2 dimmable					38W	3500K	75°	5000	130	-	A B	
				4000K	75°	4800	126	-					
				3000K	75°	4600	120	300					
	Emergency DALI-2 White RAL9003		38W	3500K	75°	5000	130	325	A B				
				4000K	75°	4800	126	315					

Wiring information

Cable / flying lead	0.75-2.5mm ²
Type of wiring required	Parallel

Accessories

LCLBS1DCRKIT	Black Ceiling Rose Kit, DALI/Push	Sold Separately
LCLWIDCRKIT	White Ceiling Rose Kit, DALI/Push	Sold Separately
LCLCONKIT	Light Line Connect Kit	Sold Separately

Surface & Suspended



Colour Switchable between 3000K-3500K-4000K



Contributes to a UGR19 lighting design



Energy efficient up to 130Llm/W

Guarantee

5 years (product), 5 years (emerg battery)

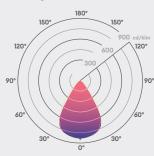
Features & benefits

Individual or continuous run (up to 20 luminaires) mounting options using accessory LCLCONKIT

On-Off or Dimmable as standard

Accessory LCLBS1DCRKIT provides a decorative ceiling rose for the power cable

Beam angle: 70°





Surface & Suspended



Colour switchable between 2700k, 3000k, & 4000k



Energy efficient up to 138lm/W



Available with DALI-2, 1-10V & PUSH-DIM

Guarantee

5 years (product), 2 years (on-site)

Features & benefits

Wide light emitting surface designed for superior optical control and comfortable light

Makes rooms appear larger and wider

Floating impression when surfacemounted

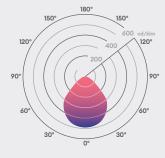
Design-led pendant can be centrepiece of any room

Wall mounted creates interest

450mm and 600mm can be wall mounted

4000K for focus scenes - 3000K for social scenes - 2700K for relaxation

Beam angle: 120°







Nova CSP Black

Designer light that can be suspended, surface or wall mounted

Features

IK rating	IK06
IP rating	IP40
CSP switchable	Switchable CCT
Sensor option	On Request
Dimmable option	Yes (DALI-2, 1-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM
Emergency option	Yes, remotely using Salvus Route

Installation information

Install connector type	Push-fit terminals 0,5 - 1,5mm²
Inrush current	4.9A 154µs
Construction material	Aluminium housing, Microprism lens
Weight	3.8kg
Maximum ambient temperature	-20°C to +50°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	△ °	lm	lm/W	Energy
				2700K	120°	2600	100	
NVB45DS	450mm	Black - gold	26W	3000K	120°	2800	108	A D
		4000K	120°	3000	115			
		2700K	120°	4200	117			
NVB60DS	VB60DS 600mm Black - gold 40W	40W	3000K	120°	4500	125		
		4000K	120°	4800	133			
				2700K	120°	7900	122	
NVB90DS	/ B90DS 900mm Black - gold 68W	68W	3000K	120°	8300	128	â D	
		4000K	120°	9000	138			

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

NV45UPM	Nova Uplight Kit, 450mm, 13W 1100lm, On-Off, 3000K	Sold Separately	327
NV60UPM	Nova Uplight Kit, 600mm, 20W 1700lm, On-Off, 3000K	Sold Separately	327
NV90UPM	Nova Uplight Kit, 900mm, 28W 2400lm, On-Off, 3000K	Sold Separately	327
NVBSUS2M	Nova Pendant Kit Black, 2 metres, 5 core cable	Sold Separately	327
NVWSUS2M	Nova Pendant Kit White, 2 metres, 5 core cable	Sold Separately	327
EMRBST	Salvus Route Black, Self Test, Open Corridor Lens	Sold Separately	365
EMRWST	Salvus Route White, Self Test, Open Corridor Lens	Sold Separately	365









Nova CSP White

Designer light that can be suspended, surface or wall mounted

Features

IK rating	IK06
IP rating	IP40
CSP switchable	Switchable CCT
Sensor option	On Request
Dimmable option	Yes (DALI-2, 1-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
LED lifetime CRI	50,000h L70 80 Ra
	,

Installation information

Install connector type	Push-fit terminals 0,5 - 1,5mm²
Inrush current	4.9A 154µs
Construction material	Aluminium housing, Microprism lens
Weight	3.8kg
Maximum ambient temperature	-20°C to +50°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	ペ	lm	lm/W	Energy	
			2700K	2700K	120°	2600	108		
NVW45DS	450mm	White - gold	26W	3000K	120°	2800	117	î D	
				4000K	120°	3000	125		
		2700K	120°	4200	117				
NVW60DS	600mm	White - gold	40W	3000K	120°	4500	125	(D	
					4000K	120°	4800	133	
			gold 68W	2700K	120°	7900	122		
NVW90DS	900mm	White - gold		3000K	120°	8300	128	Î D	
				4000K	120°	9000	138		
				4000K 2700K 3000K	120° 120° 120°	4800 7900 8300	133 122 128		

Wiring information

Cable / flying lead	0.75-1.5mm ²
Type of wiring required	Parallel

Accessories

NV45UPM	Nova Uplight Kit, 450mm, 13W 1100lm, On-Off, 3000K	Sold Separately	327
NV60UPM	Nova Uplight Kit, 600mm, 20W 1700lm, On-Off, 3000K	Sold Separately	327
NV90UPM	Nova Uplight Kit, 900mm, 28W 2400lm, On-Off, 3000K	Sold Separately	327
NVBSUS2M	Nova Pendant Kit Black, 2 metres, 5 core cable	Sold Separately	327
NVWSUS2M	Nova Pendant Kit White, 2 metres, 5 core cable	Sold Separately	327
EMRBST	Salvus Route Black, Self Test, Open Corridor Lens	Sold Separately	365
EMRWST	Salvus Route White, Self Test, Open Corridor Lens	Sold Separately	365

Surface & Suspended



Colour switchable between 2700k, 3000k, & 4000k



Energy efficiant up to 138lm/W



Available with **DALI-2, 1-10V &** PUSH-DIM

Guarantee

5 years (product), 2 years (on-site)

Features & benefits

Wide light emitting surface designed for superior optical control and comfortable light

Makes rooms appear larger and

Floating impression when surfacemounted

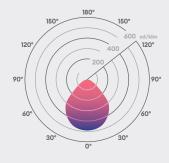
Design-led pendant can be centrepiece of any room

Wall mounted creates interest

450mm and 600mm can be wall mounted

4000K for focus scenes - 3000K for social scenes - 2700K for relaxation

Beam angle: 120°





Surface & Suspended



Energy efficient up to 111Llm/W



UGR19 for low glare



Quick and easy installation without opening the luminaire

Guarantee

5 Years

Features & benefits

Classic shape luminaire with timeless design

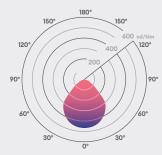
Floating impression when surface mounted

Minimalist pendant is versatile to suit the decor of any room

Wall mounted creates interest

Versatile solution for multiple different applications

Beam angle: 90°







Astra

Classic shape luminaire that can be suspended, surface or wall mounted

Features

IK rating	IK06
IP rating	IP40
CSP switchable	Single CCT
Sensor option	On Request
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM
Emergency option	Yes, remotely using Salvus Route

Installation information

Install connector type	Push-fit terminals 0,5 - 1,5mm²
Inrush current	12A 0.112ms
Construction material	Aluminium housing, Microprism lens
Weight	3.8kg
Maximum ambient temperature	-20°C to +50°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Size	W	ССТ	△ °	lm	lm/W	Energy
ASW451N40	450mm	18	4000K	90°	2000	111	
ASW452N40	450mm	26	4000K	90°	2600	100	â D

Wiring information

Cable / flying lead	0.75-2.5mm ²
Type of wiring required	Parallel

ASWSUS2M	Astra Pendant Kit White, 2 metres, 3 core cable	Sold Separately	327
EMRWMAN	Salvus Route White, Manual Test, Open Corridor Lens	Sold Separately	365
EMRWST	Salvus Route White, Self Test, Open Corridor Lens	Sold Separately	365

Nova & Astra accessories

Make your fitting perfect for your installation

Turn your light into a pendant or add a back lit effect to create the perfect look for your installation.

Use the tables below to choose the perfect accessory for your light



Product codes

Product Code	Description	Guarantee
NV45UPM	1100lm Uplight Kit (for Nova 450mm)	5 years
NV60UPM	1700lm Uplight Kit (for Nova 600mm)	5 years
NV90UPM	2400lm Uplight Kit (for Nova 900mm)	5 years
NVBSUS2M	Nova Pendant kit, 2 metre, 5 core black suspension kit	5 years
NVWSUS2M	Nova Pendant kit, 2 metre, 5 core white suspension kit	5 years
ASWSUS2M	Astra Pendant kit, 2 metre, 3 core white suspension kit	5 Years
EMRBST	Salvus Route black, High Performance Emergency Spot	4 years on electronics, 2 years on battery
EMRWST	Salvus Route white, High Performance Emergency Spot	4 years on electronics, 2 years on battery

For full product specification visit collingwoodlighting.com

Compatible with

	Nova 450mm Black Page 324	Nova 450mm White Page 325	Nova 600mm Black Page 324	Nova 600mm White Page 325	Nova 900mm Black Page 324	Nova 900mm White Page 325	Astra Page 326
NV45UPM	•	•					
NV60UPM							
NV90UPM					•		
NVBSUS2M	•				•		
NVWSUS2M		•		•		•	
ASWUS2M							•
EMRBST	•	•	•	•	•	•	•
EMRWST	•	•		•	•		•

Borealis

Battens

Battens are an effective lighting solution to various commercial spaces such as, garages and corridors giving a uniform installation of perfectly distributed light.

High efficacy and savings

The Borealis battens are available in three lengths, making them a perfect replacement of the T8 fluorescent lamp. With market-leading efficacy of up to 130lm/W, this range will provide slightly more light, whilst using much less power, resulting in excellent cost savings and quick payback.

The table below shows an example of the costs savings which can be achieved:

Energy rate £/kWh: £0.15	Typical T8 fluorescent lamp	Our fitting
Average lamp life	12,000 hours	54,000 hours
Quantity of fittings	100	100
Watts per fitting	72W (2 x 36W)	40W
Energy £/Year	£9,461	£5,256

Borealis easy installation

Quick release button

The quick release buttons makes installation simple. Located on each end, and either side, they open up the batten to separate the diffuser and the gear tray from the base, with the hanging clips in place to ensure added convenience.



Uniform | Uniform Versa

Wattage switchable: one light, four wattage outputs

Wattage switchable product enables one luminaire to meet various lux levels within a project using a lumen output switch

20W | 30W



23W | 35W



26W | 40W



30W | 45W



IP44 & IK08 | IK06

High impact resistance ensures that accidental collisions will not adversely effect the performance of the product. Combine this with IP44 rated allows the product to be used in a wide range of applications

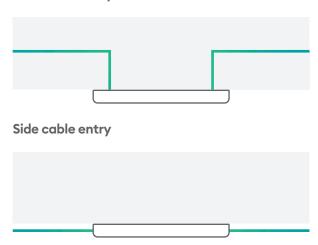




20mm Cable entry

There are conduit/cable gland entry points from either side and the back of the fixture, which enables this product to satisfy many installation requirements, giving the option to conceal wiring behind the fixture or link them together via their loop-in loop-out terminal.

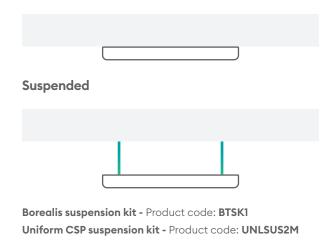
Rear cable entry



BESA mounting options

The battens can be mounted either directly on the surface, through the pre-drilled holes on the base of the fitting, or suspended via a hanging kit. The gear tray is can be removed entirely or it can be suspended from the base, whilst you work to mount.

Surface mounted



Emergency bolt-on & PIR bolt-on sensors

The bolt-on's convert your Uniform linear or Borealis batten into an emergency, dimming or motion sensor. The PIRBOLT allow the user to set up on/off control or PIRBOLTDIM allows two step-dim parameter.

Up to 6m high

Install as high as 6m high.



Battens



Wattage switchable between 30W, 35W, 40W & 45W



Ultra-efficient up to 150 Llm/W



IP44 rated allows the product to be used in a wide range of applications

Guarantee

7 years (product), 5 years (battery)

Features & benefits

Outstanding uniform lit effect

70,000 hours L80 lifetime

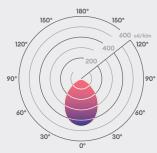
RG0 (Risk Exempt) Photo-biological

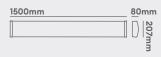
Versabox plug and play kit range to accommodate project requirements

Suspension kit available (UNLSUS2M)

Also available in 4ft 1200mm









Uniform Versa 5ft 1500mm

Wattage Switchable UGR19 Linear with plug-in Versabox accessories

Features

IK06
IP44
Single CCT
Microwave & PIR options
Yes (DALI-2, PUSH-DIM)
220-240V 50/60Hz
70,000h L80
80 Ra
6 SDCM
Manual, Self & DALI-2 options

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	24A 354us
Construction material	White RAL9003, Carbon Sheet Steel Housing, PMMA Diffuser (650°C)
Weight	4.2kg
Maximum ambient temperature	-20°C to +40°C
SELV	No
Building regulations	N/A
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	W	Colour	\cap \cap \cap \cap \cap \cap \cap \cap	lm	Llm/W	EM	Energy
		30W	4000K	80°	4500	150	-	A B
UNV5N40	Standard	35W	4000K	80°	5250	150	-	A B
014751440	non-dimmable	40W	4000K	80°	6000	150	-	A B
		45W	4000K	80°	6750	150	-	A B
		30W	4000K	80°	4500	150	-	å B
UNV5NM40	Microwave sensor	35W	4000K	80°	5250	150	-	â B
014V51N14U	non-dimmable	40W	4000K	80°	6000	150	-	â B
		45W	4000K	80°	6750	150	-	A B
		30W	4000K	80°	4500	150	-	A B
UNV5D40	DALI-2 dimmable	35W	4000K	80°	5250	150	-	A B
UNV5D40	DALI-2 dimmable	40W	4000K	80°	6000	150	-	A B
		45W	4000K	80°	6750	150	-	A B
		24W	4000K	80°	3600	150	-	â B
UNV5V40	1-10V dimmable	30W	4000K	80°	4500	150	-	â B
UNV5V4U	1-10V dirnmable	35W	4000K	80°	5400	150	-	â B
		40W	4000K	80°	6000	150	-	A B

Replace 'N' at the end of the part code with 'NE' for Emergency, 'NME' for Emergency microwave sensor, 'DE' for Emergency DALI-2 dimmable, and 'VE' for Emergency 0–10V. Plug-in kits are also available as separate accessories.

UNVKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	
UNVKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	
UNVKITDALIEM	DALI-2 Emergency plug-in Versabox	Sold Separately	
UNVKITMWS	MIcrowave Sensor on/off plug-in Versabox	Sold Separately	
UNREMOTEMWS	Remote for Mircowave Sensor	Sold Separately	
PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	337
PIRBOLTDIM	PIR Bolt-on Sensor Step-Dim (requires 0-10V driver)	Sold Separately	337



Uniform 5ft 1500mm

1500mm Surface Linear

Features

IK rating	IK08
IP rating	IP44 (ceiling surface mount) IP40 (suspended or wall mounted)
CSP switchable	Single CCT
Sensor option	Bolt-On PIR
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V 50/60Hz
LED lifetime	70,000h L80
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes, Self-Test

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Inrush current	15.4A 0.48ms
Construction material	Carbon Sheet Steel Housing, Polycarbonate Diffuser
Weight	3.7 kg
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	\hat{\circ}	W	ССТ	lm	lm/W	EM	Energy
		120°	20W	4000K	3000	150	-	A B
UNL5SN	Standard		23W	4000K	3450	150	-	A B
UNLSSIN	Standard	120	26W	4000K	3900	150	-	A B
			30W	4000K	4500	150	-	A B
		120°	20W	4000K	3000	150	325	å B
UNL5SNE			23W	4000K	3450	150	325	A B
ONLOGINE	Emergency		26W	4000K	3900	150	325	A B
			30W	4000K	4500	150	325	A B
UNL5SD	DALI-2 dimmable		30W	4000K	4500	150	-	A B
UNL5SDE	Emergency DALI-2 dimmable	120°	30W	4000K	4500	150	325	A B

Accessories

PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	337
EMBOLTMOPEN	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
EMBOLTMCOR	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
EMBOLTSOPEN	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	337
EMBOLTSCOR	Bolt-on emg conversion pack, Self-Test, 2001m	Sold Separately	337

Battens



Wattage switchable between 20W, 23W, 26W & 30W



Ultra-efficient up to 150 Llm/W



Quick and easy installation with Push-fit terminal

Guarantee

5 years (product), 3 years (emerg battery)

Features & benefits

Outstanding uniform lit effect

70,000 hours L80 lifetime

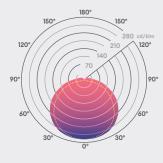
IP44 rated allows the product to be used in a wide range of applications

Bolt-on range of lighting controls and emergency conversion packs to aid fast availability

RGO (Risk Exempt) Photo-biological Risk

Suspension kit available (UNLSUS2M)

Beam angle: 120°





Battens



Wattage switchable between 20W, 23W, 26W & 30W



Ultra-efficient up to 150 Llm/W



Quick and easy installation with Push-fit terminal

Guarantee

5 years (product), 3 years (emerg battery)

Features & benefits

Outstanding uniform lit effect

70,000 hours L80 lifetime

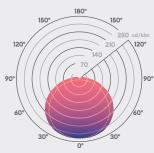
IP44 rated allows the product to be used in a wide range of applications

Bolt-on range of lighting controls and emergency conversion packs to aid fast availability

RG0 (Risk Exempt) Photo-biological Risk

Suspension kit available (UNLSUS2M)









Uniform 4ft 1200mm

1200mm Surface Linear

Features

IK rating	IK08
IP rating	IP44 (ceiling surface mount) IP40 (suspended or wall mounted)
CSP switchable	Single CCT
Sensor option	Bolt-On PIR
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V 50/60Hz
LED lifetime	70,000h L80
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes, Self-Test

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	15.4A 0.48ms
Construction material	Carbon Sheet Steel Housing, Polycarbonate Diffuser
Weight	3.2kg
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	△ :	W	ССТ	lm	lm/W	EM	Energy
			20W	4000K	2822	150	-	A B
UNL4SN	Standard	120°	23W	4000K	3383	150	-	A B
UNL43N	Standard	120	26W	4000K	3984	150	-	î B
			30W	4000K	4500	150	-	â B
			20W 4000K 2822 150	150	325	A B		
UNL4SNE	Emorgonov	120°	23W	4000K	3383	150	325	Å B
ONL43NE	INL4SNE Emergency		26W	4000K	3984	150	325	Å B
			30W	4000K	4500	150	325	Å B
UNL4SD	DALI-2 dimmable	120°	30W	4000K	4500	150	-	Å B
UNL4SDE	Emergency DALI-2 dimmable	120°	30W	4000K	4500	150	325	î B

	PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	337
	EMBOLTMOPEN	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
	EMBOLTMCOR	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
	EMBOLTSOPEN	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	337
	EMBOLTSCOR	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	337



Uniform 6ft 1800mm

1800mm Surface Linear

Features

IK rating	IK08
IP rating	IP44 (ceiling surface mount) IP40 (suspended or wall mounted)
CSP switchable	Single CCT
Sensor option	Bolt-On PIR
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V 50/60Hz
LED lifetime	70,000h L80
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes, Self-Test

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	15.4A 0.48ms
Construction material	Carbon Sheet Steel Housing, Polycarbonate Diffuser
Weight	4.6kg
Maximum ambient temperature	-20°C to +40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	\?\	W	ССТ	lm	lm/W	EM	Energy
			20W	4000K	2822	150	-	A B
UNL6SN	Standard	120°	23W	4000K	3383	150	-	A B
UNLOSIN Standard	120	26W	4000K	3984	150	-	A B	
		30W	4000K	4500	150	-	A B	
UNL6SNE Emergency			20W	4000K	2822	150	325	â B
	Emorgonov	120°	23W	4000K	3383	150	325	å B
	120	26W	4000K	3984	150	325	A B	
			30W	4000K	4500	150	325	A B
UNL6SD	DALI-2 dimmable	120°	30W	4000K	4500	150	-	A B
UNL6SDE	Emergency DALI-2 dimmable	120°	30W	4000K	4500	150	325	A B
		0					0	

Accessories

PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	337
EMBOLTMOPEN	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
EMBOLTMCOR	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
EMBOLTSOPEN	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	337
EMBOLTSCOR	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	337

Battens



Wattage switchable between 20W, 23W, 26W & 30W



Ultra-efficient up to 150 Llm/W



Quick and easy installation with Push-fit terminal

Guarantee

5 years (product), 3 years (emerg battery)

Features & benefits

Outstanding uniform lit effect

70,000 hours L80 lifetime

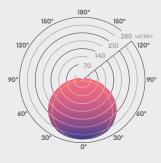
IP44 rated allows the product to be used in a wide range of applications

Bolt-on range of lighting controls and emergency conversion packs to aid fast availability

RGO (Risk Exempt) Photo-biological Risk

Suspension kit available (UNLSUS2M)

Beam angle: 120°





Battens



High efficacy of 130lm/W



Suspended gear tray for easy installation



Emergency option available

Guarantee

5 years (product), 2 years (emerg battery)

Features & benefits

Multiple fixing points and several wiring options

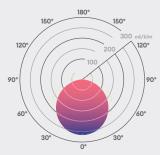
Flicker free

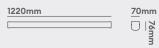
Ideal for sheds, garages and warehouses

MW sensing range adjustable, up to 4m high, 8m diameter

Diffuser is released by side buttons and is easily accessible through loop-in/loop-out terminals

Beam angle: 120°







Borealis 4ft 1200mm

4ft Single and Twin, LED Batten

Features

IK rating	IK06
IP rating	IP20
CSP switchable	Single CCT
Sensor option	On-Off Microwave sensor & daylight switching available
Dimmable option	Yes (DALI-2, 0-10V)
Input	220-240V 50/60Hz
LED lifetime	54,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	Loop in / Loop out
Inrush current	15A 0,2ms
Construction material	Steel body, white powder coating PC opal diffuser
Weight	1.44Kg, EM Version: 1.7Kg
Maximum ambient temperature	-20°C to +40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Size	Туре	w	ССТ	△ °	lm	lm/W	EM	Energy
BT4SD40	Single	DALI-2 dimmable	20W	4000K	120°	2600	130	-	A D
BT4SD40EM	Single	Emergency DALI-2 dimmable	20W	4000K	120°	2600	130	250	A D
BT4SS40	Single	Standard	20W	4000K	120°	2600	130	-	A D
BT4SS40EM	Single	Emergency	20W	4000K	120°	2600	130	250	A D
BT4SV40	Single	1-10V dimmable	20W	4000K	120°	2600	130	-	A D
BT4TD40	Twin	DALI-2 dimmable	40W	4000K	120°	5200	130	-	A D
BT4TD40EM	Twin	Emergency DALI-2 dimmable	40W	4000K	120°	5200	130	250	A D
BT4TS40	Twin	Standard	40W	4000K	120°	5200	130	-	A D
BT4TS40EM	Twin	Emergency	40W	4000K	120°	5200	130	250	A D
BT4TV40	Twin	1-10V dimmable	40W	4000K	120°	5200	130	-	A D

Wiring information

Cable required for connector H05RN-F cable diameter 4 - 10mm, max conductor size 3x 1.5mm²

Type of wiring required Parallel

BTSK1	Suspension Kit - 2 steel wires, with holders.	Sold Separately	337
PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	337
PIRBOLTDIM	Dimming PIR Sensor with Lux Level switch 0-2000lx	Sold Separately	337
PIRBOLTDIMR	Remote control for use with PIRBOLTDIM	Sold Separately	337
EMBOLTMOPEN	Bolt-on emg conversion pack, Man-Test, 2001m	Sold Separately	337
EMBOLTMCOR	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
EMBOLTSOPEN	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	337



Borealis 5ft 1500mm

5ft Single and Twin, LED Batten

Features

IK rating	IK06
IP rating	IP20
CSP switchable	Single CCT
Sensor option	On-Off Microwave sensor & daylight switching available
Dimmable option	Yes (DALI-2, 0-10V)
Input	220-240V 50/60Hz
LED lifetime	54,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	Loop in / Loop out
Inrush current	20A 0,2ms
Construction material	Steel body, white powder coating PC opal diffuser
Weight	1.77Kg, EM Version: 2.03Kg
Maximum ambient temperature	-20°C to +40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Size	Туре	W	ССТ	\?\!	lm	lm/W	EM	Energy
BT5SD40	Single	DALI-2 dimmable	32W	4000K	120°	4160	130	-	A D
BT5SD40EM	Single	Emergency DALI-2 dimmable	32W	4000K	120°	4160	130	250	A D
BT5SS40	Single	Standard	32W	4000K	120°	4160	130	-	A D
BT5SS40EM	Single	Emergency	32W	4000K	120°	4160	130	250	â D
BT5SV40	Single	1-10V dimmable	32W	4000K	120°	4160	130	-	â D
BT5TD40	Twin	DALI-2 dimmable	54W	4000K	120°	7020	130	-	Å E
BT5TD40EM	Twin	Emergency DALI-2 dimmable	54W	4000K	120°	7020	130	250	A E
BT5TS40	Twin	Standard	54W	4000K	120°	7020	130	-	A E
BT5TS40EM	Twin	Emergency	54W	4000K	120°	7020	130	250	A E
BT5TV40	Twin	1-10V dimmable	54W	4000K	120°	7020	130	-	A E

Wiring information

Cable required for connector H05RN-F cable diameter 4 - 10mm, max conductor size 3x 1.5mm² Type of wiring required Parallel

Accessories

BTSK1	Suspension Kit - 2 steel wires, with holders.	Sold Separately	337
PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	337
PIRBOLTDIM	Dimming PIR Sensor with Lux Level switch 0-2000lx	Sold Separately	337
PIRBOLTDIMR	Remote control for use with PIRBOLTDIM	Sold Separately	337
EMBOLTMOPEN	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
EMBOLTMCOR	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
EMBOLTSOPEN	Bolt-on emg conversion pack, Self-Test, 2001m	Sold Separately	337

Battens



High efficacy of 130lm/W



Suspended gear tray for easy installation



Emergency option available

Guarantee

5 years (product), 2 years (emerg battery)

Features & benefits

Multiple fixing points and several wiring options

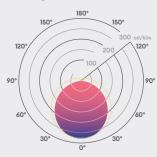
Flicker free

Ideal for sheds, garages and

MW sensing range adjustable, up to 4m high, 8m diameter

Diffuser is released by side buttons and is easily accessible through loop-in/loop-out terminals

Beam angle: 120°



0mm
76m

Battens



High efficacy of 124lm/W



Suspended gear tray for easy installation



Emergency option available

Guarantee

5 years (product), 2 years (emerg battery)

Features & benefits

Multiple fixing points and several wiring options

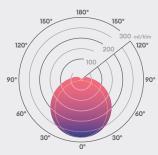
Flicker free

Ideal for sheds, garages and warehouses

MW sensing range adjustable, up to 4m high, 8m diameter

Diffuser is released by side buttons and is easily accessible through loop-in/loop-out terminals

Beam angle: 120°



1828mm	<u>70</u> mn
	3



Borealis 6ft 1800mm

6ft Single and Twin, LED Batten

Features

IK rating	IK06
IP rating	IP20
CSP switchable	Single CCT
Sensor option	On-Off Microwave sensor & daylight switching available
Dimmable option	Yes (DALI-2, 0-10V)
Input	220-240V 50/60Hz
LED lifetime	54,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	Loop in / Loop out
Inrush current	20A 0,2ms
Construction material	Steel body, white powder coating PC opal diffuser
Weight	2.09Kg, EM Version: 2.35Kg
Maximum ambient temperature	-20°C to +40°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Size	Туре	W	ССТ	\hat{\circ}	lm	lm/W	EM	Energy
BT6SD40	Single	DALI-2 dimmable	42W	4000K	120°	5200	124	-	A D
BT6SD40EM	Single	Emergency DALI-2 dimmable	42W	4000K	120°	5200	124	250	A D
BT6SS40	Single	Standard	42W	4000K	120°	5200	124	-	â D
BT6SS40EM	Single	Emergency	42W	4000K	120°	5200	124	250	âD
BT6SV40	Single	1-10V dimmable	42W	4000K	120°	5200	124	-	â D
BT6TD40	Twin	DALI-2 dimmable	70W	4000K	120°	8680	124	-	A E
BT6TD40EM	Twin	Emergency DALI-2 dimmable	70W	4000K	120°	8680	124	250	A E
BT6TS40	Twin	Standard	70W	4000K	120°	8680	124	-	A E
BT6TS40EM	Twin	Emergency	70W	4000K	120°	8680	124	250	A E
BT6TV40	Twin	1-10V dimmable	70W	4000K	120°	8680	124	-	A E

Wiring information

 Cable required for connector
 H05RN-F cable diameter 4 - 10mm, max conductor size 3x 1.5mm²

 Type of wiring required
 Parallel

BTSK1	Suspension Kit - 2 steel wires, with holders.	Sold Separately	337
PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	337
PIRBOLTDIM	Dimming PIR Sensor with Lux Level switch 0-2000lx	Sold Separately	337
PIRBOLTDIMR	Remote control for use with PIRBOLTDIM	Sold Separately	337
EMBOLTMOPEN	Bolt-on emg conversion pack, Man-Test, 2001m	Sold Separately	337
EMBOLTMCOR	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	337
EMBOLTSOPEN	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	337

Borealis & Uniform accessories

Make your batten perfect for your installation

Optional PIR sensor and emergency accessories combine excellence and unrivalled cost savings.

Use the tables below to choose the perfect accessory for your batten

	PIRBOLT (PIR)	PIRBOLTDIM (PIR)	PIRBOLTDIMR (PIRBOLTDIM Remote)	EMBOLT (Emergency)	BTSK1	UNLSUS2M
Accessory on it's own	-			•		2 4
Accessory on product						·

Product codes

Product Code	Description	Guarantee
PIRBOLT	On/Off PIR sensor with Lux level switch	5 Years
PIRBOLTDIM	Dimming PIR Sensor with Lux level switch (requires 0-10V driver)	5 Years
PIRBOLTDIMR	Remote control for use with PIRBOLTDIM	5 Years
EMBOLTMCOR	3 hour emergency conversion pack, corridor area, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTMOPEN	3 hour emergency conversion pack, open area, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTSCOR	3 hour emergency conversion pack, corridor area, self-test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTSOPEN	3 hour emergency conversion pack, open area, self-test	4 years guarantee of the electronics 2 years guarantee of the battery
BTSK1	Suspension kit for Borealis LED battens	5 years extended warranty
UNISUS2M	2M Suspension Kit for Uniform CSP	5 years warranty

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with

	Uniform Versa 5ft Page 330	Uniform 4ft Page 332	Uniform 5ft Page 331	Uniform 6ft Page 333	Borealis 4ft Single Page 334	Borealis 4ft Twin Page 334	Borealis 5ft Single Page 335	Borealis 5ft Twin Page 335	Borealis óft Single Page 336	Borealis 6ft Twin Page 336
PIRBOLT	•	•	•	•	•	•	•	•	•	•
PIRBOLTDIM	•				•	•			•	•
EMBOLTMCOR	•	•		•	•	•		•	•	•
EMBOLTMOPEN	•	•								
EMBOLTSCOR	•	•		•	•	•		•	•	•
EMBOLTSOPEN	•									
BTSK1									•	
UNLSUS2M	•									
PIRBOLTDIMR	Compatible w	vith PIRBOLT	MIC							

Battens



IP66 for total dust ingress protection



IK10 rated high resistance against impact and vadalism



Tool-less installation method making for a fast installation

Guarantee

5 years guarantee

Features & benefits

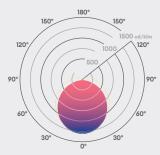
Designed for industrial and residential applications

Lightweight for easy handling

Through-wired as standard so luminaires when wired together light up as a group

Mounting brackets slide entire length of luminaire to help make refurbishment easier

Beam angle: 130°



1200mm	<u>70.5</u> mm
	66.5mm



Polaris 4ft 1200mm

Single & Twin

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Single CCT
Sensor option	No
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM
Emergency option	No

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	POL112N: 26A 0.15ms POL212N: 26A 0.1ms
Construction material	Anti-UV Polycarbonate
Weight	1kg
Maximum ambient temperature	-20°C to +30°C
SELV	No
Building regulations	Part P
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Туре	W	сст	△ °	lm	lm/W	EM	Energy
POL112N	Standard	20W	4000K	130°	2600	130	-	â D
POL212N	Standard	34W	4000K	130°	4700	138	-	Î D

Wiring information

Cable required for connector	0.75-2.5mm ²
Type of wiring required	Parallel

N/A	No accessories required





Polaris 5ft 1500mm

Single & Twin

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Single CCT
Sensor option	No
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM
Emergency option	No

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	POL115N: 23A 0.11ms POL215N: 12A 0.14ms
Construction material	Anti-UV Polycarbonate
Weight	1.1kg
Maximum ambient temperature	-20°C to +30°C
SELV	No
Building regulations	Part P
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Туре	W	сст	△ °	lm	lm/W	EM	Energy
POL115N	Standard	30W	4000K	130°	4000	133	-	a D
POL215N	Standard	50W	4000K	130°	6750	135	-	Î D

Wiring information

Cable required for connector0.75-2.5mm²Type of wiring requiredParallel

Accessories

N/A No accessories required

Battens



IP66 for total dust ingress protection



IK10 rated high resistance against impact and vadalism



Tool-less installation method making for a fast installation

Guarantee

5 years guarantee

Features & benefits

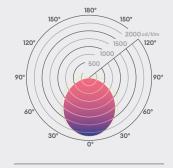
Designed for industrial and residential applications

Lightweight for easy handling

Through-wired as standard so luminaires when wired together light up as a group

Mounting brackets slide entire length of luminaire to help make refurbishment easier

Beam angle: 130°





Commercial outdoor

Adding light to exterior spaces

Our range of commercial outdoor products are suitable for many applications such as the exteriors of office buildings, car parks and ponds

Complete exterior solution

Our range of outdoor exterior lights designed to work perfectly together.























Arc / Arc Pro
Perimeter light

Halo Entrance light

Building / Landscape light

FountainPond light

Hydra Cyclo Pathway / Car park light

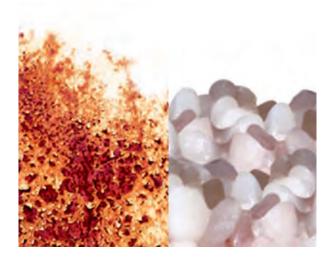
Coastal protection

Rust & salt mist protection

With corrosion resistant protection and coastal protective paint, Arc Pro, Halo, Tilt, Fountain and Hydra bollards are perfect for use in coastal areas.

Advantages

- Feel confident you can install our products anywhere.
- Can be installed into coastal areas without any worry of products failing.



IK & IP ratings

Our commercial outdoor products are either IK08 & IK10, which ensures a high impact resistance that accidental collisions will not adversely effect the performance of the product. Combine this with IP65 upto IP67 rated allows the product to be used in a wide range of applications.





5 year warranty

Offering a five-year warranty, on all our commercial outdoor range, so you can be assured of our commitment to quality.

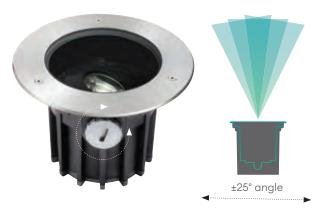


Landscape lighting

Ideal for building exteriors and landscape features.

Tilt ground light adjustble light module

Our Tilt ground light has the flexibility to turn the dial to adjust beam angle direction by $\pm 25^{\circ}$



Tilt ground light is available in TRIAC, DALI-2 or RGBW options



Water feature lighting

Fountain

The fountain water light is available in ethier on/off 24V DC or RGBW (600mA) suitable to cover a wide range of water applications.





With a one and half inch BSP thread, allows the installer to custom create applications.





Perimeter lighting

Perfect for lighting up building exteriors and perimeters providing functional illumination.

Energy savings

Automatically switch the light **off** during daylight and when there is no presence to save energy.

Advantages

- Save energy
- · Save money



Motion detection (Halo) (Cyclo)

Turns lights on with movement



Daylight switching

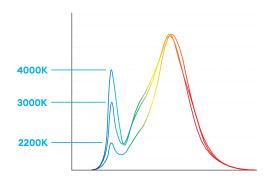
Holds light off during daylight hours

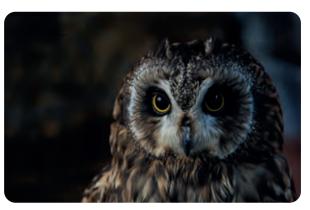
Warmer light

2200K Ember light

Minimising the blue light content of outdoor lighting is key to improving the survival and growth rates of nocturnal animals.

That's why Collingwood is introducing outdoor lighting with 2200K. The amount of blue light in 2200K is significantly less than 4000K or even 3000K.





Choosing the ideal Hydra bollard

For your installation

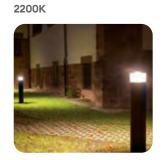
Use the four easy steps below to select the perfect bollard for your installation.

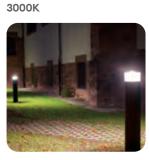


· This is required for your bollard installation, unless you are fitting the head to an existing post of the same diameter.

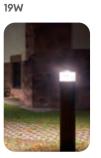
CCT & Wattage switchable: one light, two CCT temperatures and three wattage outputs

Hydra colour and wattage switchable bollard allows you to stock 2 colour temperatures (2200K & 3000K) and 3 wattage outputs (14W, 19W & 24W) in 1 product.











Hydra & Cyclo bollard light distribution

The two bollard families have a different distribution of light according to their different styles, and is also affected by the bollard height. See below for a handy overview of the spacing between the bollards in order to achieve a consistent light level of 20lux.

Hydra bollards Cyclo bollards **HYB1CONEB** OU391WW24 Hydra black reflector 813mm high bollard with 360° illumination Cyclo 955mm high bollard with 360° illumination For a pathway consistently lit at 20 lux: For a pathway consistently lit at 20 lux: 14w - 10m distance 24w - 15m distance 19w - 12.5m distance 24w - 15m distance 15m 14w - 10m **HYB1CONES** OU516WW24 Hydra Silver reflector 813mm high bollard with 360° illumination Cyclo 600mm high bollard with 360° illumination For a pathway consistently lit at 20 lux: For a pathway consistently lit at 20 lux: 14w - 10m distance 24w - 15m distance 19w - 12.5m distance 24w - 15m distance 14w - 10m 15m

HYB1OPALW

Hydra opal white 813mm high bollard with 360° illumination

For a pathway consistently lit at 20 lux: 14w - 4m distance 19w - 5m distance

24w - 6.5m distance



Commercial Outdoors



CCT switchable between 3000K, 4000K & 5000K



Up to 165lm/W efficacy



Integral photocell as standard

Guarantee

5 years

Features & benefits

Designed to illuminate a pathway efficiently and safely, whilst preserving the habitat

Highly energy efficient with up to 165 luminaire lumens per watt for low total cost over luminaire's lifetime

Anti-glare optical control designed to reduce upward sky glow

Set to 3000K as standard (CCT switchable) to minimise low blue light content

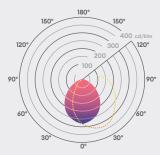
Integral photocell to switch the light ON at dusk and OFF at dawn

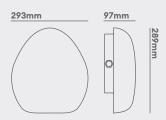
Slim 97mm profile integrates discreetly to the building architecture

Removeable backplate to aid fast installation

Part of the 'Collingwood in colour' collection anthracite family.

Beam angle: 98*114°







Arc

Wallpack suitable for 3m (10W) or 4m (17W) mounting height

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	PC Dusk to Dawn
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	54,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Bathroom zone	2
Inrush current	16A 0.2ms
Construction material	ADC12 Aluminium alloy, uv-resistant polycarbonate lens, stainless steel 304 screws
Suitable for coastal areas	No
Weight	2.6kg
Maximum ambient temperature	-30°C to +50°C
Mounting options	Wall
Electric class (1, 2, 3)	1

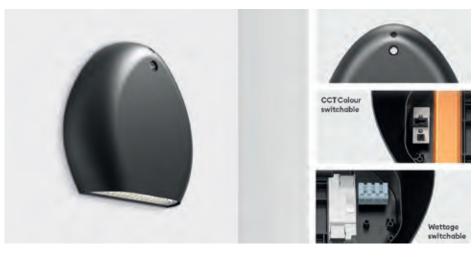
Photometrics @ 25°C

Product code	Туре	Finish	W	Colour	△ °	lm	lm/W	Energy
				3000K	98*114°	1550	155	
ARA1N	Standard	Anthracite grey RAL7016	10W	4000K	98*114°	1650	165	å C
				5000K	98*114°	1600	160	
	ARAINE Emergency			3000K	98*114°	1550	155	
ARA1NE		Anthracite grey RAL7016	10W	4000K	98*114°	1650	165	å c
		10 (2) 010		5000K	98*114°	1600	160	
ARA2N Standard	Anthracite grey	17W	3000K	98*114°	2600	153		
			4000K	98*114°	2750	162	å c	
				5000K	98*114°	2700	159	
		Anthracite grey		3000K	98*114°	2600	153	
ARA2NE Emergency	Emergency		17W	4000K	98*114°	2750	162	A C
	10 (2) 01			5000K	98*114°	2700	159	

Wiring information

Cable / flying lead	No flying leads are required; a loop-in, loop-out terminal is supplied.
Type of wiring required	Parallel

AREMGKIT	Arc Emergency Spare Kit	Sold Separately



Arc Pro CSP

0% ULOR Wallpack suitable for mounting heights from 2.5 up to 4 metres

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	PC Dusk to Dawn
Dimmable option	Yes (DALI-2)
Input	220-240V 50/60Hz
LED lifetime	54,000h L70
CRI	80 Ra
SDCM	4 SDCM
Emergency option	Yes

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Bathroom zone	2
Inrush current	23A
Construction material	Double powder coated ADC12 aluminium alloy, uv-resistant polycarbonate lens, stainless steel 316 screws
Suitable for coastal areas	Yes
Weight	2.6kg
Maximum ambient temperature	-30°C to +50°C
Mounting options	Wall
Electric class (1, 2, 3)	1

Photometrics @ 25°C

6W 2700K 140° x 70° 850 142 3000K 140° x 70° 850 142 2700K 140° x 70° 1100 138
3000K 140° x 70° 850 142 2700K 140° x 70° 1100 138
3000K 140° x 70° 1100 138
ARPBIN Standard Matt Black 2700K 140° x 70° 1400 127
RAL9005 1000 3000K 140° x 70° 1400 127
2700K 140° x 70° 1650 138
3000K 140° x 70° 1650 138
2700K 140° x 70° 2000 133
3000K 140° x 70° 2000 133
2700K 140° x 70° 850 142
3000K 140° x 70° 850 142
2700K 140° x 70° 1100 138
3000K 140° x 70° 1100 138
ARPBINE Emergency Matt Black 2700K 140° x 70° 1400 127
RAL9005 3000K 140° x 70° 1400 127
2700K 140° x 70° 1650 138
3000K 140° x 70° 1650 138
2700K 140° x 70° 2000 133
3000K 140° x 70° 2000 133

Wiring information

 Cable / flying lead
 No flying leads are required; a loop-in, loop-out terminal is supplied.

 Type of wiring required
 Parallel

Commercial Outdoors



CCT switchable between 2700K & 3000K (default)



Wattage Switchable between 6,8,10,12, & 15W



Integral photocell as standard

Guarantee

5 years

Features & benefits

Custom Optical lens design providing excellent forward throw

0% ULOR (Upward Light Output Ratio) for avoid light pollution

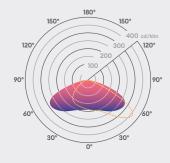
Suitable for coast - C5-M corrosion classification (ISO 9223 : 2012)

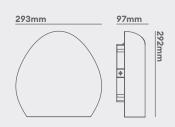
Designed to illuminate a pathway efficiently and safely, whilst preserving the habitat

Integral photocell to switch the light ON at dusk and OFF at dawn

Removeable backplate to aid fast installation

Beam angle: 140° x 70°





Commercial **Outdoors**



360-degree lit effect



IK10 perfect for external use



CCT switchable between 3000K, 4000K & 5700K

Guarantee

5 years

Features & benefits

HALO lit effect provides a 360-degree soft glow around the product to help the entrance of your building create interest and appear welcoming

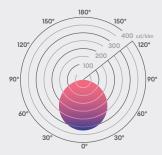
Set to 3000K as standard to minimise low blue light content and disruption to the nocturnal ecosystem

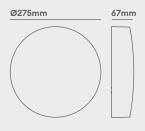
Option to have integral microwave sensor to automatically switch the light OFF during daylight and when there is no presence to save energy

Emergency product (only) features a simple push-button to make it easy to test the battery status

Suitable for use in a coastal

Beam angle: 110°









Halo Wall Light 12W Wall Light CSP Switchable

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	50.000h L70
	30,00011 170
CRI	80 Ra
CRI SDCM	,

Installation information

Install connector type	Loop in / Loop out
Bathroom zone	2
Inrush current	7.36A 0.03ms
Construction material	Polycarbonate
Suitable for coastal areas	Yes
Weight	WLHAIN: 0.890kg WLHAINE: 1.020kg WLHAIM: 0.940kg WLHAIME: 1.07kg
Maximum ambient temperature	-20°C to +45°C
Mounting options	Wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Туре	Finish	W	Colour	△ :	lm	lm/W	Energy	
				3000K	110°	1250	104		
WLHA1M	Microwave sensor	Anthracite grey RAL7016	12W	4000K	110°	1300	108	A D	
				5700K	110°	1350	113		
				3000K	110°	1250	104		
WLHAIME Emergency Microwave sensor	Anthracite grey RAL7016	12W	4000K	110°	1300	108	A D		
				5700K	110°	1350	113		
WLHAIN Standard				3000K	110°	1250	104		
	Anthracite grey RAL7016	12W	4000K	110°	1300	108	ā D		
				5700K	110°	1350	113		
	Emergency Anthracite grey F				3000K	110°	1250	104	
WLHA1NE		Anthracite grey RAL7016	12W	4000K	110°	1300	108	A D	
			5700K	110°	1350	113			

Wiring information

Cable / flying lead	2x 6242Y 1.5mm² Twin and Earth Cables or H05RN-F 3x 1.0mm²
Type of wiring required	Parallel

WLHAEYE	Halo Wall Light CCT Anthracite Evelid Accessory	Sold Separately







Tilt Adjustable Ground Light Straight to Mains, DALI-2 dimmable

Features

IK rating	GLTM_14: IK08; GLTM_16: IK10; GLTM_19: IK10; GLTM_22: IK10
IP rating	IP67
CSP switchable	Single CCT
Walk over / Drive over	Drive over (15mph maximum)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	147/165/193/223mm
Bathroom zone	2
Inrush current	GLTM_14: 0.55A 0.14ms, GLTM_16: 0.45A 0.5ms, GLTM_19: 0.025ms, GLTM_22: 0.5A 0.3ms
Construction material	Anodised aluminium body, 316 SS bezel
Suitable for coastal areas	Yes
Weight	GLTM_14: 1.56kg, GLTM_16: 2.03kg, GLTM_19: 3.26kg, GLTM_22: 3.98kg
Maximum ambient temperature	-25°C to 40°C
SELV	N/A
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	сст	△ :	lm	lm/W	Energy
GLTMS147D30	Stainless steel 316	10W	3000K	34°	1000	100	E
GLTMS165D30	Stainless steel 316	18W	3000K	34°	1600	89	A E
GLTMS193D30	Stainless steel 316	23W	3000K	34°	2300	100	A E
GLTMS223D30	Stainless steel 316	28W	3000K	34°	3300	100	A E

Wiring information

Cable / flying lead	Pre-wired 1.0M H05RN-F, 3x1.0mm2
Type of wiring required	Parallel

Accessories

DM298FP	Faceplate rotary mains dimmer	Sold Separately	73
DM298GRID	Grid rotary mains dimmer	Sold Separately	73
JB5	Gel filled waterproof connector	Sold Separately	464

Commercial **Outdoors**



IP67 for complete protection against ingress of dust and water



IK10 for protection against high impact



Suitable for coastal applications

Guarantee

5 years

Features & benefits

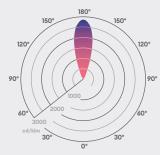
Tilt angle of luminaire is adjustable, just turn knob to tilt the light distribution up to 25 degrees

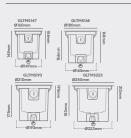
Static loading capacity is 2000kg

Pre-wired with 1 meter of cable to aid the installer

TRIAC mains dimmable and RGBW options also available

Beam angle: 34°





Commercial Outdoors



IP68 suitable for full submersion into water



IK08 for protection against high impact



Suitable for coastal C5 application and high acid and alkali environment use

Guarantee

5 years

Features & benefits

316 Stainless steel housing and titanium cover provides outstanding corrosion resistance

Clear but strong 8mm tempered glass cover provides high efficiency and clear colour accuracy

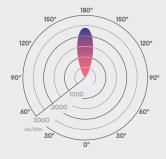
TRIAC mains dimmable as standard with RGBW option

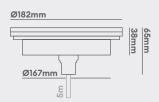
Pre-wired with 5 metres of cable to aid the installer

To be installed under water to prevent over-heating

RGBW version avaliable

Beam angle: 35°











Fountain

Water feature light

Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over
Input	24V DC
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 167mm
Bathroom zone	0,1 (with dimming)
Construction material	316 Stainless Steel
Suitable for coastal areas	Yes
Weight	2.58kg
Maximum ambient temperature	-25°C to +40°C
SELV	Yes
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
FOUX167N30	Stainless steel 316	25W	3000K	35°	1700	68	A B

Wiring information

Cable / flying lead	Pre-wired 5.0M H05RN-F, 2x1.0mm2	
Type of wiring required	Parallel	

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
PS5024	220-240V	Yes	No	0	1 to 2
LSD12024	220-240V	Yes	No	0	1 to 4
PSIP25024	220-240V	Yes	No	0	1 to 10

JB5	Gel filled waterproof connector	Sold Separately	464
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Cyclo Sensor Round-terminal PIR bollard

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM

Installation information

Inrush current	N/A
Construction material	Cast Aluminium
Suitable for coastal areas	No
Weight	5.500kg
Maximum ambient temperature	-10°C to 50°C
SELV	No
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product o	ode	Finish	Height	W	ССТ	<i>△</i> :	lm	lm/W	Energy
OU391W\	W24	Anthracite grey RAL7016	955mm	24W	3000K	360°	1660	69	A G
OU516W\	N24	Anthracite grey RAL7016	600mm	24W	3000K	360°	1660	69	A B

Wiring information

Cable / flying lead	>0.75m²
Type of wiring required	Parallel

Accessories

OU39224	180° Reflector	Sold Separately
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Commercial **Outdoors**



IK10 for protection against high impact



IP65 ideal for car parks and walk ways



PIR sensor included

Guarantee

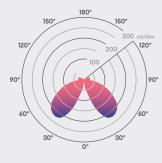
5 years

Features & benefits

Low glare 360° illumination, ideal for pathways, boundary marking, or general illumination of exterior spaces

90° PIR sensor, detection area adjustable to 5m max

Beam angle: 360°





Commercial **Outdoors**



IK10 for a robust fitting



CCT Switchable between 3000K & 2200K



Wattage Switchable between 14W, 19W & 24W

Guarantee

5 years

Features & benefits

Interchangeable top head provides easy maintenance

Choice of cone or opal aesthetics & light distribution

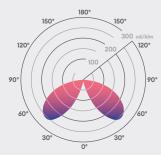
Choice of cone or opal aesthetics & light distribution

CCT switch set to 3000K as default

New 2200K to minimise effects of

Must be sold with HYBXBOLLARD

Beam angle: 360°







Hydra Bollard Black reflector

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	6 SDCM

Installation information

Inrush current	30A 0.15ms
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	2kg
Maximum ambient temperature	-40°C to 45°C
SELV	No
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Туре	Finish	w	Colour	△ °	lm	lm/W	Energy
			14W	2200K	360°	1000	71	
			I-+ V V	3000K	360°	1150	82	
HYB1CONEB	Standard Blac	Black	19W	2200K	360°	1400	74	D
HIBICONED	Staridard	DIUCK	17 V V	3000K	360°	1500	79	Ġ 🐷
			24W	2200K 360° 1700 71	71			
			∠ 4 v v	3000K	360°	1800	75	
			14W	2200K	360°	1000	71	
				3000K	360°	1150	82	
HYB1CONEBPC	Photocell	Plack	Black 19W	2200K	360°	1400	74	Î D
HIBICONEDPC	Photocell Black	BIUCK		3000K	360°	1500	79	6
			24W	2200K	360°	1700	71	
			24W	3000K	360°	1800	75	

Wiring information

Cable required for connector 3x 0.75 - 2.5mm² Type of wiring required

HYBXBOLLARD	Hydra post and ground kit	Sold Separately	353
HYBXROOTKIT	Hydra mounting kit for soft ground	Sold Separately	353
HYBXBOLTKIT	Hydra expansion bolt kit for concrete	Sold Separately	353





Hydra Bollard Silver reflector

Interchangable top head bollard

Features

IK10
IP65
Switchable CCT
220-240V 50/60Hz
50,000h L80
80 Ra
6 SDCM

Installation information

Inrush current	30A 0.15ms
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	2kg
Maximum ambient temperature	-40°C to 45°C
SELV	No
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Туре	Finish	w	Colour	△ °	lm	lm/W	Energy
			14W	2200K	360°	1300	93	
			I-+ V V	3000K	360°	1500	107	
HYB1CONES	Standard	Silver	19W	2200K	360°	1800	95	îD
HIBICOINES	Staridara	Silvei	17 V V	3000K 360° 1950 103	103	Ġ w		
			24W	2200K	360°	2250	94	
			Z4VV	3000K	360°	2400	100	
HYBICONESPC			14W	2200K	360°	1300	93	Î D
			144	3000K	360°	1500	107	
	Photocell	Silver	19W	2200K	360°	1800	95	
	Filotoceii	Silvei	17 VV	3000K	360°	1950	103	
			24141	2200K	360°	2250	94	
			24W	3000K	360°	2400	100	

Wiring information

Cable required for connector 3x 0.75 - 2.5mm²

Type of wiring required Parallel

Accessories

HYBXBOLLARD	Hydra post and ground kit	Sold Separately	353
HYBXROOTKIT	Hydra mounting kit for soft ground	Sold Separately	353
HYBXBOLTKIT	Hydra expansion bolt kit for concrete	Sold Separately	353

Commercial Outdoors



IK10 for a robust fitting



CCT Switchable between 3000K & 2200K



Wattage Switchable between 14W, 19W & 24W

Guarantee

5 years

Features & benefits

Interchangeable top head provides easy maintenance

Choice of cone or opal aesthetics & light distribution

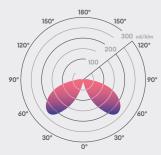
CCT switch set to 3000K as default

CCT switch set to 3000K as default

New 2200K to minimise effects of blue light

 $\hbox{Must be sold with HYBXBOLLARD}$

Beam angle: 360°





Commercial **Outdoors**



IK10 for a robust fitting



CCT Switchable between 3000K & 2200K



Wattage Switchable between 14W, 19W & 24W

Guarantee

5 years

Features & benefits

Interchangeable top head provides easy maintenance

Choice of cone or opal aesthetics & light distribution

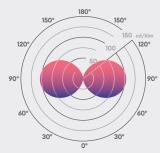
CCT switch set to 3000K as default

CCT switch set to 3000K as default

New 2200K to minimise effects of

Must be sold with HYBXBOLLARD









Hydra Bollard Opal white Interchangable top head bollard

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Input	220-240V 50/60Hz
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	6 SDCM

Installation information

Inrush current	30A 0.15ms
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	2kg
Maximum ambient temperature	-40°C to 45°C
SELV	No
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Туре	Finish	w	Colour	△ °	lm	lm/W	Energy
			14W	2200K	360°	1050	75	
			I-+ V V	3000K	360°	1200	86	
HYB1OPALW	Standard	White	19W	2200K	360°	1450	76	A D
HTBIOPALW	Standard	wnite	1900	3000K	360°	1550	82	Ġ w
			24W	2200K	360°	1750	73	
			Z4VV		79			
			14W	2200K	360°	1050	75	
				3000K	360°	1200	86	
HYB1OPALWPC	Photocell	White	19W	2200K	360°	1450	76	
HIBIOFALWPC	Photoceii white	write	17 VV	3000K	360°	1550	82	
			24W	2200K	360° 1750	1750	73	
			24W	3000K	360°	1900	79	

Wiring information

Cable required for connector $3 \times 0.75 - 2.5 \text{mm}^2$ Type of wiring required

HYBXBOLLARD	Hydra post and ground kit	Sold Separately	353
HYBXROOTKIT	Hydra mounting kit for soft ground	Sold Separately	353
HYBXBOLTKIT	Hydra expansion bolt kit for concrete	Sold Separately	353

Hydra accessories

Make your bollard perfect for your installation

When ordering your bollard head, you must order HYBXBOLLARD (post and ground kit) See other accesories below

Use the tables below to choose the perfect accessory for your Hydra bollard



Product codes

Product Code	Description	Guarantee
HYBXBOLLARD	Post with ground kit for Hydra Bollard	5 years
HYBXBOLTKIT	Expansion bolt kit for Hydra Bollard	5 years
HYBXROOTKIT	Root mounting kit for Hydra Bollard	5 years
HYBXSPILLKIT	Spill light kit for Hydra Bollard	5 years

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with

	Hydra Black HYBICONEB Page 350	Hydra Black - Photcell HYBICONEBPC Page 350	Hydra Silver HYBICONES Page 351	Hydra Silver - Photocell HYBICONESPC Page 351	Hydra Opal white HYBIOPALW Page 352	Hydra Opol white Photoell HYBIOPALWPC Page 352
HYBXBOLLARD	•	•	•	•	•	•
HYBXBOLTKIT	•	•	•	•	•	•
HYBXROOTKIT	•	•	•	•	•	•
HYBXSPILLKIT	•	•	•	•	•	•

Emergency

Proud members of the ICEL, our emergency range of BS EN 60598-2-22-2014 compliant features bulkheads, exit boxes, exit blades, escape routes and a twin spot, all complying with ISO 3864-1, backed up by the Collingwood quality you can trust. The emergency range has a low operating running costs across the long product lifetime, and a three hour duration.

Our comprehensive range of emergency lighting comes in both manual and self-test options, all providing illumination levels which far exceed the legal requirements. The emergency range is ideal for all non-domestic buildings, this includes the exits themselves, plus all the pathways, corridors and stairwells that lead to them, and ensures a safe exit sign when the mains power fails.

Our maintained emergency lights provide illumination under mains power and remain lit under battery power in the event of a mains failure. The non-maintained lights operate only in the event of a power failure.



Emergency





A complete solution for emergency lighting in commercial and industrial areas, complete with the very latest LED and battery technology.

Emergency range

The Collingwood emergency range is safe, reliable and full of market leading performance features. It has low operational running costs across the long product lifetime. The complete range features bulkheads, exit boxes, exit blades, escape routes and twin spots, all complying with ISO 3864-1.









Mount on corridor ceilings

Mount above exits

Light up areas

Light up open areas











1 Blade

2 Box

3 Bulkhead

(4) Route

(5) Max

Long-life LiFeP04 lithium battery

Greener & longer lasting

LiFeP04 are at the forefront of battery technology, with a smaller footprint than other battery types.

There is a long-life span, and can last up to ten times longer than traditional battery types.
The battery recharge rate is quicker than traditional types too.
The efficiency of these batteries extends into performance; charge and discharge, which can reach over 90%, which means very little energy is wasted.

5 year warranty

Offering a five-year warranty, so you can be assured of our commitment to quality.

IP Rating

The exit blade, box, escape route and surface lights are all IP20 rated. Bulkhead and twin spot are IP65 rated. Max is IP66 rated

Maintained Vs Non-maintained

Maintained

Maintained emergency fittings can be turned on / off when the mains is on.

Non-maintained

The 'non-maintained' luminaire are the ones that the light source is off when the mains power is on. For instance, our escape route emergency luminaire, which light remains off and only turn on when the mains power goes down.

Choosing the ideal emergency light

For your installation

There are a number of choices you need to make when choosing a suitable product for your application. We have added in some explanations to make this decision easier.

Self-test Vs Manual test

Regular tests need to be conducted on the emergency fittings to ensure they are still performing correctly. The two tests which need to be conducted are for emergency light operation and the battery duration. There are two methods of conducting this test, a manual test and a self-test.

Manual test

A manual test can be performed locally by pressing the product test button that forces the emergency luminaire to go into emergency mode, or by switching off the mains.

The inspection is done in real-time, visually, by the operator in charge of the test.

Self-test

The self-test unit automatically performs numerous tests in the background. Any failure is indicated by the LED, that can start to blink or change its colour, depending on the product type.

The inspection is done by visually checking the LED indicator status.

The inspection frequency tests required are determined by EN 50172, which our products comply with. It should last as long as it is needed to make the emergency light source turn on, so in case of our products, only a few seconds.

The battery duration test should be performed at least yearly. It should last for the rated battery duration, so for manual test products, it has to be executed when there is a minimum risk for the occupants.

Emergency options

	Emergency Blade Page 358	Emergency Box Page 359	Emergency Bulkhead Page 360	Emergency Route Page 365	Emergency Twin spot Page 362	Salvus Max Page 363, 390	Salvus Surface Page 364
Self test	•	•	•	•	•	•	
Manual test	•	•	•	•		•	•

Mounting options

	Emergency Blade Page 358	Emergency Box Page 359	Emergency Bulkhead Page 360	Emergency Route Page 365	Emergency Twin spot Page 362	Salvus Max Page 363, 390	Salvus Surface Page 364
Ceiling	•		•	•		•	•
Wall	•	•	•		•	•	
Suspended	•		•				
Conduit M20			•		•	•	
BESA			•			•	
Open area lens				•			
Corridor lens				•			

Emergency



LiFeP04 battery available



Self-test or Manual test available



Auxiliary floor illumination helping light areas under fitting

Guarantee

3 years

Features & benefits

Maintained, so it can be turned on/ off when the mains is on

Has three M20 entry knock-outs (one on each side and one in the bottom), and rear BESA box fixing

Housing is rugged and made of polycarbonate

30m viewing distance allowing it to be assembled in different room dimensions

Complying with ISO 3864-1, and proud members of the ICEL



Salvus Emergency Exit Blade 501m, emergency exit blade, 30m viewing distance

Features

Viewing distance	30
IK rating	IK08
IP rating	IP20
CSP switchable	Single CCT
Input	220-240V 50/60Hz
CRI	80 Ra

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	10.3A 100µs
Construction material	Lens PC housing PC
Weight	0.9Kg
Maximum ambient temperature	45°C
Mounting options	Ceiling, wall & suspended
Electric class (1, 2, 3)	2

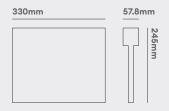
Photometrics @ 25°C

Product code	Test method	Maintained	Battery	w	ССТ	△ °	lm
EMBL30M	Manual-test	Maintained	LiFePO4	4.0W	6500K	120°	50
EMBL30S	Self-test	Maintained / Non-Maintained	LiFePO4	4.0W	6500K	120°	50

Wiring information

Cable / flying lead	Screwless terminals, up to 0.75mm ²
Type of wiring required	Parallel

EMBLUP	Pictogram Arrow UP.	Sold Separately	361
EMBLDO	Pictogram Arrow DOWN.	Sold Separately	361
EMBLRI	Pictogram Arrow RIGHT.	Sold Separately	361
EMBLLE	Pictogram Arrow LEFT.	Sold Separately	361
EMBLSK	Suspension Kit (2x 1m cable + fixings)	Sold Separately	361





Salvus Emergency Exit Box 47lm, emergency exit box, 35m viewing distance

Features

Viewing distance	35
IK rating	IK08
IP rating	IP20
CSP switchable	Single CCT
Input	220-240V 50/60Hz
CRI	80 Ra

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	12A 56µs
Construction material	Lens PC housing PC
Weight	0.6Kg
Maximum ambient temperature	0°C to +45°C
Mounting options	Wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	сст	\text{\$\chi_{\chi}}	lm
EMBX35M	Manual-test	Maintained / Non-Maintained	NiCd	3.5W	6500K	N/A	47
EMBX35S	Self-test	Maintained	LiFePO4	3.5W	6500K	N/A	47

Wiring information

Cable / flying lead	0.5 to 1.0mm ²
Type of wiring required	Parallel

Accessories

EMBXUP	Pictogram Arrow UP.	Sold Separately	361
EMBXDO	Pictogram Arrow DOWN.	Sold Separately	361
EMBXRI	Pictogram Arrow RIGHT.	Sold Separately	361
EMBXLE	Pictogram Arrow LEFT.	Sold Separately	361

Emergency



LiFeP04 battery available



Self-test or Manual test available



Auxiliary floor illumination helping light areas under fitting

Guarantee

Manual-test: 2 yearsSelf-test: 3 years

Features & benefits

By simply connecting the cables to the push-fit terminals, terminals allow for both maintained and nonmaintained usage

NiCd is a well-proven and widely used technology

Housing is rugged and made of polycarbonate

35m viewing distance allowing it to be assembled in many different room dimensions

Complying with ISO 3864-1, and proud members of the ICEL



Emergency



LiFeP04 battery available



Self-test or Manual test available



IP65 suitable for outdoor environments

Guarantee

2 years

Features & benefits

By simply connecting the cables to the push-fit terminals, terminals allow for both maintained and non-maintained usage

Has three M20 entry knock-outs (one on each side and one in the bottom), and rear BESA box fixing points

Lens is rugged and made of polycarbonate

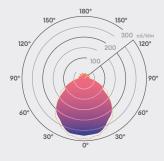
Viewing distance of 18m

Complying with ISO 3864-1, and proud members of the ICEL

Ideal for open areas, escape routes, for general illumination or as an exit sign

Adhesive legend is supplied and divided in five parts

Beam angle: 120°



355mm	
	110mm
{	56m



Salvus Emergency Bulkhead 1451m, emergency bulkhead, 18m viewing distance

Features

Viewing distance	18
IK rating	IK07
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V 50/60Hz
CRI	80 Ra

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	20A
Construction material	Lens PC housing ABS
Weight	0.65Kg
Maximum ambient temperature	45°C
Mounting options	Ceiling, wall, suspended, BESA & conduit M20
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	ССТ	△ °	lm
EMBH145M	Manual-test	Maintained/ Non-Maintained	LiFePO4	3.0W	6500K	120°	145
EMBH145S	Self-test	Maintained/ Non-Maintained	LiFePO4	3.0W	6500K	120°	145

Wiring information

Cable / flying lead	0.5 to 1.0mm ²
Type of wiring required	Parallel

N/A	No accessories are required



Exit Blade Accessories

Emergency exit blade label

Features Construction material PVC Guarantee 3 Year Extended Warranty

Product Code

Product code	Description
EMBLDO	Exit Blade Label Down
EMBLLE	Exit Blade Label Left
EMBLRI	Exit Blade Label Right
EMBLUP	Exit Blade Label Up

Use with

EMBL30M	358	312mm 0.5mm
EMBL30S	358	170mm



Exit Blade Accessory

Emergency exit blade suspension kit

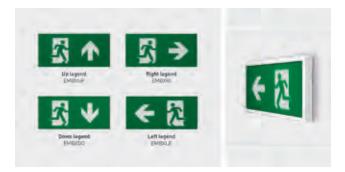
Features

Construction material	Steel
Guarantee	3 Year Extended Warranty
Weight	0.08Kg

Product Code

Product code I	Description
EMBLSK	Emergency exit blade suspension kit

EMBL30M 358 000 000 000 000 000 000 000 000 000 0	EMBL30M 358 EMBL30S 358			
EMBL30S 358	EMBL30S 358	EMBL30M	358	1000n
		EMBL30S	358	l li



Exit Box Accessories

Emergency exit box label

Features	
Construction material	PVC
Guarantee	3 Year Extended Warranty

Product Code

Product code	Description
EMBXDO	Exit Box Label Down
EMBXLE	Exit Box Label Left
EMBXRI	Exit Box Label Right
EMBXUP	Exit Box Label Up

Use with

ose with			
EMBX35M	359	372mm	0.5mm
EMBX35S	359		180mm

Emergency



LiFePO4 battery available



Self-test available



IP65 suitable for outdoor environments

Guarantee

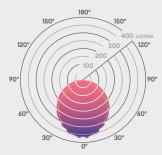
3 years

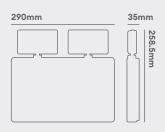
Features & benefits

Adjustable LED heads allow beam

A rugged robust polycarbonate lens and housing

Beam angle: 105°







Salvus Emergency Twin Spot 400lm, self test emergency twin spot

Features

Viewing distance	N/A
IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V 50/60Hz
CRI	80 Ra

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	10.8A 84µs
Construction material	Lens PC housing PC
Weight	1Kg
Maximum ambient temperature	45°C
Mounting options	Wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	w	ССТ	△ :	lm
EMTW400S	Self-test	Non-maintained	LiFePO4	4.8W	6500K	105°	400

Wiring information

Cable / flying lead	0.5 to 1.0mm ²
Type of wiring required	Parallel

Accessories

No accessories are required



Salvus Max

High output non-maintained emergency bulkhead

Features

Viewing distance	N/A
IK rating	IK08
IP rating	IP66
CSP switchable	Single CCT
Input	220-240V 50/60Hz
CRI	80 Ra

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	6.8A 0.1ms
Construction material	PC
Weight	1.47kg
Maximum ambient temperature	0°C to +45°C
Mounting options	Ceiling, wall, suspended, BESA & conduit M20
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	ССТ	△ °	lm
EMBMAX	Manual-test	Non-Maintained	LiFePO4 6.4V 6.6Ah	6W 10W	6500K	135°	1000-1500
EMBMAXST	Self-test	Maintained / Non-Maintained	LiFePO4 6.4V 6.6Ah	6W 10W	6500K	135°	1000-1500

Wiring information

Cable / flying lead	0.75-4.0mm ²
Type of wiring required	Parallel

Accessories

Springbok Lite	Use as remote emergency solution to reduce light points required	Sold Separately
Area Bay	Use as remote emergency solution to reduce light points required	Sold Separately
Caiman	Use as remote emergency solution to reduce light points required	Sold Separately
Borealis	Use as remote emergency solution to reduce light points required	Sold Separately

Emergency



High efficacy of 167lm/W



Wattage Switchable between 6W & 10W



IP66 suitable for warehouse all applications

Guarantee

4 years on electronics, 2 years on battery

Features & benefits

1500lm output

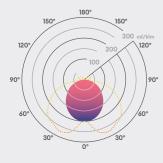
15 metres mounting height, provides 1 lux (escape route) at floor level when using 29 metre spacings

25 metres mounting height, provides 0.5 (anti-panic) lux at floor level when using 40 metre spacings

Lithium iron phospate (LiFePO4) battery technology for long lifetime and fast charge times

Captive screws for easy installation

Beam angle: 135°





Emergency



High efficacy of 140lm/W



Quick and easy installation with loop-in/loop-out connector



Low energy consumption of 2W

Guarantee

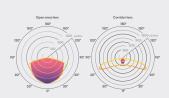
4 years on electronics, 2 years on battery

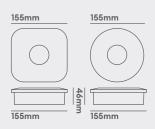
Features & benefits

Interchangeable lens supplied making it easy to use the same product in both open area and corridor applications

Lithium iron phosphate LiFePO4 battery

Beam angle: 165° 160°x50°









Salvus Surface

High Performance Emergency Spot

Features

Viewing distance	N/A
IK rating	IK04
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V 50/60Hz
CRI	80 Ra

Installation information

Install connector type	Integrated terminals, loop-in/loop-out
Inrush current	3A
Construction material	Polycarbonate
Weight	380g
Maximum ambient temperature	0°C to +45°C
Mounting options	Surface
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	w	сст	△ °	lm
EMSBRDEM	Manual-test	Maintained/ Non-Maintained	LiFePO4 3.2V 1500mAh	2W	6500K	165°/160°x50°	280 Open - 230 Corridor
EMSBSQEM	Manual-test	Maintained/ Non-Maintained	LiFePO4 3.2V 1500mAh	2W	6500K	165° / 160°x50°	280 Open - 230 Corridor
EMSWRDEM	Manual-test	Maintained/ Non-Maintained	LiFePO4 3.2V 1500mAh	2W	6500K	165° / 160°x50°	280 Open - 230 Corridor
EMSWSQEM	Manual-test	Maintained/ Non-Maintained	LiFePO4 3.2V 1500mAh	2W	6500K	165°/160°x50°	280 Open - 230 Corridor

Wiring information

Cable / flying lead	0.75-4.0mm ²
Type of wiring required	Parallel

Office	Remote emergency lighting for mains lighting range	Sold Separately
Education	Remote emergency lighting for mains lighting range	Sold Separately
Retail	Remote emergency lighting for mains lighting range	Sold Separately
Hotel & Leisure	Remote emergency lighting for mains lighting range	Sold Separately





Salvus Route

High Performance Emergency Spot

Features

Viewing distance	N/A
IK rating	IK04
IP rating	IP20
CSP switchable	Single CCT
Input	220-240V 50/60Hz
CRI	80 Ra

Installation information

Install connector type	Integrated terminals, loop-in/loop-out
Inrush current	3.04A
Construction material	Polycarbonate
Weight	180g
Maximum ambient temperature	+5°C to +45°C
Mounting options	Recessed
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	сст	<i>△</i> °	lm
EMRBMAN	Manual-test	Maintained/ Non-Maintained	LiFePO4 3.2V 1500mAh	1W	6500K	165°/160°x50°	130 Open - 120 Corridor
EMRBST	Self-test	Maintained/ Non-Maintained	LiFePO4 3.2V 1500mAh	1W	6500K	165°/160°x50°	130 Open - 120 Corridor
EMRWMAN	Manual-test	Maintained/ Non-Maintained	LiFePO4 3.2V 1500mAh	1W	6500K	165°/160°x50°	130 Open - 120 Corridor
EMRWST	Self-test	Maintained/ Non-Maintained	LiFePO4 3.2V 1500mAh	1W	6500K	165°/160°x50°	130 Open - 120 Corridor

Wiring information

Cable / flying lead	300mm long flying lead, H03VVH2-F 2x0.75mm²
Type of wiring required	Parallel

Accessories

Office	Remote emergency lighting for mains lighting range	Sold Separately
Education	Remote emergency lighting for mains lighting range	Sold Separately
Retail	Remote emergency lighting for mains lighting range	Sold Separately
Hotel & Leisure	Remote emergency lighting for mains lighting range	Sold Separately

Emergency



High efficacy of 130lm/W



Quick and easy installation with loop-in/loop-out connector



Low energy consumption of 1W

Guarantee

4 years on electronics, 2 years on battery

Features & benefits

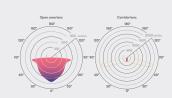
Interchangeable lens supplied making it easy to use the same product in both open area and corridor applications

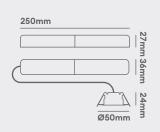
High performance providing up to 17 metre spacings

Lithium iron phosphate LiFePO4 battery

Flexible battery compartment makes it easy to insert into a ceiling cut-out

Beam angle: 165° 160°x50°





Emergency



Manual Test device, straight-forword emergency lighting inspections



LiFePO4, provides long operational life



A minimum of 3 hours of emergency lighting

Guarantee

5 year extended guarantee

Features & benefits

Built-in protection: - open circuit - over charging - over discharging over temperature

Dual colour Green / Red LED status indicator

Supplied with a test button, whereby a battery duration test can be carried out at anytime

Compatible with our Solis panels, Thea commercial downlights, H2 Pro, 1901 and H5 downlights, however this does not apply to trimless



LEDEP10EM

Emergency converter, Manual-test, 2.5W

Features

Wattage	2.5W
IP rating	IP20
Input	220-240V 50/60Hz

Installation information

Install connector type	Mains: Push-fit terminals 0.5 - 2.5mm ² DC: Plug & Play connectors
Insulation coverable	No
Cut out size	Ø18mm (status LED) Ø7mm (test button)
Inrush current	10A
Construction material	Polycarbonate
Weight	260g
Case temperature	60
Maximum ambient temperature	0 to 50°C
SELV	Yes
Electric class (1, 2, 3)	2

Product code

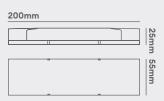
Product code	Description
LEDEP10EM	Emergency converter, Manual-test, 2.5W

Wiring information

Cable / flying lead	Plug & Play connectors
Type of wiring required	Parallel

Accessories

N/A No accessories are required





LEDEP10

Emergency converter, Self-test & Manual-test switchable, maintained

Features

Wattage	2.5W
IP rating	IP20
Input	220-240V 50/60Hz

Installation information

Install connector type	Mains: Push-fit terminals 0.5 - 2.5mm ² DC: Plug & Play connectors
Insulation coverable	No
Cut out size	Ø18mm (status LED) Ø7mm (test button)
Inrush current	10A
Construction material	Polycarbonate
Weight	390g
Case temperature	60
Maximum ambient temperature	+5°C to +35°C
SELV	Yes
Electric class (1, 2, 3)	2

Product code

Product code	Description
LEDEP10	Emergency converter, Self-test & Manual-test switchable, maintained

Wiring information

Cable / flying lead	Plug & Play connectors
Type of wiring required	Parallel

Accessories

N/A No accessories are required

Emergency



Self-test and Manual-test switchable



LiFePO4, provides long operational life



A minimum of 3 hours of emergency lighting

Guarantee

5 year extended guarantee

Features & benefits

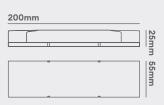
Built-in protection: - open circuit - over charging - over discharging over temperature

Dual colour Green / Red LED status indicator

Supplied with a test button, whereby a battery duration test can be carried out at anytime

Synchronizes an automatic battery duration test every 6 months

Compatible with our Solis panels, Thea commercial downlights, H2 Pro, 1901 and H5 downlights, however this does not apply to trimless



Emergency



Self-test device, simplifying the emergency lighting inspections



DALI compatible



Articulated design allows installation through ceiling cut out of just 55mm

Guarantee

5 years (electronics), 3 years (battery)

Features & benefits

Dual colour Green / Red LED status indicator

Lithium iron phosphate (LiFePO4) battery

Supplied with a test button, whereby a battery duration test can be carried out at anytime

Synchronizes an automatic battery duration test every 6 months

3-pole isolation of lamp & mains driver power during emergency

Battery connectors are polarity protected



LEDEP09DA

DALI Self-test emergency converter pack

Features

Wattage	3W
IP rating	IP20
Input	220-240V 50/60Hz

Installation information

Install connector type	Mains: Push-fit terminals 0.75 - 1.5mm ² DC: Plug & Play connectors
Insulation coverable	No
Construction material	Polycarbonate
Weight	378g
Maximum ambient temperature	+5°C to +35°C
SELV	Yes
Electric class (1, 2, 3)	2

Photometrics @ 25°C

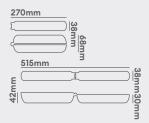
Product code	Description
LEDEP09DA	DALI Self-test emergency converter pack

Wiring information

Cable / flying lead	2x lmm2 H05VV-F
Type of wiring required	Parallel

Accessories

N/A No accessories are required







Industria

Collingwood has entered Industrial lighting. The range consists of high bays, low bays industrial floodlights, and anti-corrosives available for specification and installation. Our expertise in LED technology has been applied to this sector to provide a class leading solution. Market leading efficacies, combined with a five year extended warranty, provides low lifetime running cost across products which are built to last.

The industrial range is designed to make installation simple. New, innovative materials reduce the weight of the products to ease the process of mounting and commissioning. Magnesium alloy makes the high bays an average 36% lighter than aluminium equivalents, which makes a positive impact to those installing the products. Collingwood's industrial lighting is full of features and benefits, all of which are explained within the following section.



Area Bay

Designed to perform, built to last & connected to save energy.

Best practice for energy & cost savings

Save energy & money on your project by following these 3 easy steps, and make savings like the example below.



Quality optics

Light the space using less fittings with our unique lens optic, designed to direct the light where it is needed.

Efficient lighting design



Motion detection

Use our **HBPIR** or **HBMWS** motion sensor to ensure your light is only on when a person is detected.

Save up to 60%



Daylight detection

Enable daylight switching, or if your zone is automated, daylight harvesting, to ensure your electric light works in sync with the natural light within the space.

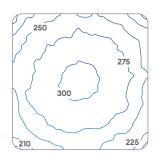
Save up to an additional 22%

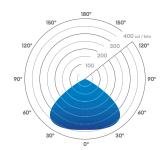
Energy rate £/kWh: £0.37	Existing fitting	1 Collingwood fitting	2 Collingwood fitting with motion sensor	3 Collingwood fitting with motion sensor and daylight detection
Average lamp life	12,000 hours	54,000 hours	54,000 hours	54,000 hours
Quantity of fittings	100	100	100	100
Watts per fitting	400W	150W	150W	150W
Energy £/Year	£106,649	£48,922	£19,569	£8,806
Energy savings £/Year	-	£57,727	£87,080	£97,843
Energy savings over 5 years	-	£288,635	£435,400	£489,215

Area Bay high bay (with lens optic)

To light a space efficiently, a luminaire optic must be designed to direct the light to where it is needed. Our unique lens optic changes the light distribution to create the perfect wide beam application.

Less fittings required providing energy and cost savings







Motion sensors - Quick & easy installation

Save time on the installation ultimately savings costs on installation.

Quick tool-less connection

Tool-less, plug-in and twist sensors make installation quick & easy for you to adopt lighting control, even interchange your sensors should your floorspace be re-configured.





Simple & easy remote

Commission your Area Bay from the floor.

Hold Time: how long the light stays on after movement is no longer detected
Stand-by Dimming: what level the light should dim to after movement is no longer detected
Stand-by Period: how long after no movement is detected, does the luminaire wait until switching off

Detection Range: enables you to adjust

the sensitivity of sensor

Daylight Threshold: set to only switch the light **on** when the natural light in the space is insufficient for the task



PIR Vs Microwave sensors

It's important to know when to choose between a PIR sensor and a Microwave sensor.

PIR sensor

Ideal for use in aisles.

Perfect for avoiding nuisance triggering in areas that may have vibrations.

Product code: HBPIR with daylight switch

Product code: HBPIRDLD PIR with daylight harvest sensor



Microwave sensor

Ideal for use in open areas.

Perfect for areas that need to trigger when the sensor is not in a direct line of sight.

Product code: HBMWS with daylight switch

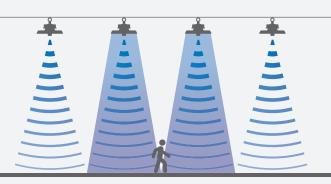


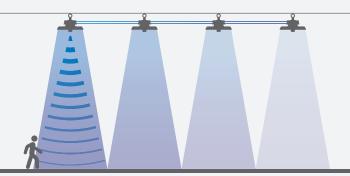
Individual Control

Each high bay has its own sensor, which can be mounted up to a recommended height of 13m. Maximise your energy savings by only switching **on** the light you are working under.

Group control

Each high bay is connected using a 0-10V control line. Avoid complete darkness and create safety by maintaining a low level of light when no-one is present.



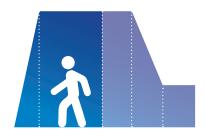


Area Bay

Designed to perform, built to last & connected to save energy.

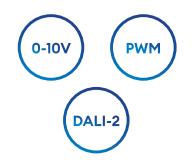
Step-Dim

Our sensor can signal the light to switch **off** when no motion is detected, or DIM down to a low level to avoid complete darkness and help safety.



Dimming options

A choice of three dimming options are available, 0-10V, PWM and DALI-2.



Warranty

Long warranty for piece of mind.



5 year guarantee



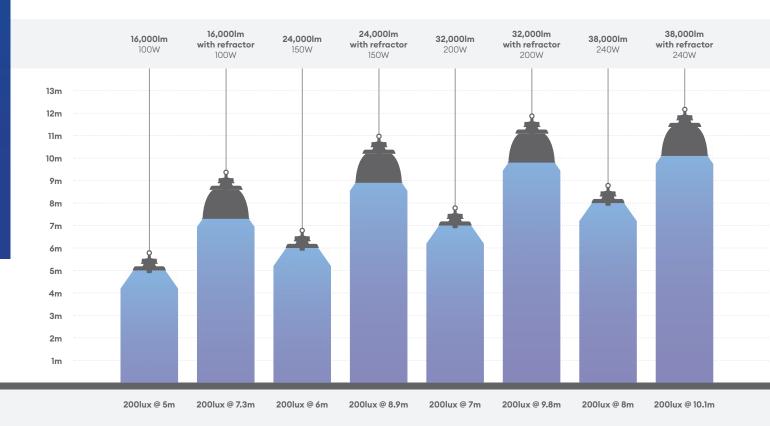
2 year on-site warranty

Design guide

Use the diagram below to choose your ideal high bay, or for a consultation on your requirements, contact our expert team today. The designers inside The Studio at Collingwood are able to offer expertise throughout the lighting design process, putting together full schemes based around our comprehensive product range. Detailed client consultation ensures a high quality and tailored service.

Area Bay - Open goods storage

Use the below for open goods storage areas (200lux is ideal).



Refractor accessories

Boost your light distribution by 20% with a decorative refractor. Reduces glare to <UGR22.



HBA12REFRFor 100W - 150W product



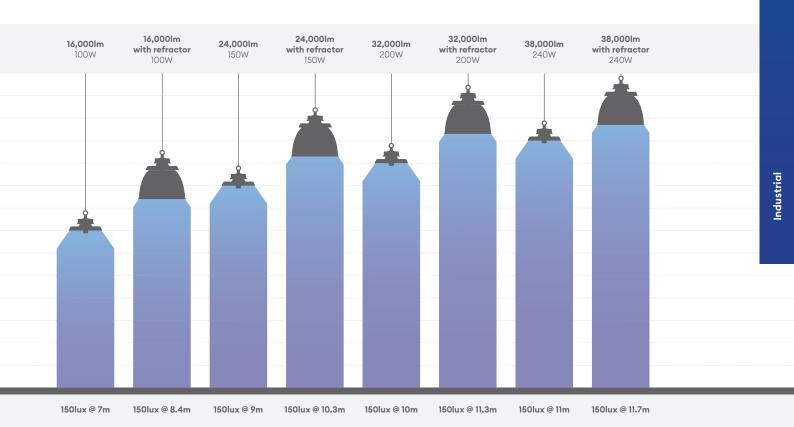
HBA3REFRFor 200W product



HBA4REFRFor 240W product

Area Bay - Rack storage floor

Use the below for rack storage floors (150lux is ideal).



Springbok Lite

Economical high bay for fast return on investment

Energy savings

Payback as quick as 2 months

Provide slightly more light, whilst using much less power, resulting in excellent cost savings and quick payback.

Springbok Lite	Replaces old HIT / HSE fittings	Replaces T5 fitting	Energy savings
200W	400W	2 x 80W	Saving up to 46%
150W	250W	4 x 49W	Saving up to 54%
80W	150W	2 x 80W	Saving up to 43%

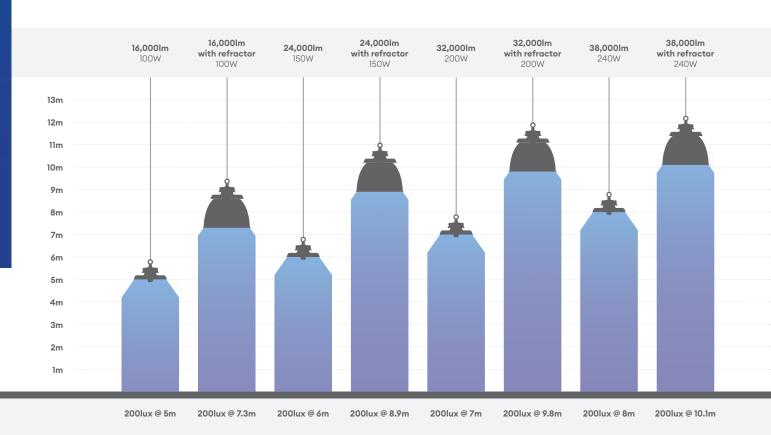
Adding lighting control can save up to 82% of your existing energy usage.

Design guide

Use the diagram below to choose your ideal high bay, or for a consultation on your requirements, contact our expert team today. The designers inside The Studio at Collingwood are able to offer expertise throughout the lighting design process, putting together full schemes based around our comprehensive product range. Detailed client consultation ensures a high quality and tailored service.

Springbok Lite - Open goods storage

Use the diagram below for open goods storage areas (200lux is ideal).



Microwave sensors

For up to an additional 82% energy savings

For added control and energy savings use a microwave sensor kit. Product code: **HBLMWS**

Motion sensor

Only turn your light on when movement is detected.

Daylight switching

Only turn your light on when there is not enough natural light.

Quick & easy installation

Kit includes a junction box for cabling and counter weight for balance.



Quick & easy installation

Pre-wired with 1.5m of H05RN-F cable for ease of installation.



IP65 & IK08

High impact resistance ensures that accidental collisions will not adversely effect the performance of the product. Combine this with high water and dust resistance and it means that the range of installation environments is vast.





Warranty

Long warranty for piece of mind.



4 year guarantee



2 year on-site warranty

Refractor accessories

Boost your light distribution by 20% with a decorative refractor. Reduces glare to $<\!$ UGR22.



HBL1REFRFor 80W product



HBL2REFRFor 100W product



HBL3REFRFor 200W product



High efficacy of 160lm/W



Very light weight for easy installation



Emergency option available

Guarantee

5 years, 2 years on emergency battery

Features & benefits

High performance dedicated lens for each LED provides efficient optical control

Choice of PIR, microwave, daylight and wireless control options saves energy and takes just seconds to fit, just plug-in to the centre of the high bay

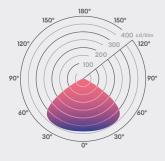
Compact and lightweight, our product can be held in one hand and installed by a single person

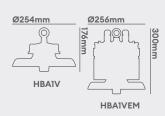
Quick access to LiFePO4 battery compartment for simple

Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Beam angle: 110°









Area Bay 16,000lm 100W High bay luminaire (Replaces 2x80W T5)

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Sensor option	PIR, Microwave & Daylight with accessories
Dimmable option	Yes (0-10V, PWM and DALI-2)
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	54,000h L80
CRI	80 Ra
SDCM	5 SDCM
Emergency option	Yes

Installation information

Install connector type	Flying lead
Inrush current	100A 0.52ms
Construction material	ADC12 ALU alloy, PC front lens, SS304 Eyelet.
Weight	2.00kg
Maximum ambient temperature	-40°C to +50°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

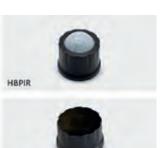
Product code	Туре	Finish	W	ССТ	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	EM	Energy
HBA1D	DALI-2	Matt black RAL9017	100W	4000K	110°	16000	160	-	î C
HBA1V	Standard	Matt black RAL9017	100W	4000K	110°	16000	160	-	A C
HBAIVEM	Emergency	Matt black RAL9017	100W	4000K	110°	16000	160	650	å C

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

HBPIRDLD	Area Bay PIR + Daylight Harvest Sensor	Sold Separately	382
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	382
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	382
HBDLS	Area Bay Daylight Sensor	Sold Separately	382
HBREM	Area Bay Remote Control	Sold Separately	382
HBBRA	HB Bracket Mount for Standard Luminaire	Sold Separately	383
HBBRAEXT	HB Extended Bracket Mount for Standard Luminaire	Sold Separately	383







Area Bay 24,000lm 150W High bay luminaire (Replaces 250W or 4X49W T5)

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Sensor option	PIR, Microwave & Daylight with accessories
Dimmable option	Yes (0-10V, PWM and DALI-2)
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	54,000h L80
CRI	80 Ra
SDCM	5 SDCM
Emergency option	Yes

Installation information

HBMWS

Install connector type	Flying lead
Inrush current	130A 0.63ms
Construction material	ADC12 ALU alloy, PC front lens, SS304 Eyelet.
Weight	2.28kg
Maximum ambient temperature	-40°C to +50°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	Finish	W	сст	\hline{\chi_{\text{\chi}}}	lm	lm/W	EM	Energy
HBA2D	DALI-2	Matt black RAL9017	150W	4000K	110°	24000	160	-	â C
HBA2V	Standard	Matt black RAL9017	150W	4000K	110°	24000	160	-	å C
HBA2VEM	Emergency	Matt black RAL9017	150W	4000K	110°	24000	160	650	A C

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

HBPIRDLD	Area Bay PIR + Daylight Harvest Sensor	Sold Separately	382
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	382
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	382
HBDLS	Area Bay Daylight Sensor	Sold Separately	382
HBREM	Area Bay Remote Control	Sold Separately	382
HBBRA	HB Bracket Mount for Standard Luminaire	Sold Separately	383
HBBRAEXT	HB Extended Bracket Mount for Standard Luminaire	Sold Separately	383

High Bays



High efficacy of 160lm/W



Very light weight for easy installation



Emergency option available

Guarantee

5 years, 2 years on emergency battery

Features & benefits

High performance dedicated lens for each LED provides efficient optical control

Choice of PIR, microwave, daylight and wireless control options saves energy and takes just seconds to fit, just plug-in to the centre of the high bay

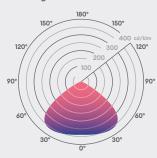
Compact and lightweight, our product can be held in one hand and installed by a single person

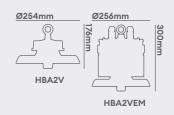
Quick access to LiFePO4 battery compartment for simple

Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Beam angle: 110°







High efficacy of 160lm/W



Very light weight for easy installation



Emergency option available

Guarantee

5 years, 2 years on emergency battery

Features & benefits

High performance dedicated lens for each LED provides efficient optical control

Choice of PIR, microwave, daylight and wireless control options saves energy and takes just seconds to fit, just plug-in to the centre of the high bay

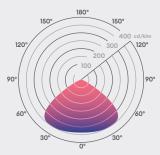
Compact and lightweight, our product can be held in one hand and installed by a single person

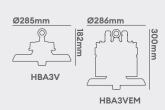
Quick access to LiFePO4 battery compartment for simple

Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Beam angle: 110°









Area Bay 32,000lm 200W High bay luminaire (Replaces 400W or 4x80W T5)

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Sensor option	PIR, Microwave & Daylight with accessories
Dimmable option	Yes (0-10V, PWM and DALI-2)
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	54,000h L80
CRI	80 Ra
SDCM	5 SDCM
Emergency option	Yes

Installation information

Install connector type	Flying lead
Inrush current	130A 0.63ms
Construction material	ADC12 ALU alloy, PC front lens, SS304 Eyelet.
Weight	2.00kg
Maximum ambient temperature	-40°C to +50°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	Finish	W	ССТ	\hat{\circ}	lm	lm/W	EM	Energy
HBA3D	DALI-2	Matt black RAL9017	200W	4000K	110°	32000	160	-	A C
HBA3V	Standard	Matt black RAL9017	200W	4000K	110°	32000	160	-	A C
HBA3VEM	Emergency	Matt black RAL9017	200W	4000K	110°	32000	160	650	å c

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

HBPIRDLD	Area Bay PIR + Daylight Harvest Sensor	Sold Separately	382
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	382
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	382
HBDLS	Area Bay Daylight Sensor	Sold Separately	382
HBREM	Area Bay Remote Control	Sold Separately	382
HBBRA	HB Bracket Mount for Standard Luminaire	Sold Separately	383
HBBRAEXT	HB Extended Bracket Mount for Standard Luminaire	Sold Separately	383









Area Bay 38,000lm

240W High bay luminaire

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Sensor option	PIR, Microwave & Daylight with accessories
Dimmable option	Yes (0-10V, PWM and DALI-2)
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	54,000h L80
CRI	80 Ra
SDCM	5 SDCM
Emergency option	Yes

Installation information

Install connector type	Flying lead
Inrush current	130A 0.52ms
Construction material	ADC12 ALU alloy, PC front lens, SS304 Eyelet.
Weight	2.28kg
Maximum ambient temperature	-40°C to +50°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	Finish	W	ССТ	\hat{\circ}	lm	lm/W	EM	Energy
HBA4D	DALI-2	Matt black RAL9017	240W	4000K	110°	38400	160	-	1 C
HBA4V	Standard	Matt black RAL9017	240W	4000K	110°	38400	160	-	100
HBA4VEM	Emergency	Matt black RAL9017	240W	4000K	110°	38400	160	650	å C

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

HBPIRDLD	Area Bay PIR + Daylight Harvest Sensor	Sold Separately	382
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	382
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	382
HBDLS	Area Bay Daylight Sensor	Sold Separately	382
HBREM	Area Bay Remote Control	Sold Separately	382
HBBRA	HB Bracket Mount for Standard Luminaire	Sold Separately	383
HBBRAEXT	HB Extended Bracket Mount for Standard Luminaire	Sold Separately	383

High Bays



High efficacy of 160lm/W



Very light weight for easy installation



Emergency option available

Guarantee

5 years, 2 years on emergency battery

Features & benefits

High performance dedicated lens for each LED provides efficient optical control

Choice of PIR, microwave, daylight and wireless control options saves energy and takes just seconds to fit, just plug-in to the centre of the high bay

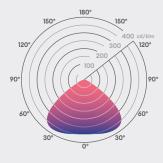
Compact and lightweight, our product can be held in one hand and installed by a single person

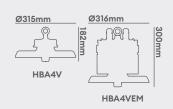
Quick access to LiFePO4 battery compartment for simple replacement

Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Beam angle: 110°



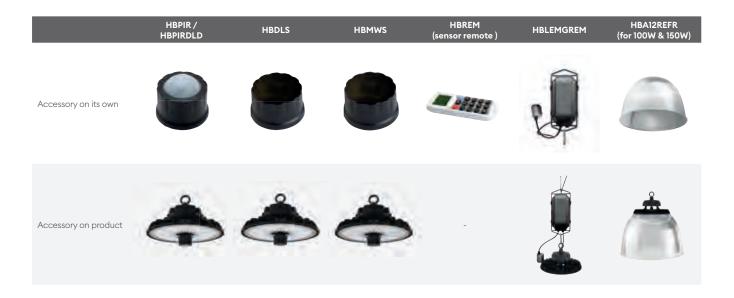


Area bay accessories

Make your area bay perfect for your installation

Optional microwave sensors, refractors, brackets and remote control accessories combine excellence and unrivalled cost savings.

Use the tables below to choose the perfect accessory



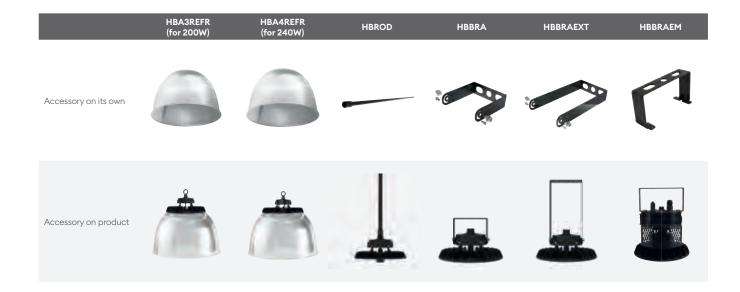
Product codes

Product Code	Description	Guarantee
HBPIR	Passive infra-red (PIR) motion sensor with daylight threshold switch (Max. recommended mounting height is 13 metres)	5 years
HBPIRDLD	Passive infra-red motion sensor with daylight harvesting photocell	5 years
HBDLS	Daylight harvesting sensor with photocell (Max. recommended mounting height is 13 metres)	5 years
HBMWS	Microwave motion sensor with daylight threshold switch (Max. recommended mounting height is 13 metres)	5 years
HBREM	Remote control for commissioning, compatible with HBPIR, HBDLS and HBMWS	5 years
HBLEMGREM	High Bay, 6W 1000lm, Emergency Conversion Pack	5 years
HBA12REFR	80° prismatic refractor for intensifying light beam	5 years

For full product specification visit collingwoodlighting.com

Compatible with

	Area Bay 100W Page 378	Area Bay 100W Emergency Page 378	Area Bay 150W Page 379	Area Bay 150W Emergency Page 379	Area Bay 200W Page 380	Area Bay 200W Emergency Page 380	Area Bay 240W Page 381	Area Bay 240W Emergency Page 381
HBPIR	•	•	•	•	•	•	•	•
HBPIRDLD	•	•	•	•	•	•	•	•
HBDLS	•	•	•	•	•	•	•	•
HBMWS	•	•	•	•	•	•	•	•
HBLEMGREM	•		•		•		•	
HBA12REFR	•	•	•	•				
HBREM	Compatible with	n HBPIR, HBDLS and	d HBMWS					



Product codes

Product Code	Description	Guarantee
HBA3REFR	80° prismatic refractor for intensifying light beam	5 years
HBA4REFR	80° prismatic refractor for intensifying light beam	5 years
HBROD	HB Rod Mount 1.5M Kit (M20 thread for fixing)	5 years
HBBRA	HB Bracket Mount for Standard Luminaire	5 years
HBBRAEXT	HB Extended Bracket Mount for Standard Luminaire	5 years
HBBRAEM	HB Bracket Mount for Emergency Luminaire	5 years

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with

	Агеа Вау 100W Раде 378	Area Bay 100W Emergency Page 378	Area Bay 150W Page 379	Area Bay 150W Emergency Page 379	Area Bay 200W Page 380	Area Bay 200W Emergency Page 380	Area Bay 240W Page 381	Area Bay 240W Emergency Page 381
HBA3REFR					•	•		
HBA4REFR							•	•
HBROD	•	•	•	•	•	•	•	•
HBBRA	•		•		•		•	
HBBRAEXT	•		•		•		•	
HBBRAEM								









Springbok Lite 11,000lm 80W High bay luminaire (Replaces 150W or 2x80W T5)

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Sensor option	Microwave & Daylight with accessories
Dimmable option	No
Input	220-240V 50/60Hz Surge protection 6KV
Input LED lifetime	
	protection 6KV
LED lifetime	protection 6KV 54,000h L70

Installation information

Install connector type	Flying lead
Inrush current	100A 0.42ms
Construction material	ADC12 aluminium alloy tempered glass
Weight	1.60kg
Maximum ambient temperature	-20°C to +40°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	сст	\chi^\chi	lm	lm/W	EM	Energy
HBL1N	Matt black RAL9017	80W	4000K	110°	11000	138	530	ÊE
HBLINEM	Matt black RAL9017	80W	4000K	110°	11000	138	530	ÎE

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

Accessories

HBLMWS	High Bay Sbok Lite, Microwave sensor kit inc junction box and counterweight	Sold Separately	388
HBREM	High Bay Sbok Lite, Remote control for commissioning HBLMWS	Sold Separately	382
HBL1REFR	High Bay Sbok Lite, 80W 80-degree refractor	Sold Separately	388

High Bays



High efficacy of 138lm/W



Sensor kit includes junction box and counter weight



Emergency option available

Guarantee

4 years, 2 years on emergency battery

Features & benefits

Economical high bay for fast return on investment

Easy to add microwave sensor kit includes junction box and counter weight

On/off control with time delay and daylight switching (8-15 metres max)

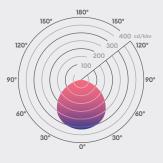
Suitable for jack chain, M10 drop

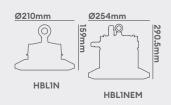
Pre-wired with 1.5M of H05RN-F cable for ease and speed of installation

Replaceable driver for easy maintenance

IK08 for robust impact protection

Beam angle: 110°







High efficacy of 140lm/W



Sensor kit includes junction box and counter weight



Emergency option available

Guarantee

4 years, 2 years on emergency battery

Features & benefits

Economical high bay for fast return

Easy to add microwave sensor kit includes junction box and counter weight

On/off control with time delay and daylight switching (8-15 metres

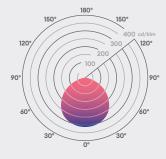
Suitable for jack chain, M10 drop rod or catenary wire suspension

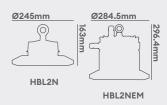
Pre-wired with 1.5M of H05RN-F cable for ease and speed of installation

Replaceable driver for easy maintenance

IK08 for robust impact protection

Beam angle: 110°









Springbok Lite 21,000lm 150W High bay luminaire (Replaces 250W or 4X49W T5)

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Sensor option	Microwave & Daylight with accessories
Dimmable option	No
Input	220-240V 50/60Hz Surge protection 6KV
Input LED lifetime	
,	protection 6KV
LED lifetime	protection 6KV 54,000h L70

Installation information

Install connector type	Flying lead
Inrush current	100A 0.42ms
Construction material	ADC12 aluminium alloy tempered glass
Weight	1.86kg
Maximum ambient temperature	-20°C to +40°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	w	ССТ	△ °	lm	lm/W	EM	Energy
HBL2N	Matt black RAL9017	150W	4000K	110°	21000	140	530	A E
HBL2NEM	Matt black RAL9017	150W	4000K	110°	21000	140	530	å E

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm² Ø7mm	
Type of wiring required	Parallel	

HBLMWS	High Bay Sbok Lite, Microwave sensor kit inc junction box and counterweight	Sold Separately	388
HBREM	High Bay Sbok Lite, Remote control for commissioning HBLMWS	Sold Separately	382
HBL2REFR	High Bay Sbok Lite, 150W 80-degree refractor	Sold Separately	388







Springbok Lite 27,000lm 200W High bay luminaire (Replaces 400W or 4x80W T5)

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Sensor option	Microwave & Daylight with accessories
Dimmable option	No
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	54,000h L70
LED lifetime CRI	
	54,000h L70

Installation information

Install connector type	Flying lead
Inrush current	100A 0.42ms
Construction material	ADC12 aluminium alloy tempered glass
Weight	2.20kg
Maximum ambient temperature	-20°C to +40°C
Building regulations	Part P
Mounting options	Jack Chain, Surface Bracket or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	w	сст	△ °	lm	lm/W	EM	Energy
HBL3N	Matt black RAL9017	200W	4000K	110°	27000	135	530	ALE
HBL3NEM	Matt black RAL9017	200W	4000K	110°	27000	135	530	A E

Wiring information

Cable / flying lead	1.5m H05RN-F 3x1.0mm ² Ø7mm		
Type of wiring required	Parallel		

Accessories

HBLMWS	High Bay Sbok Lite, Microwave sensor kit inc junction box and counterweight	Sold Separately	388
HBREM	High Bay Sbok Lite, Remote control for commissioning HBLMWS	Sold Separately	382
HBL3REFR	High Bay Sbok Lite, 200W 80-degree refractor	Sold Separately	388

High Bays



High efficacy of 135lm/W



Sensor kit includes junction box and counter weight



Emergency option available

Guarantee

4 years, 2 years on emergency battery

Features & benefits

Economical high bay for fast return on investment

Easy to add microwave sensor kit includes junction box and counter

On/off control with time delay and daylight switching (8-15 metres max)

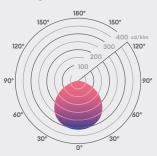
Suitable for jack chain, M10 drop

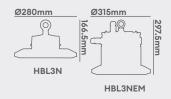
Pre-wired with 1.5M of H05RN-F cable for ease and speed of installation

Replaceable driver for easy maintenance

IK08 for robust impact protection

Beam angle: 110°





Springbok Lite accessories

Make your high bay perfect for your installation

Optional reflectors, refractor and microwave sensor accessories combine excellence and unrivalled cost savings. The reflector and its 80 degrees beam angle will intensify the lighting direction, while the refractor decreases its intensity, softening the glare.

Use the tables below to choose the perfect accessory



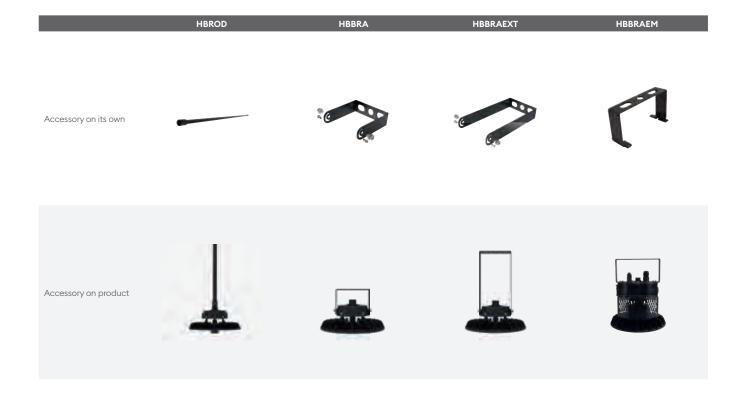
Product codes

Product Code	Description	Guarantee
HBLMWS	Microwave Sensor Kit	4 years
HBLEMGREM	Emergency conversion pack for Springbok Lite and Area Bay	5 years
HBL1REFR	80° Beam Angle 80W Springbok Lite	4 years
HBL2REFR	80° Beam Angle 150W Springbok Lite	4 years
HBL3REFR	80° Beam Angle 200W Springbok Lite	4 years

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with

	Springbok Lite 80W Page 385	Springbok Lite 80W Emergency Page 385	Springbok Lite 150W Page 386	Springbok Lite 150W Emergency Page 386	Springbok Lite 200W Page 387	Springbok Lite 200W Emergency Page 387
HBLMWS	•	•	•	•	•	•
HBLEMGREM	•				•	
HBL1REFR	•	•				
HBL2REFR			•	•		
HBL3REFR					•	•



Product codes

Product Code	Description	Guarantee
HBROD	HB Rod Mount 1.5M Kit (M20 thread for fixing)	5 years
HBBRA	HB Bracket Mount for Standard Luminaire	5 years
HBBRAEXT	HB Extended Bracket Mount for Standard Luminaire	5 years
HBBRAEM	HB Bracket Mount for Emergency Luminaire	5 years

For full product specification visit ${\bf collingwoodlighting.com}$

Compatible with

	Springbok Lite 80W Page 385	Springbok Lite BOW Emergency Page 385	Springbok Lite 160W Page 386	Springbok Lite 150W Emergency Page 386	Springbok Lite 200W Page 387	Springbok Lite 200W Emergency Page 387
HBROD	•	•	•	•	•	•
HBBRA	•		•		•	
HBBRAEXT	•		•		•	
HBBRAEM						



High efficacy of 167lm/W



Wattage Switchable between 6W & 10W



IP66 suitable for warehouse all applications

Guarantee

4 years on electronics, 2 years on battery

Features & benefits

1500lm output

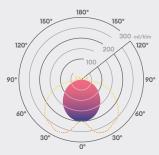
15 metres mounting height, provides 1 lux (escape route) at floor level when using 29 metre spacings

25 metres mounting height, provides 0.5 (anti-panic) lux at floor level when using 40 metre spacings

Lithium iron phospate (LiFePO4) battery technology for long lifetime and fast charge times

Captive screws for easy installation

Beam angle: 135°







Salvus Max

High output non-maintained emergency bulkhead

Features

Viewing distance	N/A
IK rating	IK08
IP rating	IP66
CSP switchable	Single CCT
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Inrush current	6.8A 0.1ms
Construction material	PC
Weight	1.47kg
Maximum ambient temperature	0°C to +45°C
Mounting options	Ceiling, wall, suspended, BESA & conduit M20
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	ССТ	△ °	lm
EMBMAX	Manual-test	Non-Maintained	LiFePO4 6.4V 6.6Ah	6W 10W	6500K	135°	1000-1500
EMBMAXST	Self-test	Maintained / Non-Maintained	LiFePO4 6.4V 6.6Ah	6W 10W	6500K	135°	1000-1500

Wiring information

Cable / flying lead	0.75-4.0mm ²
Type of wiring required	Parallel

Springbok Lite	Use as remote emergency solution to reduce light points required	Sold Separately
Area Bay	Use as remote emergency solution to reduce light points required	Sold Separately
Caiman	Use as remote emergency solution to reduce light points required	Sold Separately
Borealis	Use as remote emergency solution to reduce light points required	Sold Separately



Low bays

Lentus

The Lentus low bays combine excellent performance with quick payback.

Quick payback

Provide slightly more light, whilst using much less power, resulting in excellent cost savings and quick payback.

Energy rate £/kWh: £0.37	Existing fitting	Collingwood fitting
Average lamp life	12,000 hours	50,000 hours
Quantity of fittings	100	100
Watts per fitting	400W	150W
Energy £/Year	£129,928	£9,180

Easy installation

Lightweight

The Lentus low bay is extremely lightweight, allowing easy installation and maintenance whilst providing high lumen output.

Aisle spaces

Weighing as little as 2.5kg, the Lentus low bay is ideal for aisle spaces.

Compact

Smaller in size, so it can be installed by an individual.

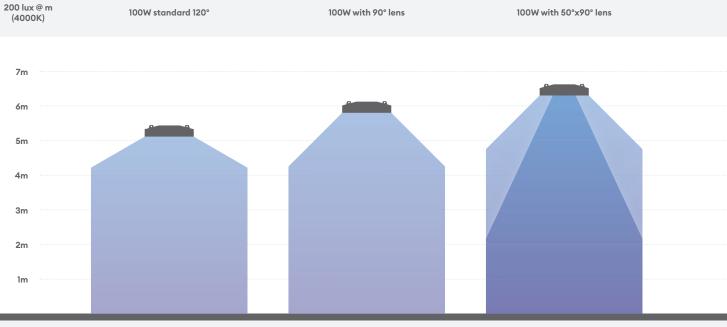
1-10V dimming

As standard, the Lentus low bays offer 1-10V dimming technology in a single driver, providing flexibility of control.

Choosing the ideal low bay

The Lentus low bay is available in 100W and 150W outputs, with three beam angles available, 120°, 90° and 50°x90°. It can be surface mounted, or pendant mounted with the supplied strings, suiting a variety of environments.

Use the graph below to choose your ideal low bay, or for a consultation on your requirements, contact our expert team today. The designers inside The Studio at Collingwood are able to offer expertise throughout the lighting design process, putting together full schemes based around our comprehensive product range. Detailed client consultation ensures a high quality and tailored service.



200lux @ 5.1m 200lux @ 5.8m 200lux @ 6.3m

PIR bolt-on sensor

The sensor detects movement and allows the user to set up on/off control or two step-dim parameter.

Up to 6m high

Install as high as 6m high.

Quick attachment

Fast 4 minute conversion time.

Easy attachment

M20 interface for easy installation.

On/Off PIR control & daylight switching

Save energy and money.



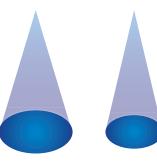
PIRBOLTDIM



Beam angles

Symmetric Vs Asymmetric

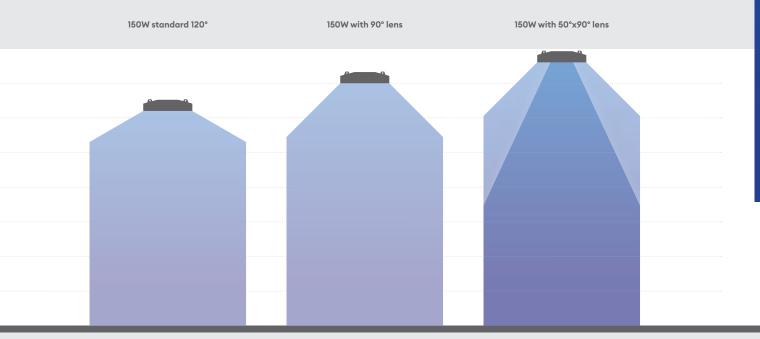
Offering three different beam angles, the Lentus low bay can be used for general lighting or aisles.



120° 90° general lighting general lighting (circular output) (circular output)



50°x90° aisle lighting (rectangular output)



200lux @ 6.2m 200lux @ 7m 200lux @ 7.6m

Low Bays



High efficacy of 150lm/W



Very light weight 2.5kg for easy installation



Emergency option available

Guarantee

5 years, 2 years on emergency battery

Features & benefits

A range of mounting options available allowing excellent flexibility on installation

Specifically designed for use in aisle spaces

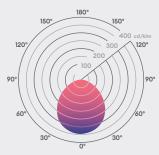
1-10V, PWM and resistor dimmable as standard, 3-in-1

Surge Protection L/N-PE = 10KV L-N = 6KV

A range of accessories available

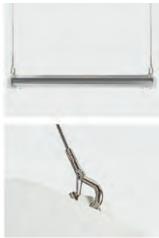
2m suspension hanging kit inculded

Beam angle: 120°









Lentus

Linear Low Bay lighting, dimmable as standard 3-in-1

Features

IK rating	IK08
IP rating	IP40
CSP switchable	Single CCT
Sensor option	PIR with accessory
Dimmable option	Yes
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	5 SDCM
Emergency option	Yes

Installation information

Install connector type	Std - Flying Lead EM - Push-fit Term
Inrush current	100W - 70A 0.2ms 150W - 110A 0.2ms
Construction material	Aluminium / PC
Weight	100W - 2.57Kg 150W - 2.70Kg
Maximum ambient temperature	Std -40°C to +50°C Em 0°C to +40°C
SELV	Yes
Building regulations	Part P
Mounting options	Ceiling & suspended
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	Туре	w	ССТ	\hat{\circ}	lm	lm/W	EM	Energy
LB10040	White	Standard	100W	4000K	120°	15000	150	-	A E
LB10040E	White	Emergency	100W	4000K	120°	15000	150	340	A E

Wiring information

Cable / flying lead	Standard: 400mm H05RN-F 3x1.0mm² Ø7mm br/>Emergency: Push-fit terminals 4x 0.75-2.5mm²
Type of wiring required	Parallel

LBAL90	Replacement Lens 90° beam angle	Sold Separately	396
LBAL5090	Replacement Lens 50°x90° beam angle	Sold Separately	396
LBAS	Surface mount kit	Sold Separately	396
LBASDHS	Microwave & Daylight Harvesting Sensor	Sold Separately	396
HBASDHSRC	Microwave & Daylight Harvesting Sensor Controller	Sold Separately	396





Lentus

Linear Low Bay lighting, dimmable as standard 3-in-1

Features

IK rating	IK08
IP rating	IP40
CSP switchable	Single CCT
Sensor option	PIR with accessory
Dimmable option	Yes
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	5 SDCM
Emergency option	Yes

Installation information

Install connector type	Std - Flying Lead EM - Push-fit Term
Inrush current	100W - 70A 0.2ms 150W - 110A 0.2ms
Construction material	Aluminium / PC
Weight	100W - 2.57Kg 150W - 2.70Kg
Maximum ambient temperature	Std -40°C to +50°C Em 0°C to +40°C
SELV	Yes
Building regulations	Part P
Mounting options	Ceiling & suspended
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	Туре	w	сст	△ °	lm	lm/W	EM	Energy
LB15040	White	Standard	150W	4000K	120°	22000	147	-	A E
LB15040E	White	Emergency	150W	4000K	120°	22000	147	340	A E

Wiring information

Cable / flying lead	Standard: 400mm H05RN-F 3x1.0mm² Ø7mm br/>Emergency: Push-fit terminals 4x 0.75-2.5mm²
Type of wiring required	Parallel

Accessories

LBAL90	Replacement Lens 90° beam angle	Sold Separately	396
LBAL5090	Replacement Lens 50°x90° beam angle	Sold Separately	396
LBAS	Surface mount kit	Sold Separately	396
LBASDHS	Microwave & Daylight Harvesting Sensor	Sold Separately	396
HBASDHSRC	Microwave & Daylight Harvesting Sensor Controller	Sold Separately	396

Low Bays



High efficacy of 147lm/W



Very light weight 2.5kg for easy installation



Emergency option available

Guarantee

5 years, 2 years on emergency battery

Features & benefits

A range of mounting options available allowing excellent flexibility on installation

Specifically designed for use in aisle spaces

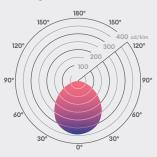
1-10V, PWM and resistor dimmable as standard, 3-in-1

Surge Protection L/N-PE = 10KV L-N = 6KV

A range of accessories available

2m suspension hanging kit inculded

Beam angle: 120°



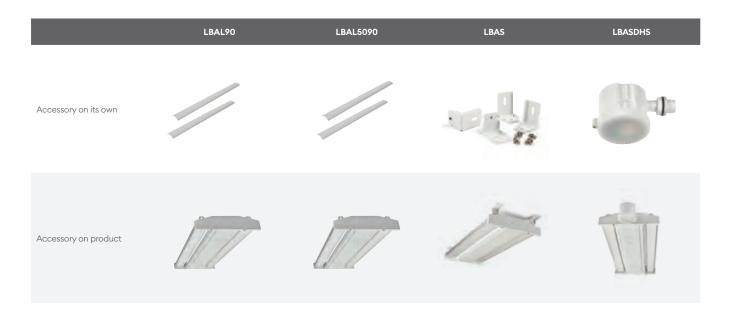


Lentus low bay accessories

Make your low bay perfect for your installation

Optional lenses, PIR sensors and emergency accessories combine excellence and unrivalled cost savings. The lenses offer symmetric and asymmetric options.

Use the tables below to choose the perfect accessory for your low bay



Product codes

Product Code	Description	Guarantee
LBAL90	Lens to change beam angle to 90°	5 year extended guarantee
LBAL5090	Lens to change beam angle to 50x90°	5 year extended guarantee
LBAS	Low Bay Surface Mounting Kit	5 year extended guarantee
LBASDHS	Microwave & Daylight harvesting sensor to save energy and cost	5 year extended guarantee
HBASDHSRC	Microwave & daylight harvesting sensor controller	5 year extended guarantee
		The College of the Co

For full product specification visit collingwoodlighting.com

Compatible with

	Low Bay 100W Page 394	Low Bay 150W Page 395
LBAL90	•	•
LBAL5090	•	•
LBAS	•	•
LBASDHS	•	•
HBASDHSRC	•	•



Product codes

Product Code	Description	Guarantee
PIRBOLT	On/Off PIR sensor with Lux level switch	5 Years
PIRBOLTDIM	Dimming PIR Sensor with Lux level switch (requires 0-10V driver)	5 Years
PIRBOLTDIMR	Remote control for use with PIRBOLTDIM	5 Years
EMBOLTMCOR	3 hour emergency conversion pack, corridor area, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTMOPEN	3 hour emergency conversion pack, open area, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTSCOR	3 hour emergency conversion pack, corridor area, self-test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTSOPEN	3 hour emergency conversion pack, open area, self-test	4 years guarantee of the electronics 2 years guarantee of the battery
		For full product specification visit collingwoodlighting.com

Compatible with

	Low Bay 100W Page 394	Low Bay 150W Page 395
PIRBOLT	•	•
PIRBOLTDIM	•	•
PIRBOLTDIMR	•	•
EMBOLTMCOR	•	•
EMBOLTMOPEN	•	•
EMBOLTSCOR	•	•
EMBOLTSOPEN	•	•

Industrial floodlights

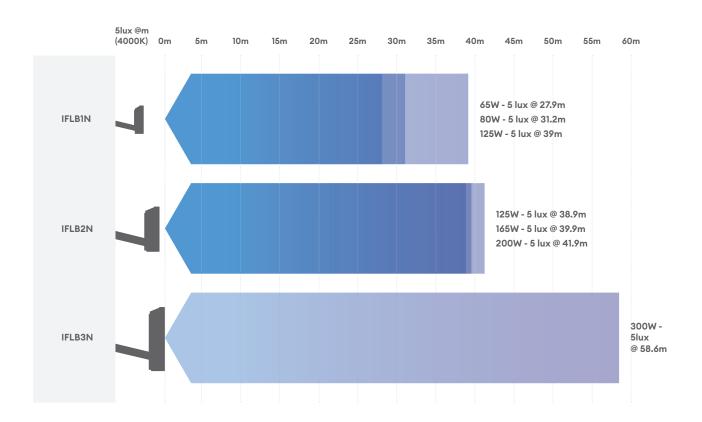
Indy K3

Our range of industrial floodlights throw light precisely where it is needed, with minimum installation and running costs.

Choosing the ideal floodlight

The Indy K3 floodlights are available with a lumen output range starting at 65W-9,500lm for low heights, 125W-19,500lm for medium heights and 300W-44,500lm maximum output including switchable options in between to allow you to select which is be best balance between usage of electricity and light output for the application.

Use the diagram below to determine which output is suitable for your installation, or for a consultation on your requirements, contact our expert team today. The designers inside The Studio at Collingwood are able to offer expertise throughout the lighting design process, putting together full schemes based around our comprehensive product range. Detailed client consultation ensures a high quality and tailored service.



Wattage switchable

Wattage switchable: one light, three wattage outputs

CSP Collingwood Switchable Product enables one luminaire to meet various lux levels within a project using a lumen output switch

Low 65W-80W-125W - 9,500-19,500lm



Mid 125W-165W-200W - 19,500-27,500lm



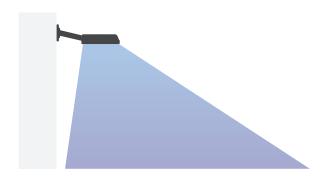
High 300W - 44,500lm



Beam angle

Asymmetric

Asymmetric beam angles concentrate light where it is needed by using reflectors to direct light in front of the fixture and minimising light spill.



Easy installation

Tool free access

The skilfully designed bracket simplifies the floodlight installation, cutting down costs and time, by allowing tool free access to the fixing screws.

Angle stamped bracket

The floodlights have additional features included such as the mounting angles, which are stamped on the adjustable bracket for precise angles, along with star washers so the bracket can stay in the same position once angled. The 300W version comes complete with a angle locking bracket.

1m cable

Installing the floodlights couldn't be easier with a 1m of cable included for ease of installation, in line with Collingwood's demand for high quality, a nickel plated cable gland is included.

IP65 & IK07

Built for the toughest of environments

Durable and versatile, the Indy floodlights are IP65 rated and are suitable for outdoors, whether it is for a large warehouse, loading bays, or car parks.





Daylight savings

Photocell kit accessory

Outdoor photocell (Dusk to Dawn) sensor kit for use with all outdoor luminaires to keep the lights **off** when it is daylight outside.

Floodlight	Floodlights per photocell
ribbungit	r resultigrits per priotessen
Indy K3 65W-80W-125W	3
Indy K3 125W-165W-200W	2
Indy K3 300W	1
K2 100W	2
K2 150W	2
K2 200W	Not compatible



5 year warranty

Offering a five-year warranty, so you can be assured of our commitment to quality.



Windage factors

Floodlight	Windage factors
Indy K3 65W-80W-125W	(2.5kg) 1.39m ²
Indy K3 125W-165W-200W	(4.5kg) 1.09m ²
Indy K3 300W	(7.1kg) 0.74m²
K2 100W	(4kg) 1.1m²
K2 150W	(5kg) 1.12m ²
K2 200W	(5.6kg) 1.15m ²



Industrial Floodlights



High efficacy up to 156lm/W



Wattage switchable between 65-125W



Suitable for use in coastal applications

Guarantee

5 years

Features & benefits

Quick and easy installation with angle stamped brackets

Compliant to ISO 9223:2012 C4 classification making the product to be suitable for use in coastal

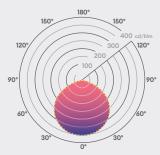
Compatible with the PCELLKIT dusk to dawn sensor

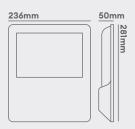
6kV Surge Protection

Asymetrical floodlights also available in K2 product range

Suitable for mounting upside down

Beam angle: 120°







Indy K3 65-80-125W Wattage Switchable Symmetrical Floodlight

Features

IK rating	IK07
IP rating	IP65
CSP switchable	Single CCT
Tiltable	180°
Sensor option	Daylight with accessory
Dimmable option	No
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM
Emergency option	No

Installation information

Install connector type	Flying lead
Inrush current	IFLB1N: 30.3A 0.22ms
Construction material	Die-cast aluminium (body) stainless steel 304 (bracket)
Weight	IFLB2N: 4.5kg
Maximum ambient temperature	-40°C to 40°C
SELV	No
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	Colour	\text{\$\text{\$\chi\$}\$}	lm	lm/W	Energy
IFLB1N30	Black	65	3000K	120°	9500	146	
		80	3000K	120°	12000	150	A E
		125	3000K	120°	19000	152	
	65	4000K	120°	10000	154		
IFLB1N40	Black	80	4000K	120°	12500	156	â D
		125	4000K	120°	19500	156	

Wiring information

Cable / flying lead	1000mm H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	401



Indy K3 125-165-200W Wattage Switchable Symmetrical Floodlight

Features

IK rating	IK07
IP rating	IP65
CSP switchable	Single CCT
Tiltable	180°
Sensor option	Daylight with accessory
Dimmable option	No
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM
Emergency option	No

Installation information

Install connector type	Flying lead
Inrush current	IFLB2N: 53A 0.22ms
Construction material	Die-cast aluminium (body) stainless steel 304 (bracket)
Weight	IFLB2N: 4.5kg
Maximum ambient temperature	-40°C to 40°C
SELV	No
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	Colour	A.	lm	lm/W	Energy
		125	3000K	120°	19000	152	
IFLB2N30	Black	165	3000K	120°	24500	148	A E
		200	3000K	120°	27000	135	
		125	4000K	120°	19500	156	
IFLB2N40	Black	165	4000K	120°	25000	156	â D
		200	4000K	120°	27500	152	

Wiring information

Cable / flying lead	1000mm H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

Accessories

PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	401
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Industrial Floodlights



High efficacy up to 152lm/W



Wattage switchable between 125-200W



Suitable for use in coastal applications

Guarantee

5 years

Features & benefits

Quick and easy installation with angle stamped brackets

Compliant to ISO 9223:2012 C4 classification making the product to be suitable for use in coastal applications

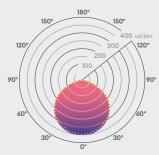
Compatible with the PCELLKIT dusk to dawn sensor

6kV Surge Protection

Asymetrical floodlights also available in K2 product range

Suitable for mounted upside down

Beam angle: 120°





Industrial **Floodlights**



High efficacy up to 147lm/W



High power 300W



Suitable for use in coastal applications

Guarantee

5 years

Features & benefits

Quick and easy installation with angle stamped brackets

Compliant to ISO 9223:2012 C4 classification making the product to be suitable for use in coastal

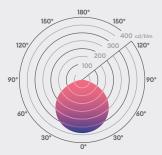
Compatible with the PCELLKIT dusk to dawn sensor

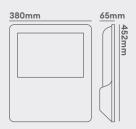
6kV Surge Protection

Asymetrical floodlights also available in K2 product range

Suitable for mounting upside down

Beam angle: 120°







Indy K3 300W Symmetrical floodlight suitable for commercial and industrial applications

Features

IK rating	IK07
IP rating	IP65
CSP switchable	Single CCT
Tiltable	180°
Sensor option	Daylight with accessory
Dimmable option	No
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	5 SDCM
Emergency option	No

Installation information

Install connector type	Flying lead
Inrush current	IFLB3N: 30.3A 0.22ms
Construction material	Die-cast aluminium (body) stainless steel 304 (bracket)
Weight	IFLB3N: 7.1kg
Maximum ambient temperature	-40°C to 40°C
SELV	No
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	сст	\chi^\chi	lm	lm/W	Energy
IFLB3N30	Black	300	3000K	120°	44000	147	
IFLB3N40	Black	300	4000K	120°	44500	138	Î D

Wiring information

Cable / flying lead	1000mm H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	403
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Indy K3 & K2 floodlight accessory

Make your floodlight perfect for your installation

Make your floodlights more energy efficient and better for the environment by using photcell kit accessory

Use the tables below to choose the perfect accessory for your floodlight

	PCELLKIT (Photocell kit)
Accessory on its own	
Accessory on product	Install photocell kit in a separate location to floodlight

Floodlight	Floodlights per photocell
Indy K3 CSP 60 - 125W	3
Indy K3 CSP 125 - 200W	2
Indy K3 CSP 300W	1
K2 100W	2
K2 1500W	2
K2 200W	Not compatible

Product Code	Description	Electric class (1, 2, 3)	IP rating	Install connector type	Guarantee
PCELLKIT	Wall Mounted Photocell Kit	2	IP54	Integrated terminals	2 Years
			For	full product specification visit col	linawoodliahtina.com

Compatible with



Industrial Floodlights



High efficacy of 114lm/W



Quick and easy installation with angle stamped brackets



IP65 suitable for outdoor environments

Guarantee

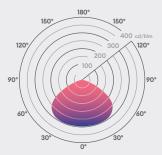
5 years

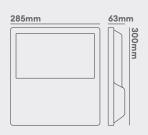
Features & benefits

Ratchet points on bracket, tightened by allen key

Surge protection L/N-PE = 10KV L-N = 6KV

Beam angle: 100°x150°







K2 100W

Asymmetrical Aluminium Industrial Floodlight

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Tiltable	180°
Sensor option	Daylight with accessory
Dimmable option	No
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	3 SDCM
Emergency option	No

Installation information

Install connector type	Flying lead
Inrush current	100W - 70A 0.2ms
Construction material	Aluminium alloy tempered glass
Weight	100W - 4.00Kg
Maximum ambient temperature	-40°C to +50°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	Colour	\?*	lm	lm/W	Energy
IFL10BX30100150	Black	100W	3000K	100°x150°	11400	114	A E

Wiring information

Cable / flying lead	1000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	403



K2 150W

Asymmetrical Aluminium Industrial Floodlight

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Tiltable	180°
Sensor option	Daylight with accessory
Dimmable option	No
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	3 SDCM
Emergency option	No

Installation information

Install connector type	Flying lead
Inrush current	150W - 110A 0.2ms
Construction material	Aluminium alloy tempered glass
Weight	150W - 5.00Kg
Maximum ambient temperature	-40°C to +50°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	w	Colour	\chi^\chi	lm	lm/W	Energy
IFL15BX30100150	Black	150W	3000K	100°x150°	17100	114	A E
IFL15BX40100150	Black	150W	4000K	100°x150°	17100	114	A D

Wiring information

Cable / flying lead	1000mm H05RN-F 3x1.0mm ² Ø7mm
Type of wiring required	Parallel

Accessories

PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	403

Industrial Floodlights



High efficacy of 114lm/W



Quick and easy installation with angle stamped brackets



IP65 suitable for outdoor environments

Guarantee

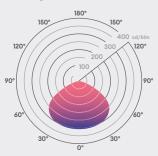
5 years

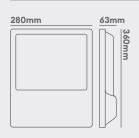
Features & benefits

Ratchet points on bracket, tightened by allen key

Surge protection L/N-PE = 10KV L-N = 6KV

Beam angle: 100°x150°





Industrial Floodlights



High efficacy of 111lm/W



Quick and easy installation with angle stamped brackets



IP65 suitable for outdoor environments

Guarantee

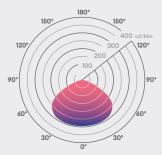
5 years

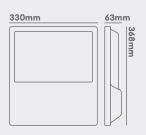
Features & benefits

Ratchet points on bracket, tightened by allen key

Surge protection L/N-PE = 10KV L-N = 6KV

Beam angle: 100°x150°







K2 200W

Asymmetrical Aluminium Industrial Floodlight

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Tiltable	180°
Sensor option	No
Dimmable option	No
Input	220-240V 50/60Hz Surge protection 6KV
LED lifetime	50,000h L80
CRI	80 Ra
SDCM	3 SDCM
Emergency option	No

Installation information

Install connector type	Flying lead
Inrush current	200W - 120A 0.2ms
Construction material	Aluminium alloy tempered glass
Weight	200W - 5.60Kg
Maximum ambient temperature	-40°C to +50°C
SELV	Yes
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	Colour	\chi^\chi	lm	lm/W	Energy
IFL20BX30100150	Black	200W	3000K	100°x150°	22000	111	A E
IFL20BX40100150	Black	200W	4000K	100°x150°	22200	111	A D

Wiring information

Cable / flying lead	1000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

N/A No accessories required	
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Anti-Corrosives

Caiman Versa

Our anti-corrosives are built to last in the toughest of environments, whilst providing excellent energy savings.

Wattage & CCT switchable

Wattage switchable: one light, two wattage outputs

Caiman Versa provides both the output of a single and a twin anti-corrosive within the same product.

Advantages

- Reduces stockholding from twelve luminaires to be three.
- Adjust using DIP switches on the driver during installation.

Product	Single output		Twin	output
Caiman Versa 4ft	18W	2590 - 5500lm	37W	5180 - 5550lm
Caiman Versa 5ft	28W	3920 - 4200lm	56W	7840 - 8400lm
Caiman Versa 6ft	33W	4690 - 5025lm	67W	9380 - 10050lm

Single output



Twin output



CCT switchable: one light, three CCT temperatures

Our colour switchable anti corrosive allows you to stock 3 colour temperatures in 1 product (3000K, 4000K & 5700K).

Advantages

- Customer can choose which colour they prefer.
- Adjust using a switch during installation.

3000K Warm White



4000K Cool White (default) Daylight



5700K



Plug & Play kits

The Versa range of Microwave sensor and Emergency options can adapt a luminaire in seconds to provide energy savings, dimming or safety. See below the options:

Product	Description	Caiman Versa	Caiman Quick Connect
ACKITMANEM	Manual Test Emergency plug-in Versabox	•	-
ACKITSELFEM	Self Test Emergency plug-in Versabox	•	-
ACKITDALIEM	DALI-2 Emergency plug-in Versabox	•*	-
ACKITMWS	Microwave Sensor on/off plug-in Versabox	•	*
ACKITMWSDIM	Microwave Sensor Dim plug-in Versabox (requires 0-10V driver)	•*	-

^{*} Assembled on demand by Collingwood production.

Accessories

Product	Description	Caiman Versa	Caiman Quick Connect
ACREMOTEMWS	Remote for Microwave Sensor	•	
ACBESA	BESA Mounting Bracket	•	-
PIRBOLT	M20 Bolt-on PIR On/Off with lux level switch	•	-
PIRBOLTDIM	M20 Bolt-on PIR Step-Dim with lex level switch (requires 0-10V driver)	•	-
PIRBOLTDIMREM	Remote control for use with PIRBOLTDIM		-

Terminal block

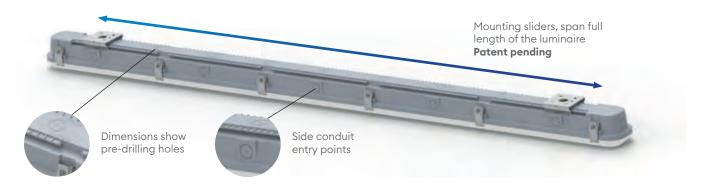
The Terminal block is moveable to one of three different locations to accommodate the cable



Time saving installation

Fully flexible first-fix bracket

A unique full mounting slider which spans the full length of the luminaire on the back of the housing. The feature removes the need for measuring up where to place your bracket drill points because the bracket can go anywhere on the slider.



Mounting options

Caiman Versa

Caiman Versa is suitable for when the mains cable entry is fed via the rear or the side conduit of the product. It can be mounted to BESA using accessory ACBESA or using the standard bracket supplied, installed on ceilings, walls or suspended on chain.



Caiman Quick Connect

Use this solution when the mains cable entry is fed via the side conduit entry to avoid the need to open any clips or luminaire to install it! Just remove cap, push-in your wires to the connector and screw on the PG Gland.





Product is through-wired for continuous run.

Dimmable



0-10V, PUSH DIM DALI-2

Microwave



Microwave On-Off Microwave STEP-DIM

Emergency



Manual-test, Self-test DALI-2 test

IP66 & IK10





High impact and high water and dust resistance

Anti-Corrosives



CCT switchable between 3000K, 4000K & 5700K



Wattage Switchable



IP66 for external use

Guarantee

7 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

Unique full length mounting slider allows complete freedom of mounting positions

Versabox plug and play kit range to accommodate project requirements

Rear and side housing conduit entry points

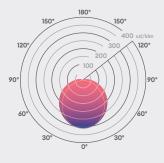
Quick release terminal block to aid fast wiring and movement to mains cable entry point

All installation points are marked on the outside of the luminaire to aid accurate pre-drilling, BESA mount accessory (ACBESA) sold separately

Supplied with mounting clips, hanging bracket and compression gland

Quick connect through-wired version for side entry to avoid opening the product also available

Beam angle: 120°



1200mm	
1500mm	92.3mr
	73mm
1800mm	3



Caiman Versa 4ft

CCT Colour & Wattage Switchable Anti-Corrosive with plug-in Versabox accessories

Features

IK rating	IK10
J	
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	Microwave
Dimmable option	Yes (DALI-2, 0-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	100,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	Removeable, moveable, loop in/out
Inrush current	16A 0.51ms
Construction material	Polycarbonate Housing (RAL7005), Anti-UV Diffuser
Weight	1.3 - 2.15kg
Maximum ambient temperature	-20°C to 35°C
SELV	N/A
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	w	Colour	\text{\tin}\text{\tetx}\\ \text{\ti}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}\\ \ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	lm	Llm/W	EM	Energy
AC4N			3000K	120°	2590	144	240	
		18W	4000K	120°	2775	154	240	å C
	Standard		5700K	120°	2775	154	240	
			3000K	120°	5180	144	240	
		37W	4000K	120°	5550	154	240	(C
			5700K	120°	5550	154	240	

^{*}Replace 'N' at the end of the part code with: 'NEM' for Manual-test Emergency models | 'D' for DALI-2/PUSH DIM | 'V' for 0-10V | Plug in kits also available as separate accessories.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	416
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	416
ACKITDALIEM	DALI-2 Emergency plug-in Versabox	Sold Separately	416
ACKITMWS	MIcrowave Sensor on/off plug-in Versabox	Sold Separately	416
ACKITMWSDIM	MIcrowave Sensor Dim plug-in Versabox (requires 0-10V driver)	Sold Separately	416
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	416
ACBESA	BESA Mounting Bracket	Sold Separately	416



Caiman Quick Connect 4ft

Wire a side mains cable entry without needing to open luminaire (product is through-wired)

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	MW On-Off
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	100,000h L70
CRI	80 Ra
SDCM	6 SDCM

Installation information

Install connector type	Removeable, moveable, loop in/out
Inrush current	16A 0.51ms
Construction material	Polycarbonate Housing (RAL7005), Anti-UV Diffuser
Weight	1.3 - 2.15kg
Maximum ambient temperature	-20°C to 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	W	Colour	\cap \cap \cap \cap \cap \cap \cap \cap	lm	Llm/W	EM	Energy
AC4TWN			3000K	120°	2590	144	N/A	
		18W	4000K	120°	2775	154	N/A	å C
	Standard 3		5700K	120°	2775	154	N/A	
			3000K	120°	5180	144	N/A	
		37W	4000K	120°	5550	154	N/A	å c
			5700K	120°	5550	154	N/A	

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMWS	Microwave Sensor on/off Plug-in Kit (Assembled on demand by Collingwood Production)	Sold Separately	416
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Anti-Corrosives



CCT switchable between 3000K, 4000K & 5700K



Wattage Switchable



IP66 for external use

Guarantee

7 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

Unique full length mounting slider allows complete freedom of mounting positions

Quick connect through-wired version for side entry to avoid opening the product

Versabox plug and play microwave sensor kit to automate lights off when no presence is detected

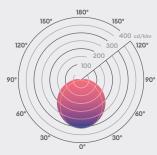
Rear and side housing conduit entry points

All installation points are marked on the outside of the luminaire to aid accurate pre-drilling, BESA mount accessory (ACBESA) sold separately

Supplied with mounting clips, hanging bracket and compression glands at either end of luminaire

ACKITMWS must be assembled by Collingwood Production only.

Beam angle: 120°



1200mm	
1500mm	92.3mm
1800mm	ä

Anti-Corrosives



CCT switchable between 3000K, 4000K & 5700K



Wattage Switchable



IP66 for external use

Guarantee

7 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

Unique full length mounting slider allows complete freedom of mounting positions

Versabox plug and play kit range to accommodate project requirements

Rear and side housing conduit entry points

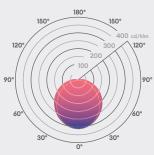
Quick release terminal block to aid fast wiring and movement to mains cable entry point

All installation points are marked on the outside of the luminaire to aid accurate pre-drilling, BESA mount accessory (ACBESA) sold separately

Supplied with mounting clips, hanging bracket and compression gland

Quick connect through-wired version for side entry to avoid opening the product also available

Beam angle: 120°



1200mm	
1500mm	92.3mr
	- 1 3
1800mm	73mm





Caiman Versa 5ft

CCT Colour & Wattage Switchable Anti-Corrosive with plug-in Versabox accessories

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	Microwave
Dimmable option	Yes (DALI-2, 0-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	100,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	Removeable, moveable, loop in/out
Inrush current	16A 0.51ms
Construction material	Polycarbonate Housing (RAL7005), Anti-UV Diffuser
Weight	1.3 - 2.15kg
Maximum ambient temperature	-20°C to 35°C
SELV	N/A
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	w	Colour	\^\c	lm	Llm/W	EM	Energy
AC5N			3000K	120°	3920	140	230	
		28W	4000K	120°	4200	150	230	å C
	Standard		5700K	120°	4200	150	230	
		56W	3000K	120°	7840	140	230	
			4000K	120°	8400	150	230	(C
			5700K	120°	8400	150	230	

^{*}Replace 'N' at the end of the part code with: 'NEM' for Manual-test Emergency models | 'D' for DALI-2/PUSH DIM | 'V' for 0-10V | Plug in kits also available as separate accessories.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	416
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	416
ACKITDALIEM	DALI-2 Emergency plug-in Versabox	Sold Separately	416
ACKITMWS	MIcrowave Sensor on/off plug-in Versabox	Sold Separately	416
ACKITMWSDIM	MIcrowave Sensor Dim plug-in Versabox (requires 0-10V driver)	Sold Separately	416
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	416
ACBESA	BESA Mounting Bracket	Sold Separately	416





Caiman Quick Connect 5ft

Wire a side mains cable entry without needing to open luminaire (product is through-wired)

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	MW On-Off
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	100,000h L70
CRI	80 Ra
SDCM	6 SDCM
	0 00 01 1

Installation information

Install connector type	Removeable, moveable, loop in/out
Inrush current	16A 0.51ms
Construction material	Polycarbonate Housing (RAL7005), Anti-UV Diffuser
Weight	1.3 - 2.15kg
Maximum ambient temperature	-20°C to 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	W	Colour	\text{\tin}\text{\tetx}\\ \text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}}\\ \text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	lm	Llm/W	EM	Energy
AC5TWN	Standard		3000K	120°	3920	140	N/A	
		28W	4000K	120°	4200	150	N/A	A C
			5700K	120°	4200	150	N/A	
			3000K	120°	7840	140	N/A	
		56W	4000K	120°	8400	150	N/A	å C
			5700K	120°	8400	150	N/A	

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMWS	Microwave Sensor on/off Plug-in Kit (Assembled on demand by Collingwood Production)	Sold Separately	416
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Anti-Corrosives



CCT switchable between 3000K, 4000K & 5700K



Wattage Switchable



IP66 for external use

Guarantee

7 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

Unique full length mounting slider allows complete freedom of mounting positions

Quick connect through-wired version for side entry to avoid opening the product

Versabox plug and play microwave sensor kit to automate lights off when no presence is detected

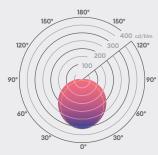
Rear and side housing conduit entry points

All installation points are marked on the outside of the luminaire to aid accurate pre-drilling, BESA mount accessory (ACBESA) sold separately

Supplied with mounting clips, hanging bracket and compression glands at either end of luminaire

ACKITMWS must be assembled by Collingwood Production only.

Beam angle: 120°



1200mm	
1500mm	92.3mm
1800mm	B

Anti-Corrosives



CCT switchable between 3000K, 4000K & 5700K



Wattage Switchable



IP66 for external

Guarantee

7 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

Unique full length mounting slider allows complete freedom of mounting positions

Versabox plug and play kit range to accommodate project requirements

Rear and side housing conduit entry points

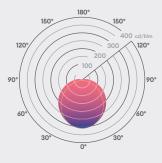
Quick release terminal block to aid fast wiring and movement to mains cable entry point

All installation points are marked on the outside of the luminaire to aid accurate pre-drilling, BESA mount accessory (ACBESA) sold separately

Supplied with mounting clips, hanging bracket and compression gland

Quick connect through-wired version for side entry to avoid opening the product also available

Beam angle: 120°



1200mm	
1500mm	92.3mr
	73mm
1800mm	3



Caiman Versa 6ft

CCT Colour & Wattage Switchable Anti-Corrosive with plug-in Versabox accessories

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	Microwave
Dimmable option	Yes (DALI-2, 0-10V, PUSH- DIM)
Input	220-240V 50/60Hz
LED lifetime	100,000h L70
CRI	80 Ra
SDCM	6 SDCM
Emergency option	Yes

Installation information

Install connector type	Removeable, moveable, loop in/out
Inrush current	16A 0.51ms
Construction material	Polycarbonate Housing (RAL7005), Anti-UV Diffuser
Weight	1.3 - 2.15kg
Maximum ambient temperature	-20°C to 35°C
SELV	N/A
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	w	Colour	\^\c	lm	Llm/W	EM	Energy
			3000K	120°	4690	142	200	
	33W	4000K	120°	5025	152	200	G C	
AC(N	Standard		5700K	120°	5025	152	200	
AC6N		67W	3000K	120°	9380	140	200	
			4000K	120°	10050	150	200	(C
			5700K	120°	10050	150	200	

^{*}Replace 'N' at the end of the part code with: 'NEM' for Manual-test Emergency models | 'D' for DALI-2/PUSH DIM | 'V' for 0-10V | Plug in kits also available as separate accessories.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	416
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	416
ACKITDALIEM	DALI-2 Emergency plug-in Versabox	Sold Separately	416
ACKITMWS	MIcrowave Sensor on/off plug-in Versabox	Sold Separately	416
ACKITMWSDIM	MIcrowave Sensor Dim plug-in Versabox (requires 0-10V driver)	Sold Separately	416
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	416
ACBESA	BESA Mounting Bracket	Sold Separately	416



Caiman Quick Connect 6ft

Wire a side mains cable entry without needing to open luminaire (product is through-wired)

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	MW On-Off
Dimmable option	No
Input	220-240V 50/60Hz
LED lifetime	100,000h L70
CRI	80 Ra
SDCM	6 SDCM

Installation information

Install connector type	Removeable, moveable, loop in/out
Inrush current	16A 0.51ms
Construction material	Polycarbonate Housing (RAL7005), Anti-UV Diffuser
Weight	1.3 - 2.15kg
Maximum ambient temperature	-20°C to 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Туре	w	Colour	\^\colon \colon	lm	Llm/W	EM	Energy
	AC6TWN Standard		3000K	120°	4690	142	N/A	
		33W	4000K	120°	5025	152	N/A	A C
ACCTIVINI			5700K	120°	5025	152	N/A	
ACOTWN		67W	3000K	120°	9380	140	N/A	
			4000K	120°	10050	150	N/A	å C
			5700K	120°	10050	150	N/A	

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMWS	Microwave Sensor on/off Plug-in Kit (Assembled on demand by Collingwood Production)	Sold Separately	416
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Anti-Corrosives



CCT switchable between 3000K, 4000K & 5700K



Wattage Switchable



IP66 for external use

Guarantee

7 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

Unique full length mounting slider allows complete freedom of mounting positions

Quick connect through-wired version for side entry to avoid opening the product

Versabox plug and play microwave sensor kit to automate lights off when no presence is detected

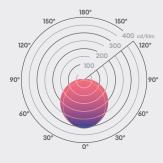
Rear and side housing conduit entry points

All installation points are marked on the outside of the luminaire to aid accurate pre-drilling, BESA mount accessory (ACBESA) sold separately

Supplied with mounting clips, hanging bracket and compression glands at either end of luminaire

ACKITMWS must be assembled by Collingwood Production only.

Beam angle: 120°





Caiman accessories

Make your anti-corrosive perfect for your installation

Optional PIR sensor and emergency accessories combine excellence and unrivalled cost savings.

Use the tables below to choose the perfect accessory for your product

	ACKITMANEM	ACKITSELFEM	ACKITDALIEM	ACKITMWS	ACKITMWSDIM	ACREMOTEMWS (ACKITMWSDIM Remote)	ACBESA
Accessory on its own	S. T.	2			-	With	
Accessory on product							

Product codes

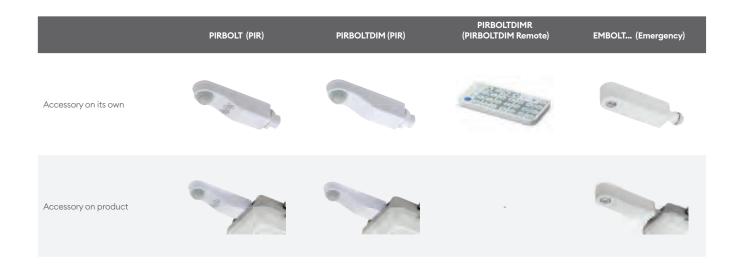
Product Code	Description	Guarantee
ACKITMANEM	Manual Test Emergency Plug-in kit	5 years
ACKITSELFEM	Self Test Emergency Plug-in kit	5 years
ACKITDALIEM	DALI-2 Emergency Plug-in Kit	5 years
ACKITMWS	MIcrowave Sensor on/off Plug-in Kit	5 years
ACKITMWSDIM	MIcrowave Sensor Dim Plug-in Kit (requires 0-10V driver)	5 years
ACREMOTEMWS	Remote for Mircowave Sensor	5 years
ACBESA	BESA mounting bracket	5 years

For full product specification visit **collingwoodlighting.com**

Compatible with

	Caiman Versa 4ft Page 410	Caiman QC 4ft Page 411	Caiman Versa 5ft Page 412	Caiman QC 5ft Page 413	Caiman Versa 6ft Page 414	Caiman QC 6ft Page 415
ACKITMANEM	•		•		•	
ACKITSELFEM	•		•		•	
ACKITDALIEM	•*		•*		*	
ACKITMWS	•	•*	•	•*	•	•*
ACKITMWSDIM	•*		•*		•*	
ACREMOTEMWS	Compatible with ACKIT	MWSDIM & ACKITMW	s			
ACBESA	•		•		•	

^{*} Assembled on demand by Collingwood production.



Product codes

Product Code	Description	Guarantee
PIRBOLT	On/Off PIR sensor with Lux level switch	5 Years
PIRBOLTDIM	Dimming PIR Sensor with Lux level switch (requires 0-10V driver)	5 Years
PIRBOLTDIMR	Remote control for use with PIRBOLTDIM	5 Years
EMBOLTMCOR	3 hour emergency conversion pack, corridor area, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTMOPEN	3 hour emergency conversion pack, open area, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTSCOR	3 hour emergency conversion pack, corridor area, self-test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTSOPEN	3 hour emergency conversion pack, open area, self-test	4 years guarantee of the electronics 2 years guarantee of the battery

For full product specification visit **collingwoodlighting.com**

Compatible with

	Caiman Versa 4ft Page 410	Caiman QC 4ft Page 411	Caiman Versa 5ft Page 412	Caiman QC 5ft Page 413	Caiman Versa 6ft Page 414	Caiman QC 6ft Page 415
PIRBOLT	•	•	•	•	•	•
PIRBOLTDIM	•	•	•	•	•	•
PIRBOLTDIMR	Compatible with PIRB	OLTDIM				
EMBOLTMCOR	•	•	•	•	•	•
EMBOLTMOPEN	•	•	•	•	•	•
EMBOLTSCOR	•	•	•	•	•	•
EMBOLTSOPEN	•	•	•	•	•	•

Colour Change

Our RGBW range of colour change products provides increased flexibility to improve the atmosphere of indoor and outdoor spaces. The difference between RGB and RGBW is a white LED. Adding white to the colour mix gives the option to create pastel shades as well as vibrant colour choices. RGBW can also be run on white, giving you the option of more natural lighting when required.

To complement our RGBW products we also offer a new control system range. This makes it easy to create different lighting zones allowing individual control of separate areas using a single hand held control, wall mounted control or a smart device App for Android and iOS.



3 Simple steps

Remote to product

Follow the guide below to set up your colour change installation.

Products

What products do you want?

You will need cable to connect your products to your drivers

Drivers

You will need at least one driver per zone, dependant on how many products you would like to install within that zone.

Are you using an RF remote, DMX or DALI control system?

What wattage driver do you need to power your products?



If you want to colour cycle across mutiple zone we recommend using power repeaters or for larger projects DMX drivers.

Remotes

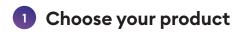
How many zones / rooms do you need?

Which remote covers the number of zones you need?

Is a DMX control system already in place or do you need more than 8 zones? (Use a DMX control system in this case)



It is not advised to put RGB & RGBW products in the same zone, as the colours will not always match.



Constant current products



Constant voltage product



2 Choose control method and driver

Constant current 75W drivers





75W RF, DMX and DALI drivers See page 424



Constant voltage 24V 100W drivers





100W RF, DMX and DALI drivers See page 424



Constant Voltage 24V 200W drivers



200W RF, DMX and DALI drivers See page 424

3 Choose your controller (RF only)



Wall mounted

CCWALLRFW / CCWALLRFB

Zones 1 - 4

Page 422



Hand held



CCREMOTEB

Zones 1 - 4

Page 422



Phone App

CollingwoodRGBW App

Zones 1 - 8

Page 423



CCRFCONVWIFI

Page 423

Zones

Remotes

A zone can cover any space you choose. They are often assigned to rooms so that you can have different colour settings for each room and be able to adjust them completely independently from one another using your remote control. For example...

House front





Bedroom 1



Zone 1



Zone 2





Zone 4

Remember you can assign any room to any zone number

Once you have decided how many zones you require, you will need to select a remote that is capable of covering that number of

zones. You are able to use multiple remotes as long as they are all capable of covering the number of zones you have.

Zone 3

Wall mounted remote control - CCWALLRFW / CCWALLRFB - 1-4 zones

Hand held remote control - CCREMOTEB - 1-4 zones

CollingwoodRGBW app - with CCRFCONVWIFI - 1-8 zones

Zone 1/1 Room

Zone 2 / 2 Rooms

Zone 3 / 3 Rooms

Zone 4 / 4 Rooms

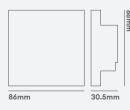
CCWALLRFW / CCWALLRFB

Wall mounted RGBW remote control

Controlling Collingwood Lighting's RGB & RGBW ranges could not be easier with this wall mounted remote control. Using radio frequency (RF) removes the need to connect a signal cable to the controller for a cleaner and quicker installation. By simply touching the screen, select solid colours or start a cycle to change the atmosphere. Colours can also be dimmed by holding down the colour button. Select up to 4 zones to give individuality to each room.

Note: The CCWALLRF requires 240V AC supply.





CCREMOTEB

Handheld remote control

Controlling RGB & RGBW lights could not be easier with this remote control. Using RF removes the need to connect a signal cable to the controller for a cleaner and quicker installation. Select solid colours or start a colour changing cycle to create the perfect atmosphere. Colours can also be dimmed by holding down the colour button. From just one remote control you can select up to 4 different rooms and change the colours individually to suit. A maximum of 8 remote controls can be used and programmed to store your favourite colours.

Note: Requires 3 x AAA batteries (not included)



Bedroom 2

Zone 5



Zone 6

Garden



Dining room

Zone 7

Stairs / Hallway



Zone 8

If you require more than 8 zones you will need to use a DMX control system

Zone 5 / 5 Rooms

Zone 6 / 6 Rooms

Zone 7 / 7 Rooms

Zone 8 / 8 Rooms

CollingwoodRGBW App

iPhone, iPad & Android app for wireless control

Control RGB & RGBW products with a smart device for up to 8 zones. By simply touching the screen, select solid colours, start a cycle or control lights via a sound to light option. The app can be downloaded for free on Android and iOS.

Note: Use in conjunction with CCRFCONVWIFI



CCRFCONVWIFI

WiFi to RF converter

Controlling RGB & RGBW products with a phone, computer or tablet could not be easier with the CCRFCONVWIFI. Simply add this unit into your Collingwood Lighting colour change installation and select millions of colours in comfort.

Using the CollingwoodRGBW app simply connect directly to the CCRFCONVWIFI or via your own WiFi.





Drivers

Which one and what power supply?

Choose the driver that is required for your installation.

	RF drivers	DMX drivers	DALI drivers	
Which driver type do you need?	RF drivers allow wireless control from a hand-held remote controller, a wall mounted touch panel or a phone app via the Wi-Fi converter. A driver can be paired with up to 8 individual remotes and each remote can control multiple drivers in up to 8 zones.	DMX allows for wired control of up to 128 different zones, and multiple drivers can be assigned to each zone to keep the lights perfectly in sync. These drivers also support RDM for more advanced control and management with RDM-enabled controllers.	Use a DALI driver for integration with an existing DALI control system. These drivers allow for up to 16 RGBW zones or up to 64 single-colour zones on a standard DALI system.	
75W Driver for all RGBW products excluding LED Strip	CCDRV75RF	CCDRV75DMX	CCDRV75DALI	244mm 64mm 32mm
100W Driver For LED Strip only	CCDRVIOORF	CCDRV100DMX	CCDRV100DALI	244mm 64mm 32mm
200W Driver For LED Strip only	CCDRV200RF	CCDRV200DMX	CCDRV200DALI	330mm 79mm 39mm



If you want to colour cycle across mutiple zone we recommend using power repeaters or for larger projects DMX drivers.

Constant current switchable mA drivers

All our 75W constant current drivers are mA switchable, giving you 16 options to choose from, 250mA - 1500mA



Drive current mA switches

Calculate how many drivers you need for the products you have

Must have at least one driver per zone. Can have mutiple drivers per zone to get more products within the zone.

75W Constant current drivers

Product code	Product family	Max products per 75W driver	Drive current mA setting
DL329RGBW	Downlight	13	350mA
LL030CARGB	Downlight	13	350mA
LL090RGBW	Downlight	4	350mA
GL016RGBW	Ground Light	13	350mA
GL040CARGB	Ground Light	13	350mA
GL050RGBW	Ground Light	13	350mA
GL090RGBW	Ground Light	4	350mA
GLTXS119RGBW	Ground Light	4	300mA
GLTXS147RGBW	Ground Light	2	300mA
GLTXS165RGBW	Ground Light	1	300mA
GLTXS193RGBW	Ground Light	3	900mA
GLTXS223RGBW	Ground Light	1	600mA
FOUX167RGBW	Ground Light	1	600mA
UL010RGBW	Feature Light	13	350mA
UL030RGBW	Feature Light	4	350mA
UL345CARGB	Uplight	1	350mA
UL346CARGB	Uplight	1	350mA
UL347CARGB	Uplight	1	350mA
WL070RGBW	Wall Light	1	350mA

100W Constant voltage drivers

Product code	Product family	Max metre length per 100W driver
 LSR05	RGBW Strip	6m

200W Constant voltage drivers

Product code	Product family	Max metre length per 200W driver
LSR05	RGBW Strip	13m

Cable run guidance, from controller to products

350mA RGBW products

From power repeater to 350mA product when using **0.5mm cable**, the maximum distance cable run is **50m**

From power repeater to 350mA product when using **0.75mm cable**, the maximum distance cable run is **75m**

From power repeater to 350mA product when using **1.0mm cable**, the maximum distance cable run is **100m**

From power repeater to 350mA product when using **1.5mm cable**, the maximum distance cable run is **150m**

24V RGBW strip

From controller to strip when using **0.75mm cable**, the maximum distance cable run is **20m**

From controller to strip when using 1.5mm cable, the maximum distance cable run is 40m

Power repeaters

Which one and how many?



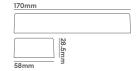
If you are using RF control and you need several different circuits to colour cycle together, you can use power repeaters to extend the output of the driver.

For all constant current products use the PR3011

PR3011 - 350mA RGB & RGBW Power repeater

A 350mA power supply for the RGB & RGBW product range. Simply wire up to 100 PR3011 to a driver for a quick and simple colour change installation, giving you the ability to have as many as 600 luminaires per zone.





Calculate how many PR3011's you need for the products you have

NOTE: Tilt and Fountain lights are not suitable with PR3011

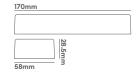
Product code	Product family	Max. per PR3011
DL329RGBW	Downlight	6
GL016RGBW	Ground Light	6
GL040CARGB	Ground Light	6
GL050RGBW	Ground Light	6
GL090RGBW	Ground Light	2
LL030CARGB	Downlight	6
LL090RGBW	Downlight	2
UL010RGBW	Pond Light	6
UL030RGBW	Pond Light	2
UL345CARGB	Uplight	1
UL346CARGB	Uplight	1
UL347CARGB	Uplight	1
WL070RGBW	Wall Light	1

For all constant voltage products use the PR3002

PR3002 - 24V RGB & RGBW Power repeater

A 24V power supply for the strip product range. Simply wire up to 100 to a driver for a quick and simple colour change installation, giving you the ability to have as many as 1000 metres of LED strip per zone.





Calculate how many PR3002's you need for the products you have

LSR05 (RGBW strip) - Bespoke lengths available

Length of strip per power repeater	Wattage driver needed	Product (driver)
Up to 2m per PR3002	50W	PS5024
Up to 5m per PR3002	120W	LSD12024
Up to 10m per PR3002	150W	PSIP15024



For all strip, you can put up to 5m on one circuit per PR3002, but for 5-10m you will need to put the strip on two circuits per PR3002 (see product instructions).



Don't forget you'll need 300mm of CF505RGBW cable for every power repeater you use.

Don't forget your 24V driver to power your power repeater

Number of power repeaters	Wattage driver needed	Product (driver)
1	50W	PS5024
2-3	120W	LSD12024
4-5	150W	PSIP15024

The products will be powered by power repeaters that require a 24V driver. The table shows you which driver you need for the number of power repeaters you are using. If you require more than 5 power repeaters you will need another driver.

In the example we calculated that we need 3 x PR3011. Using the table to the left we can see that we need a 100W driver. This means that you will need to order the following...



x3 PR3011



Wiring

For your colour change products

You may need additional cables to connect your colour change products.



CR575RGBW

5-core PVC cable

Product code	CR575RGBW
Construction material	Copper cable
Cable	PVC 5 x 0.75mm ²
Guarantee	1 year extended warranty

Use in conjunction with:

All RGBW products	
JB7	464



LEDRGBWEXT

Colour change extension lead for RGBW products

LEDRGBWEXT
Copper cable (PVC)
1m (AWG 24) (5 x 0.25mm²)
Series (Plug & Play)
1 year extended warranty

Use in conjunction with:

DL329RGBW	437
LL090RGBW	435
WL070RGBW	438



CF505RGBW

5-core RGBW ribbon cable

CF505RGBW
Copper cable
(AWG 24) (5 x 0.25mm²)
1 year extended warranty

Use in conjunction with:

PR3011	426
PR3002	426



DMX RS 485 CABLE

3-core shielded cable

Product code	DMX RS 485 CABLE
Construction material	Copper cable
Cable	0.15mm²
Guarantee	1 year extended warranty

Use in conjunction with:

CCDRV75DMX	424
CCDRV100DMX	424
CCDRV200DMX	424

Colour Change



RGBW



IP67 for complete protection against ingress of dust and



IK10 for protection against high impact

Guarantee

5 years

Features & benefits

Suitable for coastal applications

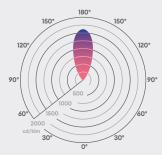
Tilt angle of luminaire is adjustable, just turn knob to tilt the light distribution up to 25 degrees

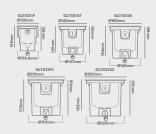
Static loading capacity is 2000kg

Pre-wired with 1 meter of cable to aid the installer

TRIAC mains dimmable and DALI-2 dimmable options also available

Beam angle: 40°









Tilt RGBW ground light Driverless, RGBW Colour Change

Features

IK10
IP67
RGBW
Drive over (15mph maximum)
220-240V 50/60Hz
50,000h L70
80 Ra
3 SDCM

Installation information

Cut out size	119/147/165
Bathroom zone	2
Construction material	Anodised aluminium body, 316 SS bezel
Suitable for coastal areas	Yes
Weight	GLTM_11: 0.99kg, GLTM_14: 1.56kg, GLTM_16: 2.03kg
Maximum ambient temperature	-25 to +40 deg
SELV	N/A
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	Туре	W	сст	△ :	lm	lm/W	Energy
		Ø119mm	2W	White (3000K)	40°	80	28	
GLTXS119RGBW	Stainless		2W	Red	40°	60	26	A G
GLIASIIYKGBW	steel 316	cut-out	2W	Green	40°	90	30	Ġ.
			2W	Blue	40°	30	9	
		4W	White (3000K)	40°	160	28		
CLTVC147DCDW	Stainless Ø147mm steel 316 cut-out	Ø147mm	3W	Red	40°	130	30	â o
GLI ASI4/RGBW		cut-out	4W	Green	40°	190	37	F .
			4W	Blue	40°	60	11	
GLTXS165RGRW		5.5W	White (3000K)	40°	260	28		
		Ø165mm	4.5W	Red	40°	190	30	A G
		cut-out	5W	Green	40°	300	37	Ġ
			5W	Blue	40°	100	11	

Wiring information

Cable / flying lead	Pre-wired 1.0M H05RN-F, 5x1.0mm2
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

JB5	Gel filled waterproof junction box	Sold Separately	464
CCDRV75DMX	Colour Change CC Driver, 8-43V 75W, DMX 4CH	Sold Separately	424
CCDRV75DALI	Colour Change CC Driver, 8-43V 75W, DALI-2 4CH	Sold Separately	424
CCDRV75RF	Colour Change CC Driver, 8-43V 75W, RF 4CH	Sold Separately	424
CCRFCONVWIFI	Colour Change RF-WIFI Wall Control, 12VDC	Sold Separately	423







Tilt RGBW ground light Driverless, RGBW Colour Change

Features

IK rating	IK10
IP rating	IP67
RGB / RGBW	RGBW
Walk over / Drive over	Drive over (15mph maximum)
Input	220-240V 50/60Hz
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	193/223mm
Bathroom zone	2
Construction material	Anodised aluminium body, 316 SS bezel
Suitable for coastal areas	Yes
Weight	GLTM_19: 3.26kg, GLTM_22: 3.98kg
Maximum ambient temperature	-25 to +40 deg
SELV	N/A
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	Туре	W	ССТ	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy
	Stainless	Ø193mm cut-out	9W	White (3000K)	40°	360	28	
GLTXS193RGBW			7W	Red	40°	275	33	
GLIASIYSKGBW	steel 316		9W	Green	40°	400	37	
			9W	Blue	40°	150	12	
		Ø223mm cut-out	11.5W	White (3000K)	40°	510	28	6
GLTXS223RGBW			9W	Red	40°	380	39	
			11.5W	Green	40°	560	41	
			12W	Blue	40°	190	13	

Wiring information

Cable / flying lead	Pre-wired 1.0M H05RN-F, 5x1.0mm2
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

Accessories

JB5	Gel filled waterproof junction box	Sold Separately	464
CCDRV75DMX	Colour Change CC Driver, 8-43V 75W, DMX 4CH	Sold Separately	424
CCDRV75DALI	Colour Change CC Driver, 8-43V 75W, DALI-2 4CH	Sold Separately	424
CCDRV75RF	Colour Change CC Driver, 8-43V 75W, RF 4CH	Sold Separately	424
CCRFCONVWIFI	Colour Change RF-WIFI Wall Control, 12VDC	Sold Separately	423

Colour Change



RGBW



IP67 for complete protection against ingress of dust and water



IK10 for protection against high impact

Guarantee

5 years

Features & benefits

Suitable for coastal applications

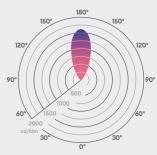
Tilt angle of luminaire is adjustable, just turn knob to tilt the light distribution up to 25 degrees

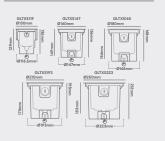
Static loading capacity is 2000kg

Pre-wired with 1 meter of cable to aid the installer

TRIAC mains dimmable and DALI-2 dimmable options also available

Beam angle: 40°





Colour Change



RGBW



IP68 suitable for full submersion into water



Suitable for coastal C5 application and high acid and alkali environment use

Guarantee

5 years

Features & benefits

316 Stainless steel housing and titanium cover provides outstanding corrosion resistance

Clear but strong 8mm tempered glass cover provides high efficiency and clear colour accuracy

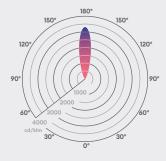
TRIAC mains dimmable as standard with RGBW option

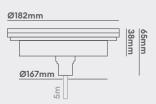
Pre-wired with 5 metres of cable to aid the installer

To be installed under water to prevent over-heating

24V version available

Beam angle: 35°











Fountain RGBW

Water feature light

Features

IK rating	IK08
IP rating	IP68
RGB / RGBW	RGBW
Walk over / Drive over	Walk over
Input	600mA
LED lifetime	50,000h L70
CRI	80 Ra
SDCM	3 SDCM

Installation information

Cut out size	Ø 167mm
Bathroom zone	0,1 (with dimming)
Construction material	316 Stainless Steel
Suitable for coastal areas	Yes
Weight	2.58kg
Maximum ambient temperature	-25°C to +40°C
SELV	Yes
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	w	сст	\chi^\chi	lm	lm/W	Energy
FOUX167RGBW	Stainless steel 316	13W	White (3000K)	35°	350	40	
		10W	Red	35°	500	40	
		13W	Green	35°	200	15	Ġ W
		13W	Blue	35°	500	35	

Wiring information

Cable / flying lead	Pre-wired 5.0M H05RN-F, 2x1.0mm2
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

JB7	5 pole screw terminal IP68 connector	Sold Separately	464





GL090RGBW

High output LED colour change ground light (12W max.)

Features

IK rating	IK08
IP rating	IP67
RGB / RGBW	RGBW
Walk over / Drive over	Walk over
Input	350mA
LED lifetime	50,000h L50
CRI	NI /A
CRI	N/A

Installation information

Cut out size	Ø 70mm
Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	900g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	ССТ	∕.°	lm	lm/W	Energy
		3W	White (4000K)	45°	177	59	
GL090RGBW	C+il	2W	Red	45°	106	53	A B
GLUYURGBW	Stainless steel	3W	Green	45°	185	62	Ġ S
		3W	Blue	45°	43	14	

Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

Accessories

TUBE/68	Installation tube	Sold Separately	233
JB7	5-pole IP68 inline connector	Sold Separately	464
CR575RGBW	5-core PVC cable	Sold Separately	427
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422

Colour Change



RGBW



Coastal protected



IK08 suitable for pathways

Guarantee

5 years

Features & benefits

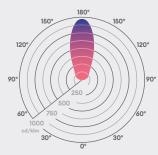
High output colour change for large areas

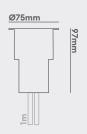
Marine grade stainless steel for use in outdoor and indoor environments

Separate white LED for permanent

Compatible with a large range of controllers

Beam angle: 45°







RGE



Coastal protected



IK08 suitable for pathways

Guarantee

5 years

Features & benefits

Low profile for easy installation Installation tube available

Compatible with a large range of controllers

Marine grade stainless steel for use in outdoor and indoor environments





GL040CARGB

Colour change LED ground light (3.5W max.)

Features

IK rating	IK08
IP rating	IP67
RGB / RGBW	RGB
Walk over / Drive over	Walk over
Input	350mA
LED lifetime	50,000h L50
CRI	N/A
SDCM	N/A

Installation information

Cut out size	Ø 70mm
Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	800g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	ССТ	△ °	lm	lm/W	Energy
		1W	Red	18°	34	34	
GL040CARGB	Stainless steel	1.2W	Green	18°	68	56	Exempt
		1.2W	Blue	18°	8	7	

Wiring information

Cable / flying lead	2x 1m LED RGB 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

TUBE/68	Installation tube	Sold Separately	233
JB7	5-pole IP68 inline connector	Sold Separately	464
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422
GLA01	Ground Light Accessory, square plate, stainless steel 316	Sold Separately	233





GL050RGBW

Colour change LED ground / marker light (5W max.)

Features

IK rating	IK08
IP rating	IP67
RGB / RGBW	RGBW
Walk over / Drive over	Walk over
Input	350mA
Input LED lifetime	350mA 50,000h L50

Installation information

Cut out size	Ø 70mm
Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	800g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	ССТ	\text{\tin}\text{\tetx}\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\tint{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\}\tittt{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\texi}\text{\text{\text{\ti}\tintt{\text{\text{\text{\text{\texi}\tint{\text{\text{\texi}\	lm	lm/W	Energy
GL050RGBW Stainless		1.2W	White (4000K)	100°	11	9	A @
	Chainlessahad	1W	Red	100°	9	9	
	Stainless steel	1.2W	Green	100°	13	11	Ġ S
		1.2W	Blue	100°	2	2	

Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

Accessories

TUBE/68	Installation tube	Sold Separately	233
JB7	5-pole IP68 inline connector	Sold Separately	464
CR575RGBW	5-core PVC cable	Sold Separately	427
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422

Colour Change



RGBW



Coastal protected



IK08 suitable for pathways

Guarantee

5 years

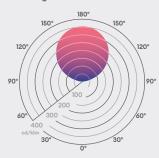
Features & benefits

Low profile for easy installation

Compatible with a large range of controllers

Separate white LED for permanent use

Beam angle: 100°







RGBW



Coastal protected



IK08 suitable for pathways

Guarantee

5 years

Features & benefits

Installation tube available

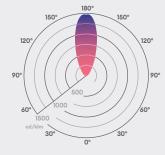
Low profile for easy installation

Separate white LED for permanent use

Compatible with a large range of

Marine grade stainless steel for use in outdoor and indoor environments

Beam angle: 40°







GL016RGBW

LED colour change ground light (5W max.)

Features

IK rating	IK09
IP rating	IP67
RGB / RGBW	RGBW
Walk over / Drive over	Walk over
Input	350mA
LED lifetime	50,000h L50
CRI	N/A
SDCM	3 SDCM

Installation information

Cut out size	Ø 50mm
Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	300g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	сст	\^\colon \colon	lm	lm/W	Energy
GL016RGBW Stainless stee		1.2W	White (4000K)	40°	50	42	
	Chainlanahaal	1W	Red	40°	38	38	ā o
	Stainless steel	1.2W	Green	40°	63	53	Ġ ®
		1.2W	Blue	40°	11	9	

Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

TUBE/50	Installation tube	Sold Separately	233
JB7	5-pole IP68 inline connector	Sold Separately	464
CR575RGBW	5-core PVC cable	Sold Separately	427
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422



LL090RGBW

Colour change LED unit (13W max.)

Features

IP rating	IP40
CSP switchable	RGBW
Input	350mA
LED lifetime	50,000h L50
CRI	N/A
SDCM	N/A

Installation information

Install connector type	Flying lead
Insulation coverable	No
Cut out size	Housing Dependant
Bathroom zone	Housing Dependant
Construction material	Aluminium
Weight	200g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	W	сст	△ °	lm	lm/W	Energy
LL090RGBW	3.3W	White (4000K)	25°	253	77	
	2.4W	Red	25°	140	58	(()
	3.3W	Green	25°	275	83	
	3.3W	Blue	25°	46	14	

Wiring information

Cable / flying lead	2x 1m Plug & Play 5-core ribbon cable
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

Accessories

LEDRGBWEXT	Colour change Plug & Play 1m extension lead	Sold Separately	427
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422

Colour Change



RGBW



Quick and easy installation with plug and play connector



IP40 suitable for living room and bedrooms

Guarantee

5 years

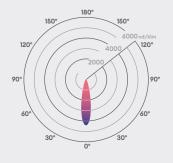
Features & benefits

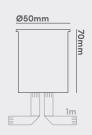
MR16 for retrofit into existing housings

Separate white LED for permanent use

Compatible with a large range of controllers

Beam angle: 25°







RGE



Quick and easy installation with plug and play connector



IP40 suitable for living room and bedrooms

Guarantee

5 years

Features & benefits

MR16 for retrofit into existing housings

Short heatsink for shallow housings

Compatible with a large range of



LL030CARGB

Colour change LED unit (4W max.)

Features

IP rating	IP40
CSP switchable	RGB
Input	350mA
LED lifetime	50,000h L50
CRI	N/A
SDCM	N/A

Installation information

Install connector type	Flying lead
Insulation coverable	No
Cut out size	Housing Dependant
Bathroom zone	Housing Dependant
Construction material	Aluminium
Weight	50g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

I	Product code	w	ССТ	△ °	lm	lm/W	Energy
		1W	Red	18°	38	38	
1	LL030CARGB	1.2W	Green	18°	75	63	Exempt
		1.2W	Blue	18°	11	9	

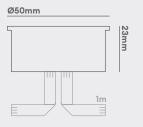
Wiring information

Cable / flying lead	2x 1m Plug & Play 4-core ribbon cable
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

CCRFCONVWIFI / CCREMOTEB /	4/8 zone RF control for RGB & RGBW system	Sold Separately	422
CCWALLRF(B/W)	4/ 0 ZONE NI CONTONIO NOD A NODW SYSTEM	sold separately	722





DL329RGBW

Colour change fibre optic injector (5W max.)

Features

IP rating	IP20
CSP switchable	RGBW
Input	350mA
LED lifetime	50,000h L50
CRI	80 Ra
SDCM	N/A

Installation information

Install connector type	Flying lead
Insulation coverable	N/A
Cut out size	N/A
Bathroom zone	N/A
Construction material	Aluminium
Weight	210g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	w	ССТ	△ °	lm	lm/W	Energy
	1.1W	White (4000K)	-	14	13	
DL329RGBW	1W	Red	-	-	-	4 6
DL329KGBW	1.1W	Green	-	-	-	Ġ W
	1.1W	Blue	-	-	-	

Wiring information

Cable / flying lead	2x 1m Plug & Play 5-core ribbon cable
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

Accessories

LEDRGBWEXT	Colour change Plug & Play 1m extension lead	Sold Separately	427
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422
FIBRE LED 2/30	Fibre optics 2m	Sold Separately	

Colour Change



Full RGBW colour range



Quick and easy installation with plug and play connector



CRI 80 providing true colour appearance

Guarantee

5 years

Features & benefits

Low weight for mounting in ceiling voids

Requires no fan to cool down

Projects light down 1m & 2m lengths of fibre

Separate white LED for permanent use

Compatible with a large range of controllers





RGBW



Coastal protected



IP65 ideal for outdoor environments

Guarantee

5 years

Features & benefits

Complete with wall fixings for easy installation

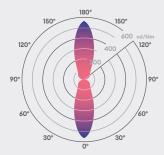
Projects light in two directions

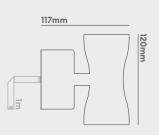
Separate white LED for permanent

Anodised aluminium for use in outdoor and indoor environments

Compatible with a large range of controllers

Beam angle: 45°







WL070RGBW

Up / down LED colour change wall light (24W max.)

Features

IP rating	IP65
RGB / RGBW	RGBW
Tiltable	No
Rotatable	Fixed
Dimmable	No
Input	350mA
LED lifetime	50,000h L50
CRI	N/A
SDCM	N/A

Installation information

Bathroom zone	1
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	0.9kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	w	сст	\chi	lm	lm/W	Energy
	6W	White (4000K)	45°	200	67		
WI OZOBOBWI	WL070RGBW Silver	4.0W	Red	45°	145	73	(B
WLU/URGBW Sliver		6.0W	Green	45°	230	77	Ġ.
	6.0W	Blue	45°	38	13		

Wiring information

Cable / flying lead	1x 5-core ribbon cable
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

LEDRGBWEXT	Colour change Plug & Play 1m extension lead	Sold Separately	427
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422



UL030RGBW

Colour change LED light (12W max.)

Features

IP rating	IP67
RGB / RGBW	RGBW
Tiltable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	350mA
LED lifetime	50,000h L50
CRI	80 Ra
SDCM	N/A

Installation information

Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	900g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	w	ССТ	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy
	3W	White (4000K)	45°	177	59		
LII 030BCBW	JL030RGBW Silver	2W	Red	45°	106	53	A B
OLUSURGBW		3W	Green	45°	185	62	
	3W	Blue	45°	43	14		

Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

Accessories

JB7	5-pole IP68 inline connector	Sold Separately	464
CR575RGBW	5-core PVC cable	Sold Separately	427
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422

Colour Change



RGBW



Coastal protected



IP67 ideal for outdoor areas and under water lighting

Guarantee

5 years

Features & benefits

Complete with wall fixings for easy installation

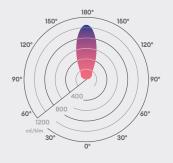
Can rotate and be angled to direct light

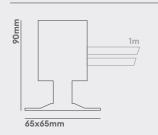
Separate white LED for permanent

Compatible with a large range of controllers

Marine grade stainless steel for use in outdoor and indoor environments

Beam angle: 45°







RGBW



Coastal protected



IP68 ideal for outdoor areas and under water lighting

Guarantee

5 years

Features & benefits

Complete with wall fixings for easy installation

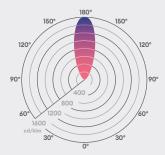
Can rotate and be angled to direct light

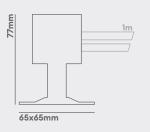
Separate white LED for permanent

Compatible with a large range of controllers

Marine grade stainless steel for use in outdoor and indoor environments

Beam angle: 40°







UL010RGBW

Colour change LED light (5W max.)

Features

IP rating	IP67
RGB / RGBW	RGBW
Tiltable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	350mA
LED lifetime	50,000h L50
CRI	80 Ra
SDCM	N/A

Installation information

Bathroom zone	1
Construction material	Stainless steel (316)
Suitable for coastal areas	Yes
Weight	700g
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	w	сст	<i>∧</i> °	lm	lm/W	Energy
	1.1W	White (4000K)	40°	50	45		
LII O10BCBW	UL010RGBW Silver	1W	Red	40°	38	38	6 6
OLUIORGBW		1.1W	Green	40°	63	57	Ġ
	1.1W	Blue	40°	11	8		

Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

JB7	5-pole IP68 inline connector	Sold Separately	464
CR575RGBW	5-core PVC cable	Sold Separately	427
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422



UL345CARGB

110° colour change wall washing light bar (12W max.)

Features

IK rating	IP65
IP rating	IP65
RGB / RGBW	RGB
Tiltable	180°
Dimmable	Yes
Input	350mA
LED lifetime	50,000h L50
CRI	N/A
SDCM	N/A

Installation information

Bathroom zone	1
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	0.7kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	сст	<i>☆</i>	lm	lm/W	Energy
	4W	Red	110°	96	24		
UL345CARGB	UL345CARGB Black	4.1W	Green	110°	161	39	Exempt
	4.3W	Blue	110°	51	12		

Wiring information

Cable / flying lead	1x 3m LED RGB 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	N/A (1 per power repeater)

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

Accessories

JB3	Waterproof junction box	Sold Separately	464
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422
ULBRACKET	2 piece black anodised aluminium bracket	Sold Separately	

Colour Change



RGB



Coastal protected



IP65 ideal for outdoor environments

Guarantee

5 years

Features & benefits

Surface mount in multiple applications

Compatible with a large range of controllers

Anodised aluminium for use in outdoor and indoor environments

Removable feet can be used anywhere along the base or sides. Allen key included





RGE



Coastal protected



IP65 ideal for outdoor environments

Guarantee

5 years

Features & benefits

Surface mount in multiple applications

Compatible with a large range of controllers

Anodised aluminium for use in outdoor and indoor environments

Removable feet can be used anywhere along the base or sides. Allen key included



UL346CARGB

25x6° colour change wall washing light bar (12W max.)

Features

IK rating	IP65
IP rating	IP65
RGB / RGBW	RGB
Tiltable	180°
Dimmable	Yes
Input	350mA
LED lifetime	50,000h L50
CRI	N/A
SDCM	N/A

Installation information

Bathroom zone	1
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	0.7kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	w	сст	\cap \cap \cap \cap \cap \cap \cap \cap	lm	lm/W	Energy
	4W	Red	25x6°	70	18		
UL346CARGB	UL346CARGB Black	4.1W	Green	25x6°	136	33	Exempt
	4.3W	Blue	25x6°	23	5		

Wiring information

Cable / flying lead	1x 3m LED RGB 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	N/A (1 per power repeater)

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

JB3	Waterproof junction box	Sold Separately	464
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422
ULBRACKET	2 piece black anodised aluminium bracket	Sold Separately	





UL347CARGB

45° colour change wall washing light bar (12W max.)

Features

IK rating	IP65
IP rating	IP65
RGB / RGBW	RGB
Tiltable	180°
Dimmable	Yes
Input	350mA
LED lifetime	50,000h L50
CRI	N/A
SDCM	N/A

Installation information

Bathroom zone	1
Construction material	Anodised aluminium
Suitable for coastal areas	Yes
Weight	0.7kg
Maximum ambient temperature	35°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	сст	<i>☆</i>	lm	lm/W	Energy
		4W	Red	45°	77	19	
UL347CARGB	Black	4.1W	Green	45°	285	70	Exempt
		4.3W	Blue	45°	51	12	

Wiring information

Cable / flying lead	1x 3m LED RGB 0.75mm² cable (outside diameter: 6mm)
Type of wiring required	N/A (1 per power repeater)

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

Accessories

JB3	Waterproof junction box	Sold Separately	464
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	422
ULBRACKET	2 piece black anodised aluminium bracket	Sold Separately	

Colour Change



RGB



Coastal protected



IP65 ideal for outdoor environments

Guarantee

5 years

Features & benefits

Surface mount in multiple applications

Compatible with a large range of controllers

Anodised aluminium for use in outdoor and indoor environments

Removable feet can be used anywhere along the base or sides. Allen key included





RGBW



Ideal for accent lighting with low wattage



IP20 ideal for living room and hallways

Guarantee

3 years

Features & benefits

Cut point every 100mm

Hard-wearing clear covering

Foil backed flexible PCB dissipates heat (improves LED life and colour

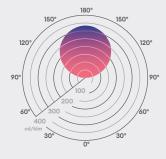
50 LEDs per mete in White and RGBW for an even spread of light

3M self-adhesive backing

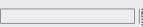
Supplied in customised lengths (0.1m up to 4.9m in 100mm increments) 5m reel also available

Compatible with a large range of

Beam angle: 120°



5m/100mm





LSR05

Colour change, self-adhesive flexible strip (15W max.)

Features

Strip type	Flexible tape
IP rating	IP20
RGB / RGBW	RGBW
Bespoke lengths	Yes
Self-adhesive backing	Yes
Dimmable	Driver dependent
LED/m	50
Input	24V DC
LED lifetime	50,000h
CRI	80 Ra
SDCM	N/A

Bathroom zone	N/A
Construction material	Flexible tape
Weight	20g per meter
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length (m)	W	ССТ	\text{\tin}\text{\tetx}\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\texi}\text{\texititt{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\texi}\tint{\text{\texi}\	lm	lm/W	Energy
	5W/m	White (2700K)	120°	350	70		
LSR0527050	5	3.9W/m	Red	120°	130	33	(B
L3R0327030	5	3W/m	Green	120°	270	90	Ġ W
		2.9W/m	Blue	120°	65	22	
	LSR0530050 5	5W/m	White (3000K)	120°	350	70	A G
1 500520050		3.9W/m	Red	120°	130	33	
L3R0530050		3W/m	Green	120°	270	90	Ġ
		2.9W/m	Blue	120°	65	22	
		5W/m	White (4000K)	120°	350	70	
LSR0540050 5	3.9W/m	Red	120°	130	33	6	
L3K0540050	40030	3W/m	Green	120°	270	90	6
		2.9W/m	Blue	120°	65	22	

Wiring information

Cable / flying lead	0.2m 5-core ribbon cable
Type of wiring required	Parallel

Control & LED drivers

See pages 424-425 for complete control and LED driver offer

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	132
CF505RGBW	5-core RGBW ribbon cable	Sold Separately	427



SPRGBW

RGBW Strip Kit

Features

Strip type	Flexible tape
IP rating	IP20
RGB / RGBW	RGBW
Bespoke lengths	No
Self-adhesive backing	Yes
Dimmable	Yes
LED/m	60
Input	220-240V 50/60Hz
LED lifetime	25,000h
CRI	80 Ra
SDCM	N/A

Installation information

Bathroom zone	N/A
Inrush current	75A 0.11ms
Construction material	Copper
Weight	19g per meter
Maximum ambient temperature	40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length (m)	W	сст	\chi	lm	lm/W	Energy
		4.8W/m	White (4000K)	120°	373	78	
SPRGBW	5	4.8W/m	Red	120°	110	25	A F
SPRGBW	5	4.8W/m	Green	120°	296	62	E P
		4.8W/m	Blue	120°	79	18	

Wiring information

Cable / flying lead	Supplied with a minimum of 250mm fly lead with connector from one end
Type of wiring required	Parallel

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	132
PDC/GRID DIMMER	Grid dimmer kit for multiple fitting types	Sold Separately	465
LED COVE PACK	Coving to house adhesive strip	Sold Separately	133
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	456

Colour Change



RGBW



Ideal for accent lighting with 4.8W/m



Ideal for kitchen and bathroom with IP44

Guarantee

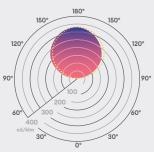
3 years

Features & benefits

Driver included 5m reel

Remote control included

Beam angle: 120°



5m/100mm

12mm

Our wiring and drivers selection will provide all the components required to install our products, providing both ease of installation and maintenance-free installations for many years to come. Offering both wiring and drivers for all Collingwood products, you will receive the same high-quality features and benefits as standard that are provided with our lights.

To complement our RGB and RGBW products, we also offer a range of control systems. Use them to create unique lighting zones which control separate areas with a handheld, wall mounted or smart device control (suitable for Android and iOS.) Also included in our extensive range of control devices is our range of dimmable power supplies, providing the ability to easily control the ambiance of individual zones. Available in 1-10V, DALI or mains dimming, installing Collingwood products as part of a home automation system could not be easier.



Drivers

The ideal driver for every installation

We offer a wide range of drivers, suitable for any environment that are ideal for all Collingwood Lighting products, so you can expect the highest levels of quality and durability throughout your installation.

IP ratings

IP ratings classify the degrees of protection provided against the intrusion of solid objects and water in electrical enclosures.



IP20

Perfect for use indoors and where there is no risk of water splashing the product.



IP44

Ideal for use indoors or outdoors, in bathrooms and other places where water may be sprayed onto the product.



IP67

Suited for use outdoors and near water, but cannot be permanently submerged.

PSIP drivers

We have redesigned our range of IP65 rated drivers that are used with our low voltage landscape products. 350mA and 700mA options are available and wattage range has been extended to allow for more fittings per driver. The drivers also now come with an increased warranty of five years.



Dimming options

As each installation is unique and has individual requirements, choose between mains, 1-10V or DALI dimming options.



If your product has an integrated mains dimmable driver, no separate driver is required. This is classed as a 'straight to mains' product.



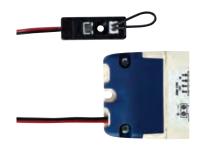
With a 1-10V system, all the LEDs connected to the dimmer will dim at an equal amount.



A DALI system can be structured in a way which allows LEDs to respond to certain rooms or zones. Each LED in the same zone will dim an equal amount.

Plug & play

Installing and connecting a driver is made much easier using plug and play. If you have a suitable product, use one of our plug and play drivers for straightforward installation.



Output classification options – constant current / constant voltage

Constant current LED drivers are designed to deliver a constant output current within a specified output voltage range. Such drives adjust the voltage throughout the circuit and keep the current on each LED constant.

Constant voltage LED drivers are designed to operate at a single, constant output voltage. The most commonly used constant voltage sources are 12 V and 24 V. The constant voltage LED driver takes the mains voltage (220 V AC) and converts it to DC, reducing it to the appropriate low voltage value for the LEDs. The drive will always remain at constant voltage, no matter how much current load. The maximum current that constant voltage drives can reach is determined by the design parameters and this value is written on the driver.

350mA

Use a 350mA driver when powering 350mA products.

700mA

Use a 700mA driver when powering 700mA products.

24V

Use a 24V driver when powering 24V products.

Making controlling colour easier

Use our easy to follow step-by-step colour change control guide on pages **420 - 427** and follow the guide to determine what you need for your installation.

Controllers

Offering a choice between hand held, wall mounted or app control, finding the perfect device for you couldn't be easier. Choose the ideal control for the number of zones that you want to manage. See **422 -423** about zones.



CCWALLRFW / CCWALLRFB

1-4 zones Wall mounted control



CCREMOTEB

1-4 zones Handheld control



App Store

CollingwoodRGBW App

1-8 zones Smart device app for Andriod & iOS



CCRFCONVWIFI

WiFi to RF converter

Drivers

Use the drivers to control your RGBW products, with various options available, RF, DMX or DALI all in 75W, 100W and 200W.







Constant current 75W drivers

Constant voltage 100W drivers

Constant voltage 200W drivers

RF drivers allow wireless control from a hand-held remote controller, a wall mounted touch panel or a phone app via the Wi-Fi converter. **DMX** driver allows for wired control of up to 128 different zones, and multiple drivers can be assigned to each zone to keep the lights perfectly in sync.

Use a **DALI** driver for integration with an existing DALI control system.

Power repeaters

A power repeater can be used to extend the capacity of a driver.



PR3011

Ideal for when using constant current products. With the ability to fit up to 100 of these to a driver, you can have as many as 600 luminaires per zone.



PR3002

Ideal solution for when using 24V products such as LED strip.

With the ability to fit up to 100 of these to a driver, you can have as much as 1000m of LED strip per zone.

Products per driver matrix

The table shows the minimum and maximum of each products that fits onto each driver.

Driver information	PS1524	PS3024B	PSMD3024	PS5024	PSDIP6024	PS7524	PSDIP10024	PSMDIP10024	LSD12024	PSIP15024	PSDAL20024	PSIP25024	PLR/3501-5	PLU/3501-9	PLU/PP/3501-9
Constant current or Constant voltage	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CC	CC	CC
Output classification	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	350mA	350mA	
IP rating	IP20	IP20	IP20	IP20	IP66	IP20	IP66	IP66	IP20	IP67	IP66	IP67	IP20	IP20	IP20
Dimmable	1-10V*	1-10V*	Mains	1-10V*	1-10V	1-10V*	1-10V	Mains	No	1-10V*	1-10V	1-10V*	No	No	No
DIN rail mount	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Plug & Play	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes

Architectural		
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ML03 Page 116	1.0	1-9 1-9
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LED LYTE IPT Page 119	1-5	1-9 1-9
LED LYTE Page 120	1-5	1-9 1-9

Strip													
LSV02 Page 140	3.1m	6.2m	3.8-6.2m	10.4m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSV05 Page 141	1.5m	3.1m	1.9-3.1m	5.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSV42 Page 142	3.1m	6.2m	3.8-6.2m	10.4m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSV45 Page 143	1.5m	3.1m	1.9-3.1m	5.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSC02 Page 144	3.1m	6.2m	3.8-6.2m	10.4m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSC04 Page 146	1m	2m	1.3-2m	3.4m	4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m	
LSC05 Page 145	1.5m	3.1m	1.9-3.1m	5.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSC06 Page 147	0.8m	1.7m	1.1-1.7m	2.9m	3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m	
LSC82 Page 148	3.1m	6.2m	3.8-6.2m	10.4m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSC84 Page 150	1m	2m	1.3-2m	3.4m	4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m	
.SC85 Page 149	1.5m	3.1m	1.9-3.1m	5.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
_SC86 Page 151	0.8m	1.7m	1.1-1.7m	2.9m	3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m	
LSNS73 Page 154	2.3m	4.6m	2.8-4.6m	7.6m	9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m	
LSNS75 Page 155	1.5m	3.1m	1.9-3.1m	5.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSNT73 Page 156	2.3m	4.6m	2.8-4.6m	7.6m	9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m	
LSNT75 Page 157	1.5m	3.1m	1.9-3.1m	5.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
L SFA07 Page 153	1.8m	3.7m	2.3-3.7m	6.2m	7.5m	9.3m	12.5m	12.5m	15m	18.7m	25m	31.2m	
LSP2250XX Page 152	1m	2.1m	1.3-2.1m	3.5m	4.2m	5.3m	7.1m	7.1m	8.5m	10.7m	14.2m	17.8m	

PSMD35039	PLD UNI-DRIVE 350MA	PSDAL350M	PSDIM350	PSMD3501324	PSIP35009W	PSIP35018W	PLDM70011	PSMD70024	PLDCC/70012-24	PLU/700 3-9	PSMD700610	PLD UNI-DRIVE 700MA	PSDAL700M	PSDIM700	PSIP70018W	PSIP70036W	PSDAL900M	PSDIM900	PSDIM180
СС	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
350mA	350mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA	180mA
IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20
Mains	1-10V	DALI or 1-10V	1-10V	Mains	No	No	Mains	Mains	No	No	Mains	1-10V	DALI or 1-10V	1-10V	No	No	DALI	1-10V	Mains
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes

*Requires a PDCINT1-10V interface to make it 1 - 10V dimmable

2-4	1-5	1-9	1-9	7-12	1-4	5-8
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3-9	1-10	1-18	1-18	13-24	1-8	9-17
3-9	1-10	1-18	1-18	13-24	1-8	9-17
3-9	1-10	1-18	1-18	13-24	1-8	9-17
3-9	1-10	1-18	1-18	13-24	1-8	9-17
3-9	1-10	1-18	1-18	13-24	1-8	9-17
3-9	1-10	1-18	1-18	13-24	1-8	9-17

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Products per driver matrix

The table shows the minimum and maximum of each products that fits onto each driver.

	PS1524	PS3024B	PSMD3024	PS5024	PSDIP6024	PS7524	PSDIP10024	PSMDIP10024	LSD12024	PSIP15024	PSDAL20024	PSIP25024	PLR/3501-5	PLU/3501-9	PLU/PP/3501-9
Driver information															
Constant current or Constant voltage	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CC	CC	CC
Output classification	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	350mA	350mA	350mA
IP rating	IP20	IP20	IP20	IP20	IP66	IP20	IP66	IP66	IP20	IP67	IP66	IP67	IP20	IP20	IP20
Dimmable	1-10V*	1-10V*	Mains	1-10V*	1-10V	1-10V*	1-10V	Mains	No	1-10V*	1-10V	1-10V*	No	No	No
DIN rail mount	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Plug & Play	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes

Landscape															
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PSMD35039	PLD UNI-DRIVE 350MA	PSDAL350M	PSDIM350	PSMD3501324	PSIP35009W	PSIP35018W	PLDM70011	PSMD70024	PLDCC/700 12-24	PLU/700 3-9	PSMD700610	PLD UNI-DRIVE 700MA	PSDAL700M	PSDIM700	PSIP70018W	PSIP70036W	PSDAL900M	PSDIM900	PSDIM180
CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC	CC
350mA	350mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA	180mA
IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20
Mains	1-10V	DALI or 1-10V	1-10V	Mains	No	No	Mains	Mains	No	No	Mains	1-10V	DALI or 1-10V	1-10V	No	No	DALI	1-10V	Mains
No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Yes

*Requires a PDCINT1-10V interface to make it 1 - 10V dimmable

3-9	1-10	1-18	1-18	13-24	1-8	9-17	2	4	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
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3-9	1-10	1-18	1-18	13-24	1-8	9-17	2	4	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
3-9	1-10	1-18	1-18	13-24	1-8	9-17									• • • • • • • • • • • • • • • • • • • •		
3-9	1-10	1-18	1-18	13-24	1-8	9-17	2	4	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
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3-9	1-10	1-18	1-18	13-24	1-8	9-17	2	4	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
3-9	1-10	1-18	1-18	13-24	1-8	9-17	2	4	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
3-9	1-10	1-18	1-18	13-24	1-8	9-17							•		•		
3-9	1-10	1-18	1-18	13-24	1-8	9-17											
3-9	1-10	1-18	1-18	13-24	1-8	9-17		· · · · · · · · · · · · · · · · · · ·	············		•		•		•		
3-9	1-10	1-18	1-18	13-24	1-8	9-17	2	4	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
3-9	1-10	1-18	1-18	13-24	1-8	9-17		······			•				•		
3-9	1-10	1-18	1-18	13-24	1-8	9-17		· · · · · · · · · · · · · · · · · · ·	······································		•				•		
2-4	1-8	1-12	1-12	6-11	1-4	5-8	1-	2	1-3	1-4	3-5	1-7	1-11	1-11	1-3	4-7	
2-4	1-8	1-12	1-12	6-11	1-4	5-8	······		······································				•••••		•		<u>-</u>
1-3	1-3	1-6	1-6	5-8	1-2	3-5	······		······································		• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •		•		
1-3	1-3	1-6	1-6	5-8	1-2	3-5					•				•		
1-2	1-2	1-4	1-4	4-6	1-2	3-4		· · · · · · · · · · · · · · · · · · ·	······································		•		•		•		
3-9	1-10	1-18	1-18	13-24	1-8	9-17	······	· · · · · · · · · · · · · · · · · · ·	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
			•		•		2	4	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
2-4	1-8	1-12	1-12	6-11	1-4	5-8	1-	· · · · · · · · · · · · · · · · · · ·	1-3	1-4	3-5	1-7	1-11	1-11	1-3	4-7	
			• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •			······	1-2	1-3	2-3	1-3	1-6	1-6	1-2	3-5	
3-9	1-10	1-18	1-18	13-24	1-8	9-17	······	······	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
3-9	1-10	1-18	1-18	13-24	1-8	9-17	······	· · · · · · · · · · · · · · · · · · ·	1-6	3-9	6-10	1-10	1-18	1-18	1-8	9-17	
2-4	1-8	1-12	1-12	6-11	1-4	5-8	1-	2	1-3	1-4	3-5	1-7	1-11	1-11	1-3	4-7	
1-2	1-4	1-6	1-6	3-5	1-2	3-4	······		1-1	1-2	2-2	1-3	1-5	1-5	1-1	2-3	
1-2	1-4	1-6	1-6	3-5	1-2	3-4	1		1-1	1-2	2-2	1-3	1-5	1-5	1-1	2-3	
2-4	1-8	1-12	1-12	6-11	1-4	5-8	1-	2	1-3	1-4	3-5	1-7	1-11	1-11	1-3	4-7	

Products per driver matrix

Choose the right power repeater and driver

Colour change

For all constant current products you will need the PR3011 and for all constant voltage products you will need the PR3002.

Once you know how many products will be installed in your zone use the relevant tables to work out how many power repeaters you will need and which driver to power them.



LSR05 - Bespoke lengths available		
Up to 2m per PR3002	50W	PS5024
Up to 5m per PR3002	120W	LSD12024
Up to 10m per PR3002	150W	PSIP15024

Power repeater comparison

Choose the right power repeater and driver

	Constant current / Constant Voltage	Rated wattage	Input current	Input voltage	Output current	Output voltage	Ambient temperature (TA=°C)	Case temperature (TC=°C)	Control	
PR3011	Constant current	4 x 8.4W max.	1.6A max.	24V DC	4 x 350mA	4 x 24V max.	40°C	70°C	C100924 / DMX2102	
PR3002	Constant voltage	39W channel max.	6.5A max.	24V DC	4 x 1.6A	4 x 24V	40°C	70°C	C100924 / DMX2102	

Dimming interface

Choose the right dimming interface

	Type of interface	Rated wattage	Input current	Input voltage	Output current	Output voltage	Powerfactor	Ambient temperatur (TA=°C)	Case temperature (TC=°C)	Control	Double insulation	Efficiency	IP rating	
PDCINT1-10V	1-10V for 24V drivers	288W	12A max.	24V DC	12A max.	24V DC	-25°C to 40°C	-25°C to 40°C	70°C	1-10V & DALI dimming		99%	IP20	

The products will be powered by power repeaters that require a 24V driver. The table below shows which driver is needed for the number of power repeaters being used.

Products per PR3011	
DL329RGBW	6
GL008RGBW	1
GL016RGBW	6
GL040CARGB	6
GL050RGBW	6
GL090RGBW	2
LL030CARGB	6

Products per PR3011	
Product code	Max. per PR3011
LL090RGBW	2
UL010RGBW	6
UL030RGBW	2
UL345CARGB	1
UL346CARGB	1
UL347CARGB	1
WL070RGBW	1

PR3011's per driver		
Number of PR3011's		
1	50W	PS5024
2 - 3	120W	LSD12024
4 - 5	150W	PSIP15024

IP rating	Loop in / loop out	Din rail mount	Protection	Dimensions	Weight	Connections	Accessories	Warranty
IP20	Yes		Short circuit & overheating	H: 28.5mm L: 170mm W: 58mm	165g	Screw terminals < 2.5mm² cable		5 year guarantee
IP20	Yes		Short circuit & overheating	H: 28.5mm L: 170mm W: 58mm	165g	Screw terminals < 2.5mm² cable		5 year guarantee

Inrush current	Loop in / loop out	Din rail mount	Protection	SELV	Dimensions	Weight	Connection output	Input cable	Output cable	Accessories	Warranty
					H: 28mm L: 138mm W: 40mm	80g	Terminals	4mm² max.	4mm² max.	PDC/GRID DIMMER Grid dimmer kit	l year guarantee

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Driver comparison

For full driver specifications visit our website **collingwoodlighting.com**

	Rated wattage (Output)	Output voltage	Output current	Input wattage (Maximum)	Input voltage	Input current (Maximum)	Inrush current	Powerfactor	Ambient temperature (TA=°C)	Control	Double insulation	Efficiency	IP rating	Plug & Play	
EUP30T1HMC0	30W	3-40V DC	750mA	30W	220- 240VAC, 50-60Hz	0.17A	15A	0.9	-20°C to +50°C	Mains		87%	IP20	Yes	
LSD12024	120W	24V DC	5A max	120W	220- 240VAC, 50-60Hz	0.64A	36A 0.183ms	>0.9	-15°C to +45°C	Non- dimmable	Yes	90%	IP20	No	
PLD UNI-DRIVE 350MA	N/A	2-46V	350mA	18W	110-240V AC	0.14A	5A 0.05ms	0.98	-25°C to 50°C	1-10∨	Yes	80%	IP20		
PLD UNI-DRIVE 700MA	N/A	2-36V	700mA	30W	110-240V AC	0.14A	5A 0.05ms	0.98	-25°C to 50°C	1-10∨	Yes	80%	IP20		
PLDCC/700 12-24	N/A	2-22V	700mA		10-28V DC				40°C Max	Non- dimmable		70%	IP20		
PLDM70011	N/A	12V	700mA	12W	220- 240V AC	0.05A	15A 0.5ms	>0.95	-25°C to 40°C	Mains	Yes	>80%	IP20	Yes	
PLU/350 1-9	N/A	3-27V	350mA	25W	220- 240V AC	0.14A	25.5A 0.6ms	0.55	40°C Max	Non- dimmable	Yes	80%	IP40		
PLU/700 3-9	N/A	6-30V	700mA	32W	220- 240V AC	0.10A	14.9A 0.6ms	0.85	40°C Max	Non- dimmable	Yes	80%	IP20		
PLU/PP/350 1-9	N/A	3-27V	350mA	25W	220- 240V AC	0.14A	25.5A 0.6ms	0.55	40°C Max	Non- dimmable	Yes	80%	IP40	Yes	
PS1524	15W	24V DC	0.625A max.	18W	220- 240V AC	0.08A	28A 0.02ms	>0.5	45°C Max	Dimmable with PDCINT1-10V	Yes	>84%	IP20		
PS3024B	30W	24V DC	1.25A max	36W	220- 240V AC	0.24A	20A 0.78ms	>0.9	-20°C to +45°C	Dimmable with PDCINT1-10V	Yes	>80%	IP20		
PS5024	50W	24V DC	2A max.	59W	220- 240V AC	0.27A	70A 0.4ms	>0.9	-25°C to +45°C	Dimmable with PDCINT1-10V	Yes	>85%	IP20		
PS250600MA	25W	14-42V	250mA - 600mA	29W	220- 240VAC, 50-60Hz	0.18A	40A 0.35ms	>0.95	-20°C to +45°C	DALI, 0-10V, PUSH DIM	Yes	85%	IP20	No	
PS6501100MA	46W	14-42V	650mA - 1100mA	53W	220- 240VAC, 50-60Hz	0.3A	40A 0.35ms	>0.95	-20°C to +45°C	DALI, 0-10V, PUSH DIM	Yes	87%	IP20	No	

Loop in / loop out	Din rail mount	Protection	SELV	Dimensions	Weight	Connection output	Input cable	Output cable	Accessories	Warranty
			Yes	H: 42.5mm L: 185mm W: 28.5mm	150g	Terminals	0.75- 2.5mm²	0.75- 2.5mm²	LEDEP10 Emergency converter, Self-test, maintained	3 Years
No		Mains Surge, Short / Open Circuit	SELV	H: 30mm L: 300mm W: 40mm	425g	Terminals	0.75 - 1.5mm2	0.75 - 1.5mm2		5 years
		Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.	PDC/GRID DIMMER Grid Dimmer Kit	5 years
		Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.	PDC/GRID DIMMER Grid Dimmer Kit	5 years
			N/A	H: 18mm L: 50mm W: 32mm	30g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.		1 Year Warranty
		Open circuit & short circuit	Yes	H: 28mm L: 78mm W: 50mm	70g	Plug & Play	0.15m, 0.75mm² 2-core cable	AWG24 with plug & play connector		7 years
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm	80g	Terminals	1.5mm² max.	1.5mm² max.	IX 265 PLU weatherproof housing	1 Year Warranty
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 138mm W: 40mm	126.8g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.		1 Year Warranty
Yes		Short circuit, overload & overheating	Yes	H: 28mm L: 111mm W: 48mm	104g	Terminals	1.5mm² max.	1.5mm² max.	LED LYTE 1M EXT Im plug & play extension lead LED LYTE 6 WAY EXT 6-way plug & play extension lead	1 Year Warranty
		Short circuit, overload & overheating	Yes	H: 19mm L: 103mm W: 35.5mm	80g	Terminals	0.5-1.5mm² max.	0.5-1.5mm²	PDC/GRID DIMMER Grid dimmer kit PDCINT1-10V Dimming interface	3 Years
		Short circuit, overload & overheating	Yes	H: 30mm L: 143mm W: 45mm	146g	Terminals	0.5-1.5mm² max.	0.5-1.5mm²	PDC/GRID DIMMER Grid dimmer kit PDCINT1-10V Dimming interface	3 Years
		Short circuit, overload & overheating	Yes	H: 18mm L: 160mm W: 58mm	270g	Terminals	0.5-1.5mm² max.	0.5-1.5mm²	PDC/GRID DIMMER Grid dimmer kit PDCINT1-10V Dimming interface	3 Years
No		Over Voltage, Short Circuit, Thermal	Yes	H: 30mm L: 125mm W: 76mm	190g	DC Plug and Play Connector	0.75 - 1.5mm2	0.5 - 1.5mm2		5 years
No		Over Voltage, Short Circuit, Thermal	Yes	H: 30mm L: 125mm W: 76mm	190g	DC Plug and Play Connector	0.75 - 1.5mm2	0.5 - 1.5mm2		5 years

Driver comparison

For full driver specifications visit our website **collingwoodlighting.com**

	Rated wattage (Output)	Output voltage	Output current	Input wattage (Maximum)	Input voltage	Input current (Maximum)	Inrush current	Power factor	Ambient temperature (TA=°C)	Control	Double insulation	Efficiency	IP rating	Plug & Play	
PS7524	75W	24V DC	3.13A max.	90W	200- 240V AC	0.4A	75A 0.11ms	>0.9	-20°C to +45°C	Dimmable with PDCINT1-10V	Yes	85%	IP20		
PSDAL20024	200W	24V DC	8.33A max.	240W	220- 240V AC	1.4A	56A 640µs	>0.98	-25°C to +50°C	DALI	Yes	>85%	IP66		
PSDAL350M	N/A	2-74V	350mA	30W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to +50°C	1-10V & DALI	Yes	90%	IP20		
PSDAL700M	N/A	2-71V	700mA	56W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to +50°C	1-10V & DALI	Yes	90%	IP20		
PSDAL900M	N/A	2-55V	900mA	56W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to +50°C	1-10V & DALI	Yes	>80%	IP20		
PSDIM180	N/A		180mA	8.5W	220- 240V AC	0.038A	20A 0.4ms	0.9	-25°C to +50°C	Mains	Yes	74%	IP20	Yes	
PSDIM350	N/A	2-74V	350mA	30W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to +50°C	1-10V	Yes	>80%	IP20		
PSDIM700	N/A	2 - 71V	700mA	56W	110-240V AC	0.25A	20A 0.4ms	0.95	-25°C to +50°C	1-10V	Yes	80%	IP20		
PSDIM900	N/A	2-55V	900mA	56W	110-240V AC	0.25A	20A 0.4ms	>0.95	-25°C to +50°C	1-10V	Yes	>80%	IP20		
PSDIP10024	100W	24V DC	4.15A max.	120W	220- 240V AC	0.546A	45A 0.7ms	>0.98	40°C Max	0-10V	Yes	>80%	IP66		
PSDIP6024	60W	24V DC	2.5A max.	71W	220- 240V AC	0.35A	10A 0.4ms	>0.9	-25°C to +45°C	0-10V	Yes	>85%	IP66		
PSIP15024	150W	24V DC	6.3A max.	178W	220- 240V AC	0.80A	45A 1ms	>0.95	50°C Max	Dimmable with PDCINT1-10V	Yes	>85%	IP67		
PSIP25024	250W	24V DC	10.4A max.	285W	220- 240V AC	1.6A	30A 0.2ms	0.96	50°C Max	Dimmable with PDCINT1-10V	Yes	84%	IP67		
PSIP35018W	18W	25 - 50V	350mA	20W	220- 240V AC	0.1A	13A 0.1ms	>0.9	50°C Max	Non- dimmable	Yes	83%	IP65		

Loop in / loop out	Din rail mount	Protection	SELV	Dimensions	Weight	Connection output	Input cable	Output cable	Accessories	Warranty
		Short circuit, overload, overheating & over voltage	Yes	H: 28.2mm L: 170mm W: 44.5mm	221g	Terminals	0.5-1.5mm² max.	0.5-1.5mm²		3 Years
		Short circuit, overload & overheating	Yes	H: 53mm L: 255mm W: 80mm	1800g	Flying Lead	Mains: 0.25m, 1mm ² 3-core cable Ø: 7.5mm DALI: 0.25m, 0.75mm ² 2-core cable Ø: 7mm	0.25m, 1.5mm² 2-core cable Ø 9mm		3 Years
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.		5 years
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	PDC/GRID DIMMER Grid dimmer kit	5 years
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	PDC/GRID DIMMER Grid dimmer kit	7 years
Yes		Open / Short Circuit - Power Cycle Reset	Yes	H: 30mm L: 118mm W: 46mm	103g	Plug & Play		H03VVH2-F with connector		3 Years
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	PDC/GRID DIMMER Grid dimmer kit	5 years
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	PDC/GRID DIMMER Grid dimmer kit	7 years
		Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.	PDC/GRID DIMMER Grid dimmer kit	7 years
		Short circuit, overload & overheating	Yes	H: 44mm L: 230mm W: 68mm	1200g	Flying Lead	Mains: 0.25m, 1mm² 3-core cable Ø: 7.5mm 1-10V: 0.25m, 0.75mm² 2-core cable Ø: 6.5mm	0.25m, 1.5mm² 2-core cable Ø: 7mm	PDC/GRID DIMMER Grid dimmer kit	3 Years
		Short circuit, overload & overheating	Yes	H: 46mm L: 200mm W: 70mm	1100g	Flying Lead	Mains: 0.25m, 1mm ² 3-core cable Ø: 7.5mm 1-10V: 0.25m, 0.75mm ² 2-core cable Ø: 6.5mm	0.25m, 1mm² 2-core cable Ø: 7mm	PDC/GRID DIMMER Grid dimmer kit	3 Years
		Short circuit, overload & overheating	Yes	H: 37mm L: 190mm W: 62mm	1200g	Flying Lead	0.25m, 1mm² 3-core cable Ø: 7.5mm	0.25m, 1mm² 2-core cable Ø 8mm	PDC/GRID DIMMER Grid dimmer kit PDCINT1-10V Dimming interface	3 Years
		Short circuit, overload & over current	Yes	H: 36mm L: 220mm W: 62mm	875g	Flying Lead	0.25m, 1mm² 3-core cable Ø: 7.5mm	0.25m, 2mm² 2-core cable Ø: 9mm	PDC/GRID DIMMER Grid dimmer kit PDCINT1-10V Dimming interface	3 Years
		Short circuit, overload & overheating	Yes	H: 25mm L: 180mm W: 42mm	200g	Flying Lead	0.2m, 1mm² 2-core cable Ø: 7mm	0.2m, 1mm² 2-core cable Ø: 7mm		5 years

Driver comparison

For full driver specifications visit our website **collingwoodlighting.com**

	Rated wattage (Output)	Output voltage	Output current	Input wattage (Maximum)	Input voltage	Input current (Maximum)	Inrush current	Powerfactor	Ambient temperature (TA=°C)	Control	Double insulation	Efficiency	IP rating	Plug & Play	
PSIP3509W	9W	2.5 - 25V	350mA	11W	220- 240V AC	0.05A	8A 0.1ms	>0.9	50°C Max	Non- dimmable	Yes	82%	IP65		
PSIP70018W	18W	2.5 - 25V	700mA	20W	220- 240V AC	0.1A	12A 0.1ms	>0.9	50°C Max	Non- dimmable	Yes	83%	IP65		
PSIP70036W	36W	25 - 50V	700mA	40W	220- 240V AC	0.18A	18A 0.1ms	>0.9	50°C Max	Non- dimmable	Yes	85%	IP65		
PSMD3024	30W	24V DC	1.25A	30W	180- 240V AC	0.18A	3A 0.08ms	>0.95	50°C Max	Mains	Yes	>83%	IP20		
PSMD3501324	24W	34-68.5V	350mA	30W	220- 240V AC	0.12A	20A 0.13ms	0.95	50°C Max	Mains	Yes	80% min.	IP20		
PSMD35039	10W	8-28V	350mA	13W	220- 240V AC	0.06A	33A 0.15ms	>0.9	40°C Max	Mains	Yes	75% min.	IP20		
PSMD70024	10W	4-14V	700mA	13W	220- 240V AC	0.06A	31A 0.12ms	0.9	40°C Max	Mains	Yes	75% min.	IP20		
PSMD700610	24W	17-37V	700mA	30W	220- 240V AC	0.12A	28A 0.16ms	0.95		Mains	Yes	80% min.	IP20		
PSMDIP10024	100W	24V DC	4.17A max.	120W	180-264V AC	0.8A	30A 0.2ms	0.6		Mains	Yes	85% with max load	IP66		

Loop in / loop out	Din rail mount	Protection	SELV	Dimensions	Weight	Connection output	Input cable	Output cable	Accessories	Warranty
		Short circuit, overload & overheating	Yes	H: 24mm L: 160mm W: 38mm	200g	Flying Lead	0.2m, 1mm² 2-core cable Ø: 7mm	0.2m, 1mm² 2-core cable Ø: 7mm		5 years
		Short circuit, overload & overheating	Yes	H: 24mm L: 160mm W: 38mm	200g	Flying Lead	0.2m, 1mm² 2-core cable Ø: 7mm	0.2m, 1mm² 2-core cable Ø: 7mm		5 years
		Short circuit, overload & overheating	Yes	H: 25mm L: 180mm W: 42mm	250g	Flying Lead	0.2m, 1mm² 2-core cable Ø: 7mm	0.2m, 1mm² 2-core cable Ø: 7mm		5 years
		Short circuit, overload & overheating	Yes	H: 45mm L: 185mm W: 65mm	450g	Terminals	0.75-4.0mm² max.	0.5-4.0mm² max.		3 Years
		Short circuit, overload & overheating	Yes	H: 22mm L: 155mm W: 35mm	124g	Terminals	0.5-1.5mm²	0.5-1.5mm²		5 years
		Short circuit, overload & overheating	Yes	H: 19.2mm L: 123mm W: 44.6mm	83g	Terminals	0.5-1.5mm²	0.5-1.5mm²		5 years
		Short circuit, overload & over current	Yes	H: 19.2mm L: 78mm W: 50mm	83g	Terminals	0.5-1.5mm²	0.5-1.5mm²		5 years
		Short circuit, overload & over current	Yes	H: 22mm L: 155mm W: 35mm	124g	Terminals	0.5-1.5mm²	0.5-1.5mm²		5 years
		Short circuit, overload & over current	Yes	H: 43mm L: 230mm W: 70mm	1300g	Flying Lead	0.25m, 1mm² 3-core cable Ø: 7.5mm	0.25m, 1mm² 2-core cable Ø: 7mm		1 Year Warranty

Maximum cable lengths

Use the tables below for the maximum cable length

The lengths below are guidelines which cover most installations. If an installation requires a longer cable length, it may be possible but a calculation will be needed to confirm it. Please contact our technical support team for further information.

All wiring must comply with national wiring regulations

Constant current drivers

Cable length in metres is from the driver to the last LED unit. The number of LED's units wired to the driver does not affect the cable length.

Driver	0.2mm²	0.35mm²	0.5mm²	0.75mm²	1mm²	1.5mm²	2.5mm²
350mA drivers	50m	80m	100m	150m	200m	300m	500m
700mA drivers	25m	40m	50m	75m	100m	150m	250m

Maximum length for a 350mA driver using 1.5mm² cable is 300 metres of 2 core cable using one core for feed and the second core for return.

Single colour 24V DC LED strip (LSV, LSC, Neon, COF)

Recommended maximum cable length from power supply to **start** of strip.

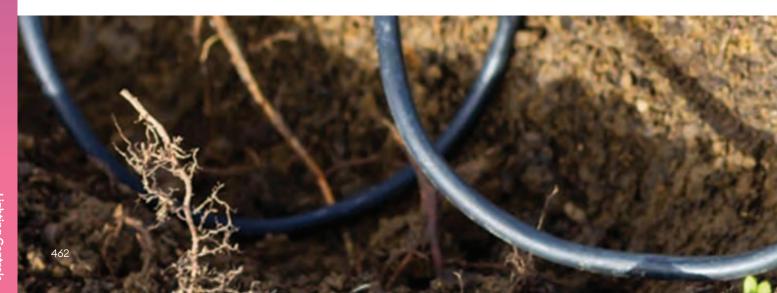
Driver	0.5mm²	0.75mm²	1mm²	1.5mm ²	2.5mm²
4.8W/m	20m	30m	40m	60m	100m
6.5W/m	16m	25m	32m	50m	80m
8W/m	13m	20m	26m	40m	65m
9.6W/m	10m	15m	20m	30m	50m
14.4W/m	7m	10 m	15m	20m	35m
17W/m	6m	9m	12m	18m	30m

Above figures are for a 5m strip length. For a 2.5m strip length, for example, the maximum cable length is x 2.

RGBW products

Maximum cable lengths from power repeater to product.

Power repeater	0.5mm²	0.75mm²	1mm²	1.5mm²	2.5mm²
PR3002	50m	75m	100m	150m	250m
PR3011	50m	75m	100m	150m	250m



SL250 6W 24V DC drivers

Cable length is from the driver to the last LED unit.

Max product per driver	0.5mm²	0.75mm²	1mm²	1.5mm²	2.5mm²
Up to 4 - SL250	25m	40m	60m	80m	120m
Up to 10 - SL250	10m	15m	20m	30m	50m

GL018 0.5W 24V DC drivers

Cable length is from the driver to the last LED unit.

Max product per driver	0.5mm²	0.75mm²	1mm²	1.5mm²	2.5mm²
Up to 10 - GL018	100m	180m	220m	360m	550m
Up to 20 - GL018	50m	90m	110m	180m	225m
Up to 30 - GL018	35m	60m	70m	120m	180m
Up to 40 - GL018	25m	40m	50m	80m	130m



Accessories

For accessories specific to product ranges visit the relevant sections.

JB1 (Parallel)

Waterproof junction box



Key features	
Max. voltage	30V DC
Max. current	5A
Max. conductor size	1mm ²
Cable diameter	5 - 6.5mm ²
IP rating	IP68 (2m)
Wiring	Parallel
Inputs	1
Outputs	1-3

Use in conjunction with

GL018



JB3

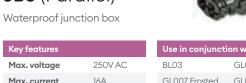
Waterproof junction box

Key features	
Max. voltage	400VAC
Max. current	30A
Max. conductor size	4mm²
Cable diameter	3 - 12mm²
IP rating	IP66
Wiring	Parallel
Inputs	1
Outputs	1 - 7

Use in conjunction with						
GL007RGBW	GL016RGBW					
GL040CARGB	GL050RGBW					
GL090RGBW	UL010RGBW					
UL030RGBW	UL345CARGB					
UL346CARGB	UL347CARGB					

WL021CARGB

JB5 (Parallel)



Key features	
Max. voltage	250V AC
Max. current	16A
Max. conductor size	1.5mm ²
Cable diameter	6.5 - 12mm²
IP rating	IP68 (1.3m)
Wiring	Parallel
Inputs	1
Outputs	1-3

Use in conjunction with		
BL03	GL07	
GL007 Frosted	GL08	
GL09	GL018	
GL034	GL038	
GL200	SL220 Mains	
WL339	WL340	
WL341	WL342	

JB7

Cable diameter

IP rating

Wiring

Inputs Outputs



7 - 10.5mm²

IP68 (1.3m)

Parallel

UL030RGBW

UL346CARGB

WL021CARGB

UL345CARGB

UL347CARGB

JB2 (Series)



Key features	
Max. voltage	48V DC
Max. current	700mA
Max. conductor size	1mm ²
Cable diameter	5 - 6.5mm ²
IP rating	IP68 (2m)
Wiring	Series
Inputs	1
Outputs	1-3

Use in conjunction with		
BL01	GL016	GL019
GL021	GL022	GL040
GL041	GL050	GL051
GL063	GL064	GL090
UL010	UL030	SL030
SL130	SL040	SL220
GL100		

JB4 (Series)

Waterproof junction box



Key features	
Max. voltage	120V DC
Max. current	700mA
Max. conductor size	1.5mm ²
Cable diameter	3 - 12mm²
IP rating	IP66
Wiring	Parallel
Inputs	1
Outputs	1 - 7

Use in conjunction with		
BL01	GL016	GL019
GL021	GL022	GL040
GL041	GL050	GL051
GL063	GL064	GL090
UL010	UL030	SL030
SL130	SL040	SL220
GL100		

JB5 (Parallel)

Waterproof junction box



w	
Key features	
Max. voltage	250V AC
Max. current	6A
Max. conductor size	0.75mm ²
Cable diameter	4.8 - 6mm²
IP rating	IP68 (1.3m)
Wiring	Inline
Inputs	1
Outputs	1

Use in conjunction with

WCR 275 BLACK Ideal for extending cable when it's not long enough

WC 5-9

Quick release waterproof connector



Key features (RGBW only)		
Max. voltage	250 AC / 50 DC	
Max. current	10A	
Max. conductor size	4mm²	
Cable diameter	5 - 9mm²	
IP rating	IP68 (1.3m)	
Wiring	Inline	
Inputs	1	
Outputs	1	

Use in conjunction with		
GL07		
GL08		
GL034		
SL220		
WL340		
WL342		

WCR 275 Black



2-core rubber cable

Key features	
Cable	H05RN-F2x 0.75mm ²
Material	Copper cable, rubber outer
Length	100m reel
Indoor / outdoor	Suitable for permanent outdoor use

Use in conjunction with		
JB1	JB2	
JB4	JB6	

WCR 375 Black



3-core rubber cable

Key features	
Cable	H05RN-F3 x 0.75mm ²
Material	Copper cable, rubber outer
Length	100m reel
Indoor / outdoor	Suitable for permanent outdoor use

Use in conjunction with		
JB1	JB5	
WC 5-9		

DMX RS 485 Cable



3-core shielded cable

Key features	
Cable	DMX RS 485 Cable
Material	Copper cable, rubber outer
Length	100m reel or by the metre
Indoor / outdoor	Indoor only

Use in conjunction with	
DMX2102	

CR135



PTFE cable

Key features	
Cable	Red or black 0.2052 PTFE
Material	PTFE
Length	100m reel

Use in conjunction with	
MC010	MC020
MF02 IP	ML01
ML02	ML03
MS02 IP	OCTOLED
LIV2 CONNECTOR	

UY2 Connector



Quick waterproof connector

Key features	
IP rating	IP65
Wiring	Series
Waterproof type	Gel
Material	Plastic

Use in conjunction with		
MF02 IP	ML01	ML02
ML03	ML010	ML020
MS02 IP	OCTOLED	

PDC/Grid Dimmer



Grid dimmer kit for multiple fitting types Requires 2-core screen cable

Constant voltage	
Dimming	1 - 10V
Min. load	1 driver
Max. load	1 - 7 drivers

Use in conjunction with	
PS5024*	PS7524
PSIP25024	PS1524
PSDIP10024	PS3024B*
*Must be used with PDCINT1-10V	

Constant current	
Dimming	1 - 10V
Min. load	1 driver
Max. load	1 - 7 drivers

Use in conjunction with	
PSDAL350M	PSDAL700M
PSDIM350	PSDIM700
PSDIM900	PSDAL900M
PLD UNI-DRIVE 350MA	
PLD UNI-DRIVE 700MA	

SLR / ELR Overview

Single Lighting and Energy Labelling Regulations

The Single Lighting Regulation (SLR) came into effect on the 1st September 2021, across Europe and includes the UK. The Energy Labelling Regulation (ELR) is also came into effect at the same time, which means that, amongst other things, the label has been rescalled from A^{**} - E to A - G. What was an A^{**} - Class is now an E class!

The SLR regulations are aimed at improving product performance across the lighting industry, including all types of lighting technology. Energy efficiency requirements mean that Compact Fluorescent Lamps (CFLs) and T8 fluorescent lamps are banned. LED lighting technology is the main option to ensuring compliance with these requirements.

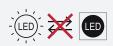
In addition to the product performance requirements, the regulations also encourage elements of the circular economy concept. Light sources and control gears must be produced so that they can be easily removed and replaced with commonly available tools, unless there is a technical justification why this cannot happen (e.g. IP rating).

Collingwood ground lights, would be an example of a product that meets the technical justification. The IP rating required for these fittings means that they are sealed for life and that replacement of the light source would not be acceptable to maintain product performance.

We have designed our products to ensure conformance with these regulations, whilst not compromising on performance, lifetime or warranty.

Please contact us should you have any questions regarding a specific product.

Industry standard pictograms



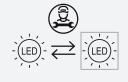
Non-replaceable light source



Non-replaceable control gear



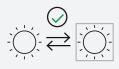
Replaceable light source by a professional



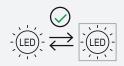
Replaceable (LED only) light source by a professional



Replaceable control gear by a professional



Replaceable light source by an end-user



Replaceable (LED only) light source by an end-user



Replaceable control gear by an end-user

Driving performance

Optimise performance with Collingwood drivers



Enhance the performance of Collingwood luminaires by combining them with our carefully selected drivers

At Collingwood Lighting, high quality performance is at the core of everything we do. We strive for perfection and customer peace of mind not only at each stage of the installation process, but for the future lifetime of the products.

Each of our LED lights is built with this in mind; our team of engineers spend countless hours researching and testing each one to ensure optimum performance and lifetime with a minimal failure rate. Not only are they built to make indoor and outdoor installations look incredible, but each component is rigorously engineered and tested to create a robust, quality product.

This ethos extends to our range of drivers. Our drivers are chosen based on their ability to enhance the individual fitting. Each one has undergone a stringent testing process to ensure optimum performance when used in combination with it's light fitting counterparts.

When selecting lights for a project, Collingwood LED lights are chosen for their superior quality and reliable lifetime

To ensure they meet their full potential, **choose a Collingwood driver** that's been hand-selected to boost each product.

Refer to each individual product page for a list of compatible drivers or see the driver section for a full matrix of each driver and it's compatible products. Alternatively, when planning an installation speak to our team who'll be happy to advise a complete driver solution.

Information

Lighting technical information

Lighting terms

AC (alternating current)

An electrical current which changes direction periodically.

Accent lighting

Aesthetic lighting that provides emphasis, depth and decoration to draw attention to particular objects.

Ambient temperature

Ambient temperature relates to the average air temperature in the environment surrounding the luminaire / LED driver.

Bathroom zone

Suitability for a product to be installed near or in water.

CCT

Correlated Colour Temperature.

Colour switchable

Colour temperature can be switched between 3000K to 4000K or 6000K / 6500K.

CRI

Colour Rendering Index.

DALI

Digital Addressable Lighting Interface. A method of digital dimming, allowing precise control of individual light fittings by an external control system.

DC (direct current)

An electrical current flowing in one direction only.

Dim to warm

The CCT becomes warmer as the product is dimmed.

Flicker

A visible constant fluctuation of light output from on to off.

IK rating

Indicates the protection against mechanical impact. Rated from IK00 to IK10.

Insulation coverable

Insulation can be laid directly on top of the product this can refer to rolled or blown wool insulation.

IP rating

Ingress Protection Rating.

Kelvin (K)

Kelvin is the scientific unit for measuring CCT (Correlated Colour Temperature).

L70, B10 / L70, B50

Lifetime indication of the LEDs. L represents the percentage of lumens at the lifetime hours and B represents the failure rate to meet L. L70, B10 at 50,000 hours means that at 50,000 hours, the LED keeps 70% of it's light output and 10% have failed to do so.

Leading edge dimmers

The electrical current (sinusoidal signal) is turned off at the front of the AC input waveform immediately after the zero crossing.

Lumens (Im)

The quantity of light emitted from a light source that is visible. The higher the lumens, the brighter the light.

Luminaire

Is a light fitting that contains a light source, mechanical fixings and a power supply.

Luminous efficacy

Is a measure of energy efficiency and is calculated by dividing the lumens by the wattage (Im/W).

Luminous flux

Total number of 'lumens' emitted from a light source.

Lux (lx)

Quantity of light that illuminates a surface, e.g. in a corridor 100 lux are required on the floor.

Maintained

Maintained fittings are on all the time, like a normal luminaire.

m/

A milliamp is one thousandth of an amp (0.001A). Collingwood products are typically designed to take 350mA, 700mA, 900mA.

Manual test

The battery of tests need to be conducted by an individual, or team, on each relevant product.

Microwave sensor

A presence sensor to reduce the amount of time lighting is left on unnecessarily.

Non maintained

Non-maintained fittings only turn on in the event of a power failure.

PIR

Passive Infrared Device, used to activate lighting when a person enters a room or area.

REACH

Registration, Evaluation, Authorisation & Restriction of Chemicals. All Collingwood products are REACH compliant.

RGBW

Stands for Red, Green, Blue, White. Used to describe colour changing products that can be used to dynamically add colour to any environment. Can also be run on white when natural lighting is required.

RGBWW

RGBWW: This is a 5-in-1 LED chip that contains a warm white, RGB and cool white element.

RoHS

Restriction of Hazardous Substances, an EU requirement that restricts the use of harmful materials within products. All Collingwood products are RoHS compliant.

Self Test

Self-test products have built in technology that facilitates an automation of testing regimes.

SELV

Separated Extra Low Voltage. A low voltage power supply that will not exceed 50V AC or 120V DC.

Task lighting

Describing the installation or retrofit of LED downlights or other lighting specifically to provide functional illumination of an environment.

Thermal management

LEDs are susceptible to heat. Thermal management refers to components that are designed to remove heat efficiently to ensure high light output and long lifetime from the LEDs.

Trailing edge dimmers

The electrical current (sinusoidal signal) is turned off at the end of the AC input waveform immediately before the zero crossing.

UGR

UGR stands for Unified Glare Rating. The lower the value, the more comfortable the environment.

WEEE

Waste Electrical and Electronic Equipment, Collingwood is part of a WEEE scheme. Our WEEE Registration: WEE/JC3973RV

Wiring / electrical terms

Extension leads

Ready-made leads for easy extension of cables, usually with male / female plugs for Plug & Play extensions.

Flying leads

Electrical leads already attached to the product.

HO5RN-

Electrical cable suitable for outdoor use.

Pattress box

Back box for electrical front plates.

Plug & play

Cables on product have 1 x male and 1 x female plugs attached for quick connection.

PTF

A non-stick, chemically resistant insulating material.

RCD

Residual Current Device. This is a type of circuit breaker, which detects electrical leakage.

Shielded cable

Inner wires are wrapped in a shielding material to protect from electrical interference.

Straight to mains

Product for which no other wiring is required other than connection to the mains supply.

Series / parallel wiring

LED lighting products can be wired in either Series or Parallel and both have their advantages.

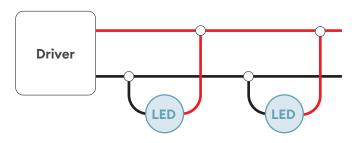
Series

Series wired products that require a separate constant current driver.

Driver

Parallel

Parallel wired products that require a separate constant voltage driver.



Building regulations

Specifically related to the UK, the following building regulations should be complied with, where appropriate.

Part B - Fire protection

When a hole is cut into a fire barrier (e.g. a fire rated ceiling), an appropriately fire-resistant luminaire must be used to block the hole from any pathway in the event of a fire in the room. All Collingwood downlights are fire rated and designed around our patented fire-resistant technology.

Part C - Moisture protection

When a hole is cut in an insulation barrier (e.g. a ceiling tile or plaster ceiling), air and moisture can travel into the ceiling void. Part C rated downlights can assist in energy saving by preventing heat loss from a room. The H4 Pro range are the only Part C rated adjustable downlights available in the market.

Part E - Acoustic protection

In multi-floor buildings, such as hotels and apartment blocks, sound can permeate throughout the building causing annoyance to neighbours and colleagues. With a Part E rated downlight, testing is carried out to ensure it is resistant to sound being transferred through partitions.

Part P - Electrical safety

Covers all aspects of proper installation of electrical components. All Collingwood products have been designed to easily allow installation to Part P, but we recommend that they should be installed by a qualified electrician or a suitably competent person.

Part L - Conservation of energy

LEDs are an energy efficient technology, however not all LED products are created equal. Part L ensures that only the most efficient products are installed, so that as little energy as possible is used, and therefore energy bills are lowered.

New or existing Dwellings: each internal light fitting should have lamps with a minimum luminous efficacy of 75 light source lumens per circuit-watt.

Buildings other than dwellings: General lighting, has an average luminaire efficacy of 95 luminaire lumens per circuit-watt Display lighting, have an average light source efficacy of 80 light source lumens per circuit-watt

SDCM (standard deviation colour matching)

SDCM refers to the colour consistency between light sources. SDCM is a different naming convention for MacAdam Ellipses, both terms are internationally accepted. A SDCM is a scientific term given to light sources that the human eye should not be able to distinguish a difference between in an installation.

Collingwood Lighting commits to ensuring that its illumination products have colour consistency.

CCT (correlated colour temperature)

Choosing a colour temperature:

LEDs make it possible to have a choice of white colours or 'tones'. This allows easy customisation of an area to bring out the best in the materials and design of a room.

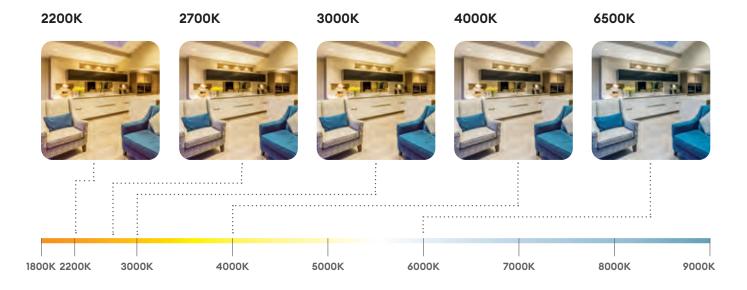
With standard white LED lighting, these tones range from warm-yellow to cool-blue white light, with several options in between. The graphic below is a reference that starts at a warm yellow colour on the left and fades into a cool blue colour on the right.

Collingwood Lighting uses the industry standard Correlated Colour Temperature (CCT) rating to describe the tones of white light available.

The standard unit of CCT is the kelvin (K), so CCT is described as a 'temperature'. CCT options range from 6500K cool white, 4000K natural white, 3000K warm white, 2700K warmer white and 2200K ember.

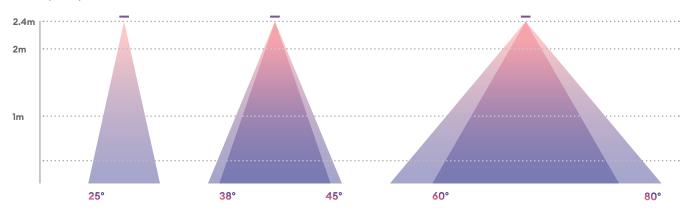
You will find colour consistency across our entire range of products ensuring seamless installations.

It can be tricky to decide what is best for your installation, but our skilled technical sales and lighting design teams are on hand to guide you through choosing the perfect white tone for your room.



Beam angles

- **25°** A narrow beam angle ideal for illuminating specific areas of interest with pin points of light.
- 38° The most commonly used beam angle since the introduction of the halogen lamp in the '70s. Ideal for illuminating large areas and space between fittings is normally 1m-1.2m to create an even spread of light at floor level. Commonly used throughout residential and commercial environments.
- **45°** Can be used instead of a 38° beam angle when the ceiling is higher than standard or when looking to achieve a greater spread of light at floor and wall level. Commonly used in the hospitality market.
- 60° This wider beam angle allows for greater spacing between fittings, up to 1.8m apart, or greater illumination at 1.2m spacings, meaning fewer luminaires are required. Also produces a more even spread of light at floor and wall level. Commonly used throughout residential and commercial environments.
- Ideal for high ceilings and illuminating large areas of space 80° and is more commonly used in the commercial sector.



CRI (colour rendering index)

A value given to the quality of a light source with regards to how accurately it can replicate colours compared to natural daylight. CRI is given as a value out of 100, and is stated as the Rendering Index (Ra).

LEDs are generally available with a CRI of between 50Ra and 95Ra, with those in the lower end used for outdoor lighting, and those in the higher end used for professional photography.

It is generally accepted that a CRI of >80Ra is very good and for general indoor lighting, while >90Ra is used in specialised locations, e.g. retail or very high-end hospitality.





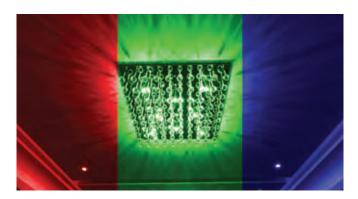
Low CRI High CRI

RGB vs RGBW

Use RGB products to select vivid red, green or blue schemes or mix the three together for even more colour options.

The addition of a white LED in RGBW products provides the option to create pastel shades and white, in addition to the vivid red, green and blue colours.

RGBW can also be run on white, giving you the option of more natural lighting when it is required. Choose from 2700K, 3000K and 4000K.





RGB RGBW

DIALUX RELUX

Collingwood Lighting is partnered with DIALux and RELUX 3D lighting design software which provides fast and accurate calculations and detailed, realistic visualisations of designs.

Our entire e-catalogue is available in our plug-in, giving you the freedom to select any product and add it to your virtual design. This will create an accurate representation of your lighting scheme, giving you the ability to get creative with your design and accomplish the perfect lighting scheme - with no regrets after installation.

LED lifetime / light output

LEDs do not use heat to generate light in the same way as commonly used lights, where 80% of the power used is dissipated as heat. This is why LEDs are referred to as cool to touch and are safer to use, especially in ground light products. However an LED does have an operating temperature within its structure. This heat, if not removed will reduce the light output and product lifetime. This is why LED products have heatsinks or use the body of the product to dissipate the heat as quickly and efficiently as possible.

Many Collingwood LED products have visible heatsinks: these are typically made from anodised aluminium and feature many thin fins. It is essential to have an air gap around the heatsink, as this ensures that heat is quickly removed, which keeps the LED at optimum temperature.

LEDs do naturally lose their ability to produce light over many thousands of hours so Collingwood Lighting publishes the expected lifetime of products within its catalogue. This helps customers to easily determine how long the product will last,

and to calculate how much energy will be saved compared to conventional incandescent lamps over the life of the product. Use the cost savings calculator on our website to see our estimate of how much our lights can save you compared to non-LEDs. Lifetime is stated as the number of hours of operation until the light level emitted from the LEDs has dropped to a specified percentage of the original published values.

For the majority of Collingwood Lighting products, lifetime is stated as 'L70, B10 X hours'. Where, 'L70' means 70% of original light output remains. 'B10' means that 10% of products will have reached this level (i.e. 90% of products will have a light output greater than 70% of published) after 'X' number of hours of operation.

As an example, the majority of Collingwood Lighting products state lifetime as L70, B10 for 70,000 hours. However, as LEDs do naturally lose their ability to emit light, they will continue to operate for many hundreds of hours after this level has been reached, but at an ever-reducing level.

IK rating

Degrees of protection against external mechanical impacts.

Number	Protection	Number Protection
IK00	Not protected.	Protected against 1 joules impact.
IK01	Protected against 0.14 joules impact.	IK07 Protected against 2 joules impact.
IK02	Protected against 0.2 joules impact.	IKO8 Protected against 5 joules impact.
IK03	Protected against 0.35 joules impact.	Protected against 10 joules impact.
IK04	Protected against 0.5 joules impact.	IK10 Protected against 20 joules impact.
IK05	Protected against 0.7 joules impact.	

IP rating

The IP rating normally has two numbers:

- Level of protection from solid objects or materials.
 Level of protection from liquids (water).

Solid protection

Liquid protection

Number	Example	Protection	Number	Example	Protection
0		No special protection.	0		No special protection.
1		Protection from a large part of the body such as a hand (but no protection from deliberate access); from solid objects greater than 50mm in diameter.	1		Protection against condensation.
2		Protection against fingers or other objects not greater than 80mm in length and 12mm in diameter.	2	(8 15°	Protection against water droplets deflected up to 15° from vertical.
3		Protection from entry by tools, wires etc, with a diameter of 2.5mm or more.	3		Protection against spray up to 60° from vertical.
4	998	Protection against solid bodies larger than 1mm.	4		Protection against water spray from all directions.
5		Protection against dust that may harm equipment.	5		Protection against low pressure water jets (all directions).
6		Totally dust-tight.	6		Protection against high pressure water jets and waves.
			7		Protection against temporary immersion.
	IF	P65	8		Protection against prolonged effects of submersion under pressure. Submersion depth to be specified.*
	Ingress prot	ection.	9	010	Protection against high pressure, high temperature close range jet (8-10 MPa – 80°C) and high temperature water and steam.

Bathroom / pool zones



Zone 0 ≥IPX7

Only 12V AC rms or 30V ripple-free DC SELV, transformers must be sited outside Zones 0,1,2.

Zone 1 ≥IPX4

Only 25V AC or 60V DC ripple-free SELV. Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.

Zone 2 ≥IPX4

Protected by 30mA RCD. Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.

Outside zones 0, 1 & 2

No specific IP rating. Where water jets are likely to be used for cleaning purposes in communal baths & showers at least IPX5 is required.

Zone 0

The interior of the pool, bath tub or shower basin.

For showers without a basin, the height of zone 0 is 10cm and its surface extent has the same horizontal extent as zone 1.

Zone 1

This is the three-dimensional space between the following boundaries:

Horizontal plane corresponding to the highest fixed shower head or water outlet or the horizontal plane lying 2.25m above the finished floor level.

Vertical plane circumscribing the bath tub or shower.

Note: For showers without a basin, the limiting vertical plane of zone 1 is at a distance of 1.2m from the centre point of the fixed water outlet on the wall or ceiling.

Zone 2

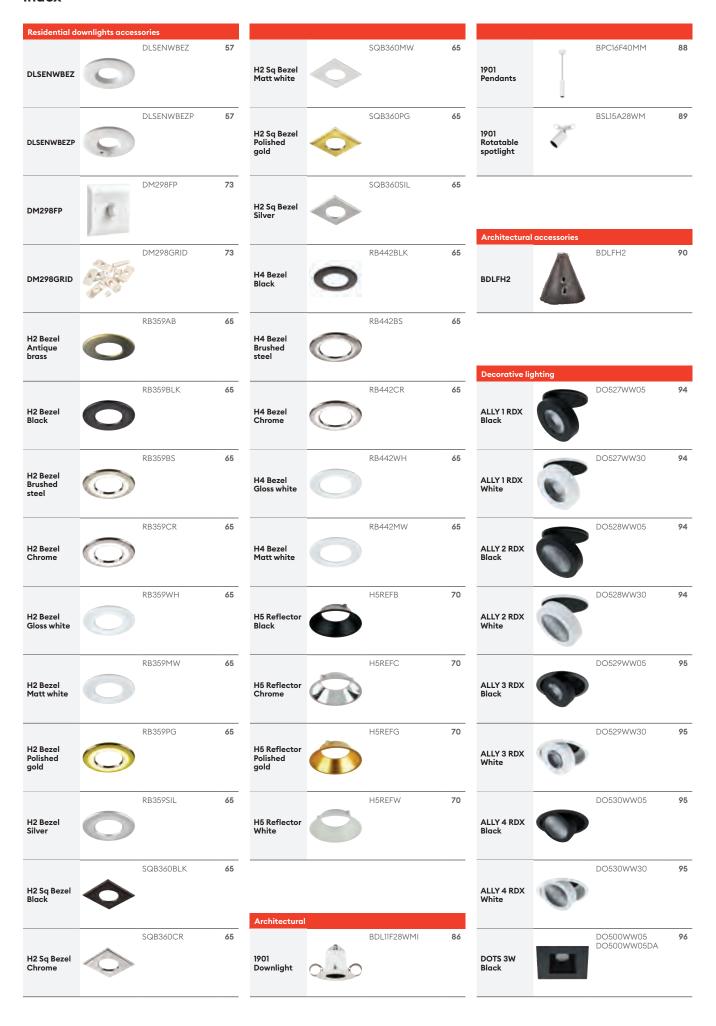
This is the three-dimensional space between the following boundaries:

Horizontal plane: Between the finished floor level and the highest point of either the highest fixed shower head or water outlet or 2.25m above the finished floor level.

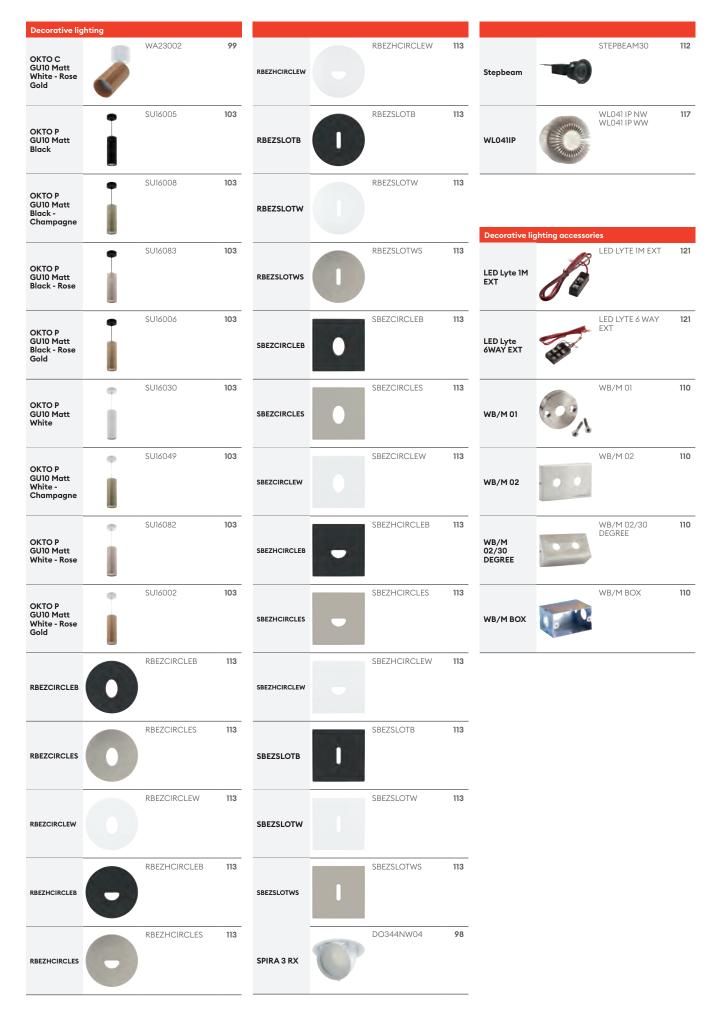
Vertical plane: The parallel vertical surface that is 60cm from the zone 1 border.

Note: For showers without a basin there is no zone 2. An increased zone 1 is provided by the horizontal height of 1.2m.

Residential do	wnlights							Residential downlight	ts accessories	
H2 Deco Black		H2D1BLKBLK	55	H2 Pro Extreme CSP		H2EXTIA H2EXTIB H2EXTIW	66	DLCONVERT 110 Black	DLCVTIIOBLK	72
H2 Deco Black-White		H2D1BLKWHI	54	H2 Sense		DLSENSE	67	DLCONVERT 110 Brushed steel	DLCVTIIOBS	72
H2 Deco White		H2D1WHIWHI	53	H4 Lite Black	8	DL490BLK5530 DL490BLK5540	51	DLCONVERT 110 Chrome	DLCVTIIOCR	72
H2 Lite 8 Pack	[6]	DLT388MW5530A8	50	H4 Lite Brushed steel		DL490BS5530 DL490BS5540	51	DLCONVERT 110 Gloss white	DLCVTIIOWH	72
H2 Lite Black		DLT388BLK5530 DLT388BLK5540	50	H4 Lite Matt White	(3)	DL490MW5530 DL490MW5540	51	DLCONVERT 110 Matt white	DLCVT110MW	72
H2 Lite Brushed steel		DLT388BS5530 DLT388BS5540	50	H4 Pro		DLE5295500	61	DLCONVERT 170 Brushed steel	DLCVT170BS	72
H2 Lite Matt white	[9]	DLT388MW5530 DLT388MW5540	50	H4 Pro 550		DLE4353830 DLE4353840 DLE4357030 DLE4357040	63	DLCONVERT 170 Chrome	DLCVTI70CR	72
H2 Lite CSP 8 Pack		DLT551500A8	56	H5 1000 Brushed steel		DL510BSM	69	DLCONVERT 170 Matt white	DLCVT170MW	72
H2 Lite CSP Black		DLT551500ABK	57	H5 1000 Chrome		DL510CRM	69	DLCONVERT 70 Brushed steel	DLCONVERT70BS	72
H2 Lite CSP Brushed steel		DLT551500ABS	58	H5 1000 Matt white	9	DL510MWM	69	DLCONVERT 70 Chrome	DLCONVERT70CR	72
H2 Lite CSP White		DLT551500A	56	H5 500 Brushed steel		DL507BSM	68	DLCONVERT 70 Gloss white	DLCONVERT70WH	72
H2 Pro	60	DLE5245500 DLE5245500EM	60	H5 500 Chrome	9	DL507CRM	68	DLCONVERT 70 Matt white	DLCONVERT- 70MW	72
H2 Pro 550		DLE4723830 DLE4723840 DLE4727030 DLE4727040	62	H5 500 Matt white	9	DL507MWM	68	DLSENBEZ	DLSENBBEZ	57
H2 Pro Dusk		DLE5435518	64	H5 Trimless		DL282WHNWDIM DL282WHWWDIM	71	DLSENBEZP	DLSENBBEZP	57



Decorative lig	hting										
DOTS 3W White	М	DO500WW30 DO500WW30DA	96	OKTO 2 C GU10 Matt Black		WA23205	100	OKTO 4 C GU10 Matt Black - Champagne		WA23308	101
DOTS 6W Black		DO496WW05 DO496WW05DA	97	OKTO 2 C GU10 Matt Black - Champagne		WA23208	100	OKTO 4 C GU10 Matt Black - Rose		WA23383	101
DOTS 6W White	WWW	DO496WW30 DO496WW30DA	97	OKTO 2 C GU10 Matt Black - Rose		WA23283	100	OKTO 4 C GU10 Matt Black - Rose Gold		WA23306	101
FULLA		WA169WW30	105	OKTO 2 C GU10 Matt Black - Rose Gold		WA23206	100	OKTO 4 C GU10 Matt White	10 10	WA23330	101
LED Lyte		LED LYTE 27 LED LYTE NW LED LYTE WW	120	OKTO 2 C GU10 Matt White	100	WA23230	100	OKTO 4 C GUIO Matt White - Champagne	10 10	WA23349	101
LED Lyte IP		LED LYTE IP 27 LED LYTE IP NW LED LYTE IP WW	118	OKTO 2 C GU10 Matt White - Champagne		WA23249	100	OKTO 4 C GUI0 Matt White - Rose	1 TO 100	WA23382	101
LED Lyte IPT		LED LYTE IPT NW	119	OKTO 2 C GU10 Matt White - Rose	No.	WA23282	100	OKTO 4 C GU10 Matt White - Rose Gold	1 TO 100	WA23302	101
MC010 S		MC010 S 27 MC010 S WW	106	OKTO 2 C GU10 Matt White - Rose Gold	10	WA23202	100	OKTO C GU10 Matt Black	3	WA23005	99
MC020 S		MC020 S 27 MC020 S NW MC020 S WW	107	OKTO 2 GU10 Matt Black		WA23405	102	OKTO C GU10 Matt Black - Champagne		WA23008	99
MF02 IP		MF02 IP 27 MF02 IP NW MF02 IP WW	108	OKTO 2 GU10 Matt Black - Champagne	þ	WA23408	102	OKTO C GU10 Matt Black - Rose		WA23083	99
ML01		ML01 27 ML01 NW ML01 RED ML01 WW	114	OKTO 2 GU10 Matt Black - Rose	þ	WA23483	102	OKTO C GU10 Matt Black - Rose Gold		WA23006	99
ML02		ML02 27 ML02 NW ML02 RED ML02 WW	115	OKTO 2 GU10 Matt Black - Rose Gold	þ	WA23406	102	OKTO C GU10 Matt White		WA23030	99
ML03		ML03 NW ML03 WW	116	OKTO 2 GU10 Matt White	ŀ	WA23430	102	OKTO C GU10 Matt White - Champagne		WA23049	99
MS02 IP		MS02 IP 27 MS02 IP NW MS02 IP WW	109	OKTO 4 C GU10 Matt Black	-	WA23305	101	OKTO C GU10 Matt White - Rose		WA23082	99



Strip lights											
LSC02	-5	LSC0227200 LSC0230200 LSC0240200	144	LSV02		LSV0227050 LSV0227500 LSV0230050 LSV0230500 LSV0240050 LSV0240500	140	LSNS1217MAL		LSNS1217MAL	134
LSC04	-	LSC0427100 LSC0430100 LSC0440100	146	LSV05	5	LSV0527050 LSV0527500 LSV0530050 LSV0530500 LSV0540050 LSV0540050	141	LSNS1217MPC		LSNS1217MPC	134
LSC05	-	LSC0527200 LSC0530200 LSC0540200	145	LSV42	5	LSV4227050 LSV4230050 LSV4240050	142	LSNS1217PAL		LSNS1217PAL	134
LSC06	5	LSC0627100 LSC0630100 LSC0640100	147	LSV45	5	LSV4527050 LSV4530050 LSV4540050	143	LSNS1217PFL	Contraction of the Contraction o	LSNS1217PFL	134
LSC82	5	LSC8227200 LSC8230200 LSC8240200	148	SP50		SP5027 SP5030 SP5040	158	LSNS1217PPC		LSNS1217PPC	134
LSC84	5	LSC8427400 LSC8430400 LSC8440400	150					LSNS1217R2P		LSNS1217R2P	137
LSC85	5	LSC8527400 LSC8530400 LSC8540400	149	Strip lights ac	ccessories	CO7010 CO7020	133	LSNS1217SS		LSNS1217SS	137
LSC86	5	LSC8627400 LSC8630400 LSC8640400	151	СОТЕСА		CO7ECA	133	LSNS1217SSF	220	LSNS1217SSF	137
LSFA	5	LSFA0727050 LSFA0730050 LSFA0740050	153	СО7ЕСВ	0	CO7ECB	133	LSNT1312B2P		LSNT1312B2P	137
		LSNS7327030 LSNS7327050 LSNS7327100 LSNS7330030 LSNS7330050 LSNS7330100 LSNS7340030	154	LSAFD	·/	LSAFD82F	136	LSNT1312E2P		LSNT1312E2P	137
LSNS	5	LSNS7340050 LSNS7340050 LSNS7340100 LSNS7527030 LSNS7527050 LSNS7530030 LSNS7530050 LSNS7540030 LSNS7540050		LSNS1217B2P		LSNS1217B2P	137	LSNT1312EC		LSNT1312EC	137
	<u> </u>	LSNT7327030 LSNT7327050 LSNT7327050 LSNT7327100 LSNT7330030 LSNT7330050 LSNT7330100 LSNT7340030	156	LSNS1217E2P		LSNS1217E2P	137	LSNT1312L2P	B	LSNTI312L2P	137
LSNT		LSNT7340050 LSNT7340100 LSNT7527030 LSNT7527050 LSNT7530030 LSNT7530050 LSNT7540030 LSNT7540050		LSNS1217EC		LSNS1217EC	137	LSNT1312MAL		LSNT1312MAL LSNT1312MPC	135
LSP	2	LSP195027 LSP205030 LSP225040	152	LSNS1217L2P	18	LSNS1217L2P	137	LSNT1312PAL		LSNT1312PAL	135

Strip lights ac	ccessories										
LSNT1312PFL	Market of the Control	LSNT1312PFL	135	SM7ECA		SM7ECA	132	WL070 Black	1	WL070BNBM27 WL070BNBM30 WL070BNBM40	168
LSNT1312PPC		LSNTI312PPC	135	SM7ECB		SM7ECB	132	WL070 Bronze	A	WL070ZNBM27 WL070ZNBM30	168
LSNT1312R2P	THE STATE OF THE S	LSNT1312R2P	137	SM7LC		SM7LC	132	WL070 Copper		WL070CNBM27 WL070CNBM30	168
LSNT1312SS	The second	LSNT1312SS	137	SM7MA		SM7MA	132	WL070 Silver	9	WL070SNBM27 WL070SNBM30 WL070SNBM40	168
LSNT1312SSF	**	LSNT1312SSF	137	Wall lights				WL075 Black		WL075BNBM27 WL075BNBM30 WL075BNBM40	170
LSPLA21314		LSPLA21314	133	WL012 Black	I	WL012X30	172	WL075 Bronze	4	WL075ZNBM27 WL075ZNBM30	170
RP28		RP28020	132	WL012 Grey		WL012G30	172	WL075 Silver		WL075SNBM27 WL075SNBM30 WL075SNBM40	170
RP7		RP7010 RP7020	132	WL013 Black		WL013X30	173	WL160 Black		WL160 27 WL160 NW WL160 WW	171
RP7EC	-	RP7ECA	132	WL013 Grey		WL013G30	173	WL220 Mains Black		WL220BWBM27 WL220BWBM30	169
RP7ECB	F	RP7ECB	132	WL014 Black	T	WL014X30	174	WL220 Mains Bronze		WL220ZWBM27 WL220ZWBM30	169
SM28		SM28010 SM28020	132	WL014 Grey	T	WL014G30	174	WL220 Mains Copper	G _I	WL220CWBM27	169
SM28ECA		SM28ECA	132	WL015 Black		WL015X30	175	WL220 Mains Stainless steel		WL220DWBM27 WL220DWBM30 WL220DWBM40	169
SM28MB	U	SM28MB	132	WL015 Grey		WL015G30	175	Residential flo	odlights		
SM7		SM7010 SM7020	132	WL060 Silver	el	WL060 NW WL060 WW	171	FL01 Anthracite grey		FL01APCS FL01AXCS	178

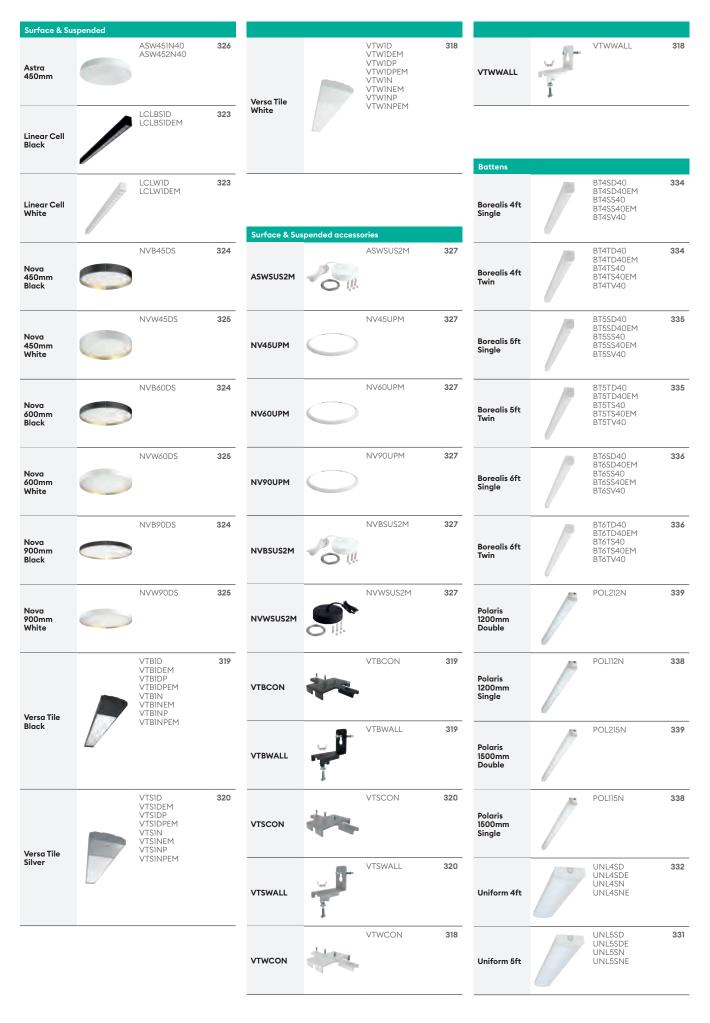
oodlights										
	FL01BPCS FL01BXCS	178	GL019 Eyelid Stainless steel	46	GL019E27SS GL019E30SS	193	GL016 Frosted black	8	GL016BC0F30 GL016BC0F40	215
H	FL01WPCS FL01WXCS	178	GL021		GL021 27 GL021 NW GL021 WW	190	GL016 Frosted stainless steel		GL016DC0F27 GL016DC0F30 GL016DC0F40	215
	FL02APCS FL02AXCS	179	GL022		GL022 27 GL022 NW GL022 WW	191	GL016 SQ		GL016 SQ NW GL016 SQ WW	216
	FL02BPCS FL02BXCS	179	GL034	9	GL034DWBM27 GL034DWBM30 GL034DWBM40	192	GL018 C		GL018 C 27 GL018 C BLUE GL018 C NW GL018 C WW	230
Liv.	FL02WPCS FL02WXCS	179	WL339	8	WL339NW WL339WW	186	GL018 C AB		GL018 C AB 27 GL018 C AB BLUE GL018 C AB NW GL018 C AB WW	231
	FL03APCS FL03AXCS	180	WL340 Antique brass		WL340AB27 WL340ABWW	187	GL018 SQ		GL018 SQ BLUE GL018 SQ WW	232
	FL03BPCS FL03BXCS	180	WL340 Stainless steel	8	WL340NW WL340WW	187	GL019 Antique brass		GL019ANBX27 GL019ANBX30 GL019AWBX27 GL019AWBX30	207
	FL03WPCS FL03WXCS	180	WL341		WL341NW WL341WW	188		6	GL019BNBX27 GL019BNBX30 GL019BNBX40 GL019BNBXBL GL019BWBX27 GL019BWBX30 GL019BWBX40	206
	FL05APCS FL05AXCS	181	WL342 Antique brass		WL342AB27 WL342AB30	189	GL019 Black		GL019BWBXBL	
	FL05BPCS FL05BXCS	181	WL342 Stainless steel		WL34227 WL342NW WL342WW	189	GL019 Frosted black	9	GL019BC0F27 GL019BC0F30 GL019BC0F40	174
116	FL05WPCS FL05WXCS	181	Ground lights				GL019 Frosted stainless steel	F	GL019DC0F27 GL019DC0F30 GL019DC0F40 GL019DC0FBL	210
	FL10BXCS	182	GL016 F AB		GL016 F AB 27 GL016 F AB NW GL016 F AB WW	214	GL019 LG	f	GL019LGF27 GL019LGFNW GL019LGFWW GL019LGS27 GL019LGSNW GL019LGSWW	209
			GL016 F Black	5	GL016BMBX27 GL016BMBX30 GL016BMBX40 GL016BMBXBL	213	GL019 SQ	8	GL019 SQ F BLUE GL019 SQ F NW GL019 SQ F WW GL019 SQ S BLUE GL019 SQ S NW	211
	GL019E27BL GL019E30BL	193	GL016 F Stainless steel		GL016 F 27 GL016 F BLUE GL016 F NW GL016 F WW	212				
		FLOIBPCS FLOIWYCS FLOIWXCS FLO2APCS FLO2APCS FLO2BYCS FLO2BYCS FLO2BYCS FLO3AYCS FLO3APCS FLO3APCS FLO3AYCS FLO3AYCS FLO3AYCS FLO3BYCS FLO3BYCS FLO5BYCS FLOSBYCS	FLOIBPCS FLOIBNCS 178 FLOIWPCS FLOIWXCS 179 FLO2APCS FLOZAXCS 179 FLO2BYCS 179 FLO3APCS FLOZWXCS 179 FLO3APCS FLOZWXCS 180 FLO3APCS FLOZWXCS 180 FLO3BPCS FLOZWXCS 180 FLOSBPCS FLOZWXCS 180 FLOSBPCS 180 FLOSBPCS 181 FLOSBPCS 181 FLOSBPCS 181 FLOSBPCS 181 FLOSBPCS 181 FLOSBPCS 181 FLOSBPCS 181	FLOIBNCS 178 Stoinless 178 Stoinless 178 Stoinless 178 Stoinless 178 Stoinless 179 Stoinless 180 Stoinless	FLOBERCS 178 GLO21 FLOWERS 179 GLO22 FLOWERS 179 GLO22 FLOWERS 179 FLOZENCS 179 FLOZENCS 179 FLOZENCS 179 FLOZENCS 180 FLOSENCS 181 FLOSENCS 182 FLOSENCS 182 FLOSENCS 182 FLOSENCS 183 FLOSENCS 184 FLOSENCS 185 FLOSENCS 185	FLORENCS 178 GLOPESS 178 GLOPESS G	FLORES 178	FLORENCS 178 GLOIP Eyelid Florence Florence	FLORES 176 CLOP Eyelid CLOP EYES 193 CLOP EYES CLOP	FLORINCS TR COLOR COLO

Ground lights										
GL019 Stainless	0	GL019 F 27 GL019 F AMBER GL019 F BLUE GL019 F NW GL019 F RED GL019 F WW GL019 S 27 GL019 S NW	205	GL100 Antique brass 2 windows 2 directions	GL100AX2227 GL100AX2230	222	GL200 Stainless steel 2 windows 1 direction		GL200DX2127 GL200DX2130 GL200DX2140	224
steel		GL019 S WW		GL100 Antique brass 3 windows	GL100AX3X27 GL100AX3X30	223	GL200 Stainless steel 2 windows 2 directions		GL200DX2227 GL200DX2230 GL200DX2240	224
GL019 Ultra low glare stainless steel		GL019DMBL27 GL019DMBL30 GL019DNBL27 GL019DNBL30 GL019DNBL40	208	GL100 Antique brass 4 windows	GL100AX4X27 GL100AX4X30	223	GL200 Stainless steel 3 windows		GL200DX3X27 GL200DX3X30	225
GL038 Antique brass		GL038AWBM27 GL038AWBM30	203	GL100 Stainless steel 1 window	GL100DX1X27 GL100DX1X30 GL100DX1X40	220	GL200 Stainless steel 4 windows		GL200DX4X27 GL200DX4X30 GL200DX4X40	225
GL038 Stainless steel	8	GL038DWBM27 GL038DWBM30 GL038DWBM40	202	GL100 Stainless steel 2 windows 1 direction	GL100DX2127 GL100DX2130 GL100DX2140	220	Tilt Mains ground light		GLTMF147T30 GLTMF165T30 GLTMS119T30 GLTMS147T30 GLTMS165T30 GLTMS193T30 GLTMS193T30 GLTMS223T30	196
GL040 Antique brass		GL040ANBX27 GL040ANBX30 GL040AWBX27 GL040AWBX30	199	GL100 Stainless steel 2 windows 2 directions	GL100DX2227 GL100DX2230 GL100DX2240	220	Ground lights	accessories		
GL040 Stainless steel		GL040DNBX27 GL040DNBX30 GL040DNBX40 GL040DWBX27 GL040DWBX30 GL040DWBX40	198	GL100 Stainless steel 3 windows	GL100DX3X27 GL100DX3X30 GL100DX3X40	221	GLA01	\Diamond	GLA01	233
GL040 Ultra low glare antique brass		GL040AMBL27 GL040AMBL30 GL040ANBL27 GL040ANBL30	201	GL100 Stainless steel 4 windows	GL100DX4X27 GL100DX4X30 GL100DX4X40	221	TUBE/50		TUBE/50	233
GL040 Ultra low glare stainless steel		GL040DMBL27 GL040DMBL30 GL040DMBL40 GL040DNBL27 GL040DNBL30 GL040DNBL40	200	GL200 Antique brass 1 window	GL200AXIX30	226	TUBE/68		TUBE/68	233
GL050		GL050 27 GL050 NW GL050 WW	229	GL200 Antique brass 2 windows 1 direction	GL200AX2130	226	TUBE332		TUBE332	233
GL063	P	GL063	218	GL200 Antique brass 2 windows 2 directions	GL200AX2230	226	Spike lights			
GL064	19	GL064	219	GL200 Antique brass 3 windows	GL200AX3X30	227	SL030 Stainless steel		SL030 F 27 SL030 F NW SL030 F WW	236
GL100 Antique brass 1 window		GL100AXIX27 GL100AXIX30	222	GL200 Antique brass 4 windows	GL200AX4X30	227	SL040A	P	SL040A F 27 SL040A F WW SL040A S 27 SL040A S NW SL040A S WW	237
GL100 Antique brass 2 windows 1 direction		GL100AX2127 GL100AX2130	222	GL200 Stainless steel 1 window	GL200DXIX27 GL200DXIX30 GL200DXIX40	224	SL130 Black	1	SL13027 SL13030 SL13040	236

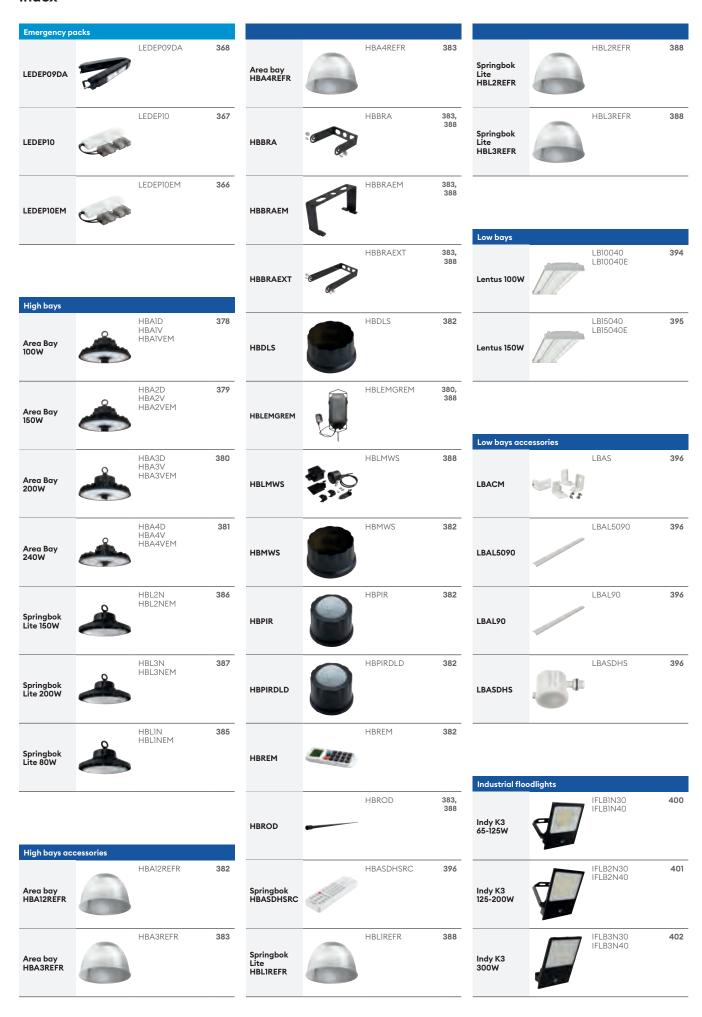
Spike lights								Spike lights ac	cessories		
SL130 Bronze		SL130ZMBX27 SL130ZMBX30	236	SL230 Stainless steel		SL230DWBX30	244	GH220 Black	0	GH220B	249
SL220 Black		SL220BNBX27 SL220BNBX30 SL220BNBX40 SL220BWBX27 SL220BWBX30 SL220BWBX40	238	SL240 Stainless steel	00	SL240DWBX27 SL240DWBX30	246	GH220 Bronze	0	GH220Z	249
SL220 Bronze		SL220ZWBX27 SL220ZWBX30	239	SL240 Black	7	SL240BWBX27 SL240BWBX30	246	GH220 Stainless steel	0	GH220D	249
SL220 Copper		SL220CNBX27 SL220CWBX27	238	SL240 Bronze	00	SL240ZWBX27 SL240ZWBX30	246	GS220 Black	O	GS220B	249
SL220 Mains Black		SL220BNBM30 SL220BNBM40 SL220BWBM27 SL220BWBM30 SL220BWBM40	240	SL240 Mains Black	20	SL240BWBM27 SL240BWBM30	247	GS220 Bronze		GS220Z	249
SL220 Mains Bronze		SL220ZNBM27 SL220ZWBM27 SL220ZWBM30	240	SL240 Mains Bronze	00	SL240ZWBM27 SL240ZWBM30	247	GS220 Stainless steel		G\$220D	249
SL220 Mains Copper		SL220CWBM27	241	SL240 Mains Stainless steel	00	SL240DWBM30	247	SL250A1		SL250A1	249
SL220 Mains Stainless steel		SL220DNBM27 SL220DNBM30 SL220DWBM27 SL220DWBM30 SL220DWBM40	240	SL250 Black		SL250BPX0X27 SL250BPX0X30	248				
SL220 Stainless steel		SL220DNBX30 SL220DWBX27 SL220DWBX30 SL220DWBX40	238	SL250 Brass	1	SL250ATX0X27 SL250ATX0X30	248	Qubo 1000lm		QBAMN30	255
SL230 Black	90	SL230BWBX27 SL230BWBX30	244	SLM230 Mains Anthacite grey	•	SLM230SHA30	243	Qubo 2000lm	111	QBALN30	255
SL230 Bronze		SL230ZWBX27 SL230ZWBX30	244	SLM230 Mains Black	•	SLM230SHB30	243	UL010 Antique brass		UL010 A 27 UL010 A WW	253
SL230 Mains Black	90	SL230BWBM27 SL230BWBM30	245	SLX230 Anthacite grey	•	SLX230SHA30	242	UL010 Anodised black aluminium	9	UL010 B 27 UL010 B 30	253
SL230 Mains Bronze	•	SL230ZWBM30	245	SLX230 Black	•	SLX230SHB30	242	UL010 Stainless steel		UL010 27 UL010 NW UL010 WW	253
SL230 Mains Stainless steel	0	SL230DWBM27 SL230DWBM30	245		•			UL030 Antique brass		UL030ANAX27 UL030ANAX30 UL030AWAX27 UL030AWAX30	252

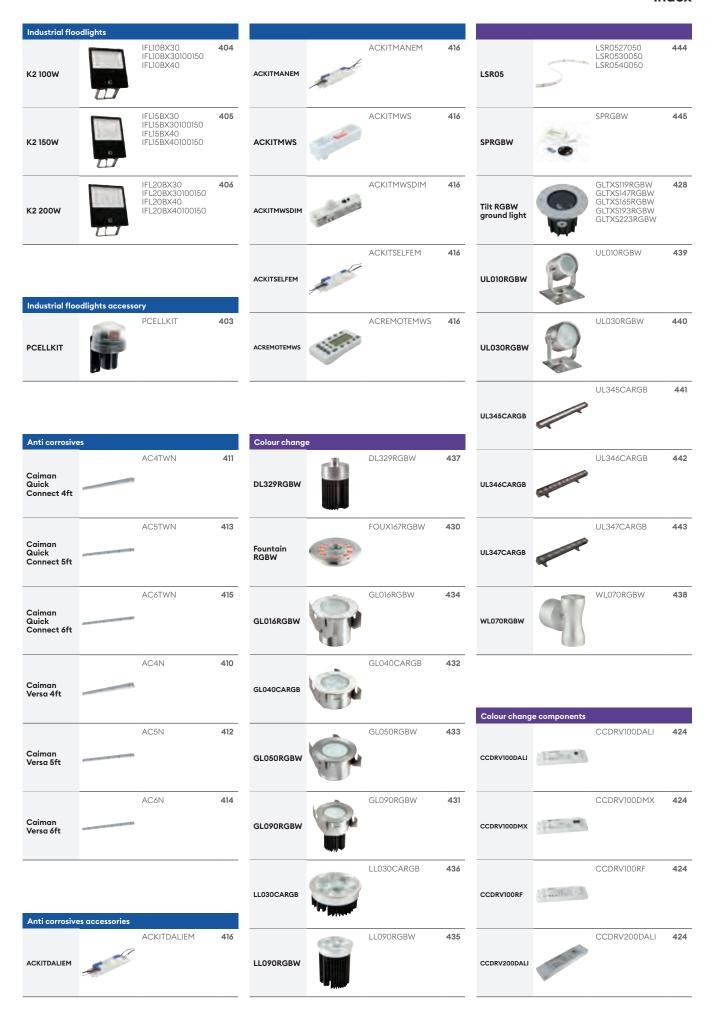
Feature lights											
UL030 Black	9	UL030BWBX27 UL030BWBX30	252	BOL301		BOL301X30	264	WL94 18W		WL9418CCS WL9418ECS WL9418MCS WL9418SCS	279
UL030 Stainless steel		UL030DNBX27 UL030DNBX30 UL030DNBX40 UL030DWBX27 UL030DWBX30 UL030DWBX40	252	Luxi 54		OU13624	268	WL95 10-15W Black		WL9515CCSB WL9515ECSB WL9515MCSB WL9515SCSB	282
Bollards				Luxi 650		OU13824	267	WL95 10-15W White		WL9515CCS WL9515ECS WL9515MCS WL9515SCS	280
BL01 Chamfered iroko		BL01FIB30 BL01FIS30	260	Bollards acce	assory			WL95 18- 27W Black		WL9527CCSB WL9527ECSB WL9527MCSB WL9527SCSB	283
BL01 Domed iroko	2	BL01DIB27 BL01DIB30 BL01DIB40 BL01DIS30	260	BOL LED Bracket		BOL LED BRACKET	261	WL95 18- 27W White		WL9527CCS WL9527ECS WL9527MCS WL9527SCS	281
BL01 Pointed iroko		BL01PIB27 BL01PIB30 BL01PIS27 BL01PIS30 BL01PIS40	260	Haliohte				Bulkheads acc	ossovios		
BL03 Chamfered iroko		BL03FIB30 BL03FIS27 BL03FIS30 BL03FIS40	259	Volta LEDLINE 1000mm		LL1000AT27 LL1000AT30 LL1000MT27 LL1000MT30 LL1000WT27 LL1000WT30	273	WL95BE	• Somes	WL95BE	284
BL03 Domed iroko	7	BL03DIB30 BL03DIS27 BL03DIS30	259	Volta LEDLINE 500mm		LL500AT27 LL500AT30 LL500MT27 LL500MT30 LL500WT27 LL500WT30	272	WL95BEW		WL95BEW	284
BL03 Pointed iroko		BL03PIB30 BL03PIS27 BL03PIS30 BL03PIS40	259					WL95BG		WL95BG	284
BOL100	II	BOL100X30	262	Bulkheads & PLANK 1 20W	Wall lights	PK30/1A/3K/W PK30/1A/4K/W	286				
BOL101	II	BOL101X30	262	PLANK1 40W	Walter Street	PK60/1A/3K/W PK60/1A/4K/W	286	Commercial de	ownlights	CDL0218S	303
BOL200	11	BOL200X30	263	PLANK 2 2x16W		PK30/2A/3K/W PK30/2A/4K/W	287	Senso		DO53605 DO53630	302
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RBEZHCIRCLEB	113	SL230BWBM27	245	THLIN	298	UL345CARGB	441
RBEZHCIRCLES	113	SL230BWBM30	245	THLIX	298	UL346CARGB	442
RBEZHCIRCLEW	113	SL230BWBX27	244	THL2N	299	UL347CARGB	443
RBEZSLOTB	113	SL230BWBX30	244	THL2X	299	UNL4SD	332
RBEZSLOTW	113	SL230DWBM27	245	THL3N	300	UNL4SDE	332
RBEZSLOTWS	113	SL230DWBM30	245	THL3X	300	UNL4SN	332
RP28020	132	SL230DWBX30	244	THLBIN	298	UNL4SNE	332
RP7010	132	SL230ZWBM30	245	THLBIX	298	UNL5SD	331
RP7020	132	SL230ZWBX27	244	THLB2N	299	UNL5SDE	331
RP7ECA				THLB2X	299	UNL5SN	331
RP7ECB				THLB3N			
SBEZCIRCLEB				THLB3X			
SBEZCIRCLES				THP12BLKBLK			
SBEZCIRCLEW				THP12BLKWHI			
SBEZHCIRCLEB	113	SL240DWBM30					
				TI IDIOCOLIVII II	202	MC2LI2 HALL	227
SBEZHCIRCLES				THP12GOLWHI			
SBEZHCIRCLEW	113	SL240DWBX30	246	THP12SURKITB	296	UNV5D40	330
	113	SL240DWBX30 SL240ZWBM27	246 247	THP12SURKITBTHP12SURKITW	296 296	UNV5D40	330

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UNV5NM40	330	WB/M 02/30 DEGREE	110	WL9418CCS	279
		WB/M BOX			
		WC 5-9			
		WCR 275 BLACK			
		WCR 375 BLACK			
		WL012G30			
		WL012X30			
		WL013G30			
		WL013X30			
		WL014G30			
		WL014X30			
		WL015G30			
		WL015X30			
		WL041 IP WW			
		WL060 NW			
		WL060 WW			
		WL070BNBM27			
		WL070BNBM30			
		WL070BNBM40			
		WL070CNBM27			
		WL070CNBM30			
		WL070RGBW			
		WL070SNBM27			
		WL070SNBM30			
		WL070SNBM40			
		WL0703NBM27			
		WL070ZNBM30			
		WL075BNBM27			
		WL075BNBM30		WLHAETE	340
		WL075BNBM40			
		WL075SNBM27			
		WL075SNBM30			
		WL075SNBM30			
		WL075ZNBM27			
		WL075ZNBM30			
		WL160 27			
WA23049		WL160 NW			
WA23083		WL160 WW			
WA23003		WL220BWBM27			
WA23202		WL220BWBM30			
WA23206		WL220GWBM27			
WA23208		WL220CWBI427			
WA23230		WL220DWBM27			
WA23249		WL220DWBM30			
WA23282		WL220ZWBM27			
WA23283		WL220ZWBM30			
WA23203		WL339WW			
WA23305		WL340AB27			
WA23306		WL340ABWW			
WA23308		WL340WW			
WA23330		WL341NW			
WA23349		WL341WW			
WA23382		WL34227			
WA23383		WL342AB27			
WA23405		WL342AB30			
WA23406		WL342NW			
WA23408		WL342WW			
WA23430		WL9410CCS			
WA23483		WL9410ECS			
		WL9410MCS			
WB/M 01	110	** _/=101103	2/0		

Collingwood Lighting Limited terms and conditions of trading

- Interpretation
 In these Conditions the following words have the following meanings:
 *Buyer' the person(s), firm or company from whom an order to supply Goods is received by the
- "Buyer Materials" any documents or other materials and any data or other information provided
 - "Eduyer Industrials any Cooling by the Buyer relating to the Goods; by the Buyer relating to the Goods;
 "Company" Collingwood Lighting Limited, a company incorporated in England and Wales
 (company number 900626) whose registered office is at Brooklands House, Sywell Aerodrome,
- Company number 900620 whose registered office is at Brooklands House, Sywell Aerodrome, Sywell, Northampton, NN6 OBT.

 "Company Materials" any documents or other materials, and any data or other information provided by the Company relating to the Goods;
 "Conditions" the standard terms and conditions of sale as set out in this document together with any special terms and conditions agreed in writing between the Buyer and the Company.
 "Contract" any contract between the Company and the Buyer for the sale of Goods;
 "Delivery Point" the place where delivery of the Goods is to take place under Condition 4.1;
 "Goods" any goods (or parts thereof) to be supplied to the Buyer by the Company.
 In these Conditions: references to any statute or statutory provision shall, unless the context otherwise requires, be construed as a reference to that statute or statutory provision as from time to time amended, consolidated, modified, extended, re-enacted or replaced; references to the masculine include the feminine and the neuter and to the singular include the plural and vice versa as the context requires; and headings will not affect the construction of these Conditions.

- Application of terms

 These Conditions apply to all the Company's sales of Goods and any variation to these
 Conditions and any representations about the Goods shall have no effect unless expressly
 agreed in writing and signed by a director of the Company.

 No terms or conditions endorsed upon, delivered with or contained in the Buyer's purchase order,
 confirmation of order or other document will form part of the Contract simply as a result of such 2.2
- 2.3
- confirmation of order or other document will form part of the Contract simply as a result of such document being referred to in the Contract.

 Each order for Goods by the Buyer from the Company shall be deemed to be an offer by the Buyer to purchase Goods subject to these Conditions.

 Orders should be in writing, and should state the Buyer's relevant order number. Verbal orders will be accepted but the Buyer will be responsible for any errors of description or quantity or date of delivery in Goods supplied thereunder.

 No order placed by the Buyer shall be deemed to be accepted by the Company until the Company issues a written acknowledgement or (if earlier) the Company delivers the Goods to the Bruyer.
- 2.6 The Buyer must ensure that the terms of any order or related document are complete and
- accurret.

 Unless otherwise stated any quotation is valid for a period of 30 days only from its date, provided that the Company has not previously withdrawn it.

 A credit limit applies to every account and will be disclosed on request or will be automatically disclosed if the Buyer's order would cause the credit limit to be exceeded.

- 3. 3.1 3.2 The asscription of the Goods shall be as set out in the Company's price list.

 All descriptive matter and advertising issued by the Company and any descriptions or illustrations contained in the Company's documentation are issued or published for the sole purpose of giving an approximate idea of the Goods described in them. They will not form part of this Contract.

 The Buyer should always ensure that the Goods ordered are suitable for the intended purpose before commencing installation, bulk production or investment in tooling.
- 3.3

- 4.3
- before commencing installation, bulk production or investment in tooling.

 Delivery

 Unless otherwise agreed in writing by the Company delivery of the Goods shall take place at the address detailed in the Buyer's order.

 Any dates specified by the Company for delivery of the Goods are intended to be an estimate and time for delivery shall not be made of the essence by notice.

 Subject to the other provisions of these Conditions the Company will not be liable for any loss (including loss of profit), costs, damages, charges or expenses caused directly or indirectly by any delay in the delivery of the Goods (even if caused by the Company's negligence), nor will any delay entitle the Buyer to terminate the Contract.

 If for any reason the Buyer will not accept delivery of any of the Goods, or the Company is unable to deliver the Goods on time because the Buyer has not provided appropriate instructions, documents, licences or authorisations: risk in the Goods will pass to the Buyer fincluding loss or damage caused by negligence); the Goods will be deemed to have been delivered; and the Company may store the Goods until delivery whereupon the Buyer will be liable for all related costs and expenses (including without limitation storage and insurance).

 The Buyer will provide at its expense at the Delivery Point adequate and appropriate equipment and manual labour for loading the Goods.

 The Company may deliver the Goods by instalments and each instalment shall be treated as a separate Contract so that failure to deliver or defect in one or more instalment shall not entitle the Buyer to reject the other instalments.
- 4.5
- 4.6

- Non-Delivery
 The quantity of any consignment of Goods as recorded by the Company upon despatch from the Company's place of business shall be conclusive evidence of the quantity received by the Buyer. The Company's shall not be liable for any non-delivery of Goods (even if caused by the Company's negligence) unless written notice is given to the Company within 3 days of the date when the Goods would in the ordinary course of events have been received.

 Any liability of the Company for non-delivery of the Goods shall be limited to replacing the Goods within a reasonable time or issuing a credit note at the pro rata Contract rate against any invoice raised for such Goods.
- 5.3

- within a reasonable time or issuing a credit note at the pro rata Contract rate against any invoice raised for such Goods.

 Risk/Title

 The Goods are at the risk of the Buyer from the time of delivery.

 Ownership of the Goods shall not pass to the Buyer until the Company has received in full (in cash or cleared funds) all sums due to it from the Buyer on any account.

 Until ownership of the Goods has passed to the Buyer, the Buyer must: hold the Goods on a fiduciary basis as the Company's balees; store the Goods (at no cost to the Company) separately from all other goods in such a way that they remain readily identificible as the Gompany's property; not destroy, deface or obscure any identifying mark or packaging on or relating to the Goods, maintain the Goods in satisfactory condition insured on the Company, Bohalf for their full price against all risks to the reasonable satisfaction of the Company, (On request the Buyer shall produce the policy of insurance to the Company and hold the proceeds of the insurance referred to in on trust for the Company and not mix them with any other money, nor pay the proceeds into an overdrawn bank account.)

 The Buyer may resell the Goods before ownership has passed to it on the following conditions: any sale shall be effected in the ordinary course of the Buyer's business at full market value; and any such sale shall be a sale of the Company's property on the Buyer's own behalf and the Buyer shall deal as principal when making such a sale.

 If the Buyer resells any of the Goods on a retail basis it will be responsible for complying with all applicable laws and for the provision of proper labels and instructions as required by the Department of Trade and Industry and/or any other authority for the time being empowered to make any requirements as to the sale or installation of such Goods.

 The Buyer's right to possession of the Goods and instructions or required by the Department of Trade and Industry and/or any other enumeriation are management or composition with his credito 6.3

- 6.5

- 6.8

- **Price**Unless otherwise agreed by the Company in writing (and except in cases of obvious error) the price for the Goods shall be the price set out in the Company's price list as in force at the date of
- 7.2
- invoice. Where the Company and the Buyer agree a discount in respect of the Company's price list any such discount will only apply where confirmed by the Company in writing and where payment is received from the Buyer in full within 14 days of it falling due. If the Buyer is paying for Goods on a "por-forma" basis (whether due to slow payment or otherwise) no discount to the price stated in the Company's price list will apply notwithstanding any prior arrangement to the contrary unless the discount is confirmed by a director of the Company in writing.

 The Company in writing.

 The Company in crease in the cost to the Company which is due to any factor, beyond the control of the Company, any change in delivery dates or quantities specified by the Buyer or any delay caused by the instructions of the Buyer or failure of the Buyer to provide adequate information or instructions.
- The price for the Goods shall be exqlusive of any value added tax which shall be paid at the rate and in the manner for the time being provided by law.

 Carriage will be paid by the Company, on Goods bought in accordance with its current conditions for delivery on the UK mainland. Further charges may apply where alternative delivery terms are
- agreed.

 A handling charge of £5.50 will be added to orders with a Goods value of less than the current minimum order value stipulated by the Company's sales office from time to time. Invoices credited as a result of Buyer error will attract a service charge of 15% if returned within 21 days. Between 22 days and 3 months a charge of 30% will apply. 7.8

- 8. The price for Goods is due within 30 days of the end of the month in which it is invoiced unless specified differently on the invoice. Time for payment shall be of the essence. No payment shall be deemed to have been received until the Company has received cleared.
- 8.2

- funds.

 All payments payable to the Company under the Contract shall become due immediately upon termination of this Contract despite any other provision. The Buyer shall make all payments due under the Contract without any deduction whether by way of set-off, counterclaim, discount, abatement or otherwise unless the Buyer has a valid court order requiring an amount equal to such deduction to be paid by the Company to the Buyer. If the Buyer felist to pay the Company any sum due pursuant to the Contract the Buyer will be liable to pay interest to the Company on such sum from the due date for payment at the annual rate of 5% obove the base lending rate published from time to time by the Bank of England, accruing on a daily basis until payment is made, whether before or after any judgment.

- Quality
 The Company warrants that (subject to the other provisions of these Conditions) upon delivery, the Goods will be of satisfactory quality within the meaning of the Sale of Goods Act 1979.
 The Company shall not be liable for a breach of the warranty in Condition 9.1 unless: the Buyer gives written notice of the defect to the Company, and (if the defect is as a result of damage in transit) to the carrier, within 14 days of delivery; and the Company is given a reasonable opportunity after receiving the notice of examining such Goods and the Buyer (if asked to do so by the Company) returns such Goods to the Company's place of business at the Buyer's expense for the examination to take place.
- for the examination to take place.

 The Company shall not be liable for a breach of the warranty in Condition 9.1 if the Buyer makes any further use of such Goods after giving such notice; or the defect arises because the Buyer failed to follow the Company's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the Goods or lift there are none) good trade practice; or the Buyer alters or repairs such Goods without the written consent of the Company. Subject to Conditions 92 and 93, if rany of the Goods do not conform with the warranty in Condition 91 the Company shall at its option repair or replace such Goods (or the defective part) or refund the price of such Goods at the pro rata Contract rate provided that, if the Company so requests, the Buyer shall, at the Buyer's expense, return the Goods or the part of such Goods within its defective that for Company.

- so requests, the buyer stall, at the buyer's expense, return the boods of the part of such boods which is defective to the Company.

 If the Company complies with Condition 9.4 it shall have no further liability for a breach of the warranty in Condition 9.1 in respect of such Goods.

 Where a defect is discovered the Buyer will inform the Company immediately notwithstanding the expiry of the warranty period in Condition 9.2.

Limitation of liability (the buyer's attention is drawn to the provisions of this condition)

- Subject to Condition 9, the following provisions of this Condition 10 set out the entire financial liability of the Company (including any liability for the acts or omissions of its employees, agents and sub-contractors) in respect of any precedend of these Conditions and any representation, statement or tortious act or omission including negligence arising under or in connection with the
- 10.2

- Contract.

 All terms implied by statute or common law (save for the conditions implied by section 12 of the Sale of Goods Act 1979) are, to the fullest extent permitted by law, excluded from the Contract. Nothing in these Conditions excludes or limits the liability of the Company for death or personal injury caused by the Company's negligence or for fraudulent misrepresentation. Subject to Conditions 10.2 and 10.3: the Company's total liability in contract, tort (including negligence or breach of statutory duty), misrepresentation or otherwise, arising in connection with the performance or contemplated performance of this Contract shall be limited to the price paid by the Buyer; and the Company shall not be liable to the Buyer for any indirect or consequential loss or damage (whether for loss of profit), loss of business, depletion of goodwill or otherwise), costs, expenses or other claims for consequential compensation (howsoever caused) which arise out of or in connection with the Goods.

 The Buyer warrants that any installation of the Goods will be performed by properly trained staff and agrees that it shall be solely responsible for any use to which the Goods are put after delivery.

Intellectual property
The property and any copyright or other intellectual property rights in any Buyer Materials shall belong to the Buyer and any Company Materials shall, unless otherwise agreed in writing between the Buyer and the Company, belong to the Company, subject only to a licence in favour of the Buyer to use the Company Materials for the purposes of receiving the Goods.

Force majeure
The Company reserves the right to defer the date of delivery or to cancel the Contract or reduce the valume of the Goods ordered by the Buyer (without fiability to the Buyer) if it is prevented from or delayed in the carrying on of its business due to circumstances beyond the reasonable control of the Company including, without limitation, acts of God, governmental actions, war or national emergency, riot, civil commonion, fire, supplicion, flood, epidemic, lock-outs, strikes or other labour disputes (whether or not relating to either party's workforce), or restraints or delays affecting carriers or inability or delay in obtaining supplies of adequate or suitable materials.

- General
 Each right or remedy of the Company under the Contract is without prejudice to any other right or remedy of the Company whiether under the Contract or not.

 If any provision or part of a provision of the Contract is found by any court or other body of competent jurisdiction to be illegal, involid void, voidable, unenforceable or unreasonable it shall be deemed severable and the remaining provisions of the Contract and the remainder of such provision shall continue in full force and effect.

 Failure or delay by the Company in enforcing or partially enforcing any provision of the Contract will not be construed as a waiver of any of its rights under the Contract. Any waiver by the Company of any breach of, or any default under, any provision of the Contract by the Buyer will not be deemed a waiver of any subsequent breach or default and will lin no way affect the other terms of the Contract.

 The parties to this Contract do not intend that any term of this Contract will be enforceable by 13.3
- terms or the Contract. The parties to this Contract will be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person that is not a party to it. The Buyer shall not be entitled to assign the Contract or any part of it without the prior written consent of the Company. The Company may assign the Contract or any part of it to any person,
- The formation, existence, construction, performance, validity and all aspects of the Contract shall be governed by English law and the parties submit to the exclusive jurisdiction of the English

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