collingwood

Commercial & Industrial 2025

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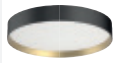
Nova 450mm Black		NVB45DS	62
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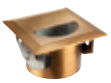
WL342 Antique brass		WL342AB27 WL342AB30	**271**
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Why choose Collingwood?

Commercial and industrial products have been carefully designed to be ultra efficient so the user benefits from a reduced energy usage and fast return on investment. Many of our backed with up to 7 year guarantees and are serviceable, even upgradeable in some cases to provide that extra peace of mind.

Designed for contractors

Our UK based R&D team take great care during the development process to keep things simple and ensure a great experience for the installer.

- Plug-in kits enable you to convert a standard on-off luminaire to provide automated control.
- Fast & Simple, our products are supplied with everything you need 'out of the box' to reduce install time.
- Technical support available at the end of a phone, to guide you through any questions you may have.

Superior lit environments

Our design team specialises in creating lighting solutions that are not only visually effective but also meets CIBSE standards, ensuring both functionality and compliance with industry guidelines. Layering light to create different moods and zones within a space is a key element in making professional environments both productive and aesthetically pleasing.

- Working evironment compliance
- Better working environment
- Happier work force
- More productive work force

Eco-friendly

LED lights have a positive impact on the environment. A 100W high bay can be equivalent to a 400W traditional alternative. A Watt of energy saved is the same as a Watt of energy made, saving power means that we don’t have to burn as many fossil fuels in power production.

These products will be often used in environments that need 24/7 lighting, like distribution centres. The long LED lifetime means that they will continue to perform as well on day one as up to 5 years and beyond in the future.

Failing lights in commercial and industrial environments often means that work has to stop and areas shut down until a replacement is fitted.

The gear involved in replacing or re-lamping some of these fittings is substantial, like cherry pickers, and can’t be done instantly. LED lighting gives you peace of mind that your operation will continue to function day and night.

Superior money savings

We have market leading efficacies, which means that even when compared to other LED products in the market, the Collingwood solution is a superior option. The commercial and industrial fittings have energy technology list certification, so they can be used to claim Enhanced Capital Allowance.

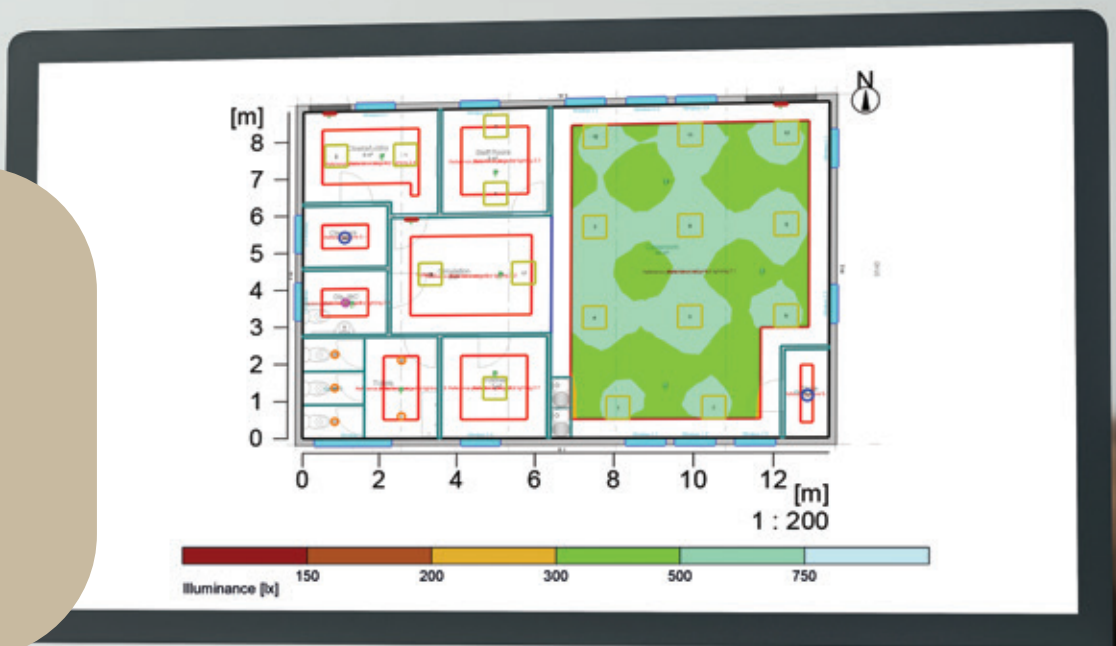
Cost saving on an average Industrial project:

Payback period (Months)**: 16.1**

Carbon savings per year (Tonnes)**: 23.6**

3D
Designs

2D
lux Designs



Lighting design service

Our team of professional lighting designers are accredited LIA certified designers have decades of experience, providing bespoke lighting design solutions for our stockists and end contractors. We pride ourselves on providing a quality hassle free service, delivering quality, compliant, energy saving solutions on time.

We provide lighting designs for all commercial and industrial environments:

- Offices
- Lobbies
- Warehouses
- Loading bays
- Production lines
- Corridors
- Car parks
- Stairwells
- Outdoor spaces
- Education
- Residential

What is included in our service?

Customised design for your needs

Using cutting edge lighting design software, we provide a comprehensive lighting solution specifically tailored to your project.

Compliant lighting solutions

Our lighting design team have decades of experience producing CIBSE compliant lighting solutions.

Single room to entire building designs

We provide a lighting design for anything from a single room, to a more complex project with multiple areas on large infrastructures.

Quick, efficient and on budget

We provide our lighting design solutions in a quick turn around and on budget to give you a hassle free process and peace of mind.

Value engineer

We appreciate the importance of bringing the costs down on a project, which is why we offer a value engineer service as part of our package.

Relux & Dialux

We use Relux and Dialux to ensure our lighting designs have been built using the most effective software possible.

CAD plans

A range of CAD plans are available

Full quote and solution

We provide the complete solution for your project, which includes a full lighting scheme, which products, the quantity of products, the level of illumination, and how it is compliant all in one easy to read pdf.

All you need to do is provide us with a DWG or PDF plan of your project, and from there we can can provide you with a full solution and quote.

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.

Two year on site warranty

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

Warranty registration

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

New Trinity Versa

Trinity Panels elevate the light in your classrooms, offices, and retail spaces with a unique direct/indirect design for soft, low-glare illumination (UGR19). It prioritise safety by offering TP(a) fire escape route suitability, 850-degree glow wire test approval, and optional self-testing emergency lighting. Energy Class B rating, PIR occupancy sensors (sold separately), and wattage switchable (13W to 25W) all help to optimise energy use. Trinity Panels offer DALI-2 or PUSH-DIM driver options, as well as a variety of mounting styles, making them the ideal combination of adaptability, efficiency (up to 156 Lm/W), and style.

Trinity Versa

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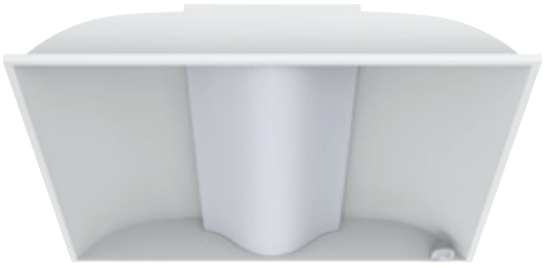

New Linear Prism CSP

Linear Prism brings modern design and efficiency into your space. Switch between warm, neutral, and cool white light (3000K-3500K-4000K) to create the ideal ambiance, while UGR19 compliance ensures minimal glare. Providing exceptional energy savings (up to 130lm/W) and can be mounted individually or connected for continuous runs (up to 20 luminaires with an accessory kit). Choose between on/off and dimmable control options, and add a touch of elegance with optional decorative ceiling rose kits (LCLBS1DCRKIT/LCLW1DCRKIT). It is ideal for offices, retail spaces, and even homes, delivering both style and performance.

Linear Prism

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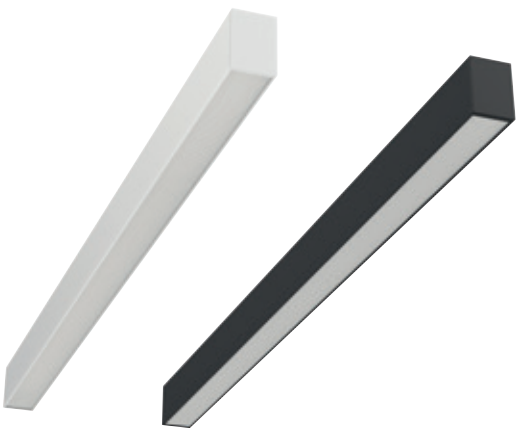

New 3 Circuit Track

Using our 3 Circuit Track elevates your lighting design with a bespoke solution. Ideal for retail and other commercial installations, it allows you to select and install different luminaires to create directional, accent, task or mood lighting. Each track provides power for three luminaires and comes with connectors, end caps and mounting kits. It is a fast and simple way to provide a customisable lighting solution.

3 Circuit Track

Pages 80 - 81

Coming Soon 48V Track

Our 48V Track Lighting System is a versatile and stylish solution for residential and boutique settings. It is designed for recessed ceiling and wall mounting and provides flexible lighting options using energy-efficient LED technology. This CE-certified system operates at a low voltage of 48VDC, ensuring safety and ease of installation. Customise your lighting setup by selecting from an array of track lengths and converter options. With a 3-year warranty, this reliable system is ideal for highlighting artwork, illuminating reading nooks, or creating dramatic ambiance.

New WL95 Versa

WL95 Versa is the ultimate bulkhead, with CCT adjustable from warm 3000K to bright 6000K and wattage options ranging from 5W to 20W, all packed in a slim, impact-resistant (IK09) and weatherproof (IP65) design. Plus with high efficiency of up to 154lm/W. This bulkhead offers easy installation with 4-way conduit entry, detachable terminal block, and tool-less modular design, and is compatible with Versabox plug-and-play kits for ultimate project customization.

WL95 Versa

Pages 114 - 117

New Borealis Versa

Bringing further versatility to the commercial offering at Collingwood, our range of Borealis Versa provides the ultimate batten with a variety of kits, from microwave sensors to manual test emergencies, DALI emergencies, and self-test emergencies. Also available in 0-10V, DALI-2 Dimmable, or On/Off to suit a project. The streamlined linear fixture, available in three lengths, allows you to create a uniform installation of perfectly distributed light. Designed with the installer in mind, this range is quick and easy to fit, keeping use of tools to a minimum. It also provides various wiring options, particularly useful in retrofit applications.

Borealis Versa

Pages 180 - 182

New Rack Bay CSP

Rackbay Low Bay is the ideal lighting solution for warehouse aisles, with a 110×55° beam angle for precise illumination, IK07 impact resistance for durability, and energy-saving options such as PIR, microwave, and daylight control. Available in 1ft, 2ft and 3ft and has a variety of mounting options, compact and lightweight for single-person installation, and provides easy access to the LiFePO4 battery and removable driver for simple maintenance.

Rack Bay

Pages 196 - 197

New GenBay

Gen Bay High Bay is a high-efficiency LED high bay lighting fixture that provides excellent performance and value. With a high efficacy of 135lm/W, it produces excellent light while using very little energy, allowing you to save money. Plus, GenBay is easy to install and maintain due to its compact design and long-lasting construction. It is also compatible with a variety of sensor kits and provides emergency lighting options, making it an adaptable solution for a wide range of commercial and industrial applications.

GenBay

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New Lustre range

Lustre Pendant Range combines contemporary design with classic aesthetics, making it suitable for and hospitality environments. Its distinct retro style seamlessly complements modern interiors, offering versatile options for achieving a cohesive look or adding a touch of vintage flair.

Lustre Ceiling Light is a visually appealing combination of form and function. Its distinctive concentric circle design creates a visually appealing decorative light effect, and its wide 120° beam angle provides ample illumination

Lustre Wall Light Range helps to elevate your interior application with our versatile wall-mounted lighting solution. Plus, with a wide 120° beam angle for broad illumination and through-wiring capabilities for creative installations, these lights provide limitless possibilities.

Lustre range

Pages 67 - 69

New Slim CSP

Slim Bollard is a stylish and long-lasting lighting solution for your outdoor space, available in 300mm and 600mm sizes and Black, Grey, or Corten finishes to match your decor. It's simple to install, with cable entry through the base, an expansion bolt kit, and an IP68 inline connector. With its IP65 weatherproof rating, is ideal for car parks, walkways, and other outdoor environments. It features advanced CSP technology for superior light output, CCT switch capability, and uniform 360° lighting distribution.

Slim CSP
Page 251

Panels

Panels

Trinity

Direct / Indirect UGR19 recessed modular

Wattage switchable

Trinity provides 5 lumen output options within the same SKU so whether you are lighting an office or a corridor, the same product can be used throughout your project.

13W

16W

18W

20W

26W

Quality of light

Efficiency combined with visual comfort ensures a high performance light for your workers, students and retail applications. Direct/Indirect design provides a soft low glare lit effect.

UGR19 compliant low glare

Ultra-efficient up to 156 lumens

TPa

The TPa rating diffuser ensures optimal light distribution and saftey in a space.

Energy rating B

Uses the very latest LED technology to reduce energy costs.

Sensors, Drivers & Emergency

With a full offering of sensors, drivers and emergency packs, Trinity can fullfil your project requirements.

PIR Sensors

With our PIR sensors, you have the flexibility to choose which sensor your require for your project. On/Off, DALI-2, Step-Dim sensor options.

Plug-in Drivers

Offering two types of plug-in drivers, Step-dim (using PWM output) and DALI-2/PUSH-DIM and 0-10V

Emergency options

Convert you product into an emergency option.

LEDEP10 convert panels into emergency self-test & manual test.

LEDEP10EM converts panels into emergency manual test.

LEDEP10DA converts panels into a DALI-2 self-test option

Solis

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 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 TP(a) options. With a high efficacy upto 130lm/W the Solis panels will provide cost and energy savings.

600 x 600mm

1200 x 600mm

1200 x 300mm

Wattage switchable

SolisPro

One light, two or four wattages

Our range of wattage switchable panels allows you to stock Solis Pro - 4 wattage in 1 product

Advantages

- Simpler product range.
- Products can be easily adjusted after they are installed thanks to a convenient switch on driver or product.
- Always have the correct product on hand.

Dimming options

A choice of four dimming options are available, PushDIM, Mains, DALI-2 or 0-10V.

Mains	**Available 30W 600x600, 1200x300 panels using EUP30T1HMC0**
0-10V	**Available on all panels**
DALI-2	**Available on all panels**
PUSH DIM	**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.

UGR16 for office, classroom and retail application

Wattage switchable between 22W, 24W, 25W & 27W

164lm/W Energy efficient up to 164 Llm/W

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

Perfect for office, classroom and retail application

Differentiate the look of your space with a high-quality aesthetic

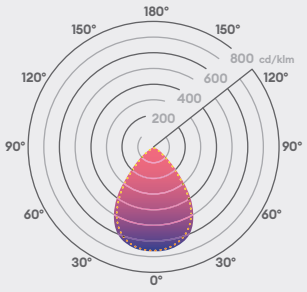
51,000 hours L90 lifetime

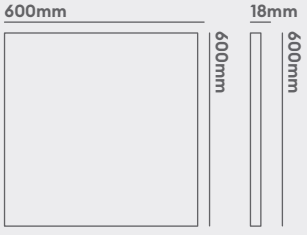
High impact rating of IK08

Security cable supplied

RG0 (Risk Exempt) Photo-biological Risk

Beam angle: 75°





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 AC
LED lifetime	L90 51,000h
CRI	CRI>80
SDCM	SDCM3
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)
Weight	3.38kg
Maximum ambient temperature	-20°C - 40°C
Building regulations	Part P & L
Mounting options	Recessed
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Dimming	Driver required	UGR	TP	∠°	W	CCT	lm	lm/W	Energy
DMB66X4K	Mains	PS6501100MA	16	TP(a)	75°	27W	4000K	4350	161	C
DMB66N4K	Non-dimmable	Driver included	16	TP(a)	75°	22W	4000K	3550	161	C
						24W	4000K	3850	160	C
						25W	4000K	4100	164	C
						27W	4000K	4350	161	C

Energy rating is a reflection of the LED light source.

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	43
EUP30T1HMC0	Driver, 30W Panel, TRIAC Mains Dim	Sold Separately	43
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV	Sold Separately	43
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	DALI-2 Emergency Converter 2.5W	Sold Separately	233

Domino White

Ultra-low Glare 600x600 Architectural Panel

UGR16 for office, classroom and retail application

Wattage switchable between 22W, 24W, 25W & 27W

164lm/W Energy efficient up to 164 Llm/W

Features

IK rating	IK08
IP rating	IP40
CSP switchable	Single CCT
Sensor option	On Request
Dimmable option	No
Input	220-240V AC
LED lifetime	L90 51,000h
CRI	CRI>80
SDCM	SDCM3
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)
Weight	3.38kg
Maximum ambient temperature	-20°C - 40°C
Building regulations	Part P & L
Mounting options	Recessed
Electric class (1, 2, 3)	2

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

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

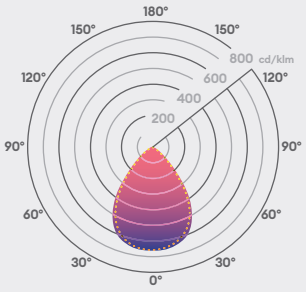
RG0 (Risk Exempt) Photo-biological Risk

Photometrics @ 25°C

Product code	Dimming	Driver required	UGR	TP	∠	W	CCT	lm	lm/W	Energy
DMW66X4K	Mains	PS6501100MA	16	TP(a)	75°	27W	4000K	4350	161	C
DMW66N4K	Non-dimmable	Driver included	16	TP(a)	75°	22W	4000K	3550	161	C
						24W	4000K	3850	160	C
						25W	4000K	4100	164	C
						27W	4000K	4350	161	C

Energy rating is a reflection of the LED light source.

Beam angle: 75°

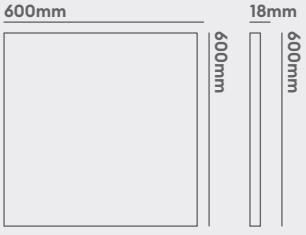


Wiring information

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	43
EUP30T1HMC0	Driver, 30W Panel, TRIAC Mains Dim	Sold Separately	43
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV	Sold Separately	43
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	DALI-2 Emergency Converter 2.5W	Sold Separately	233



UGR19

UGR19

Wattage switchable from 13W to 26W

Ultra-efficient up to 156 Llm/W

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

Suitable for classroom, office and retail applications

Direct/Indirect design provides a soft low glare lit effect

TP(a) rated diffuser and 850-deg glow wire test approval, makes the product to be suitable for use in fire escape routes

Plug-in PIR accessory to keep the light OFF when no-one is present

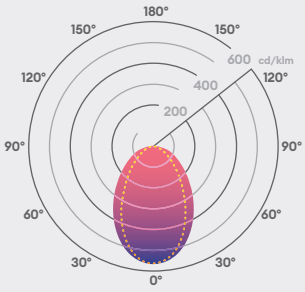
Energy class B rating

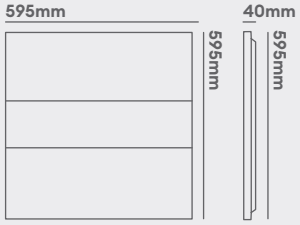
DALI-2 and PUSH-DIM driver options

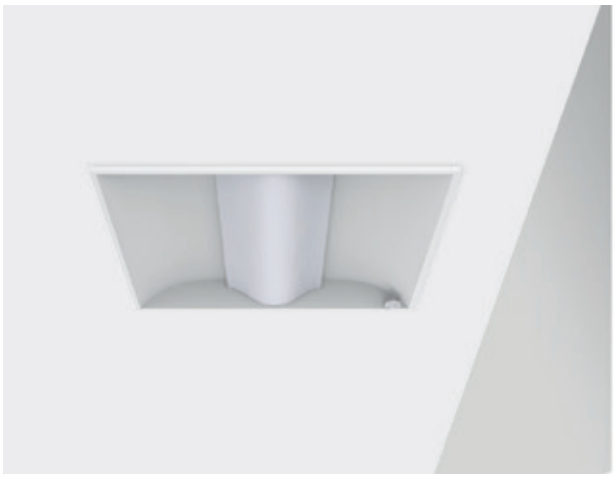
Lay-in, pull-up into (up to 40mm) ceiling depths using TRIKITPULL

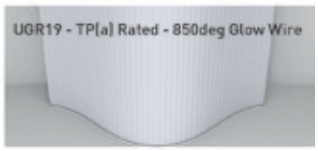
Manual-test, self-test and DALI-2 test emergency options

Beam angle: 80°









Trinity Versa 600x600

Direct/Indirect UGR19 Recessed Modular

Features

IK rating	IK07
IP rating	IP20
CSP switchable	Single CCT
Sensor option	Plug-in PIR
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V AC
LED lifetime	L80 50,000h
CRI	CRI>80
SDCM	SDCM4
Emergency option	Yes, Manual, Self and DALI-2 Test

Installation information

Install connector type	Easy-fit connector
Insulation coverable	Steel Housing, Prismatic Diffuser, TP(a) Rated
Bathroom zone	N/A
Inrush current	13.8A 0.16ms
Construction material	Steel Housing, Prismatic Diffuser, TP(a) Rated
TP rating	TP(a)
Weight	3.8kg
Maximum ambient temperature	-20°C - 40°C
Building regulations	Part P & L
Mounting options	Ceiling
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠	lm	lm/W	Energy
TRI66N40	On-Off	Mains	13W	4000K	80°	1900	146	
			16W	4000K	80°	2500	156	
			18W	4000K	80°	2800	156	A B
			20W	4000K	80°	3100	155	
			26W	4000K	80°	3700	142	
TRI66X40	Driver excluded	Select Driver	13W	4000K	80°	1900	146	
			16W	4000K	80°	2500	156	
			18W	4000K	80°	2700	156	A B
			20W	4000K	80°	3100	155	
			26W	4000K	80°	3900	142	

Energy rating is a reflection of the LED light source.

Wiring information

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

Accessories

LEDEP10EM	Manual-test emergency converter	Sold Separately	231
LEDEP10	Manual & Self-test switchable emergency converter	Sold Separately	232
LEDEP10DA	DALI-2 emergency converter (use with driver TRISDIMDRV)	Sold Separately	233
TRIONOFFPIR	PIR on-off sensor including Easy-Fit Connector	Sold Separately	37
TRISDIMPIR	Step-dim sensor (requires TRISDIMDRV)	Sold Separately	37
TRIDALIPIR	DALI 2 PIR Sensor (Requires TRIDALIDRV)	Sold Separately	37
TRIREMOTE	Remote controller for programming TRIONOFFPIR & TRISDIMPIR	Sold Separately	37

Trinity Versa accessories

Meet your project requirements

Optional PIR sensor, driver and emergency accessories combine excellence and unrivalled cost savings. The emergency pack turns your Trinity Versa into an emergency version.

Use the tables below to choose the perfect kit for your installation

	TRIONOFFPIR	TRISDIMPIR	TRISDIMDRV	TRIREMOTE (remote)	TRIDALIPIR	TRIDALIDRV	TRIKITPULL
Accessory on its own							
Accessory on product			-	-		-	

Product codes

Product Code	Description	Guarantee
TRIONOFFPIR	On/Off PIR sensor (adjustable time delay, sensitivity, day light switching)	5 years
TRISDIMPIR	Step-dim PIR sensor (to 10% or 30% when absence is detected, adjustable time delay, sensitivity, day light switching) (Requires TRIDIMDRV)	5 years
TRISDIMDRV	Step-dim plug-in driver (using PWM output)	5 years
TRIREMOTE	Remote controller (for use with **TRIONOFFPIR** & **TRISDIMPIR**) (Requires 2 x AAA batteries, not included)	5 years
TRIDALIPIR	DALI-2 PIR sensor (Requires TRIDALIDRV)	5 years
TRIDALIDRV	DALI-2/PUSH-DIM/0-10V plug-in driver	5 years
TRIKITPULL	Pull-up mounting kit for concealed ceiling grids	5 years
LEDEP10DA	Emergency pack for converting panel into DALI emergency self-test option	5 year extended guarantee
LEDEP10	Emergency pack for converting Trinity Versa into emergency self-test & manual test switchable option	5 year extended guarantee
LEDEP10EM	Emergency pack for converting Trinity Versa into emergency manual-test option	5 year extended guarantee

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

Panels

Low UGR with UGR19 available

Wattage switchable between 22W, 24W, 26W & 28W

Energy rating B up to 160 Llm/W

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

Emergency option is available with LEDEP10

IP44 rated allows the product to be used in a wide range of applications

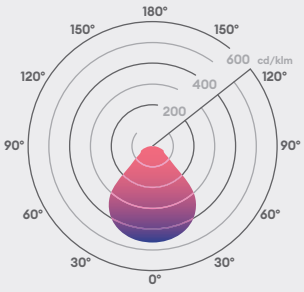
TP(a) rated diffuser enables use in escape routes

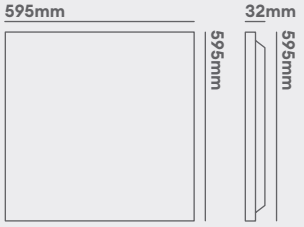
850-degrees glow wire test passed

Can be recessed or surface mounted and includes safety cable

RG0 (Risk Exempt) Photo-biological Risk

Beam angle: 90°





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 AC
LED lifetime	L80 54,000h
CRI	CRI>80
SDCM	SDCM4
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 - 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	CCT	lm	lm/W	Energy
SOLP66X4K	Mains	PS6501100MA	19	TP(a)	90°	28W	4000K	4480	160	B
SOLP66N4K	Non-dimmable	Driver included	19	TP(a)	90°	22W	4000K	3520	160	B
						24W	4000K	3840	160	B
						26W	4000K	4160	160	B
						28W	4000K	4480	160	B

Energy rating is a reflection of the LED light source.

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	43
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV Forward voltage range from 9 to 52Vdc	Sold Separately	43
EUP30T1HMC0	Driver, 30W Panel, TRIAC Mains Dim	Sold Separately	43
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	Emergency converter, DALI Addressable	Sold Separately	233
Salvus Route	High Performance Emergency Spot	Sold Separately	229
P2SMA	Surface mount kit for 600 x 600 LED Panel.	Sold Separately	43

Solis IP65

600 x 600 IP65 LED panel

IP65 from below for a high level of dust & water protection

Supplied with T connector for fast installation

EM! Manual test emergency option is available with LEDEP10EM

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 AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM4
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 - 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	CCT	∠°	lm	lm/W	Energy
SOLIP66N4K	Non-dimmable	Driver included	22	TP(a)	40W	4000K	110°	4500	113	B

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

LEDEP10	Emergency converter IP20, Self-test, 220lm	Sold Separately	232
LEDEP10EM	Emergency converter IP20, Manual-test, 220lm	Sold Separately	231
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately	233
EMBMAX	High Output Emergency IP66 Bulkhead	Sold Separately	226
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) lm	Sold Separately	229
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV Forward voltage range from 9 to 52Vdc	Sold Separately	43
P2SMA	Surface mount kit for 600 x 600 LED Panel.	Sold Separately	43

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

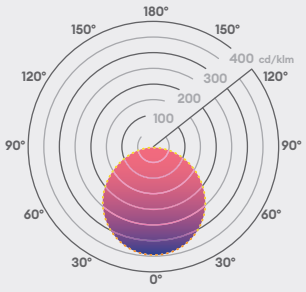
Self test emergency option is available with LEDEP10

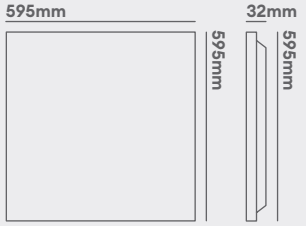
DALI addressable emergency option is available with LEDEP09DA

DALI and PUSH-DIM option is available with driver PS250 1100MA

RG0 causing no photo-biological risks

Beam angle: 110°





Low UGR with UGR19 available

Dimmable with TRIAC mains, Push-Dim, DALI 2 & 0-10V

Emergency option is available with LEDEP10

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

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 3.0m x 2.4m distance spacings

Supplied with a quick-fit connector for fast installation

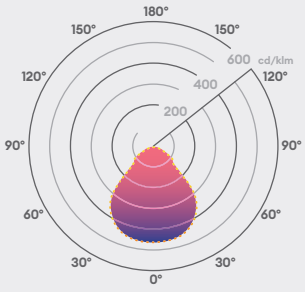
Compatible with emergency kit designed for a quick conversion

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 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 AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM4
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 - 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	CCT	∠°	lm	lm/W	Energy
P2C19S60WA	Non-dimmable	Driver included	19	TP(a)	60W	4000K	90°	6600	110	D
P2C19X60WA	DALI-2 / 0-10V / Push-Dim	TR28000677	19	TP(a)	60W	4000K	90°	6600	110	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

TR28000677	SOLIS Driver, 60W Panel, DALI-2, DSI, switchDIM	Sold Separately	43
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV Forward voltage range from 9 to 52Vdc	Sold Separately	43
P2SMC	Surface mount kit for 1200 x 600 LED Panel.	Sold Separately	43
LEDEP10	3hr non-maintained self-test emergency pack	Sold Separately	232
P2SMC	Surface mount kit for 1200 x 600 LED Panel.	Sold Separately	43
CONA43	SOLIS Panel Easy Fit Connector 4-3 Pole	Sold Separately	

Solis 1200 x 300

1200 x 300 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 AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM4
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 - 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	CCT	∠°	lm	lm/W	Energy
P2B16S30WA	Non-dimmable	Driver included	16	TP(a)	30W	4000K	90°	3450	115	D
P2B16X30WA	Mains / DALI-2 / 0-10V / Push-Dim	Mains: EUP30T1HMC0 DALI-2/1-10V: PS6501100MA	16	TP(a)	30W	4000K	90°	3450	115	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

LEDEP10	3hr non-maintained self-test emergency pack	Sold Separately	232
P2SMB	Surface mount kit for 1200 x 300 LED Panel.	Sold Separately	43
P1SK	Suspension Kit for 600 x 600 & 1200 x 300 Panels.	Sold Separately	43
PS6501100MA	DALI-2 / 0-10V / PUSH-DIM	Sold Separately	43
EUP30T1HMC0	TRIAC Mains Dim	Sold Separately	43
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	43

Low UGR with UGR16 available

Dimmable with TRIAC mains, Push-Dim, DALI 2 & 0-10V

Emergency option is available with LEDEP10

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

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 3.0m x 2.4m distance spacings

Supplied with a quick-fit connector for fast installation

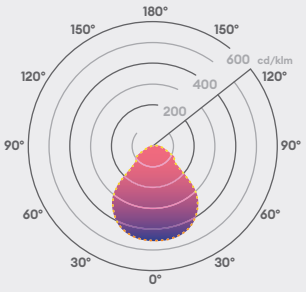
Compatible with emergency kit designed for a quick conversion

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°



Low UGR with UGR16 available

DALI-2, Push-Dim, & 0-10V options are available

Emergency option is available with LEDEP10

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

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 3.0m x 2.4m distance spacings

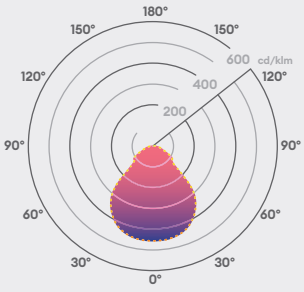
Supplied with a quick-fit connector for fast installation

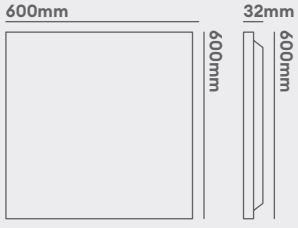
Back-lit design for efficient performance and improved robustness during transit

TP(a) rated diffuser and 850-deg glow wire test approval, makes the product to be suitable for use in fire escape routes

Supplied with 1m long safety steel cable

Beam angle: 90°





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 AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM4
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 - 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	CCT	∠°	lm	lm/W	Energy
P2A16S30WA	Non-dimmable	Driver included	16	TP(a)	30W	4000K	90°	3450	115	D
P2A16X30WA	Mains	Mains: EUP30T1HMC0 DALI-2/1-10V: PS6501100MA	16	TP(a)	30W	4000K	90°	3450	115	D
P2A19S40WA	Non-dimmable	Driver included	19	TP(a)	40W	4000K	90°	4600	115	D
P2A19X40WA	Mains	PS6501100MA	19	TP(a)	40W	4000K	90°	4600	115	D
P5A19S30WA	Non-dimmable	Driver included	19	TP(a)	30W	5000K	90°	3450	115	D
P5A19X30WA	Mains	PS6501100MA	19	TP(a)	30W	5000K	90°	3450	115	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

PS6501100MA	Driver, DALI-2, 0-10V, Push-Dim	Sold Separately	43
DRV3001050	42W CC Driver, IP20, 300-1050mA, Class II SELV Forward voltage range from 9 to 52Vdc	Sold Separately	43
LEDEP10	Emergency converter, Self-test, maintained	Sold Separately	232
LEDEP10DA	Emergency converter, DALI Addressable	Sold Separately	233
EMRWMAN	Salvus Route White, Manual Test, Open Corridor Lens	Sold Separately	229
P2SMA	Surface mount kit for 600 x 600 LED Panel.	Sold Separately	43
P1SK	Suspension Kit for 600 x 600 & 1200 x 300 Panels.	Sold Separately	43

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

	Use with 600 x 600mm panels	Use with 1200 x 300mm panels	Use with 1200 x 600mm panels
Surface mount kit	P2SMA	P2SMB	P2SMC
Suspension mount kit	P1SK	P1SK	-

Drivers & Emergency packs	PS6501100MA	EUP30T1HMC0	TR28000677	DRV3001050	LEDEP10DA	LEDEP10	LEDEP10EM

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
P1SK	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
PS6501100MA	Panel power supply, IP20, 40W, 750mA, DALI, 1-10V, Push-Dim	5 years
EUP30T1HMC0	Panel power supply, IP20, 30W, 750mA, Mains Dimmable	3 Years
TR28000677	Panel power supply, IP20, 60W, 1500mA, DALI 2, Push-Dim	5 years
LEDEP10DA	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 38	**Solis IP65** Page39	**Solis 600x600** Page 42	**Solis 1200x300** Page 41	**Solis 1200x600** Page 40
P2SMA	●	●	●		
P2SMB				●	
P2SMC					●
P1SK	●	●	●	●	
DRV3001050	●	●	●	●	●
PS6501100MA	●	●	●	●	
EUP30T1HMC0	●		●	●	
TR28000677					●
LEDEP10DA	●	●	●	●	●
LEDEP10	●	●	●	●	●
LEDEP10EM	●	●	●	●	●

Surface & Suspended

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 / Prism)

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.

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

Designed to have a shallow depth for an architectural look.

38mm — **Versa Tile** Shallow depth of 38mm

50mm — **Linear Cell / Prism** Shallow width of 50mm

Wattage & CCT switchable

Linear Cell: Wattage switchable via the driver.
Linear Prism: Wattage switchable via the back of the product

Both Products are colour switchble via switch on the back of the product.

DALI-2

Linear Cell & Prism are both DALI-2 / PUSH-DIM as standard.
Emergency options available, Self-test or DALI-2 addressable.

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

Low output

Mid output

High output

Highest output

Microwave

Uniform Versa
Microwave sensor on/off plug-in option
Uniform **PIR on/off Bolt-on**

Emergency

Uniform Versa
Manual-test, Self-test & DALI-2 test
Uniform **- Self-test**

Dimming options

DALI-2 PUSH DIM

DALI-2 & PUSH DIM options

Choice of form

Choose the shape of fitting that is ideal for the environment it is going into.

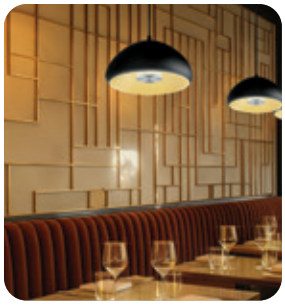
Linear fittings

Perfect for matching up to the building architecture of the windows and furniture.

Uniform | Versa Tile | Linear Cell | Linear Prisim

Circular fittings

Creates a more informal look which is comfortable to work, relax or socialise under.



Nova, Astra & Lustre

Lustre

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), 2 years (on-site)

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

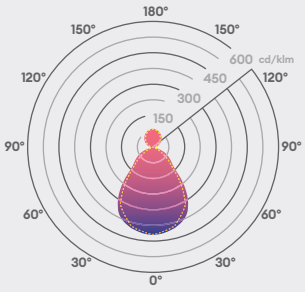
Configurable using our unique VERSABox design to realise a range of lumen output, driver and sensor options

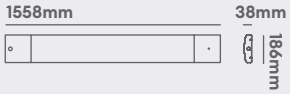
DALI-2 driver is switchable to enable lower lumen outputs

Supplied with suspension kit

DALI Dimmable Fitting with on-off PIR Sense

Beam angle: 80





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 AC
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
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 - 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	CCT	∠°	lm	lm/W	EM	Energy
VTB1N	Standard	45W	4000K	80	4500	100	-	D
VTB1NEM	Emergency	45W	4000K	80	4500	100	215	D
VTB1NP	PIR sensor	45W	4000K	80	4500	100	-	D
VTB1NPEM	Emergency	45W	4000K	80	4500	100	215	D
VTB1D	DALI-2 dimmable	45W	4000K	80	4500	100	-	D
VTB1DEM	Emergency DALI-2 dimmable	45W	4000K	80	4500	100	215	D
VTB1DP	DALI-2 Dimmable with On-Off PIR Sensor	45W	4000K	80	4500	100	-	D
VTB1DPEM	Emergency DALI-2 Dimmable with On-Off PIR Sensor	45W	4000K	80	4500	100	215	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm²
Type of wiring required	Parallel

Accessories

VTBWALL	Black Wall Mount Kit	Sold Separately
VTBCON	Black Connect Joint Kit	Sold Separately

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), 2 years (on-site)

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

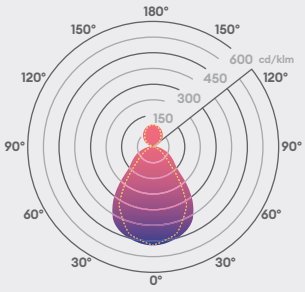
Configurable using our unique VERSABox design to realise a range of lumen output, driver and sensor options

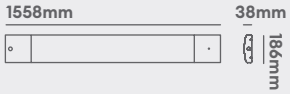
DALI-2 driver is switchable to enable lower lumen outputs

Supplied with suspension kit

DALI Dimmable Fitting with on-off PIR Sense

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 AC
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
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 - 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	CCT	∠°	lm	lm/W	EM	Energy
VTS1N	Standard	45W	4000K	80	5000	110	-	D
VTS1NEM	Emergency	45W	4000K	80	5000	110	240	D
VTS1NP	PIR sensor	45W	4000K	80	5000	110	-	D
VTS1NPEM	Emergency	45W	4000K	80	5000	110	240	D
VTS1D	DALI-2 dimmable	45W	4000K	80	5000	110	-	D
VTS1DEM	Emergency DALI-2 dimmable	45W	4000K	80	5000	110	240	D
VTS1DP	DALI-2 Dimmable with On-Off PIR Sensor	45W	4000K	80	5000	110	-	D
VTS1DPEM	Emergency DALI-2 Dimmable with On-Off PIR Sensor	45W	4000K	80	5000	110	240	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm²
Type of wiring required	Parallel

Accessories

VTSWALL	Silver Wall Mount Kit	Sold Separately
VTSCON	Silver Connect Joint Kit	Sold Separately

Versa Tile White 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 AC
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
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 - 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	CCT	∠°	lm	lm/W	EM	Energy
VTW1N	Standard	45W	4000K	80	5500	120	-	D
VTW1NEM	Emergency	45W	4000K	80	5500	120	260	D
VTW1NP	PIR sensor	45W	4000K	80	5500	120	-	D
VTW1NPEM	Emergency	45W	4000K	80	5500	120	260	D
VTW1D	DALI-2 dimmable	45W	4000K	80	5500	120	-	D
VTW1DEM	Emergency DALI-2 dimmable	45W	4000K	80	5500	120	260	D
VTW1DP	DALI-2 Dimmable with On-Off PIR Sensor	45W	4000K	80	5500	120	-	D
VTW1DPEM	Emergency DALI-2 Dimmable with On-Off PIR Sensor	45W	4000K	80	5500	120	260	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm²
Type of wiring required	Parallel

Accessories

VTWWALL	White Wall Mount Kit	Sold Separately
VTWCON	White Connect Joint Kit	Sold Separately

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), 2 years (on-site)

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

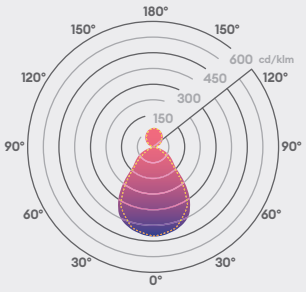
Configurable using our unique VERSABox design to realise a range of lumen output, driver and sensor options

DALI-2 driver is switchable to enable lower lumen outputs

Supplied with suspension kit

DALI Dimmable Fitting with on-off PIR Sense

Beam angle: 80



Surface & Suspended

Wattage Switchable between 21W to 32W

Colour Switchable between 3000K-3500K-4000K

Energy efficient up to 130Llm/W

Guarantee

5 years (product), 5 years (emerg battery), 2 years (on-site)

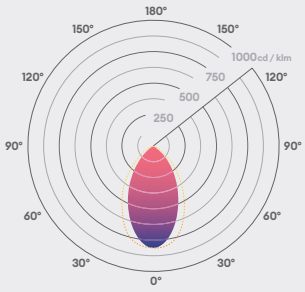
Features & benefits

Dimmable as standard

Must be sold with either accessory LCLBS1DCRKIT=Black / LCLW1DCRKIT=White to provide a decorative ceiling rose for the power cable

Install as an individual luminaire or create a continuous run lightline (up to 20 luminaires) using accessory LCLCONKIT

Beam angle: 67°



Linear Prism Black

Wattage & Colour Switchable Light Line

Features

IK rating	IK02
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	No
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V AC
LED lifetime	L90 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Self-Test

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Inrush current	10A 0.088ms
Construction material	Aluminium housing, Prismatic Diffuser
Weight	1.5kg
Maximum ambient temperature	-20°C - 50°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	∠	lm	lm/W	EM	Energy
LPLB1D	DALI-2 dimmable	Matt black RAL9017	21W	3000K	67°	1950	110	-	
				3500K	67°	2050	115	-	C
				4000K	67°	2000	110	-	
			32W	3000K	67°	3100	110	-	
				3500K	67°	3500	115	-	C
				4000K	67°	3300	110	-	
LPLB1DES	DALI-2 Self-Test Emergency	Matt black RAL9017	21W	3000K	67°	1950	110	250	
				3500K	67°	2050	115	250	C
				4000K	67°	2000	110	250	
			32W	3000K	67°	3100	110	250	
				3500K	67°	3500	115	250	C
				4000K	67°	3300	110	250	

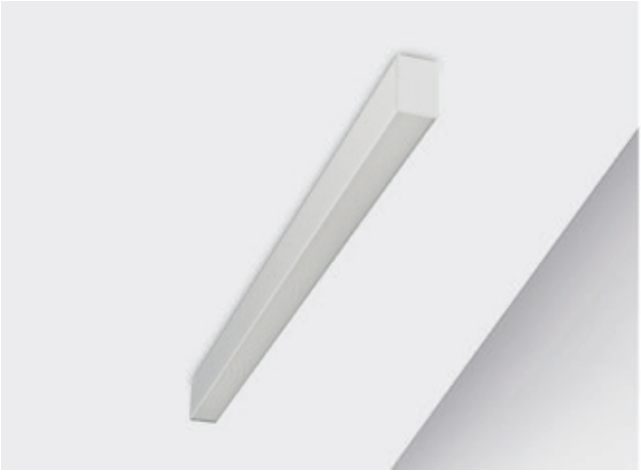
Energy rating is a reflection of the LED light source.

Wiring information

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

Accessories

LCLBS1DCRKIT	Black Ceiling Rose Kit, DALI/Push	Sold Separately
LCLW1DCRKIT	White Ceiling Rose Kit, DALI/Push	Sold Separately
LCLCONKIT	Light Line Connect Kit	Sold Separately



Linear Prism White

Wattage & Colour Switchable Light Line

Features

IK rating	IK02
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	No
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V AC
LED lifetime	L90 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Self-Test

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Inrush current	10A 0.088ms
Construction material	Aluminium housing, Prismatic Diffuser
Weight	1.5kg
Maximum ambient temperature	-20°C - 50°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	∠°	lm	lm/W	EM	Energy
LPLW1D	DALI-2 dimmable	White RAL9003	21W	3000K	67°	2450	125	-	
				3500K	67°	2550	130	-	
				4000K	67°	2500	125	-	
			32W	3000K	67°	3600	125	-	
				3500K	67°	4000	130	-	
				4000K	67°	3800	125	-	
LPLW1DES	DALI-2 Self-Test Emergency	White RAL9003	21W	3000K	67°	2450	125	250	
				3500K	67°	2550	130	250	
				4000K	67°	2500	125	250	
			32W	3000K	67°	3600	125	250	
				3500K	67°	4000	130	250	
				4000K	67°	3800	125	250	

Energy rating is a reflection of the LED light source.

Wiring information

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

Accessories

LCLW1DCRKIT	White Ceiling Rose Kit, DALI/Push	Sold Separately
LCLBS1DCRKIT	Black Ceiling Rose Kit, DALI/Push	Sold Separately
LCLCONKIT	Light Line Connect Kit	Sold Separately

Wattage Switchable between 21W to 32W

Colour Switchable between 3000K-3500K-4000K

Energy efficient up to 130Llm/W

Guarantee

5 years (product), 5 years (emerg battery), 2 years (on-site)

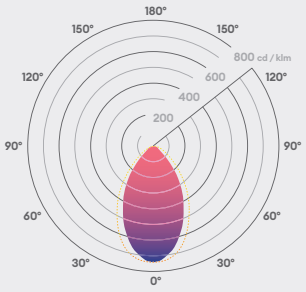
Features & benefits

Dimmable as standard

Must be sold with either accessory LCLBS1DCRKIT=Black / LCLW1DCRKIT=White to provide a decorative ceiling rose for the power cable

Install as an individual luminaire or create a continuous run lightline (up to 20 luminaires) using accessory LCLCONKIT

Beam angle: 67°



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, PUSH-DIM)
Input	220-240V AC
LED lifetime	L80 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Self-Test

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 - 50°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	∠°	lm	lm/W	EM	Energy
LCLBS1D	DALI-2 dimmable	Matt black RAL9017	38W	3000K	70°	4600	120	-	
				3500K	70°	5000	130	-	
				4000K	70°	4800	126	-	
LCLBS1DEM	Emergency DALI-2 dimmable	Matt black RAL9017	38W	3000K	70°	4600	120	300	
				3500K	70°	5000	130	325	
				4000K	70°	4800	126	315	
LCLW1D	DALI-2 dimmable	White RAL9003	38W	3000K	75°	4600	120	-	
				3500K	75°	5000	130	-	
				4000K	75°	4800	126	-	
LCLW1DEM	Emergency DALI-2 dimmable	White RAL9003	38W	3000K	75°	4600	120	300	
				3500K	75°	5000	130	325	
				4000K	75°	4800	126	315	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm²
Type of wiring required	Parallel

Accessories

LCLBS1DCRKIT	Black Ceiling Rose Kit, DALI/Push	Sold Separately
LCLW1DCRKIT	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), 2 years (on-site)

Features & benefits

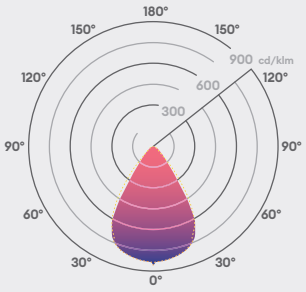
On-Off or Dimmable as standard

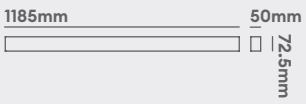
Must be sold with either accessory LCLBS1DCRKIT=Black / LCLW1DCRKIT=White to provide a decorative ceiling rose for the power cable

Install as an individual luminaire or create a continuous run lightline (up to 20 luminaires) using accessory LCLCONKIT

DALI-2 driver is switchable to enable lower lumen outputs

Beam angle: 70°





Wattage switchable 30W, 35W, 40W & 45W, 4500lm to 6750lm

Ultra-efficient up to 150 Llm/W

UGR19 compliant low glare lighting

Guarantee

7 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

Outstanding uniform lit effect

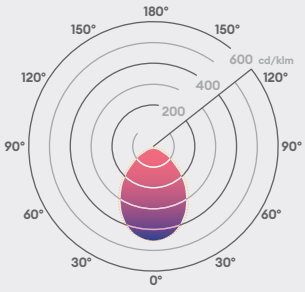
70,000 hours L80 lifetime

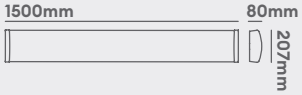
RG0 (Risk Exempt) Photo-biological Risk

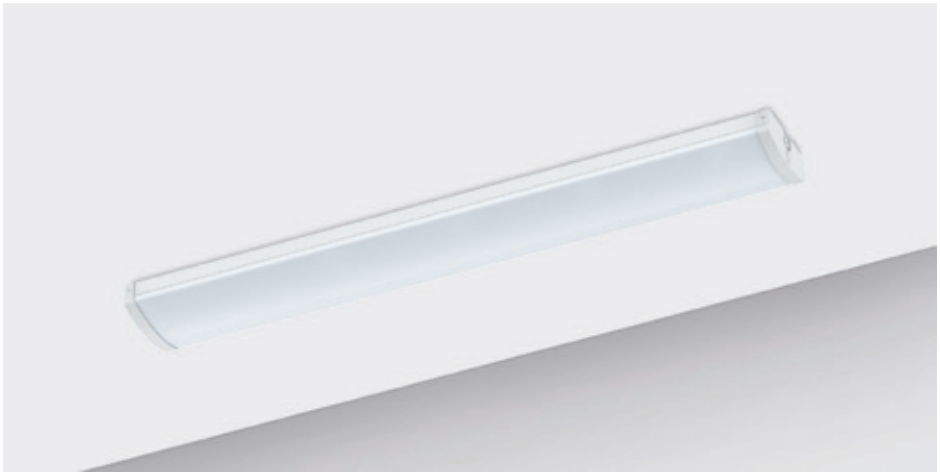
Versabox plug and play kit range to accommodate project requirements

Suspension kit available (UNLSUS2M)

Beam angle: 80°







Uniform Versa 5ft 1500mm

Wattage Switchable UGR19 Linear with plug-in Versabox accessories

Features

IK rating	IK06
IP rating	IP44
CSP switchable	Single CCT
Sensor option	Versabox, see accessories
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V AC
LED lifetime	L80 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Manual, Self and DALI-2 Test

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 - 40°C
SELV	No
Building regulations	Part P & L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠	lm	Llm/W	EM	Energy
UNV5N40	Standard non-dimmable	30W	4000K	80°	4500	150	-	
		35W	4000K	80°	5250	150	-	
		40W	4000K	80°	6000	150	-	
		45W	4000K	80°	6750	150	-	
UNV5NM40	Microwave sensor non-dimmable	30W	4000K	80°	4500	150	-	
		35W	4000K	80°	5250	150	-	
		40W	4000K	80°	6000	150	-	
		45W	4000K	80°	6750	150	-	
UNV5D40	DALI-2 dimmable	30W	4000K	80°	4500	150	-	
		35W	4000K	80°	5250	150	-	
		40W	4000K	80°	6000	150	-	
		45W	4000K	80°	6750	150	-	

Energy rating is a reflection of the LED light source.

Accessories

UNVKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	57
UNVKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	57
UNVKITDALIEM	DALI-2 Emergency plug-in Versabox	Sold Separately	57
UNVKITMWS	MIcrowave Sensor on/off plug-in Versabox	Sold Separately	57
UNREMOTEMWS	Remote for Mircowave Sensor	Sold Separately	57
PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	185
PIRBOLTDIM	PIR Bolt-on Sensor Step-Dim (requires 0-10V driver)	Sold Separately	185

Uniform Versa accessories

Make your batten perfect for your installation

Optional microwave sensor and emergency accessories combine excellence and unrivalled cost savings.

Use the tables below to choose the perfect accessory for your batten

	UNVKITMWS	UNVKITMANEM	UNVKITSELFEM	UNVKITDALIEM	UNREMOTEMWS
Accessory on it's own					
Accessory on product					-

Product codes

Product Code	Description	Guarantee
UNVKITMWS	Microwave Sensor for Uniform Versa	7 years
UNVKITMANEM	Manual-Test Emergency plug-in kit for Uniform Versa	7 years
UNVKITSELFEM	Self-Test Emergency plug-in kit for Unfiorm Versa	7 years
UNVKITDALIEM	DALI2-Test Emergency plug-in kit for Uniform Versa	7 years
UNREMOTEMWS	Universal Remote control for Microwave sensor	7 years
UNISUS2M	2M Suspension Kit for Uniform CSP	5 years warranty

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

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), 2 years (on-site)

Features & benefits

Outstanding uniform lit effect

70,000 hours L80 lifetime

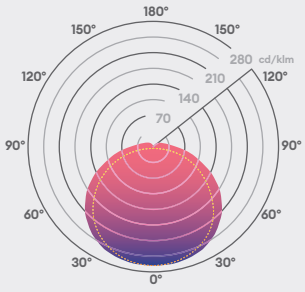
IP44 rated allows the product to be used in a wide range of applications

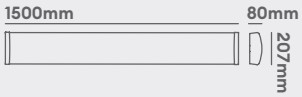
Bolt-on range of lighting controls and emergency conversion packs to aid fast availability

RG0 (Risk Exempt) Photo-biological Risk

Suspension kit available (UNLSUS2M)

Beam angle: 120°





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 AC
LED lifetime	L80 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
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 - 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	∠°	W	CCT	lm	lm/W	EM	Energy
UNL5SN	Standard	120°	20W	4000K	3000	150	-	B
			23W	4000K	3450	150	-	B
			26W	4000K	3900	150	-	B
			30W	4000K	4500	150	-	B
UNL5SNE	Emergency	120°	20W	4000K	3000	150	325	B
			23W	4000K	3450	150	325	B
			26W	4000K	3900	150	325	B
			30W	4000K	4500	150	325	B
UNL5SD	DALI-2 dimmable	120°	30W	4000K	4500	150	-	B
UNL5SDE	Emergency DALI-2 dimmable	120°	30W	4000K	4500	150	325	B

Energy rating is a reflection of the LED light source.

Accessories

PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	185
EMBOLTMOPEN	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	185
EMBOLTMCOR	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	185
EMBOLTSOPEN	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	185
EMBOLTSCOR	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	185

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 AC
LED lifetime	L80 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
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 - 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	∠°	W	CCT	lm	lm/W	EM	Energy
UNL4SN	Standard	120°	20W	4000K	2822	150	-	
			23W	4000K	3383	150	-	
			26W	4000K	3984	150	-	
			30W	4000K	4500	150	-	
UNL4SNE	Emergency	120°	20W	4000K	2822	150	325	
			23W	4000K	3383	150	325	
			26W	4000K	3984	150	325	
			30W	4000K	4500	150	325	
UNL4SD	DALI-2 dimmable	120°	30W	4000K	4500	150	-	
UNL4SDE	Emergency DALI-2 dimmable	120°	30W	4000K	4500	150	325	

Energy rating is a reflection of the LED light source.

Accessories

PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	185
EMBOLTMOPEN	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	185
EMBOLTMCOR	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	185
EMBOLTSOPEN	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	185
EMBOLTSCOR	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	185

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), 2 years (on-site)

Features & benefits

Outstanding uniform lit effect

70,000 hours L80 lifetime

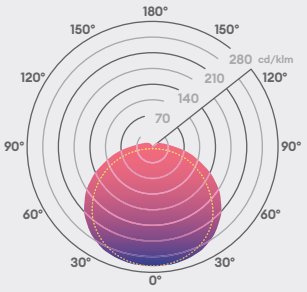
IP44 rated allows the product to be used in a wide range of applications

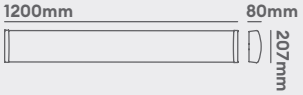
Bolt-on range of lighting controls and emergency conversion packs to aid fast availability

RG0 (Risk Exempt) Photo-biological Risk

Suspension kit available (UNLSUS2M)

Beam angle: 120°





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), 2 years (on-site)

Features & benefits

Outstanding uniform lit effect

70,000 hours L80 lifetime

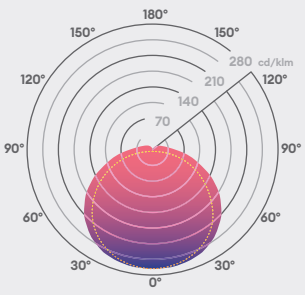
IP44 rated allows the product to be used in a wide range of applications

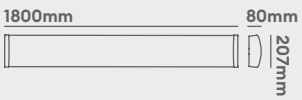
Bolt-on range of lighting controls and emergency conversion packs to aid fast availability

RG0 (Risk Exempt) Photo-biological Risk

Suspension kit available (UNLSUS2M)

Beam angle: 120°





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 AC
LED lifetime	L80 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
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 - 40°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	∠°	W	CCT	lm	lm/W	EM	Energy
UNL6SN	Standard	120°	20W	4000K	2822	150	-	B
			23W	4000K	3383	150	-	B
			26W	4000K	3984	150	-	B
			30W	4000K	4500	150	-	B
UNL6SNE	Emergency	120°	20W	4000K	2822	150	325	B
			23W	4000K	3383	150	325	B
			26W	4000K	3984	150	325	B
			30W	4000K	4500	150	325	B
UNL6SD	DALI-2 dimmable	120°	30W	4000K	4500	150	-	B
UNL6SDE	Emergency DALI-2 dimmable	120°	30W	4000K	4500	150	325	B

Energy rating is a reflection of the LED light source.

Accessories

PIRBOLT	On-off PIR sensor with daylight switch	Sold Separately	185
EMBOLTMOPEN	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	185
EMBOLTMCOR	Bolt-on emg conversion pack, Man-Test, 200lm	Sold Separately	185
EMBOLTSOPEN	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	185
EMBOLTSCOR	Bolt-on emg conversion pack, Self-Test, 200lm	Sold Separately	185

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)	UNLSUS2M
Accessory on it's own					
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
UNISUS2M	2M Suspension Kit for Uniform	5 years warranty

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

Compatible with

	Uniform Versa 5ft Page 56	Uniform 4ft Page 59	Uniform 5ft Page 58	Uniform 6ft Page 60
PIRBOLT	●	●	●	●
PIRBOLTDIM	●			
EMBOLTMCOR	●	●	●	●
EMBOLTMOPEN	●	●	●	●
EMBOLTSCOR	●	●	●	●
EMBOLTSOPEN	●	●	●	●
UNLSUS2M	●	●	●	●
PIRBOLTDIMR	Compatible with **PIRBOLTDIM**			

Colour switchable between 2700k, 3000k, & 4000k

138lm/W

Energy efficient up to 138lm/W

Dim

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 surface-mounted

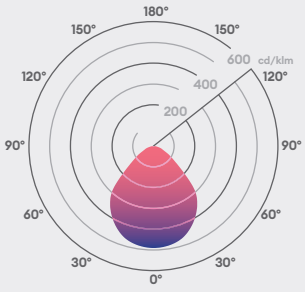
Design-led pendant can be centrepiece of any room

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 AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
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 - 50°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	∠°	lm	lm/W	Energy
NVB45DS	450mm	Black - gold	26W	2700K	120°	2600	100	
				3000K	120°	2800	108	D
				4000K	120°	3000	115	
NVB60DS	600mm	Black - gold	40W	2700K	120°	4200	117	
				3000K	120°	4500	125	D
				4000K	120°	4800	133	
NVB90DS	900mm	Black - gold	68W	2700K	120°	7900	122	
				3000K	120°	8300	128	D
				4000K	120°	9000	138	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

NV45UPM	Nova Uplight Kit, 450mm, 13W 1100lm, On-Off, 3000K	Sold Separately	65
NV60UPM	Nova Uplight Kit, 600mm, 20W 1700lm, On-Off, 3000K	Sold Separately	65
NV90UPM	Nova Uplight Kit, 900mm, 28W 2400lm, On-Off, 3000K	Sold Separately	65
NVBSUS2M	Nova Pendant Kit Black, 2 metres, 5 core cable	Sold Separately	65
NVWSUS2M	Nova Pendant Kit White, 2 metres, 5 core cable	Sold Separately	65
EMRBST	Salvus Route Black, Self Test, Open Corridor Lens	Sold Separately	229
EMRWST	Salvus Route White, Self Test, Open Corridor Lens	Sold Separately	229

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 AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
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 - 50°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	∠°	lm	lm/W	Energy
NVW45DS	450mm	White - gold	26W	2700K	120°	2600	108	
				3000K	120°	2800	117	D
				4000K	120°	3000	125	
NVW60DS	600mm	White - gold	40W	2700K	120°	4200	117	
				3000K	120°	4500	125	D
				4000K	120°	4800	133	
NVW90DS	900mm	White - gold	68W	2700K	120°	7900	122	
				3000K	120°	8300	128	D
				4000K	120°	9000	138	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

NV45UPM	Nova Uplight Kit, 450mm, 13W 1100lm, On-Off, 3000K	Sold Separately	65
NV60UPM	Nova Uplight Kit, 600mm, 20W 1700lm, On-Off, 3000K	Sold Separately	65
NV90UPM	Nova Uplight Kit, 900mm, 28W 2400lm, On-Off, 3000K	Sold Separately	65
NVBSUS2M	Nova Pendant Kit Black, 2 metres, 5 core cable	Sold Separately	65
NVWSUS2M	Nova Pendant Kit White, 2 metres, 5 core cable	Sold Separately	65
EMRBST	Salvus Route Black, Self Test, Open Corridor Lens	Sold Separately	229
EMRWST	Salvus Route White, Self Test, Open Corridor Lens	Sold Separately	229

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 surface-mounted

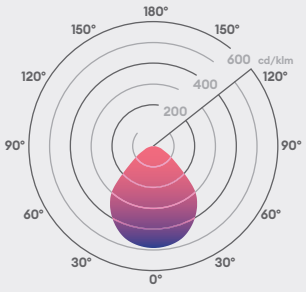
Design-led pendant can be centrepiece of any room

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°



111lm/W **Energy efficient up to 111Llm/W**

UGR19 **UGR19 for low glare**

Quick and easy installation without opening the luminaire

Guarantee

5 years (product), 2 years (on-site)

Features & benefits

Classic shape luminaire with timeless design

Floating impression when surface mounted

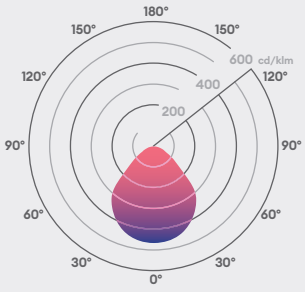
Minimalist pendant is versatile to suit the decor of any room

Wall mounted creates interest

Versatile solution for multiple different applications

Integral emergency option (for wall mount application only)

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 AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, Self-Test

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 - 50°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Type	W	CCT	∠°	lm	lm/W	Energy
ASW451N40	Standard	18	4000K	90°	2000	111	D
ASW451N40ES	Emergency	18	4000K	90°	2000	111	D
ASW452N40	Standard	26	4000K	90°	2600	100	D
ASW452N40ES	Emergency	26	4000K	90°	2600	100	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm²
Type of wiring required	Parallel

Accessories

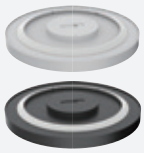
ASWSUS2M	Astra Pendant Kit White, 2 metres, 3 core cable	Sold Separately	65
EMRWMAN	Salvus Route White, Manual Test, Open Corridor Lens	Sold Separately	229
EMRWST	Salvus Route White, Self Test, Open Corridor Lens	Sold Separately	229

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

	NV45UPM	NV60UPM	NV90UPM	NVBSUS2M	NVWSUS2M	ASWUS2M
Accessory on it's own						
Accessory on product						

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 62	Nova 450mm White Page 63	Nova 600mm Black Page 62	Nova 600mm White Page 63	Nova 900mm Black Page 62	Nova 900mm White Page 63	Astra Page 64
NV45UPM	●	●					
NV60UPM			●	●			
NV90UPM					●	●	
NVBSUS2M	●		●		●		
NVWSUS2M		●		●		●	
ASWUS2M							●
EMRBST	●	●	●	●	●	●	●
EMRWST	●	●	●	●	●	●	●

Lustre Pendant

A circular decorative pendant light

IP20 perfect for internal applications

CRI 80 providing true colour appearance

TRIAC Dimmable

Features

IK rating	
IP rating	IP20
CSP switchable	Single CCT
Sensor option	
Dimmable option	Yes (TRIAC)
Input	220-240V AC
LED lifetime	L70 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	No

Installation information

Install connector type	Loop in / Loop out
Inrush current	2.32A
Construction material	Aluminium
Weight	1.12Kg
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	1
Building regulations	Part P, L
Mounting options	Suspended

Photometrics @ 25°C

Product code	Finish	Reflector	W	Colour	∠°	lm	lm/W	Energy
AIN3KPLBKGD	Black	Gold	15W	3000K	120°	700	46	C
AIN3KPLBKWH	Black	White	15W	3000K	120°	1120	76	D
AIN3KPLWHGD	White	Gold	15W	3000K	120°	700	46	C
AIN3KPLWHWH	White	White	15W	3000K	120°	1120	76	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable Required for Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm?) or 3-core cable (R02V 3x1.5mm?)
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

Guarantee

5 years

Features & benefits

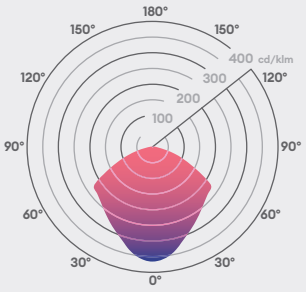
Suspended mounting only

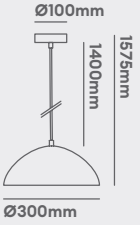
120° beam angle for wide illumination

Concentric circles create a striking decorative light effect

Available in both white and black

Beam angle: 120°





IP54 perfect for internal applications

CRI 80 providing true colour appearance

TRIAC Dimmable

Guarantee

5 years

Features & benefits

Ceiling or suspended mounting option's

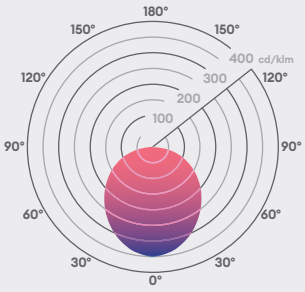
120° beam angle for wide illumination

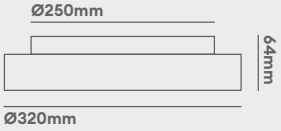
IK06 for impact protection

Concentric circles create a striking decorative light effect

Available in both white and black

Beam angle: 120°





Lustre Ceiling Light

A circular decorative ceiling pendant light

Features

IK rating	IK06
IP rating	IP54
CSP switchable	Single CCT
Sensor option	
Dimmable option	Yes (TRIAC)
Input	220-240V AC
LED lifetime	L70 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	No

Installation information

Install connector type	Loop in / Loop out
Inrush current	4.52A
Construction material	Polycarbonate
Weight	1.06Kg
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	2
Building regulations	Part P, L
Mounting options	Ceiling

Photometrics @ 25°C

Product code	Finish	Reflector	W	Colour	∠°	lm	lm/W	Energy
AIN3KCLBKGD	Black	Gold	18W	3000K	120°	1000	56	D
AIN3KCLBKWH	Black	White	18W	3000K	120°	1000	56	E
AIN3KCLWHGD	White	Gold	18W	3000K	120°	1000	56	D
AIN3KCLWHWH	White	White	18W	3000K	120°	1000	56	E

Energy rating is a reflection of the LED light source.

Wiring information

Cable Required for Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm?) or 3-core cable (R02V 3x1.5mm?)
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

Lustre Wall Light Black

A triangular decorative wall light

IP20 perfect for internal applications

>80Ra CRI 80 providing true colour appearance

Dim TRIAC Dimmable

Features

IK rating	N/A
IP rating	IP20
CSP switchable	Single CCT
Sensor option	
Dimmable option	Yes (TRIAC)
Input	220-240V AC
LED lifetime	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	No

Installation information

Install connector type	Loop in / Loop out
Inrush current	3.44A
Construction material	Aluminium Die-casting
Weight	0.48Kg
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	1
Building regulations	Part P, L
Mounting options	Wall

Photometrics @ 25°C

Product code	Finish	W	Colour	∠°	lm	lm/W	Energy
AIN3KWLBK	Black	8W	3000K	120°	355	49	D
AIN3KWLWH	White	8W	3000K	120°	480	63	E

Energy rating is a reflection of the LED light source.

Wiring information

Cable Required for Connector	Push-fit terminal for: Twin & Earth (6242Y 2x1.5mm?) or 3-core cable (R02V 3x1.5mm?)
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

Guarantee

5 years

Features & benefits

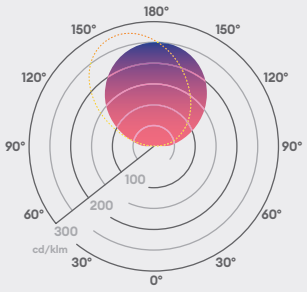
Wall mounting only

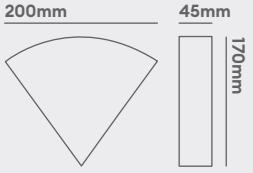
120° beam angle for wide illumination

Able to through wire to create your own decorative wall installations. Combine 5 luminaires for a full circle or alternate orientation for a striking luminaire design

Available in both white and black

Beam angle: 120°





Semi-recessed for discreet look

Baffled for low glare and visual comfort

CRI 90 providing true colour appearance

Guarantee

7 Years

Features & benefits

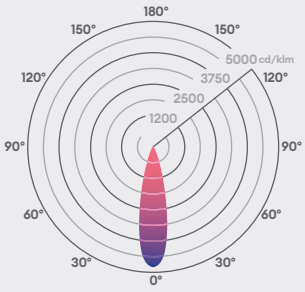
Available with a choice of a matt black or matt white finish

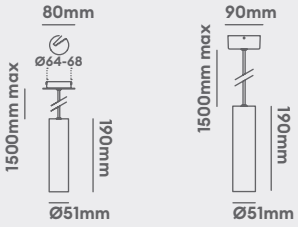
A sleek cylindrical style with hidden fixings

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 warm
Tiltable	No
UGR	0
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3
Emergency option	Yes

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size (mm)	65-68
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

For technical information, check website

Wiring information

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

Accessories

LEDEP10	3hr non-maintained emergency pack (plug & play)	Sold Separately	232
BDLFH2	Fire Hood	Sold Separately	

Please check website for technical information.
www.collingwoodlighting.com or scan the QR code.

Semi-recessed for discreet look

Baffled for low glare and visual comfort

CRI 90 providing true colour appearance

Guarantee

7 Years

Features & benefits

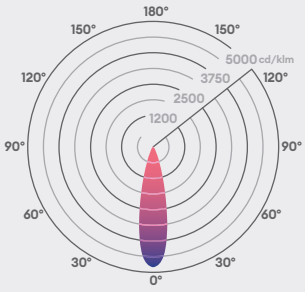
Available with a choice of a matt black or matt white finish

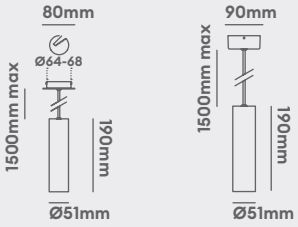
A sleek cylindrical style with hidden fixings

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 warm
Tiltable	No
UGR	0
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3
Emergency option	Yes

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size (mm)	65-68
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

For technical information, check website

Wiring information

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

Accessories

LEDEP10	3hr non-maintained emergency pack (plug & play)	Sold Separately	232
BDLFH2	Fire Hood	Sold Separately	

Please check website for technical information.
www.collingwoodlighting.com or scan the QR code.

IP65 Available in IP65 for various applications

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

>80Ra 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

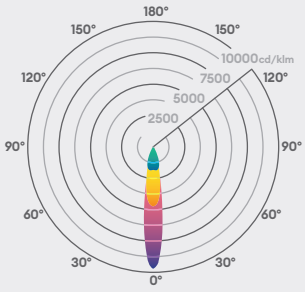
Fixed, Adjustable, Round, Square, Trimless options available

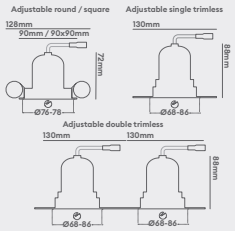
Emergency options available

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

Beam angle: 12° 24° 50°





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 AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>95
Colour consistency	SDCM3
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size (mm)	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 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

Photometrics @ 25°C

For technical information, check website

Wiring information

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

Accessories

LEDEP10	3hr non-maintained, self-test emergency pack (plug & play)	Sold Separately	232
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately	233

Please check website for technical information.
www.collingwoodlighting.com or scan the QR code.

1901 Fixed Downlight

Design your light! Modular Architectural Downlight Range

Features

IP rating	IP44 / IP65
CSP switchable	Fixed colour / Dim to warm
Tiltable	No
UGR	1
Dimmable option	Mains / DALI-2 / 1-10V
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>95
Colour consistency	SDCM3
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	No
Cut out size (mm)	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 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

Photometrics @ 25°C

For technical information, check website

Wiring information

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

Accessories

LEDEP10	3hr non-maintained, self-test emergency pack (plug & play)	Sold Separately	232
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately	233

Please check website for technical information.
www.collingwoodlighting.com or scan the QR code.

Surface & Suspended

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

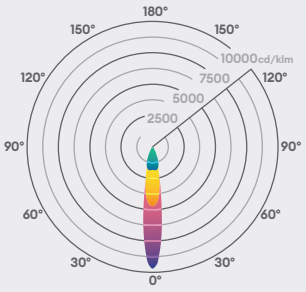
Fixed, Adjustable, Round, Square, Trimless options available

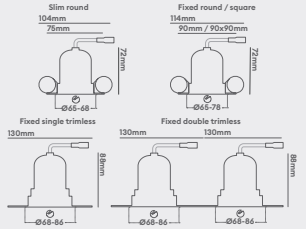
Emergency options available

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

Beam angle: 12° 24° 50°





Track Lighting

Choosing the ideal track & components

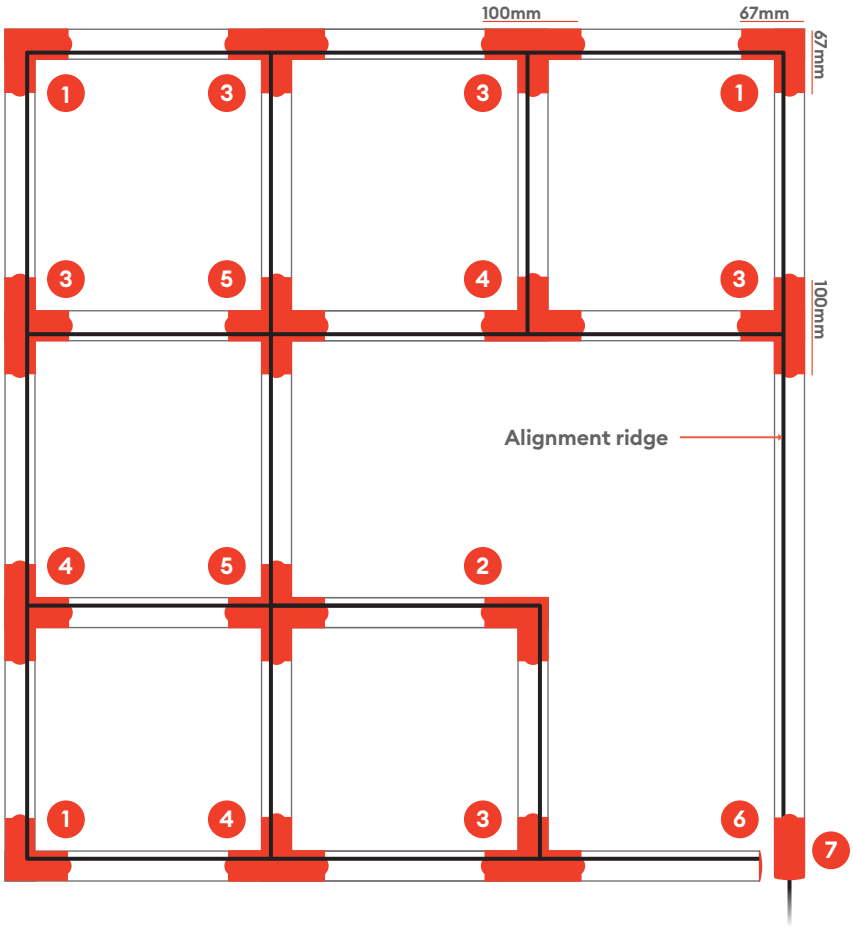
For your installation

Using the below information, create the ideal grid for your track lighting.

Retail displays are constantly evolving. The flexible nature of track lighting ensures that merchandise will remain beautifully lit wherever displays are positioned. The lighting can be moved along a purpose-built grid with the ability to rotate and tilt, ensuring ultimate flexibility.

Grid - example

When building a grid, it's important to consider where the majority of your merchandise will be displayed.
All of our track spot lighting rotates 350°, and tiltable by 90°.



1 L 90° - Inside connector

Use for corners.
See next page

2 L 90° - outside connector

Use for corners.
See next page

3 T - connector left

Use to create a T-junction.
See next page

4 T - connector right

Use to create a T-junction.
See next page

5 X - connector

Use to join a cross section.
See next page

6 End cap

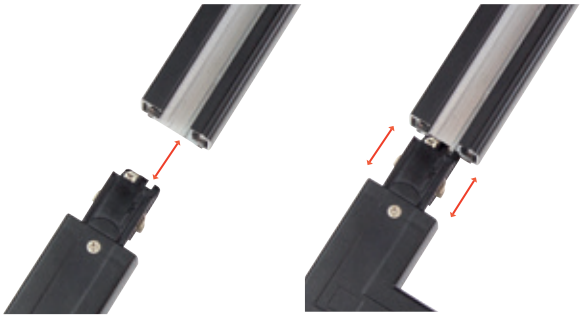
Completes the track.
See next page

Power connector right

7 Connects the grid to the mains.
See next page

Alignment ridge

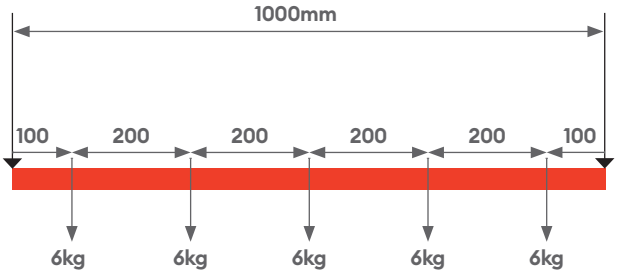
It is import when selecting your connectors for your track, that you ensure the aligment ridge lines up from connector to track.



Surface track load

The three-circuit connection allows a total current of 16A.

A rail can support a load of 6kg/200mm with a max distance of 1.00m between fixing points, or a load of 3kg/200mm with a max distance of 2.00m between fixing points.

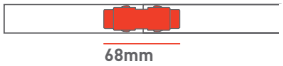


Track extensions

Track fixtures are available in 1m and 2m lengths. These can be cut shorter or increased using extensions, such as:

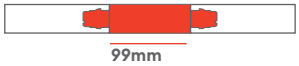
Joint connector

Extend sections of track using a joint connector. It sits concealed within the track, without adding extra length, for a neat and tidy finish.



Power connector central

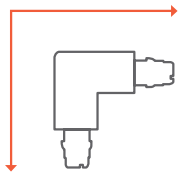
The power connector central feed adds 99mm length to the track. Allows the mains to be fed from the middle of a straight track.



Corner components

To increase the flexibility of the grid, use 90° corner connectors, available as inside or outside options

Fixed 90° corner



CCT switchable

One light, three CCT temperatures

Our range of colour switchable track light allows you to stock 3 colour temperatures in 1 product; 2700K, 3000K & 4000K).

Advantages

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

2700K

3000K

4000K

5 year warranty

Offering a five-year warranty, you can be assured of our commitment to quality.

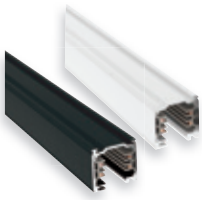
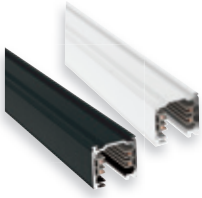
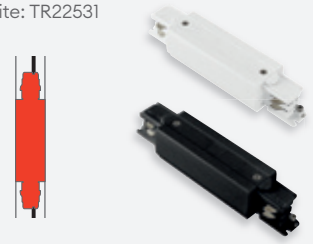
IP20 rating

IP20 rated suitable for indoor applications.

Choosing the ideal track & components

For your installation

Using the table below, determine which components you'll require for your installation.

Mounting options	Choose your Track	Choose your power connectors and end caps At least one power connector feed and an end cap are essential
Ceiling mount kit Black: TR23530 White: TR23531 	**1m Surface track** Black: TR22030 White: TR22031 	**Power connector left** Black: TR22430 White: TR22431
		Power connector right Black: TR22330 White: TR22331
	2m Surface track Black: TR22130 White: TR22131 	**Power connector central** Black: TR22530 White: TR22531 
Suspension mount kit 500cm Black: TR23630 White: TR23631 		**End cap** Black: TR23730 White: TR23731

Choose the appropriate connectors for your grid
It is import when selecting your connectors for your track, that you ensure the aligment ridge lines up from connector to track.

Cover plates for concealing components

90° Connector inside

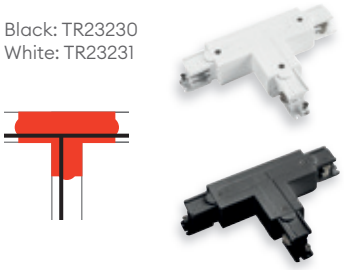
Black: TR22830
White: TR22831

90° Connector outside

Black: TR22930
White: TR22931

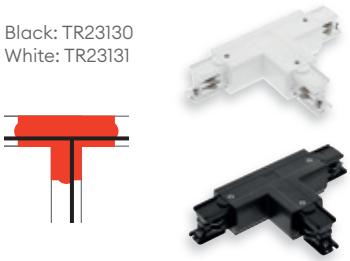
T Connector left

Black: TR23230
White: TR23231



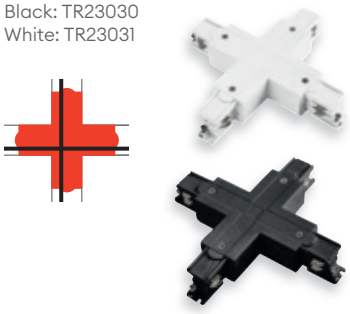
T Connector right

Black: TR23130
White: TR23131



X Connector

Black: TR23030
White: TR23031



Joint connector

Black: TR22630
White: TR22631

90° Cover plate

Black: TR23830
White: TR23831

Colour switchable between 2700K 3000K and 4000K

IP20 for use internally

CRI 90 providing true colour appearance

Guarantee

5 years

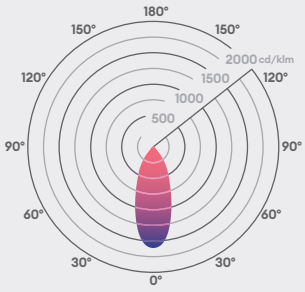
Features & benefits

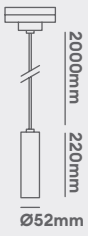
A medium beam angle of 38° for a more focused light

Long lifetime of 50,000hrs

For use with 3 Circuit Track

Beam angle: 38°





AUREA 3 TP

Pendant light for accent lighting

Features

IP rating	IP20
CSP switchable	Switchable CCT
Tiltable	No
Rotation angle	No
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

Inrush current	1.6A 37µs
Construction material	Aluminium
Weight	620g
Maximum ambient temperature	-20°C - 45°C
Building regulations	Part P & L
Electric class (1, 2, 3)	1
Mounting options	On Track

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
TR43405	White	6W	2700K	38°	500	83	F
			3000K	38°	520	87	
			4000K	38°	550	92	
TR43430	Black	6W	2700K	38°	500	83	F
			3000K	38°	520	87	
			4000K	38°	550	92	

Energy rating is a reflection of the LED light source.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

CO51710	3-Circuit Aurea Pendant Champagne Sleeve Cover	Sold Separately
CO51777	3-Circuit Aurea Pendant Rose Sleeve Cover	Sold Separately
	Track range and accessories	Sold Separately

AUREA 3 T

Spotlight for accent lighting

Features

IP rating	IP20
CSP switchable	Switchable CCT
Tiltable	90°
Rotation angle	350°
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

Inrush current	1.6A 37µs
Construction material	Aluminium
Weight	410g
Maximum ambient temperature	-20°C - 45°C
Building regulations	Part P & L
Electric class (1, 2, 3)	1
Mounting options	On Track

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
TR43305	Black	6W	2700K	38°	500	83	
			3000K	38°	520	87	F
			4000K	38°	550	92	
TR43330	White	6W	2700K	38°	500	83	
			3000K	38°	520	87	F
			4000K	38°	550	92	

Energy rating is a reflection of the LED light source.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

CO51710	3-Circuit Aurea Spot Champagne Sleeve Cover	Sold Separately
CO51777	3-Circuit Aurea Spot Rose Sleeve Cover	Sold Separately
	Track range and accessories	Sold Separately

Colour switchable between 2700K 3000K and 4000K

IP20 for use internally

CRI 90 providing true colour appearance

Guarantee

5 years

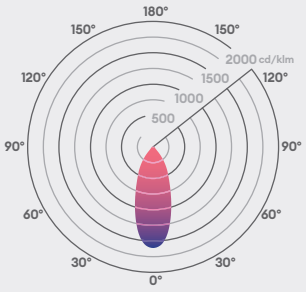
Features & benefits

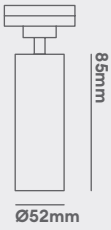
A medium beam angle of 38° for a more focused light

Long lifetime of 50,000hrs

For use with 3 Circuit Track

Beam angle: 38°





Components

Find the perfect components for your track

Using the table below, determine which components you'll require for your installation.

	TR23530	TR23531	TR23630	TR23630	TR22030	TR22031	TR22130
Component information							
Type	Ceiling mount kit	Ceiling mount kit	Suspension mount kit	Suspension mount kit	1m Surface track	1m Surface track	2m Surface track
Product							
TR43305		●		●		●	
TR43330	●		●		●		●
TR43405		●		●		●	
TR43430	●		●		●		●

	TR22830	TR22831	TR22930	TR22931	TR23230	TR23231	TR23130
Connector information							
Type	90° Connector inside	90° Connector inside	90° Connector outside	90° Connector outside	T Connector left	T Connector left	T Connector right
Product							
TR43305		●		●		●	
TR43330	●		●		●		●
TR43405		●		●		●	
TR43430	●		●		●		●

	TR22131	TR22430	TR22431	TR22330	TR22331	TR22530	TR22531	TR23730	TR23731
	2m Surface track	Power connector left	Power connector left	Power connector right	Power connector right	Power connector central	Power connector central	End cap	End cap
	●		●		●		●		●
		●		●		●		●	
	●		●		●		●		●
		●		●		●		●	

	TR23131	TR23030	TR23031	TR22630	TR22631	TR23830	TR23831
	T Connector right	X Connector	X Connector	Joint connector	Joint connector	90° Cover plate	90° Cover plate
	●		●		●		●
		●		●		●	
	●		●		●		●
		●		●		●	

Commercial Downlights

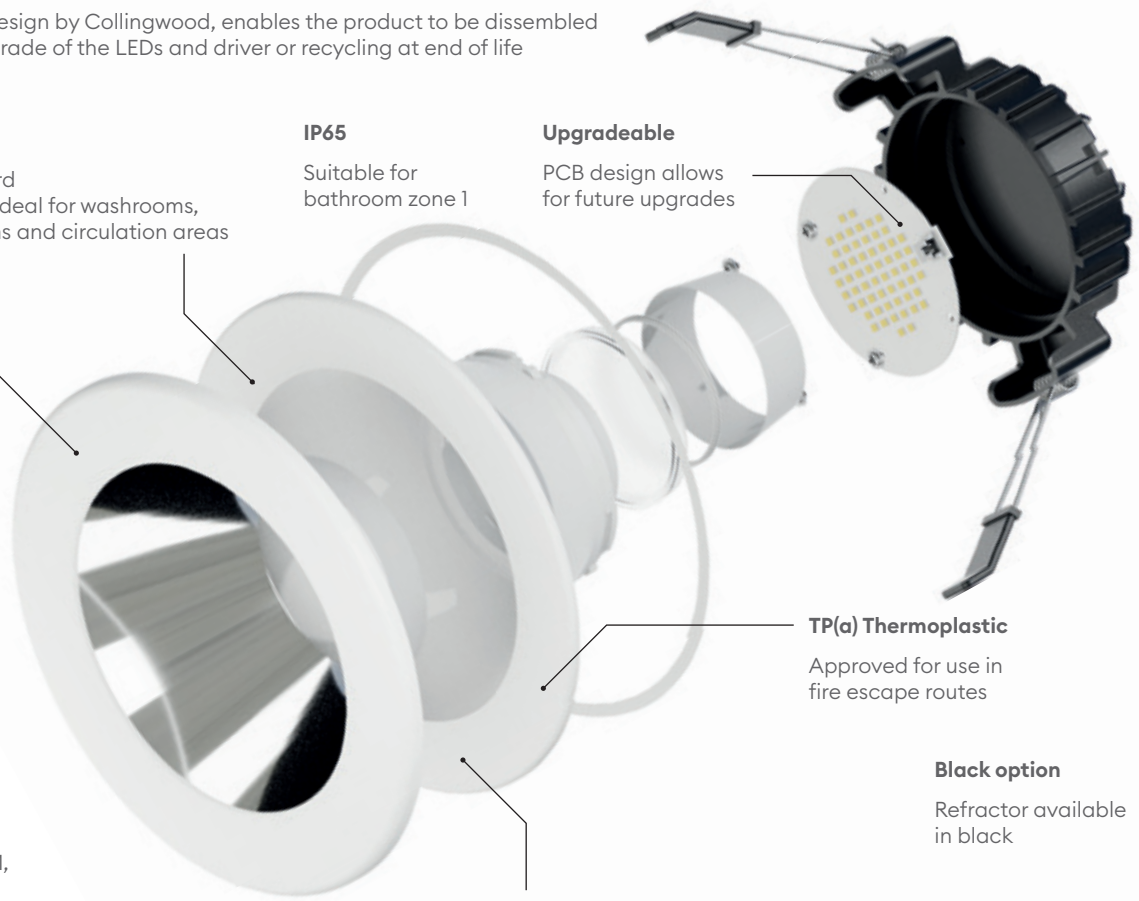
Commercial downlights

Thea Pro

Ultra efficient commercial downlights suitable for countless applications such as office buildings, hospitals and hotels.

Circular economy by design

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



UGR 22

As standard UGR 22 is ideal for washrooms, cloakrooms and circulation areas

IP65

Suitable for bathroom zone 1

Upgradeable

PCB design allows for future upgrades

UGR 19

Low glare insert easily clips in when needed

TP(a) Thermoplastic

Approved for use in fire escape routes

Dimming

Driver options for TRIAC mains dimming, PUSH-DIM, DALI-2 and wireless control

Black option

Refractor available in black

Easy to retro-fit

Thea Pro has options covering Ø145-220mm making it perfect for retro-fittng

Colour Inserts

For that personel touch, choosing and matching to a certain decor, is easy with our range of colour inserts on offer.

Quality of light

Efficiency combined with visual comfort whilst using the UGR19 inset ensures a high performance light for your workers, students and retail applications.

UGR19

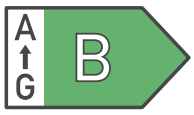
UGR19 low glare with Inset

142lm/W

Up to 142 lumens per watt

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.

IP54

TP(a) rating

TP(a) thermoplastic rated diffuser.

TP(a)

Dimming options

As each installation is unique and has individual requirements, choose between mains, DALI-2, 0-10V or PUSH-DIM dimming options.

Mains DALI-2 0-10V PUSH DIM

5 year warranty

Offering a five-year warranty, so you can be assured of our commitment to quality.

Emergency pack options

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, LEDEP10EM and LEDEP10DA plug & play emergency packs can be used with each product in the range offering a flexible solution to complement any lighting scheme.

142lm/W **Highly efficient 142 Llm/W ensures low running costs**

IP65 **IP65 protected as standard, suitable for bathroom zone 1**

UGR19 or UGR22 **UGR19 compliant low glare lighting when insert is used**

Guarantee

5 years (product), 3 years (battery), 2 years (on-site)

Features & benefits

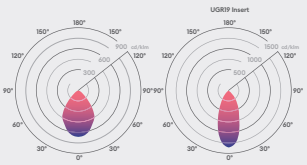
Circular economy design by Collingwood, enables the product to be dissembled quickly for easy upgrade of the LEDs and driver or recycling at end of life

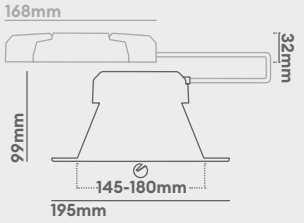
TP(a) Thermoplastic

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
Sensor option	On Request
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V AC
LED lifetime	L80 80,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Insulation coverable	Luminaire: Rolled and blown insulation Driver: no
Cut out size (mm)	145-180
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 - 40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	Dimming	Driver required	W	CCT	∠°	lm	lm/W	Energy
THP1N	White RAL9003	On-Off	Driver Included	10W	4000K	80°	1400	140	B
THP1X	White RAL9003	Driverless	Driver Excluded Use THP1DD	10W	4000K	80°	1400	140	B

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm²
Type of wiring required	Parallel

Accessories

THP12UGR	Thea Pro, UGR19 Insert, THP1 + THP2	Sold Separately	92
THP1DD	Thea Pro, DALI-2/PUSH-DIM Driver, THP1	Sold Separately	93
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	Emergency converter, DALI Addressable	Sold Separately	233
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) lm	Sold Separately	229
DRV3001050	42W CC Driver, IP20, 300-1050mA	Sold Separately	43

Thea Pro 145-180mm

High Performance UGR19 (using insert accessory) Downlight

Features

IP rating	IP65
CSP switchable	Single CCT
UGR	22
Sensor option	On Request
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V AC
LED lifetime	L80 80,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Insulation coverable	Luminaire: Rolled and blown insulation Driver: no
Cut out size (mm)	145-180
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 - 40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	Dimming	Driver required	W	CCT	∠°	lm	lm/W	Energy
THP2N	White RAL9003	On-Off	Driver Included	14W	4000K	80°	2000	142	B
THP2X	White RAL9003	Driverless	Driver Excluded Use THP23DD	14W	4000K	80°	2000	142	B

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm²
Type of wiring required	Parallel

Accessories

THP12UGR	Thea Pro, UGR19 Insert, THP1 + THP2	Sold Separately	92
THP1DD	Thea Pro, DALI-2/PUSH-DIM Driver, THP1	Sold Separately	93
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	Emergency converter, DALI Addressable	Sold Separately	233
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) lm	Sold Separately	229
DRV3001050	42W CC Driver, IP20, 300-1050mA	Sold Separately	43
THLDRVMDIM	TRIAC mains dimmable Driver for THP2 & THP3	Sold Separately	

142lm/W **Highly efficient 142 Llm/W ensures low running costs**

IP65 **IP65 protected as standard, suitable for bathroom zone 1**

UGR**19** or UGR**22** **UGR19 compliant low glare lighting when insert is used**

Guarantee

5 years (product), 3 years (battery), 2 years (on-site)

Features & benefits

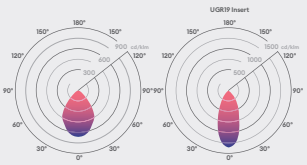
Circular economy design by Collingwood, enables the product to be dissembled quickly for easy upgrade of the LEDs and driver or recycling at end of life

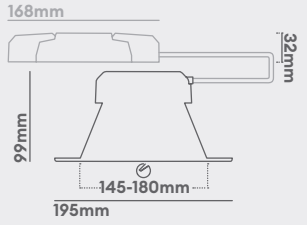
TP(a) Thermoplastic

850° Glow Wire Test

2-part first/second fix connector available on request for easy maintenance

Beam angle: 80°





142lm/W **Highly efficient 142 Llm/W ensures low running costs**

IP65 **IP65 protected as standard, suitable for bathroom zone 1**

UGR19 or UGR22 **UGR19 compliant low glare lighting when insert is used**

Guarantee

5 years (product), 3 years (battery), 2 years (on-site)

Features & benefits

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TP(a) Thermoplastic

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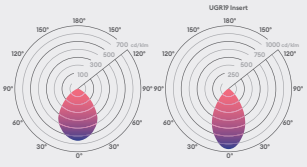
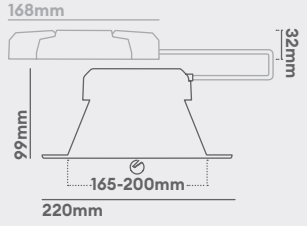




Thea Pro 165-200mm

High Performance UGR19 (using insert accessory) Downlight

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Single CCT
UGR	22
Sensor option	On Request
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V AC
LED lifetime	L80 80,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Insulation coverable	Luminaire: Rolled and blown insulation Driver: no
Cut out size (mm)	165-200
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 - 40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	Dimming	Driver required	W	CCT	∠	lm	lm/W	Energy
THP3N	White RAL9003	On-Off	Driver Included	14W	4000K	80°	2000	142	
THP3X	White RAL9003	Driverless	Driver Excluded Use THP23DD	14W	4000K	80°	2000	142	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm²
Type of wiring required	Parallel

Accessories

THP34UGR	Thea Pro, UGR19 Insert, THP3 + THP4	Sold Separately	92
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately	233
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) lm	Sold Separately	229
DRV3001050	42W CC Driver, IP20, 300-1050mA	Sold Separately	43
THLDRVMDIM	TRIAC mains dimmable Driver for THP2 & THP3	Sold Separately	43

Thea Pro 165-200mm

High Performance UGR19 (using insert accessory) Downlight

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Single CCT
UGR	22
Sensor option	On Request
Dimmable option	Yes (DALI-2, PUSH-DIM)
Input	220-240V AC
LED lifetime	L80 80,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Insulation coverable	Luminaire: Rolled and blown insulation Driver: no
Cut out size (mm)	165-200
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 - 40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	Dimming	Driver required	W	CCT	∠°	lm	lm/W	Energy
THP4N	White RAL9003	On-Off	Driver Included	25W	4000K	80°	3500	140	B
THP4X	White RAL9003	Driverless	Driver Excluded Use THP4DD	25W	4000K	80°	3500	140	B

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm²
Type of wiring required	Parallel

Accessories

THP34UGR	Thea Pro, UGR19 Insert, THP3 + THP4	Sold Separately	92
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately	233
EMRWMAN	Salvus Route White, Man-Test, 120(O) or 130(C) lm	Sold Separately	229
DRV3001050	42W CC Driver, IP20, 300-1050mA	Sold Separately	43
EUP30T1HMC0	TRIAC mains dimmable Driver for THP4	Sold Separately	43

142lm/W **Highly efficient 142 Llm/W ensures low running costs**

IP**65** **IP65 protected as standard, suitable for bathroom zone 1**

UGR**19** or UGR**22** **UGR19 compliant low glare lighting when insert is used**

Guarantee

5 years (product), 3 years (battery), 2 years (on-site)

Features & benefits

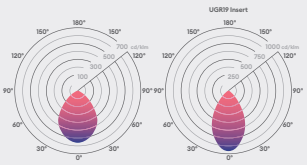
Circular economy design by Collingwood, enables the product to be dissembled quickly for easy upgrade of the LEDs and driver or recycling at end of life

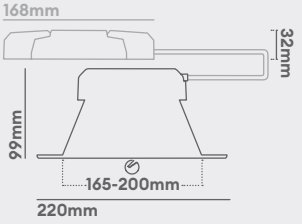
TP(a) Thermoplastic

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							
Accessory on product							

Product codes

Product Code	Description	Guarantee
THP12UGR	UGR19 Insert for THP1 + THP2	5 years
THP12GOLWHI	White bezel with gold baffle insert for THP1 + THP2	5 years
THP12BLKWHI	White bezel with black baffle insert for THP1 + THP2	5 years
THP12BLKBLK	Black bezel with black baffle insert for THP1 + THP2	5 years
THP12BROBLK	Black bezel with bronze baffle insert for THP1 + THP2	5 years
THP12SURKITW	White surface mounting kit for THP1 + THP1	5 years
THP12SURKITB	Black surface mounting kit for THP1 + THP2	5 years
THP34UGR	UGR19 Insert for THP3 + THP4	5 years
THP34GOLWHI	White bezel with gold baffle insert for THP3 + THP4	5 years
THP34BLKWHI	White bezel with black baffle insert for THP3 + THP4	5 years
THP34BLKBLK	Black bezel with black baffle insert for THP3 + THP4	5 years
THP34BROBLK	Black bezel with bronze baffle insert Insert for THP3 + THP4	5 years
THP34SURKITW	White surface mounting kit for THP3 + THP4	5 years
THP34SURKITB	Black surface mounting kit for THP3 + THP4	5 years

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

Compatible with

	Thea Pro THP1N Page 88	Thea Pro THP1X Page 88	Thea Pro THP2N Page 89	Thea Pro THP2X Page 89	Thea Pro THP3N Page 90	Thea Pro THP3X Page 90	Thea Pro THP4N Page 91	Thea Pro THP4X Page 91
THP12UGR	●	●	●	●				
THP12GOLWHI	●	●	●	●				
THP12BLKWHI	●	●	●	●				
THP12BLKBLK	●	●	●	●				
THP12BROBLK	●	●	●	●				
THP34UGR					●	●	●	●
THP34GOLWHI					●	●	●	●
THP34BLKWHI					●	●	●	●
THP34BLKBLK					●	●	●	●
THP34BROBLK					●	●	●	●

Thea Pro 165-200mm	THP34UGR	THP34GOLWHI	THP34BLKWHI	THP34BLKBLK	THP34BROBLK	THP34SURKITW	THP34SURKITB
Accessory on it's own							
Accessory on product							

Drivers & Emergency	THP1DD	THP23DD	THP4DD	DRV3501050	LEDEP10EM	LEDEP10	LEDEP10DA
Drivers & Emergency							

Product codes

Product Code	Description	Guarantee
THP1DD	DALI-2 Driver for THP1	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
LEDEP10DA	Emergency pack for converting Thea Pro into DALI emergency self-test option	5 year extended guarantee

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

Compatible with

	Thea Pro THP1N Page 88	Thea Pro THP1X Page 88	Thea Pro THP2N Page 89	Thea Pro THP2X Page 89	Thea Pro THP3N Page 90	Thea Pro THP3X Page 90	Thea Pro THP4N Page 91	Thea Pro THP4X Page 91
THP1DD	●	●						
THP23DD			●	●	●	●		
THP4DD							●	●
DRV300150	●	●	●	●	●	●	●	●
LEDEP10EM	●	●	●	●	●	●	●	●
LEDEP10	●	●	●	●	●	●	●	●
LEDEP10DA	●	●	●	●	●	●	●	●

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), 2 years (on-site)

Features & benefits

UGR27 compliant for comfortable lighting of washrooms, bathrooms, cloakrooms as well as general circulation and stairs

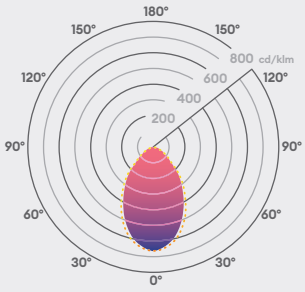
IP54 protection against water splash from any direction

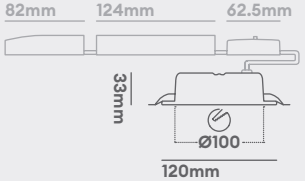
Low 33mm product depth enables product to be used with small ceiling voids

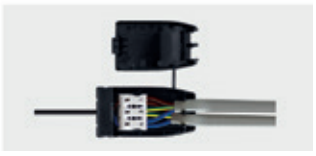
TP(a) Thermoplastic

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 AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Insulation coverable	No
Cut out size (mm)	100
Inrush current	THL_N: 4.2A 0.128ms THL_X: 4.2A 0.128ms
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 - 40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	∠°	lm	lm/W	Energy
THL1T	Mains dimmable	White RAL9003	10W	3000K	80°	1100	110	
				4000K	80°	1200	120	C
				6000K	80°	1200	120	
THL1X	DALI-2 / 0-10V / Push-Dim	White RAL9003	10W	3000K	80°	1100	110	
				4000K	80°	1200	120	C
				6000K	80°	1200	120	
THLB1T	Mains dimmable	Matt Black RAL9005	10W	3000K	80°	1000	100	
				4000K	80°	1100	110	C
				6000K	80°	1100	110	
THLB1X	DALI-2 / 0-10V / Push-Dim	Matt Black RAL9005	10W	3000K	80°	1000	100	
				4000K	80°	1100	110	C
				6000K	80°	1100	110	

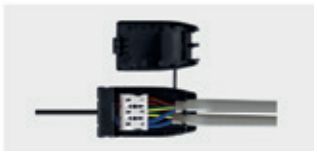
Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

PS250600MA	Power supply, IP20, 13-29W, CC, 250-600mA, DALI-2, 1-10V, Push-Dim	Sold Separately	300
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately	233
EMRWMAN	Salvus Route White, Man-Test, 120lm(O) or 130lm(C)	Sold Separately	229
EMRWST	Salvus Route White, Self Test, 120lm(O) or 130lm(C)	Sold Separately	229



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 AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Insulation coverable	No
Cut out size (mm)	150
Inrush current	THL_N: 1.4A 0.03ms THL_X: 1.4A 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 - 40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	∠°	lm	lm/W	Energy
THL2T	Mains dimmable	White RAL9003	14W	3000K	90°	1550	111	
				4000K	90°	1680	120	B
				6500K	90°	1680	120	
THL2X	DALI-2 / 0-10V / Push-Dim	White RAL9003	14W	3000K	90°	1550	111	
				4000K	90°	1680	120	B
				6500K	90°	1680	120	
THLB2T	Mains dimmable	Matt Black RAL9005	14W	3000K	90°	1500	107	
				4000K	90°	1600	114	B
				6500K	90°	1600	114	
THLB2X	DALI-2 / 0-10V / Push-Dim	Matt Black RAL9005	14W	3000K	90°	1500	107	
				4000K	90°	1600	114	B
				6500K	90°	1600	114	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

PS250600MA	Power supply, IP20, 13-29W, CC, 250-600mA, DALI-2, 1-10V, Push-Dim	Sold Separately	300
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately	233
EMRWMAN	Salvus Route White, Man-Test, 120lm(O) or 130lm(C)	Sold Separately	229
EMRWST	Salvus Route White, Self Test, 120lm(O) or 130lm(C)	Sold Separately	229

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), 2 years (on-site)

Features & benefits

UGR25 compliant for comfortable lighting of washrooms, bathrooms, cloakrooms as well as general circulation and stairs

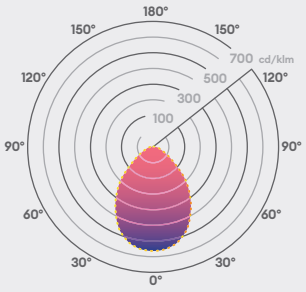
IP54 protection against water splash from any direction

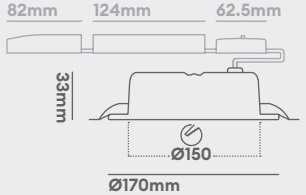
Low 33mm product depth enables product to be used with small ceiling voids

TP(a) Thermoplastic

850° Glow Wire Test

Beam angle: 90°





Colour temperature switchable, 3000K-4000K-6500K

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Guarantee

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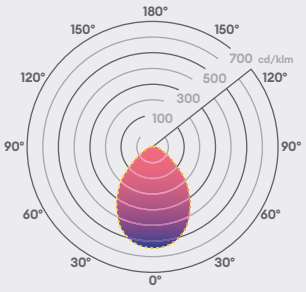
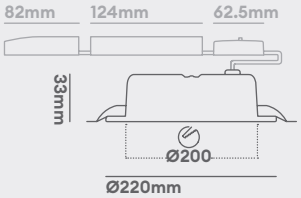
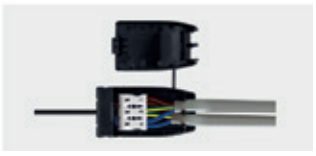






Thea Lite CSP 200mm

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 AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, using converter

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Insulation coverable	No
Cut out size (mm)	200
Inrush current	THL_N: 2.5A 0.03ms THL_X: 2.5A 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 - 40°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	Colour	∠	lm	lm/W	Energy
THL3T	Mains dimmable	White RAL9003	20W	3000K	90°	2200	110	
				4000K	90°	2400	120	C
				6500K	90°	2400	120	
THL3X	DALI-2 / 0-10V / Push-Dim	White RAL9003	20W	3000K	90°	2200	110	
				4000K	90°	2400	120	C
				6500K	90°	2400	120	
THLB3T	Mains dimmable	Matt Black RAL9005	20W	3000K	90°	2050	103	
				4000K	90°	2250	113	C
				6500K	90°	2250	113	
THLB3X	DALI-2 / 0-10V / Push-Dim	Matt Black RAL9005	20W	3000K	90°	2050	103	
				4000K	90°	2250	113	C
				6500K	90°	2250	113	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm²
Type of wiring required	Parallel

Accessories

PS250600MA	Power supply, IP20, 13-29W, CC, 250-600mA, DALI-2, 1-10V, Push-Dim	Sold Separately	300
LEDEP10	Emergency converter, Self-test, 220lm	Sold Separately	232
LEDEP10DA	Emergency converter, DALI-2 Addressable	Sold Separately	233
EMRWMAN	Salvus Route White, Man-Test, 120lm(O) or 130lm(C)	Sold Separately	229
EMRWST	Salvus Route White, Self Test, 120lm(O) or 130lm(C)	Sold Separately	229

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 AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	No

Installation information

Install connector type	Flying lead
Insulation coverable	No
Cut out size (mm)	120-200
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	CCT	∠°	lm	lm/W	Energy
CDL0218S	Switchable wattage & switchable CCT	Matt white	12W	3000K	110°	1250	104	E
				4000K	110°	1450	120	
				6000K	110°	1400	116	
			18W	3000K	110°	1650	92	
				4000K	110°	2000	111	
				6000K	110°	1800	100	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Flying lead 2x 0.75mm², 155mm.
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

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

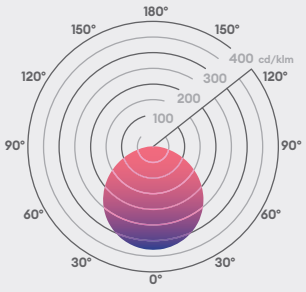
Flicker free, making it comfortable on the eye

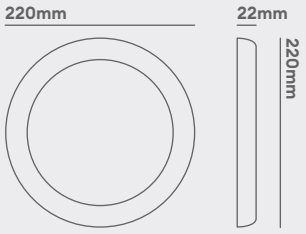
Has a slim profile for an aesthetic finish

IP44 rating makes it suitable for use in kitchens and bathrooms

Tool free twist and lock bracket for ease of installation

Beam angle: 110°





Commercial Downlights

Colour switchable between 2700K, 3000K and 4000K

PIR light for switching lights OFF that keep getting left ON

110lm/W + High efficacy up to 113lm/W

Guarantee

5 years (product), 5 years (emergency)

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 daylight

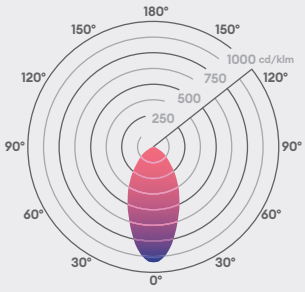
Switched live out to other lights up to 200W (max 30 H2 Sense)

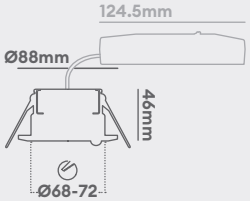
Fire-rated Downlight

Emergency options available with LEDEP14 or LEDEP15

Bezel sold seperately

Beam angle: 50°





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 AC
LED lifetime	L70 B10 44,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes, using LEDEP14 / LEDEP15 (sold separately)

Installation information

Install connector type	Integrated terminals, loop-in/loop-out
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	68-72
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 - 40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠	lm	lm/W	Energy
DLSENSE	Switchable CCT	Bezel sold separately	6W	2700K	50°	600	100	
				3000K	50°	650	108	E
				4000K	50°	675	113	

Energy rating is a reflection of the LED light source.

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

DLSEN_BEZP	H2 Sense Bezel with PIR (Replace _ with W for White, B for Black & S for Brushed Steel)	Sold Separately
DLSEN_BEZ	H2 Sense Bezel without PIR (Replace _ with W for White, B for Black & S for Brushed Steel)	Sold Separately
LEDEP14	H2 Sense Stand Alone EM Converter 2.5w	Sold Separately
LEDEP15	H2 Sense Primary Switching EM Converter 2.5w	Sold Separately
DLCONVERT70	Convertor plate for 170mm diameter	Sold Separately

H2 Deco CSP White

Wattage & CCT Switchable Architectural Downlight

Designed for living spaces to suit architectural decor

True low glare UGR19 as opposed to perceived low glare

Wattage Switch enables range from 500 up to 900 lumens

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	19
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 B10 44,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	72-75
Bathroom zone	1
Inrush current	5A 150us
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	300g
Maximum ambient temperature	-10°C - 40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠°	lm	lm/W	Energy
H2D1WHIWHI	Switchable wattage & switchable CCT	White Bezel	6.5W	2200K	40°	550	85	E
				2700K	40°	600	92	
				3000K	40°	650	100	
				4000K	40°	700	108	
			10W	2200K	40°	750	75	
				2700K	40°	900	90	
				3000K	40°	950	95	
				4000K	40°	1000	100	

Energy rating is a reflection of the LED light source.

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	
DM298FP	Faceplate dimmer	Sold Separately	
LEDEP10EM	Manual-test emergency converter	Sold Separately	231
LEDEP10	Self-test emergency converter	Sold Separately	232

Guarantee

5 years (product)

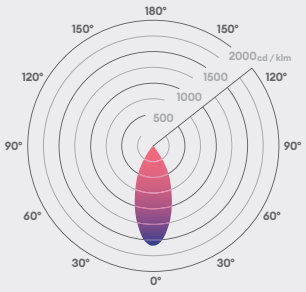
Features & benefits

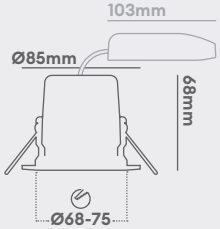
CCT Switchable Product enables colour temperature choice between 2200K-2700K-3000K-4000K

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 living spaces to suit architectural decor

True low glare UGR19 as opposed to perceived low glare

Wattage Switch enables range from 500 up to 900 lumens

Guarantee

5 years (product)

Features & benefits

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

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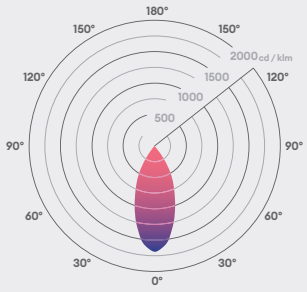
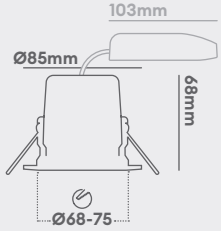




H2 Deco CSP Black & white

Wattage & CCT Switchable Architectural Downlight

Features

IP rating	IP65 (from below) IP20 (from above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	19
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 B10 44,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	72-75
Bathroom zone	1
Inrush current	5A 150us
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	300g
Maximum ambient temperature	-10°C - 40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠°	lm	lm/W	Energy
H2D1BLKWHI	Switchable wattage & switchable CCT	White Bezel	6.5W	2200K	40°	500	77	
				2700K	40°	550	85	
				3000K	40°	600	92	
				4000K	40°	650	100	
			10W	2200K	40°	650	65	
				2700K	40°	750	75	
				3000K	40°	850	85	
				4000K	40°	900	90	

Energy rating is a reflection of the LED light source.

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	
DM298FP	Faceplate dimmer	Sold Separately	
LEDEP10EM	Manual-test emergency converter	Sold Separately	231
LEDEP10	Self-test emergency converter	Sold Separately	232

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
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 B10 44,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3
Emergency option	Yes, using converter

Installation information

Install connector type	Loop in / Loop out
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	72-75
Bathroom zone	1
Inrush current	5A 150us
Construction material	Mild steel / PC
Maximum ceiling thickness	40 mm
Weight	300g
Maximum ambient temperature	-10°C - 40°C
SELV	Yes
Building regulations	Part B, C, E, P & L
Ceiling joist approvals	Solid Timber 30/60/90min, I-Joist 30min, Metal Web 30min
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠°	lm	lm/W	Energy
H2D1BLKBLK	Switchable wattage & switchable CCT	Black Bezel	6.5W	2200K	40°	500	77	
				2700K	40°	550	85	
				3000K	40°	600	92	
				4000K	40°	650	100	
			10W	2200K	40°	650	65	
				2700K	40°	750	75	
				3000K	40°	850	85	
				4000K	40°	900	90	

Energy rating is a reflection of the LED light source.

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	
DM298FP	Faceplate dimmer	Sold Separately	
LEDEP10EM	Manual-test emergency converter	Sold Separately	231
LEDEP10	Self-test emergency converter	Sold Separately	232

Designed for living spaces to suit architectural decor

True low glare UGR19 as opposed to perceived low glare

Wattage Switch enables range from 500 up to 900 lumens

Guarantee

5 years (product)

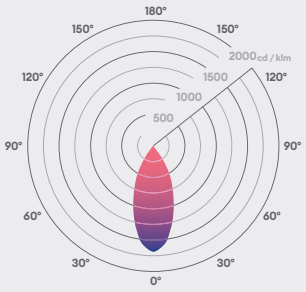
Features & benefits

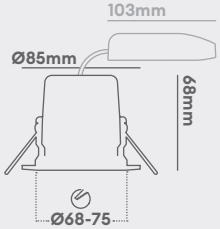
CCT Switchable Product enables colour temperature choice between 2200K-2700K-3000K-4000K

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

120lm/W High efficacy of 120lm/W

Insulation coverable

Guarantee

7 years (product), 5 years (emergency)

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

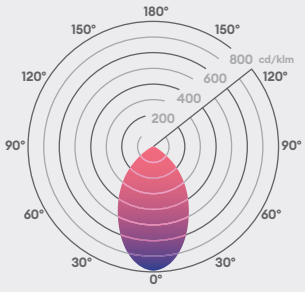
Compatible with magnetic reflectors (sold separately), Supplied with silver reflector

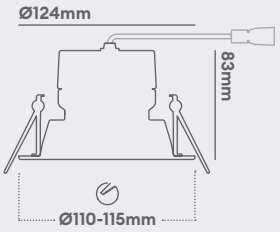
Quick and easy installation with plug and play connector

Emergency version available

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

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 AC
LED lifetime	L70 70,000h
CRI	CRI>80
SDCM	SDCM4
Emergency option	Yes

Installation information

Install connector type	Plug & Play
Insulation coverable	Rolled and blown insulation
Cut out size (mm)	110-115
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 30/60/90min, I-Joist 30min
Electric class (1, 2, 3)	2

Photometrics @ 25°C

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

Replace "M" at the end of the code with "V" for the 1-10V version.

Energy rating is a reflection of the LED light source.

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	104
DM298FP	Faceplate dimmer	Sold Separately	
DM298GRID	Grid dimmer	Sold Separately	
DLCVT170	H5 converter plate	Sold Separately	
LEDEP10	Emergency converter	Sold Separately	232

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 AC
LED lifetime	L70 70,000h
CRI	CRI>80
SDCM	SDCM4
Emergency option	Yes

Installation information

Install connector type	Plug & Play
Insulation coverable	No
Cut out size (mm)	110-115
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 30/60/90min, I-Joist 30min
Electric class (1, 2, 3)	2

Photometrics @ 25°C

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

Replace "M" at end of code with "D" for the DALI version or "V" for the 1-10V version. Add "EM" to the end of the part code for the emergency version. Energy rating is a reflection of the LED light source.

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	104
DM298FP	Faceplate dimmer	Sold Separately	
DM298GRID	Grid dimmer	Sold Separately	
DLCVT170	H5 converter plate	Sold Separately	
LEDEP10	Emergency converter	Sold Separately	232

Colour switchable between 2700K, 3000K and 4000K

101lm/W High efficacy of 101lm/W

Insulation coverable

Guarantee

7 years (product), 5 years (emergency)

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

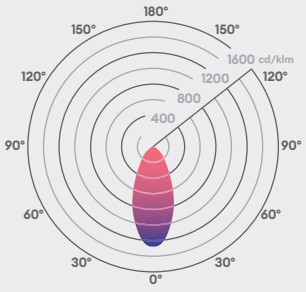
Compatible with magnetic reflectors (sold separately), Supplied with silver reflector

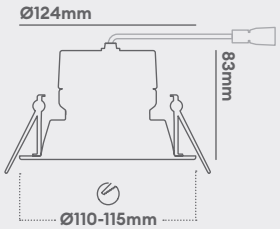
Quick and easy installation with plug and play connector

Emergency version available

When using a converter plate, the IP rating is not affected; however, the product is no longer fire-rated.

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

Type	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 102	H5 1000 Page 103
H5REFB	●	●
H5REFC	●	●
H5REFG	●	●
H5REFW	●	●

IP20 perfect for internal applications

DALI dimmable option available

CRI 80 providing true colour appearance

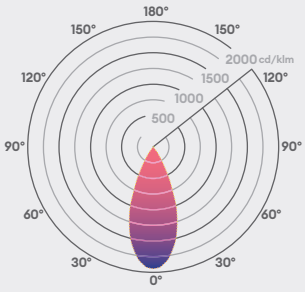
Guarantee

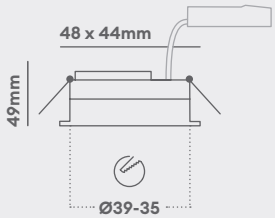
5 years

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	No
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	39x35
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.140
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
DO500WW05	Black	3W	3000K	45°	320	58	
DO500WW05DA	Black	3W	3000K	45°	320	58	
DO500WW30	White	3W	3000K	45°	320	58	
DO500WW30DA	White	3W	3000K	45°	320	58	

Energy rating is a reflection of the LED light source.

Wiring information

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

Accessories

N/A (No Accessories required)

DOTS 6W

6W Recessed spotlight

Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	No
Rotatable	No
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	93x35
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.250
Maximum ambient temperature	-20°C - 45°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	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	
DO496WW30DA	White	6W	3000K	45°	470	58	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5 mm²
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

IP20 perfect for internal applications

DALI dimmable option available

CRI 80 providing true colour appearance

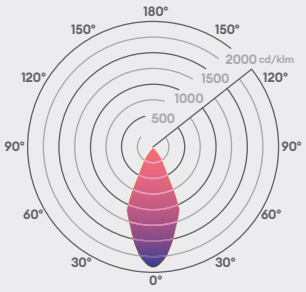
Guarantee

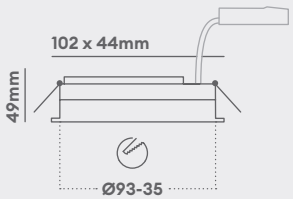
5 years

Features & benefits

Remote dimmable converter supplied

Beam angle: 45°





IP20 perfect for internal applications

DALI dimmable option available

CRI 80 providing true colour appearance

Guarantee

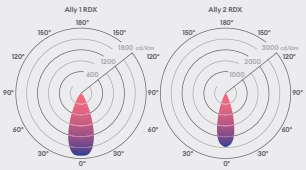
5 years

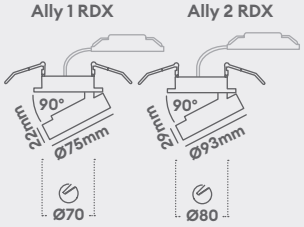
Features & benefits

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 AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

Cut out size (mm)	DO527 70 DO528 80
Bathroom zone	N/A
Inrush current	N/A
Construction material	Aluminium
Weight	0.354
Maximum ambient temperature	-30°C - 50°C
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
DO527WW05	Black	10W	3000K	38°	1025	72	E
DO527WW30	White	10W	3000K	38°	1025	72	E
DO528WW05	Black	14W	3000K	38°	1270	66	F
DO528WW30	White	14W	3000K	38°	1270	66	F

Energy rating is a reflection of the LED light source.

Wiring information

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

Accessories

CD123	Dimmable DALI constant current converter	Sold Separately

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 AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

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

Photometrics @ 25°C

Product code	Finish	W	CCT	∠	lm	lm/W	Energy
DO529WW05	Black	10W	3000K	38°	1025	72	E
DO529WW30	White	10W	3000K	38°	1025	72	E
DO530WW05	Black	14W	3000K	38°	1270	66	F
DO530WW30	White	14W	3000K	38°	1270	66	F

Energy rating is a reflection of the LED light source.

Wiring information

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

Accessories

CD123	Dimmable DALI constant current converter	Sold Separately

IP20 **IP20 perfect for internal applications**

Dim **DALI dimmable option available**

>80Ra **CRI 80 providing true colour appearance**

Guarantee

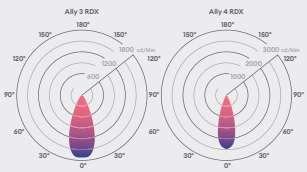
5 years

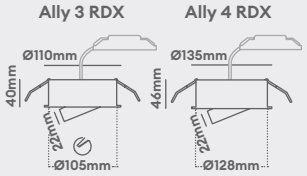
Features & benefits

Recessed ceiling mounting only

Quick and easy installation with springs

Beam angle: 38°





Bulkheads & Wall lights

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
WL95 Versa (3000K, 4000K & 6000K).
WL94 (3000K, 4000K & 6500K).

Advantages

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

3000K

4000K

6000K

Wattage switchable: one light, three wattage outputs

Our WL95 Versa range of wattage switchable bulkhead allows you to stock 3 wattage outputs in 1 product.

Advantages

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

Lower output

Medium output

Higher output

Quick & easy installation

WL94 bulkhead come with push-fit terminals and detachable bracket for quick & easy installation.

Push-fit terminals.

Removable twist and lock panel for easy access.

Simply push the quick release button to detach the bracket.

IP44 or IP65

WL94 - IP44 rated and are suitable for indoor.
WL95 - IP65 rated making it perfect for outdoors

WL95 Versa bulkheads comes with detachable push-fit terminals for convenient wiring, 4 way conduit entry points, BESA mountable and packaged for quick & easy installation.

Detachable Push-fit terminal.

4 x Conduit entry points

Packed in the correct order to install

WL95 Versa plug in kits available

Microwave

Microwave + Photocell plug-in options

Emergency

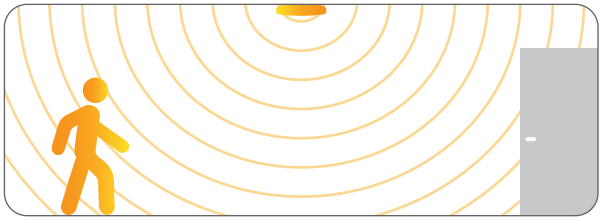
Manual-test, Self-test DALI-2 test plug-in options

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.

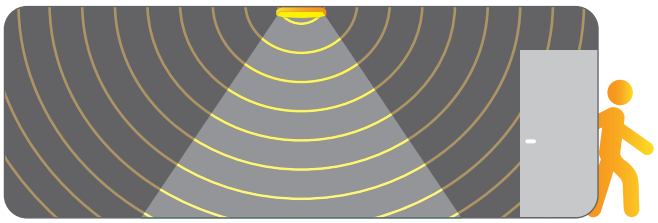


Insufficent daylight

With insufficent daylight, when movement detected, light turns on.

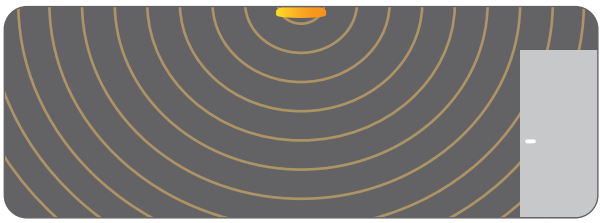
Hold time

After last detection, light will be dimmed down to stand-by dimming level.



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

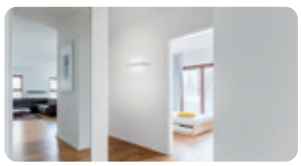
Offering a five-year warranty, so you can be assured of our commitment to quality.

Light source

Single or Bi-directional options

Single

Bi-directional



CCT switchable between 3000K, 4000K & 6000K

Wattage switchable options from 5W to 8W

IK09 for impact protection

Guarantee

5 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

IP65 suitable for use outside under a canopy

Slim depth of just 80mm

Ultra efficient up to 154 Llm/W for fast paybacks

4-way conduit entry points

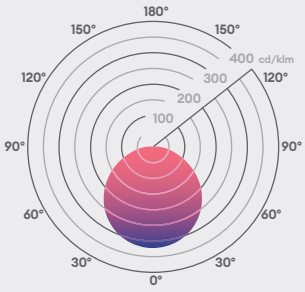
Detachable terminal block for convenient wiring

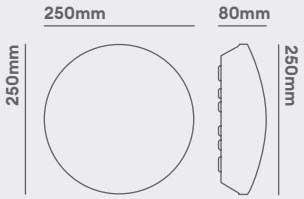
Modular design for tool-less installation

Versabox plug and play kit range to accommodate project requirements

BESA mountable

Beam angle: 115°





WL95 Versa 250mm White 5-8W

CCT Colour & Wattage Switchable Bulkhead with plug-in Versabox accessories

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave + Photocell options
Dimmable option	Yes (DALI-2)
Input	220-240V AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM4
Emergency option	Yes, Manual, Self and DALI-2 Test

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Bathroom zone	2
Inrush current	8W: 14A 0.12ms, 20W: 25A 0.26ms
Construction material	ABS Housing (RAL9003), Anti-UV Diffuser, 850°
Weight	0.6 - 0.9kg
Maximum ambient temperature	-20°C - 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
WL95W2DCS	250mm DALI-2	White	5W	3000K	115°	700	140	
				4000K	115°	750	150	
				6000K	115°	750	150	
			6.5W	3000K	115°	950	146	
				4000K	115°	1000	154	
				6000K	115°	1000	154	
			8W	3000K	115°	1200	150	
				4000K	115°	1250	156	
				6000K	115°	1250	156	
WL95W2NCS	250mm On-Off	White	5W	3000K	115°	700	140	
				4000K	115°	750	150	
				6000K	115°	750	150	
			6.5W	3000K	115°	950	146	
				4000K	115°	1000	154	
				6000K	115°	1000	154	
			8W	3000K	115°	1200	150	
				4000K	115°	1250	156	
				6000K	115°	1250	156	

*To order an On-Off Emergency variant, replace 'N' at the end of the part code with: 'NEM' for Manual-test, 'NE' for Self-Test, 'ED' for DALI-2 Test. To order a DALI-2 Emergency variant, replace 'D' at the end of the part code with: 'DED' for DALI-2 Test. Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Push-fit terminals, 2.5mm² max, loop-in/loop-out.
Type of wiring required	Parallel

Accessories

See Versabox accessories page 118

WL95 Versa 250mm Black 5-8W

CCT Colour & Wattage Switchable Bulkhead with plug-in Versabox accessories

CCT switchable between 3000K, 4000K & 6000K

Wattage switchable options from 5W to 8W

IK09 for impact protection

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave + Photocell options
Dimmable option	Yes (DALI-2)
Input	220-240V AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM4
Emergency option	Yes, Manual, Self and DALI-2 Test

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Bathroom zone	2
Inrush current	8W: 14A 0.12ms, 20W: 25A 0.26ms
Construction material	ABS Housing (RAL9003), Anti-UV Diffuser, 850°
Weight	0.6 - 0.9kg
Maximum ambient temperature	-20°C - 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
WL95B2DCS	250mm DALI-2	Black	5W	3000K	115°	700	140	
				4000K	115°	750	150	
				6000K	115°	750	150	
			6.5W	3000K	115°	950	146	
				4000K	115°	1000	154	
				6000K	115°	1000	154	
			8W	3000K	115°	1200	150	
				4000K	115°	1250	156	
				6000K	115°	1250	156	
WL95B2NCS	250mm On-Off	Black	5W	3000K	115°	700	140	
				4000K	115°	750	150	
				6000K	115°	750	150	
			6.5W	3000K	115°	950	146	
				4000K	115°	1000	154	
				6000K	115°	1000	154	
			8W	3000K	115°	1200	150	
				4000K	115°	1250	156	
				6000K	115°	1250	156	

*To order an On-Off Emergency variant, replace 'N' at the end of the part code with: 'NEM' for Manual-test, 'NE' for Self-Test, 'ED' for DALI-2 Test. To order a DALI-2 Emergency variant, replace 'D' at the end of the part code with: 'DED' for DALI-2 Test. Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Push-fit terminals, 2.5mm² max, loop-in/loop-out.
Type of wiring required	Parallel

Accessories

See Versabox accessories page 118

Guarantee

5 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

IP65 suitable for use outside under a canopy

Slim depth of just 80mm

Ultra efficient up to 154 Llm/W for fast paybacks

4-way conduit entry points

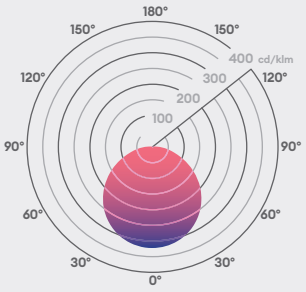
Detachable terminal block for convenient wiring

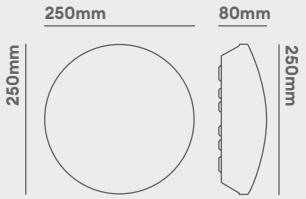
Modular design for tool-less installation

Versabox plug and play kit range to accommodate project requirements

BESA mountable

Beam angle: 115°





CCT switchable between 3000K, 4000K & 6000K

Wattage switchable options from 10W to 20W

IK09 for impact protection

Guarantee

5 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

IP65 suitable for use outside under a canopy

Slim depth of just 80mm

Ultra efficient up to 154 Llm/W for fast paybacks

4-way conduit entry points

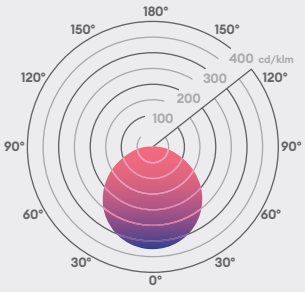
Detachable terminal block for convenient wiring

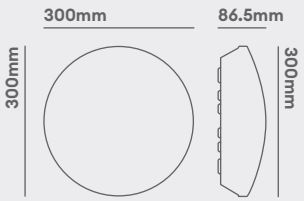
Modular design for tool-less installation

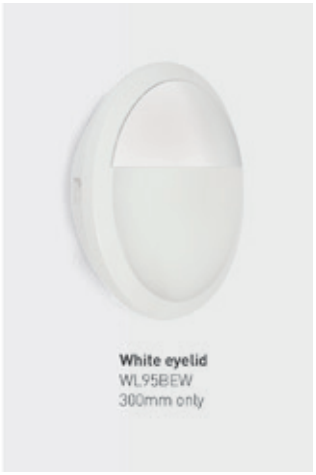
Versabox plug and play kit range to accommodate project requirements

BESA mountable

Beam angle: 115°







WL95 Versa 300mm White 10-20W

CCT Colour & Wattage Switchable Bulkhead with plug-in Versabox accessories

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave + Photocell options
Dimmable option	Yes (DALI-2)
Input	220-240V AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM4
Emergency option	Yes, Manual, Self and DALI-2 Test

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Bathroom zone	2
Inrush current	8W: 14A 0.12ms, 20W: 25A 0.26ms
Construction material	ABS Housing (RAL9003), Anti-UV Diffuser, 850°
Weight	0.6 - 0.9kg
Maximum ambient temperature	-20°C - 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
WL95W3DCS	300mm DALI-2	White	10W	3000K	115°	1450	140	
				4000K	115°	1500	150	C
				6000K	115°	1500	150	
			15W	3000K	115°	2100	140	
				4000K	115°	2200	147	C
				6000K	115°	2200	147	
			20W	3000K	115°	2800	140	
				4000K	115°	3000	150	C
				6000K	115°	3000	150	
WL95W3NCS	300mm On-Off	White	10W	3000K	115°	1450	145	
				4000K	115°	1500	150	C
				6000K	115°	1500	150	
			15W	3000K	115°	2100	140	
				4000K	115°	2200	147	C
				6000K	115°	2200	147	
			20W	3000K	115°	2800	140	
				4000K	115°	3000	150	C
				6000K	115°	3000	150	

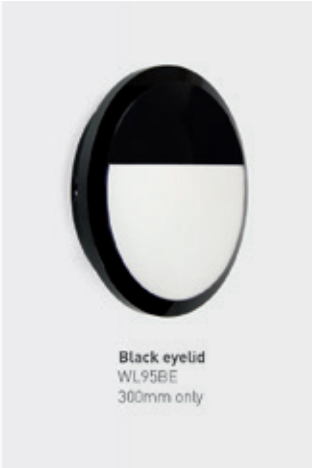
*To order an On-Off Emergency variant, replace 'N' at the end of the part code with: 'NEM' for Manual-test, 'NE' for Self-Test, 'ED' for DALI-2 Test. To order a DALI-2 Emergency variant, replace 'D' at the end of the part code with: 'DED' for DALI-2 Test. Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Push-fit terminals, 2.5mm² max, loop-in/loop-out.
Type of wiring required	Parallel

Accessories

See Versabox accessories page 118



WL95 Versa 300mm Black 10-20W

CCT Colour & Wattage Switchable Bulkhead with plug-in Versabox accessories

CCT switchable between 3000K, 4000K & 6000K

Wattage switchable options from 10W to 20W

IK09 for impact protection

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave + Photocell options
Dimmable option	Yes (DALI-2)
Input	220-240V AC
LED lifetime	L70 50,000h
CRI	CRI>80
SDCM	SDCM4
Emergency option	Yes, Manual, Self and DALI-2 Test

Installation information

Install connector type	Push-fit terminal, loop-in/loop-out
Bathroom zone	2
Inrush current	8W: 14A 0.12ms, 20W: 25A 0.26ms
Construction material	ABS Housing (RAL9003), Anti-UV Diffuser, 850°
Weight	0.6 - 0.9kg
Maximum ambient temperature	-20°C - 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
WL95B3DCS	300mm DALI-2	Black	10W	3000K	115°	1450	140	
				4000K	115°	1500	150	
				6000K	115°	1500	150	
			15W	3000K	115°	2100	140	
				4000K	115°	2200	147	
				6000K	115°	2200	147	
			20W	3000K	115°	2800	140	
				4000K	115°	3000	150	
				6000K	115°	3000	150	
WL95B3NCS	300mm On-Off	Black	10W	3000K	115°	1450	145	
				4000K	115°	1500	150	
				6000K	115°	1500	150	
			15W	3000K	115°	2100	140	
				4000K	115°	2200	147	
				6000K	115°	2200	147	
			20W	3000K	115°	2800	140	
				4000K	115°	3000	150	
				6000K	115°	3000	150	

*To order an On-Off Emergency variant, replace 'N' at the end of the part code with: 'NEM' for Manual-test, 'NE' for Self-Test, 'ED' for DALI-2 Test. To order a DALI-2 Emergency variant, replace 'D' at the end of the part code with: 'DED' for DALI-2 Test. Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Push-fit terminals, 2.5mm² max, loop-in/loop-out.
Type of wiring required	Parallel

Accessories

See Versabox accessories page 118

Guarantee

5 years (product), 5 years (battery), 2 years (on-site)

Features & benefits

IP65 suitable for use outside under a canopy

Slim depth of just 80mm

Ultra efficient up to 154 Llm/W for fast paybacks

4-way conduit entry points

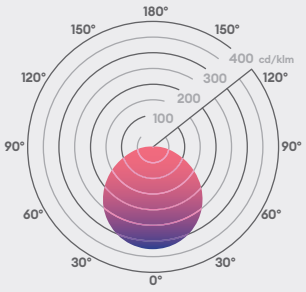
Detachable terminal block for convenient wiring

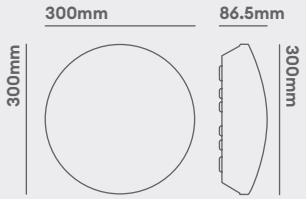
Modular design for tool-less installation

Versabox plug and play kit range to accommodate project requirements

BESA mountable

Beam angle: 115°





WL95 Versa accessories

Choose the ideal accessories for your bulkhead

Create the functionality and lit effect you need for your installation.

Use the tables below to choose the perfect accessory for your product

	WLKITPC	WLKITMWS	WLKITMANEM	WLKITSELFEM	WLKITDALIEM	WL95BEW (300mm only)	WL95BE (300mm only)
Accessory							

Product codes

Product Code	Finish	Description	Guarantee
WLKITPC	-	Photocell plug-in kit	5 years
WLKITMWS	-	Microwave Sensor On/Off plug-in kit	5 years
WLKITMANEM	-	Manual-test emergency plug-in	5 years
WLKITSELFEM	-	Self-test emergency plug-in	5 years
WLKITDALIEM	-	DALI-2-test emergency plug-in (Assembled by Collingwood production)	5 years
WL95BEW	White	WL95 Bulkhead accessory - White eyelid (300mm only)	5 years
WL95BE	Black	WL95 Bulkhead accessory - Black eyelid (300mm only)	5 years

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

Compatible with

	WL95 Versa Page 114-117
WLKITPC	●
WLKITMWS	●
WLKITMANEM	●
WLKITSELFEM	●
WLKITDALIEM	●*
WL95BEW (300mm only)	●
WL95BE (300mm only)	●

* Assembled on demand by Collingwood production

CCT switchable between 3000K, 4000K & 6500K

Quick and easy installation bracket

Emergency option available

Guarantee

3 years

Features & benefits

High efficacy of 110lm/W

IP44 rating: suitable for use in kitchens and bathrooms.

Diffuser design makes a halo effect on the wall or ceiling

Easy access push fit terminals

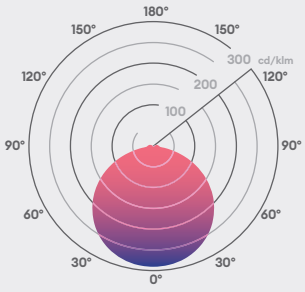
Innovative clip-on bracket design

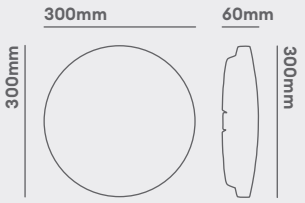
Straight to mains

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 AC
LED lifetime	L70 35,000h
CRI	CRI>80
SDCM	SDCM6
Emergency option	Yes, Manual-Test

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°C - 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
WL9410CCS	Emergency Microwave sensor	White	10W	3000K	120°	1000	100	D
				4000K	120°	1100	110	
				6500K	120°	1100	110	
WL9410ECS	Emergency	White	10W	3000K	120°	1000	100	E
				4000K	120°	1100	110	
				6500K	120°	1100	110	
WL9410MCS	Microwave sensor	White	10W	3000K	120°	1000	100	D
				4000K	120°	1100	110	
				6500K	120°	1100	110	
WL9410SCS	Standard	White	10W	3000K	120°	1000	100	E
				4000K	120°	1100	110	
				6500K	120°	1100	110	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Push-fit terminals 1.5mm² max.
Type of wiring required	Parallel

Accessories

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 AC
LED lifetime	L70 35,000h
CRI	CRI>80
SDCM	SDCM6
Emergency option	Yes, Manual-Test

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°C - 40°C
Mounting options	Ceiling & wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
WL9418CCS	Emergency Microwave sensor	White	18W	3000K	120°	1800	100	D
				4000K	120°	2000	111	
				6500K	120°	2000	111	
WL9418ECS	Emergency	White	18W	3000K	120°	1800	100	E
				4000K	120°	2000	111	
				6500K	120°	2000	111	
WL9418MCS	Microwave sensor	White	18W	3000K	120°	1800	100	D
				4000K	120°	2000	111	
				6500K	120°	2000	111	
WL9418SCS	Standard	White	18W	3000K	120°	1800	100	E
				4000K	120°	2000	111	
				6500K	120°	2000	111	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Push-fit terminals 1.5mm² max.
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

CCT switchable between 3000K, 4000K & 6500K

Quick and easy installation bracket

Emergency option available

Guarantee

3 years

Features & benefits

High efficacy of 111lm/W

IP44 rating: suitable for use in kitchens and bathrooms.

Diffuser design makes a halo effect on the wall or ceiling

Easy access push fit terminals

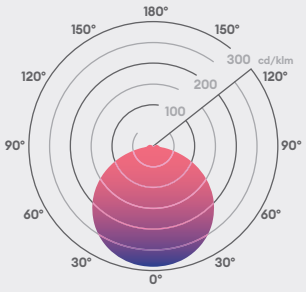
Innovative clip-on bracket design

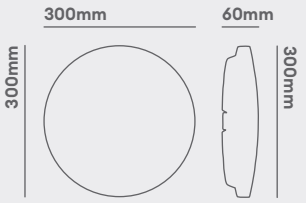
Straight to mains

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°





IK10 for robust protection

IP20 Perfect for internal applications

>90Ra CRI 90 providing true colour appearance

Guarantee

5 years

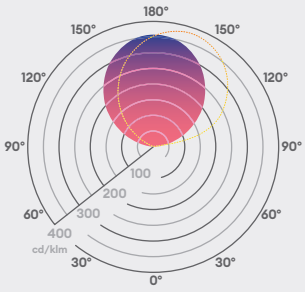
Features & benefits

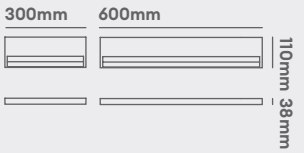
Suitable for use in sport centres, gyms or halls

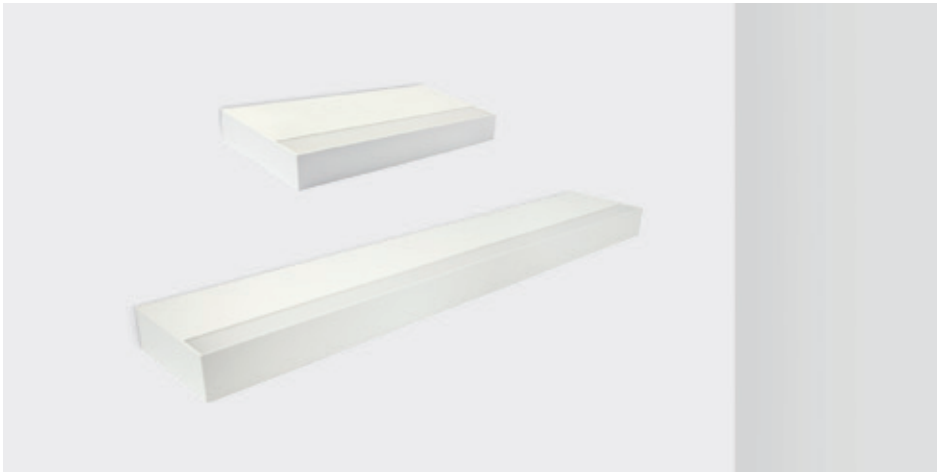
Intergal emergency option available for 600mm variant on request

Also available in Black on request

Beam angle: 110°







PLANK 1

Decorative wall light providing uplight

Features

IP rating	IP20
CSP switchable	Single CCT
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L70 50,000h
CRI	CRI>90
SDCM	SDCM3

Installation information

Bathroom zone	N/A
Inrush current	10A
Construction material	Aluminium
Weight	0.779kg
Maximum ambient temperature	-10°C - 30°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	Type	W	CCT	∠°	lm	lm/W	Energy
PK30/1A/3K/W	Matt white	300mm	20W	3000K	110°	1760	91	E
PK30/1A/4K/W	Matt white	300mm	20W	4000K	110°	1910	97	E
PK60/1A/3K/W	Matt white	600mm	40W	3000K	110°	3775	92	E
PK60/1A/4K/W	Matt white	600mm	40W	4000K	110°	4090	100	E

Energy rating is a reflection of the LED light source.

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 AC
LED lifetime	L70 50,000h
CRI	CRI>90
SDCM	SDCM3

Installation information

Bathroom zone	N/A
Inrush current	10A
Construction material	Aluminium
Weight	0.846kg
Maximum ambient temperature	-10°C - 30°C
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	Type	W	CCT	∠°	lm	lm/W	Energy
PK30/2A/3K/W	Matt white	300mm	2x16W	3000K	110°	2x1105	93	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	E
PK60/2A/4K/W	Matt white	600mm	2x32W	4000K	110°	2x3055	101	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-1.5mm2
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

IK10 **IK10 for robust protection**

IP20 **Perfect for internal applications**

>90Ra **CRI 90 providing true colour appearance**

Guarantee

5 years

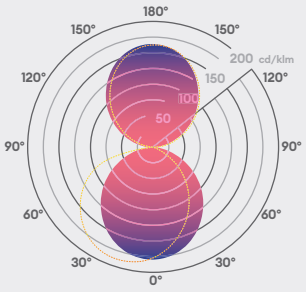
Features & benefits

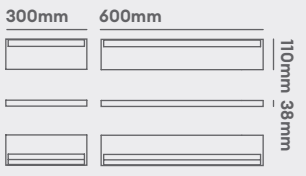
Suitable for use in sport centres, gyms or halls

Intergal emergency option available for 600mm variant on request

Also available in Black on request

Beam angle: 110°





FULLA

Decorative LED wall light

Features

IP rating	IP20
CSP switchable	Single CCT
Tiltable	No
Rotatable	No
Dimmable option	Yes
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

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

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
WA169WW30	White	2x7W	3000K	NA	1900	95	E

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.75-2.5mm², AWG18-14
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

IP20 **Perfect for internal applications**

>90Ra **CRI 90 providing true colour appearance**

Staight to mains for easy installation

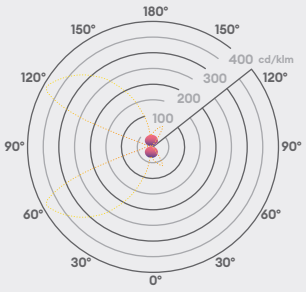
Guarantee

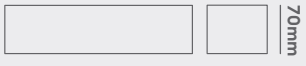
3 years

Features & benefits

Dimmable option available

Beam angle: NA





1.6W 1.6W

Coastal protected

IP65 IP65 ideal for outdoor environments

Guarantee

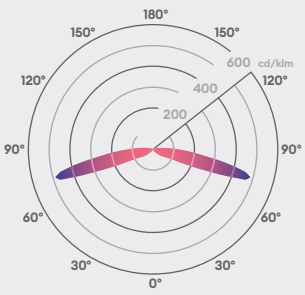
7 years

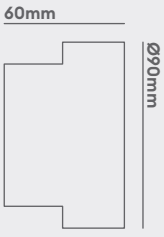
Features & benefits

Unique radial appearance creates a decorative lit effect on surrounding surfaces

Straight to mains for easy installation

Complete with bracket and waterproof crimp connectors





WL041IP

Straight to mains, fan effect LED wall light

Features

IP rating	IP65
CSP switchable	Single CCT
Tiltable	No
Rotatable	No
Dimmable option	No
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	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	W	CCT	lm	lm/W	Energy
WL041 IP WW	Silver	1.6W	3000K	33	21	F

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.3m
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

ML01

Decorative LED mini light

Coastal protected

1W at 350mA

IP68 ideal for outdoor areas and extreme weather

Features

IP rating	IP68
CSP switchable	Single CCT
Tiltable	No
Rotatable	No
Dimmable option	Driver dependent
Input	350mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	26
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

Guarantee

7 years

Features & benefits

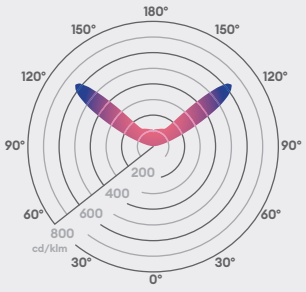
Small & discreet decorative recessed LED light

Perfect for discreet decorative light in interior and exterior applications

Photometrics @ 25°C

Product code	Finish	W	CCT	lm	lm/W	Energy
ML01 27	Silver	1W	2700K	3.5	3.5	F
ML01 WW	Silver	1W	3000K	3.6	3	F
ML01 NW	Silver	1W	4000K	4	4	F

Energy rating is a reflection of the LED light source.



Wiring information

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

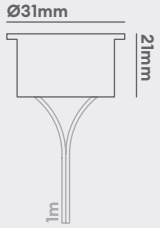
Recommended LED drivers

See pages 296-299 for complete LED driver offer

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	4-14
PSIP3509W	220-240V	Yes	No	0	1-8

Accessories

UY2 CONNECTOR	Quick waterproof connector	Sold Separately



2.7W 2.7W

Quick and easy installation

IP54 IP54 rated for interior use

Guarantee

5 years

Features & benefits

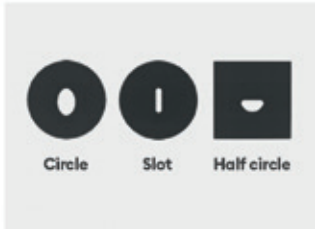
Interchangeble faceplate with magnetic design

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	No
Rotatable	No
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

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

Photometrics @ 25°C

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

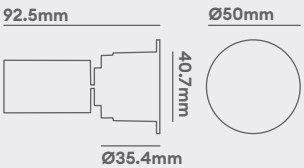
Energy rating is a reflection of the LED light source.

Wiring information

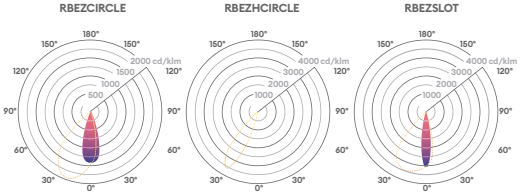
Cable / flying lead	170mm, 2x 0.75mm Live & Neutral
Type of wiring required	Parallel

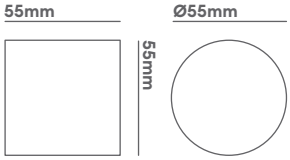
Accessories

Stepbeam Bezels	Round or Square, Circle, Half circle or slot bezels	Sold Separately	129



Beam angle: 30° to 45°





Stepbeam bezel accessories

Choose the ideal bezel for your Stepbeam

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

Type	Slot black	Slot satin chrome	Slot white	Circle black	Circle satin chrome	Circle white	Half circle black	Half circle satin chrome	Half circle white
Round bezel									
Square bezel									

Slot 30°

Circle 45°

Half circle 45°

Photometrics @ 25°C

Product code	Finish	Type	CCT	∠°	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

Strip Lights

Emergency equipment

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

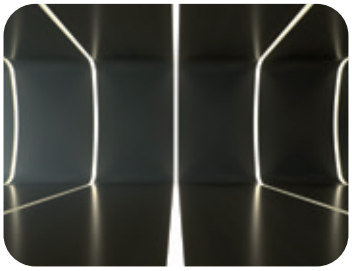
Ideal for when your strip will not be visible after installation.

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 rating

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

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

Primary or accent lighting?

Wattage

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?

CCT

2700K wamest

For a warm and intimate feel, use 2700K.

3000K warm

For the warmth of a halogen, use 3000K.

4000K neutral white

To replicate the look of daylight, use 2700K.

What length strip do you need?

Length

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.

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
IP20	4.8W/m	2700K	20m	LSC0227200
			Bespoke	LSC0227...
		3000K	20m	LSC0230200
			Bespoke	LSC0230...
		4000K	20m	LSC0240200
			Bespoke	LSC0240...
	9.6W/m	2700K	20m	LSC0527200
			Bespoke	LSC0527...
		3000K	20m	LSC0530200
			Bespoke	LSC0530...
		4000K	20m	LSC0540200
			Bespoke	LSC0540...
	14.4W/m	2700K	10m	LSC0427100
			Bespoke	LSC0427...
		3000K	10m	LSC0430100
			Bespoke	LSC0430...
		4000K	10m	LSC0440100
			Bespoke	LSC0440...
	17W/m	2700K	10m	LSC0627100
			Bespoke	LSC0627...
		3000K	10m	LSC0630100
			Bespoke	LSC0630...
		4000K	10m	LSC0640100
			Bespoke	LSC0640...

IP rating	Wattage	Colour temperature	Length	Product code
IP68	4.8W/m	2700K	20m	LSC8227200
			Bespoke	LSC8227...
		3000K	20m	LSC8230200
			Bespoke	LSC8230...
		4000K	20m	LSC8240200
			Bespoke	LSC8240...
	9.6W/m	2700K	20m	LSC8527200
			Bespoke	LSC8527...
		3000K	20m	LSC8530200
			Bespoke	LSC8530...
		4000K	20m	LSC8540200
			Bespoke	LSC8540...
	14.4W/m	2700K	10m	LSC8427100
			Bespoke	LSC8427...
		3000K	10m	LSC8430100
			Bespoke	LSC8430...
		4000K	10m	LSC8440100
			Bespoke	LSC8440...
	17W/m	2700K	10m	LSC8627100
			Bespoke	LSC8627...
		3000K	10m	LSC8630100
			Bespoke	LSC8630...
		4000K	10m	LSC8640100
			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
IP20	4.8W/m	2700K	5m	LSV0227050
			50m	LSV0227500
			Bespoke	LSV0227...
		3000K	5m	LSV0230050
			50m	LSV0230500
			Bespoke	LSV0230...
		4000K	5m	LSV0240050
			50m	LSV0240500
			Bespoke	LSV0240...
	9.6W/m	2700K	5m	LSV0527050
			50m	LSV0527500
			Bespoke	LSV0527...
		3000K	5m	LSV0530050
			50m	LSV0530500
			Bespoke	LSV0530...
		4000K	5m	LSV0540050
			50m	LSV0540500
			Bespoke	LSV0540...
IP44	4.8W/m	2700K	5m	LSV4227050
			Bespoke	LSV4227...
		3000K	5m	LSV4230050
			Bespoke	LSV4230...
		4000K	5m	LSV4240050
			Bespoke	LSV4240...
	9.6W/m	2700K	5m	LSV4527050
			Bespoke	LSV4527...
		3000K	5m	LSV4530050
			Bespoke	LSV4530...
		4000K	5m	LSV4540050
			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 code	Length (m)	Product code	Length (m)	Product code	Length (m)	Product code	Length (m)
001	0.1	051	5.1	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
IP20	8W/m	2700K	5m	**LSFA27050**
		3000K	5m	**LSFA30050**
		4000K	5m	**LSFA40050**

Dotless (LSP)

Flexible and adaptable. Ideal for various applications.

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

Neon (side bending)

Ideal for flat surfaces with a curved line of light.

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

Neon (top bending)

Ideal for flat surfaces with a curved line of light.

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

	RP7	RP28	SM7	SM28	C07	LSPLA21314	LSNS1217MPC	LSNS1217MAL	LSNS1217PPC	LSNS1217PAL	LSNS1217PFL	LSNT1312MPC	LSNT1312MAL	LSNT1312PPC	LSNT1312PAL	LSNT1312PFL
Profile information																
Mount	Recessed	Recessed	Surface mount	Surface mount	Corner	Plaster-in	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount	Surface mount
Type	Straight	Straight	Straight	Straight	Straight	Straight	Clip	Clip	Straight	Straight	Side bending	Clip	Clip	Straight	Straight	Top bending
Depth	7mm	28mm	7mm	28mm	7mm	10mm	19mm	28mm	19mm	28mm	12mm	15mm	19mm	15mm	19mm	14mm
Length	1m / 2m	1m / 2m	1m / 2m	1m / 2m	1m / 2m	2m	-	-	1m	1m	-	-	-	1m	1m	-
Flexible tape - Constant voltage																
LSV02	●	●	●	●	●											
LSV05	●	●	●	●	●											
LSV42	●	●	●	●	●											
LSV45	●	●	●	●	●											
SP50	●	●	●	●	●											
SP54	●	●	●	●	●											
Flexible tape - Current regulated																
LSC02	●	●	●	●	●											
LSC04	●	●	●	●	●											
LSC05	●	●	●	●	●											
LSC06	●	●	●	●	●											
LSC82		●		●												
LSC84		●		●												
LSC85		●		●												
LSC86		●		●												
Dotless																
LSFA	●	●	●	●	●											
LSP	●	●	●	●		●										
Neon strip																
LSNS73							●	●	●	●	●					
LSNS75							●	●	●	●	●					
LSNT73												●	●	●	●	●
LSNT75												●	●	●	●	●

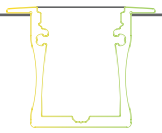
Choosing profile for LED strip

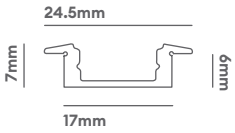
Find the ideal profile for your installation

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.



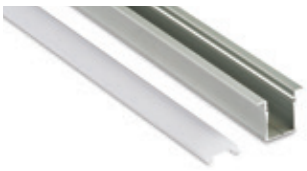


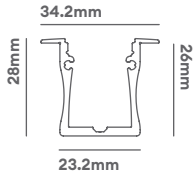
RP7

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

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

Accessories (supplied with profile)	
RP7ECA / RP7ECB End cap	





RP28

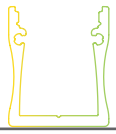
28mm deep recessed anodised aluminium profile and translucent diffuser

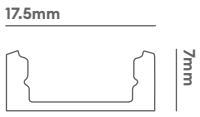
Product code	1m: RP28010 | 2m: RP28020
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied with profile)	
End cap	

Surface-mount

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



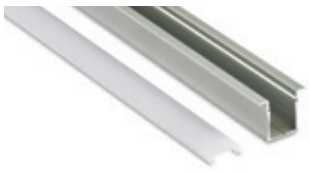


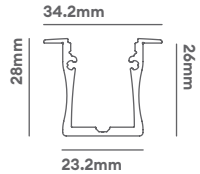
SM7

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

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

Accessories (supplied with profile)		Accessories (sold separately)
RP7ECA / RP7ECB End cap	**SM7MA** Mounting bracket	**SM7LC** Linear connector





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 (supplied with profile)	
SM28ECA End cap	**SM28MB** Mounting bracket

7mm deep profile

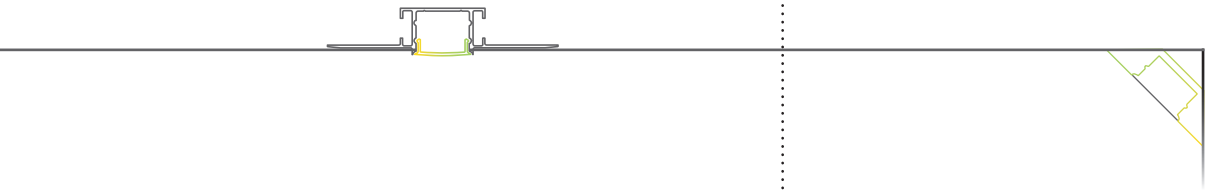
A thinner, recessed profile will fit into thinner materials. Using a slimmer, surface-mount profile allows for a more discreet output when surface mounted.

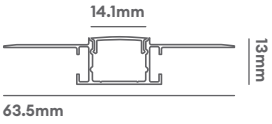
28mm deep profile

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.





LSPLA21314

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

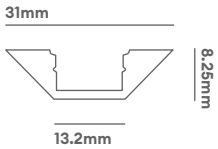
Product code	LSPLA21314
Construction material	Anodised aluminium & plastic diffuser
Guarantee	1 year

Accessories (supplied with profile)

4 x End caps

Surface-mount corner profile

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



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

Accessories (sold separately)

CO7ECA / CO7ECB
End cap

CO7MB
Mounting bracket

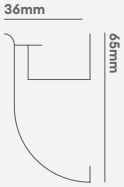
LED cove packs

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	1 year

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

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

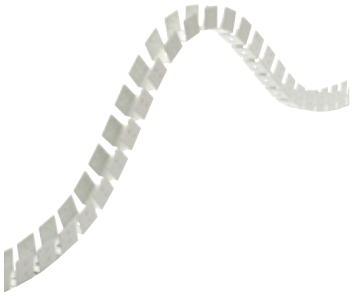
LSNT1312PAL

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 material	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

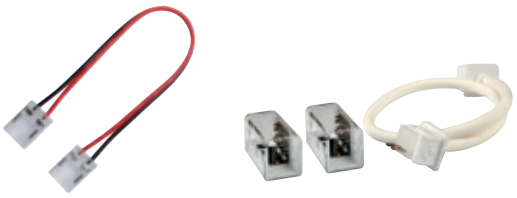
Use the matrix to find the perfect connectors for your LED strip

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.



	LSK2208SS	LSK2208SD	LSK2208FB	LSK2208LB	LSK2210SS	LSK2210SD	LSK2210FB	LSK2210LB	LSAFC122	LSAFCS122	LSAFD82	LSAFD82 with LSAD82F
Connector information												
Type	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
Flexible tape - Constant voltage												
LSV02	●	●	●	●								
LSV05	●	●	●	●								
LSV42												
LSV45												
Flexible tape - Current regulated												
LSC02					●	●	●	●				
LSC04									●	●		
LSC05									●	●		
LSC06									●	●		
LSC82												
LSC84												
LSC85												
LSC86												
Dotless												
LSFA											●	●
LSP					●	●	●	●				
Neon strip												
LSNS73												
LSNS75												
LSNT73												
LSNT75												

Fly-leads

Use a connector that adds fly-leads 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	LSNS1217E2P	LSNS1217L2P	LSNS1217R2P	LSNS1217SSF	LSNS1217SS	LSNS1217EC	LSNT1312B2P	LSNT1312E2P	LSNT1312L2P	LSNT1312R2P	LSNT1312SSF	LSNT1312SS	LSNT1312EC
	150mm fly-lead at bottom	150mm fly-lead at end	150mm fly-lead at left	150mm fly-lead at right	Strip to strip 150mm fly-lead	Strip to strip	End cap	150mm fly-lead at bottom	150mm fly-lead at end	150mm fly-lead at left	150mm fly-lead at right	Strip to strip 150mm fly-lead	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

	PS1524	PS3024B	PSMD3024	LSD6024
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*	1-10V*	Mains	1-10V*
DIN rail mount	No	No	No	No
Plug & Play	No	No	No	No
Flexible tape - Constant voltage				
LSV02	3.1m	6.2m	3.8-6.2m	12.5m
LSV05	1.5m	3.1m	1.9-3.1m	6.2m
LSV42	3.1m	6.2m	3.8-6.2m	12.5m
LSV45	1.5m	3.1m	1.9-3.1m	6.2m
Flexible tape - Current regulated				
LSC02	3.1m	6.2m	3.8-6.2m	12.5m
LSC04	1m	2m	1.3-2m	4.1m
LSC05	1.5m	3.1m	1.9-3.1m	6.2m
LSC06	0.8m	1.7m	1.1-1.7m	3.5m
LSC82	3.1m	6.2m	3.8-6.2m	12.5m
LSC84	1m	2m	1.3-2m	4.1m
LSC85	1.5m	3.1m	1.9-3.1m	6.2m
LSC86	0.8m	1.7m	1.1-1.7m	3.5m
Dotless				
LSFA	1.8m	3.7m	2.3-3.7m	7.5m
LSP	1m	2.1m	1.3-2.1m	4.2m
Neon strip				
LSNS73	2.3m	4.6m	2.8-4.6m	9.2m
LSNS75	1.5m	3.1m	1.9-3.1m	6.2m
LSNT73	2.3m	4.6m	2.8-4.6m	9.2m
LSNT75	1.5m	3.1m	1.9-3.1m	6.2m

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

	PSDIP6024	PS7524	PSDIP10024	PSMDIP10024	LSD12024	PSIP15024	PSDAL20024	PSIP25024
	CV	CV	CV	CV	CV	CV	CV	CV
	24V	24V	24V	24V	24V	24V	24V	24V
	IP66	IP20	IP66	IP66	IP20	IP67	IP66	IP67
	1-10V	No	1-10V*	Mains	1-10V*	1-10V*	DALI	1-10V*
	No	No	No	No	No	No	No	No
	No	No	No	No	No	No	No	No
	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m
	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m
	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m
	4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m
	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
	3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m
	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m
	4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m
	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
	3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m
	7.5m	9.3m	12.5m	12.5m	15m	18.7m	25m	31.2m
	4.2m	5.3m	7.1m	7.1m	8.5m	10.7m	14.2m	17.8m
	9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m
	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m
	9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m
	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m

4.8W/m **Ideal for accent lighting with 4.8W/m**

IP20 **Ideal for living room and hallways with IP20 rating**

BESPOKE **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

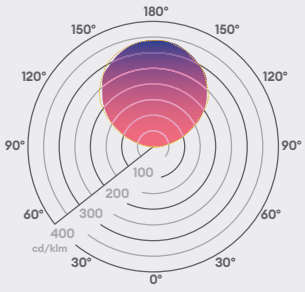
High efficacy of 108lm/W

Enlarged connection points for ease of installation

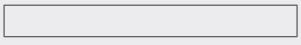
A cost-effective 50m reel box

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

Beam angle: 120°



5m/100mm



8mm

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	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

Installation information

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

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSV0227050	5 m	4.8W/m	2700K	120°	450	94	
LSV0227500	50 m	4.8W/m	2700K	120°	450	94	
LSV0230050	5 m	4.8W/m	3000K	120°	460	96	
LSV0230500	50 m	4.8W/m	3000K	120°	460	96	
LSV0240050	5 m	4.8W/m	4000K	120°	520	108	
LSV0240500	50 m	4.8W/m	4000K	120°	520	108	

Energy rating is a reflection of the LED light source.

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

Accessories

LSK2208SS / LSK2208SD / LSK2208FB / LSK2208LB	Range of fast fix connectors for use with LSV02	Sold Separately	144 - 145
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	298

LSV05

Constant voltage, self-adhesive, flexible IP20 strip

9.6W/m — Ideal for atmospheric lighting with 9.6W/m

IP20 — Ideal for living room and hallways with IP20 rating

BESPOKE — Bespoke lengths available

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	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

Installation information

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

Photometrics @ 25°C

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

Energy rating is a reflection of the LED light source.

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
LSD6024	220-240V	Yes	Yes (with PDCINT1-10V)	Outside zones	6m Max
LSD12024	220-240V	Yes	Yes (with PDCINT1-10V)	Outside zones	12m Max
PSIP25024	220-240V	Yes	Yes (with PDCINT1-10V)	Outside zones	26m Max

Accessories

LSK2208SS / LSK2208SD / LSK2208FB / LSK2208LB	Range of fast fix connectors for use with LSV05	Sold Separately	144 - 145
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	298

Guarantee

3 years

Features & benefits

Excellent for accent lighting

Cut points every 50mm

Quick and easy installation with 3M self-adhesive backing

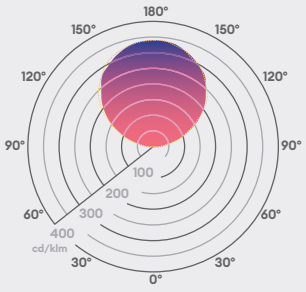
High efficacy of 108lm/W

Enlarged connection points for ease of installation

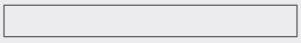
A cost-effective 50m reel box

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

Beam angle: 120°



5m/50mm



8mm

4.8W/m **Ideal for accent lighting with 4.8W/m**

IP44 **Ideal for kitchen and bathroom with IP44 rating**

BESPOKE **Bespoke lengths available**

Guarantee

3 years

Features & benefits

Excellent for accent lighting

Cut points every 100mm

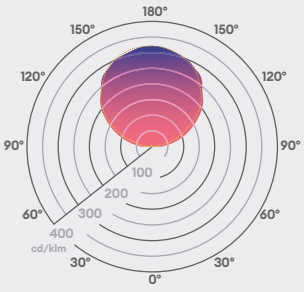
Quick and easy installation with 3M self-adhesive backing

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

8mm

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	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

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 - 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSV4227050	5 m	4.8W/m	2700K	120°	410	86	B
LSV4230050	5 m	4.8W/m	3000K	120°	425	89	B
LSV4240050	5 m	4.8W/m	4000K	120°	480	100	F

Energy rating is a reflection of the LED light source.

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

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	298

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	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

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 - 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSV4527050	5 m	9.6W/m	2700K	120°	830	87	B
LSV4530050	5 m	9.6W/m	3000K	120°	860	90	B
LSV4540050	5 m	9.6W/m	4000K	120°	950	99	F

Energy rating is a reflection of the LED light source.

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
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	1 (If no water jets)	6m 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	139
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	298

9.6W/m **Ideal for atmospheric light with 9.6W/m**

IP**44** **Ideal for kitchen and bathroom with IP44 rating**

BESPOKE **Bespoke lengths available**

Guarantee

3 years

Features & benefits

Excellent for accent lighting

Cut points every 50mm

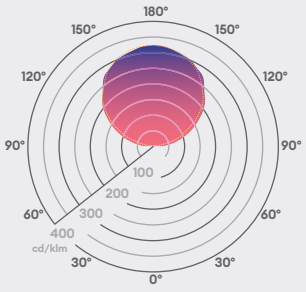
Quick and easy installation with 3M self-adhesive backing

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

LSC02

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

4.8W/m — **Ideal for accent lighting with 4.8W/m**

IP20 — **Ideal for living room and hallways with IP20 rating**

BESPOKE — **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 102lm/W

CRI 90 providing true colour appearance

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	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

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

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSC0227200	20 m	4.8W/m	2700K	120°	420	88	B
LSC0230200	20 m	4.8W/m	3000K	120°	440	92	B
LSC0240200	20 m	4.8W/m	4000K	120°	490	102	F

Energy rating is a reflection of the LED light source.

Wiring information

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

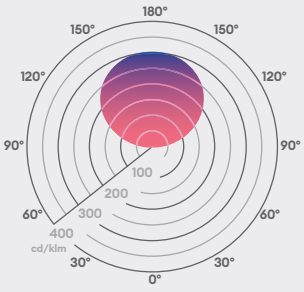
Recommended LED drivers

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

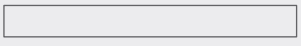
Accessories

LSK2210SS / LSK2210SD / LSK2210FB / LSK2210LB	Range of fast fix connectors for use with LSC02	Sold Separately	144 -145
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	298

Beam angle: 120°



20m/100mm



10mm

LSC05

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

9.6W Ideal for atmospheric light with 9.6W/m

IP20 Ideal for living room and hallways with IP20 rating

BESPOKE Bespoke lengths available

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	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

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

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSC0527200	20 m	9.6W/m	2700K	120°	860	90	A to G: B
LSC0530200	20 m	9.6W/m	3000K	120°	900	94	A to G: F
LSC0540200	20 m	9.6W/m	4000K	120°	950	99	A to G: F

Energy rating is a reflection of the LED light source.

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
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	6m 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	144 -145
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	298

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 light loss

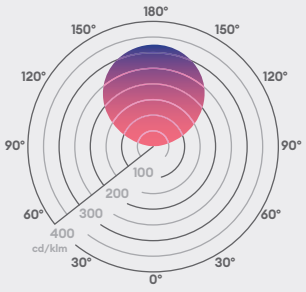
A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

Quick and easy installation with 3M self-adhesive backing

High efficacy of 99lm/W

CRI 90 providing true colour appearance

Beam angle: 120°



14.4W **Ideal for primary light with 14.4W/m**

IP20 **Ideal for living room and hallways with IP20 rating**

BESPOKE **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

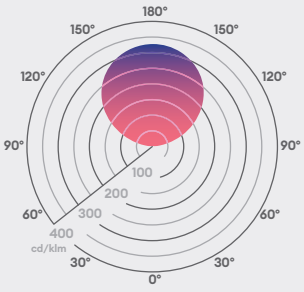
A foil backed flexible PCB, which dissipates heat (improves LED life and colour stability)

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

12mm

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	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

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

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	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	F
LSC0440100	10 m	14.4W/m	4000K	120°	1350	94	F

Energy rating is a reflection of the LED light source.

Wiring information

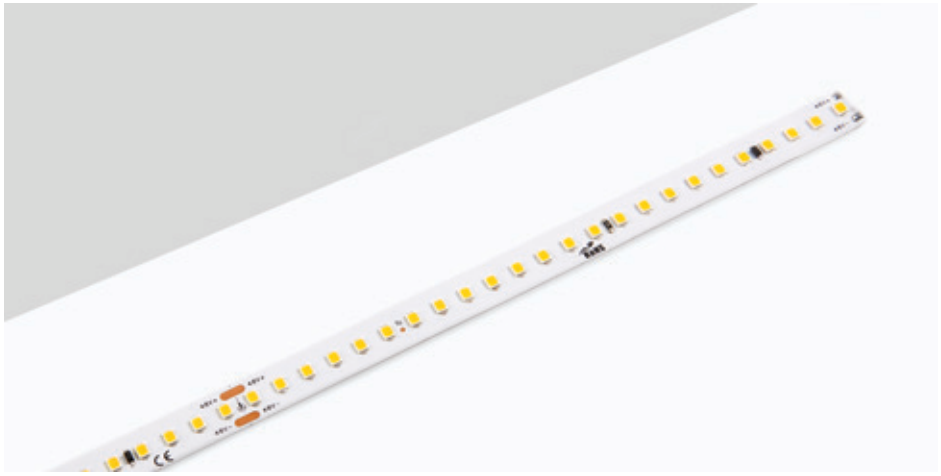
Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	4m 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

Accessories

LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	144 - 145
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	298



LSC06

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

17W **Ideal for primary light with 17W/m**

IP20 **Ideal for living room and hallways with IP20 rating**

BESPOKE **Bespoke lengths available**

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	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

Installation information

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

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 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

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSC0627100	10 m	17.0W/m	2700K	120°	1400	82	B
LSC0630100	10 m	17.0W/m	3000K	120°	1450	85	F
LSC0640100	10 m	17.0W/m	4000K	120°	1600	94	F

Energy rating is a reflection of the LED light source.

Wiring information

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

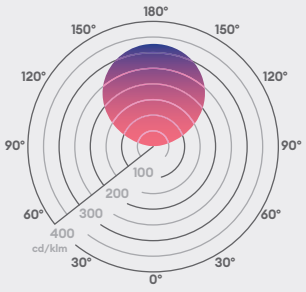
Recommended LED drivers

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

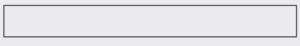
Accessories

LSAFC122 / LSAFCS122	Range of fast fix connectors for use with LSC04/05/06	Sold Separately	144 -145
LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	298

Beam angle: 120°



10m/41.6mm



12mm

4.8W/m **Ideal for accent lighting with 4.8W/m**

IP68 **Ideal for wet environments with IP68**

BESPOKE **Bespoke lengths available**

Guarantee

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

Features & benefits

1, 2, 3, 4 or 5m flying leads available at bespoke reques

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

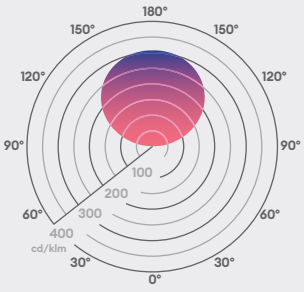
Quick and easy installation with 3M self-adhesive backing

High efficacy of 88lm/W

High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



20m/100mm

12x5mm

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	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

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 - 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSC8227200	20 m	4.8W/m	2700K	120°	360	75	A G
LSC8230200	20 m	4.8W/m	3000K	120°	380	79	A G
LSC8240200	20 m	4.8W/m	4000K	120°	420	88	A G

Energy rating is a reflection of the LED light source.

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
PSMDIP10024	220-240V	Yes	Yes (with PDCINT1-10V)	N/A	6m Max
PS7524	220-240V	Yes	Yes (with PDCINT1-10V)	0 (1 when dimming)	15m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT1-10V)	0 (1 when dimming)	31m Max

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	298

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	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

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 - 45°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSC8527400	40 m	9.6W/m	2700K	120°	760	79	
LSC8530400	40 m	9.6W/m	3000K	120°	800	83	
LSC8540400	40 m	9.6W/m	4000K	120°	850	89	

Energy rating is a reflection of the LED light source.

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
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	6m 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

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	298

9.6W Ideal for atmospheric light with 9.6W/m

IP68 Ideal for wet environments with IP68

BESPOKE 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

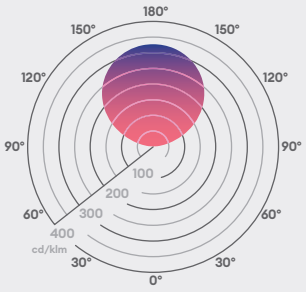
Quick and easy installation with 3M self-adhesive backing

High efficacy of 89lm/W

High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



20m/50mm

14x5mm

14.4W **Ideal for primary light with 14.4W/m**

IP68 **Ideal for wet environments with IP68**

BESPOKE **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

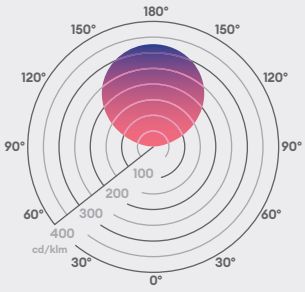
Quick and easy installation with 3M self-adhesive backing

High efficacy of 87lm/W

High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



10m/50mm

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	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

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 - 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSC8427400	40 m	14.4W/m	2700K	120°	1050	73	G
LSC8430400	40 m	14.4W/m	3000K	120°	1150	80	G
LSC8440400	40 m	14.4W/m	4000K	120°	1250	87	F

Energy rating is a reflection of the LED light source.

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
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	4m 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

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	298

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	L70 60,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM3

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 - 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠	lm	lm/W	Energy
LSC8627400	40 m	17.0W/m	2700K	120°	1250	74	B
LSC8630400	40 m	17.0W/m	3000K	120°	1350	79	F
LSC8640400	40 m	17.0W/m	4000K	120°	140	82	F

Energy rating is a reflection of the LED light source.

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 PDCINT1-10V)	0 (1 when dimming)	14m Max

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V, Push, DALI dimming interface for use with 24V LED drivers	Sold Separately	298

17W/m — **Ideal for primary light with 17W/m**

IP**68** — **Ideal for wet environments with IP68**

BESPOKE — **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

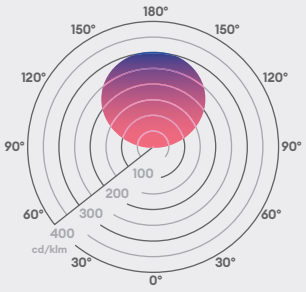
Quick and easy installation with 3M self-adhesive backing

High efficacy of 82lm/W

High-grade silicone extruded coating, UV resistant

CRI 90 providing true colour appearance

Beam angle: 120°



10m/41.6mm

14x5mm

2000lm **Bright enough to be the main, or primary, source of light**

160lm/W **High efficiency up to 160 lumens per watt**

Dotless light in profile

Guarantee

5 years

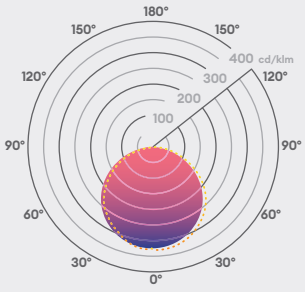
Features & benefits

238 Led chips per metre

High lumen output at approx 2000 lm/m

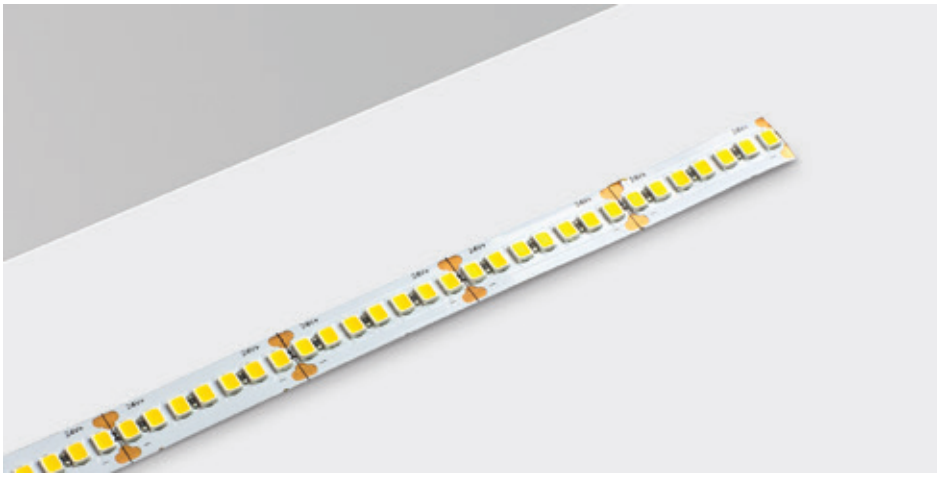
Cut points every 29.4mm

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	L70 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4

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	CCT	∠°	lm	lm/W	Energy
LSP195027	5 m	14W/m	2700K	120°	1960	140	E
LSP205030	5 m	14W/m	3000K	120°	2000	143	E
LSP225040	5 m	14W/m	4000K	120°	2240	160	D

Energy rating is a reflection of the LED light source.

Wiring information

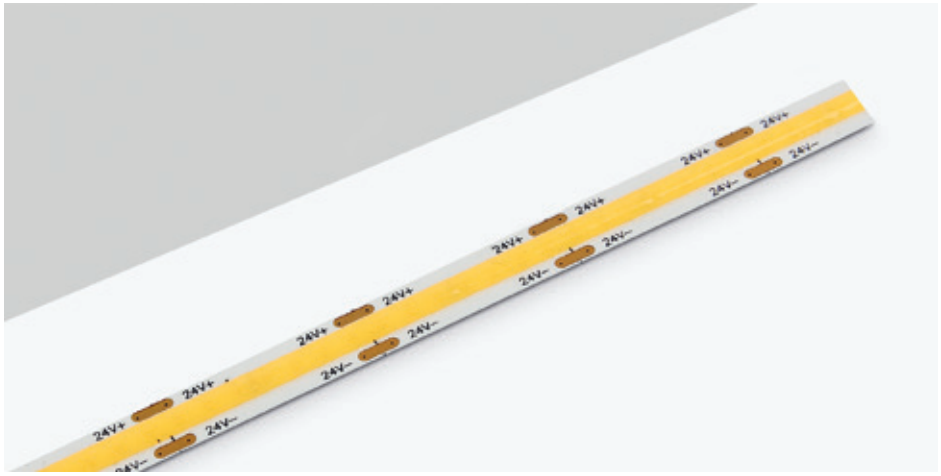
Cable / flying lead	300mm Flying Lead
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	Outside zones	4m 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

Accessories

LSPLA21314	2m, 10mm deep Plaster in profile & opal diffuser	Sold Separately	144 - 145
LSK2210SS	10mm Strip to Strip Fast Fix Connector	Sold Separately	144 - 145
LSK2210SD	10mm Strip to Driver Fast Fix Connector	Sold Separately	144 - 145
LSK2210FB	10mm Strip to Strip Fast Fix Flexible Bend	Sold Separately	144 - 145
LSK2210LB	10mm Strip to Strip Fast Fix 'L' Bend	Sold Separately	144 - 145
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	298



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	L90 36,000h
Colour rendering Index	CRI>90
Colour consistency	SDCM4

Installation information

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

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSFA0727050	5 m	8W/m	2700K	140°	680	85	
LSFA0730050	5 m	8W/m	3000K	140°	690	86	
LSFA0740050	5 m	8W/m	4000K	140°	730	91	

Energy rating is a reflection of the LED light source.

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 PDCINT1-10V)	Outside zones	3m Max
PS7524	220-240V	Yes	Yes (with PDCINT1-10V)	Outside zones	9m Max
PSIP15024	220-240V	Yes	Yes (with PDCINT1-10V)	Outside zones	18m Max

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	298

8W Ideal for accent lighting with 8W/m

IP20 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

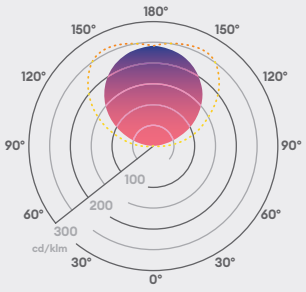
Flexible strip to allow installation in a variety of applications and uneven surfaces

Quick and easy installation with 3M self-adhesive backing

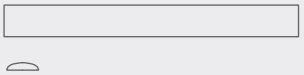
Cut points at every 29.4mm

500mm flying leads attached

Beam angle: 140°



5m/29.4mm



8mm

6.5W/m **Ideal for accent light (6.5W/m)**

IP67 **Ideal for wet environments with IP67 rating**

Side bend **Side bending strip**

Guarantee

5 years

Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

Long lengths (LSNS73 up to 10m / LSNS75 up to 5m) suffer no light loss

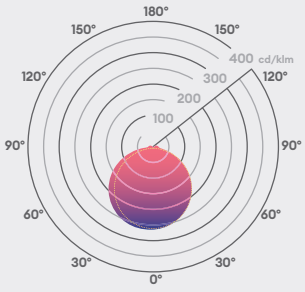
Cut points are every 50mm

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

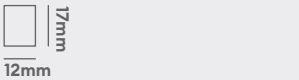
Has a high-grade silicone extruded coating, UV and Chemicals resistant

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	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Bathroom zone	0, 1 (with dimming)
Construction material	Flexible tape with Silicone coating
Maximum running length	10 m
Weight	234g per meter
Maximum ambient temperature	-20°C - 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSNS7327030	3 m	6.5W/m	2700K	120°	290	45	
LSNS7327050	5 m	6.5W/m	2700K	120°	290	45	
LSNS7327100	10 m	6.5W/m	2700K	120°	290	45	
LSNS7330030	3 m	6.5W/m	3000K	120°	310	47	
LSNS7330050	5 m	6.5W/m	3000K	120°	310	47	
LSNS7330100	10 m	6.5W/m	3000K	120°	310	47	
LSNS7340030	3 m	6.5W/m	4000K	120°	315	48	
LSNS7340050	5 m	6.5W/m	4000K	120°	315	48	
LSNS7340100	10 m	6.5W/m	4000K	120°	315	48	

Energy rating is a reflection of the LED light source.

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
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	9m 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

Accessories

LSNS12	Range of connection and fixing accessories	Sold Separately	144 - 145
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	139

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	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

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 - 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSNS7527030	3 m	9.6W/m	2700K	120°	450	47	E
LSNS7527050	5 m	9.6W/m	2700K	120°	450	47	E
LSNS7530030	3 m	9.6W/m	3000K	120°	460	48	E
LSNS7530050	5 m	9.6W/m	3000K	120°	460	48	E
LSNS7540030	3 m	9.6W/m	4000K	120°	470	49	E
LSNS7540050	5 m	9.6W/m	4000K	120°	470	49	E

Energy rating is a reflection of the LED light source.

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
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	6m 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	144 - 145
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	139

9.6W/m — **Ideal for atmospheric light (9.6W/m)**

IP67 — **Ideal for wet environments with IP67 rating**

Side bend — **Side bending strip**

Guarantee

5 years

Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

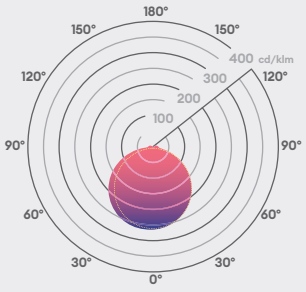
Long lengths (LSNS73 up to 10m / LSNS75 up to 5m) suffer no light loss

Cut points are every 50mm

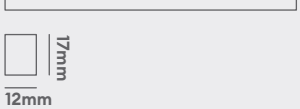
A range of fixing accessories, both rigid and flexible, allowing various installations. Fixing accessories need to be acquired to allow install the neon strip

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

Beam angle: 120°



3m,5m/50mm



6.5W/m **Ideal for accent light (6.5W/m)**

IP67 **Ideal for wet environments with IP67 rating**

Top bend **Top bending strip**

Guarantee

5 years

Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

Long lengths (LSNS73 up to 10m / LSNS75 up to 5m) suffer no light loss

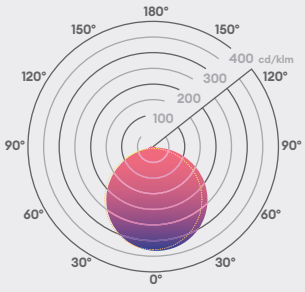
Cut points are every 50mm

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

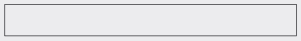
Has a high-grade silicone extruded coating, UV and Chemicals resistant

CRI 80 providing true colour appearance

Beam angle: 120°



3m,5m,10m/50mm



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	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

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 - 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSNT7327030	3 m	6.5W/m	2700K	120°	510	78	
LSNT7327050	5 m	6.5W/m	2700K	120°	510	78	
LSNT7327100	10 m	6.5W/m	2700K	120°	510	78	
LSNT7330030	3 m	6.5W/m	3000K	120°	520	80	
LSNT7330050	5 m	6.5W/m	3000K	120°	520	80	
LSNT7330100	10 m	6.5W/m	3000K	120°	520	80	
LSNT7340030	3 m	6.5W/m	4000K	120°	530	81	
LSNT7340050	5 m	6.5W/m	4000K	120°	530	81	
LSNT7340100	10 m	6.5W/m	4000K	120°	530	81	

Energy rating is a reflection of the LED light source.

Wiring information

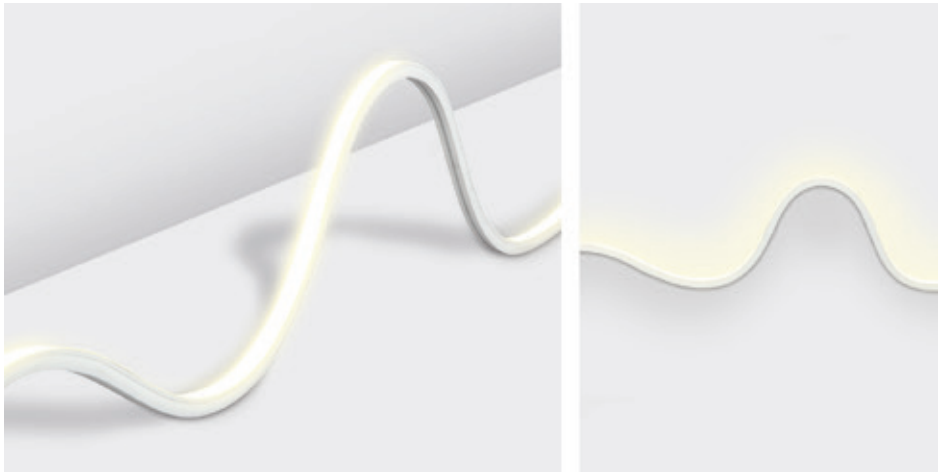
Cable / flying lead	Supplied with 500mm, 0.5mm² flying lead from one end
Type of wiring required	Parallel

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	9m 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

Accessories

LSNT13	Range of connection and fixing accessories	Sold Separately	144 - 145
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	139



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	L70 60,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

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 - 40°C
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Reel length	W	CCT	∠°	lm	lm/W	Energy
LSNT7527030	3 m	9.6W/m	2700K	120°	770	80	E
LSNT7527050	5 m	9.6W/m	2700K	120°	770	80	E
LSNT7530030	3 m	9.6W/m	3000K	120°	780	81	E
LSNT7530050	5 m	9.6W/m	3000K	120°	780	81	E
LSNT7540030	3 m	9.6W/m	4000K	120°	792	82	E
LSNT7540050	5 m	9.6W/m	4000K	120°	792	82	E

Energy rating is a reflection of the LED light source.

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
LSD6024	220-240V	Yes	Yes (with PDCINT 1-10V)	0 (1 when dimming)	6m 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

LSNT13	Range of connection and fixing accessories	Sold Separately	144 - 145
LED STRIP PROFILE RANGE	Profile range to house neon strip	Sold Separately	139

9.6W/m — **Ideal for atmospheric light (9.6W/m)**

IP67 — **Ideal for wet environments with IP67 rating**

Top bend — **Top bending strip**

Guarantee

5 years

Features & benefits

500mm flying leads soldered

High quality LED strip maintaining light quality and consistency

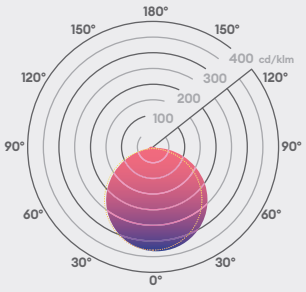
Long lengths (LSNS73 up to 10m / LSNS75 up to 5m) suffer no light loss

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 Chemicals resistant

Beam angle: 120°



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 AC
LED lifetime	L70 30,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

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	CCT	∠°	lm	lm/W	Energy
SP5027	5 m	4.8W/m	2700K	120°	430	90	F
SP5030	5 m	4.8W/m	3000K	120°	450	94	F
SP5040	5 m	4.8W/m	4000K	120°	490	102	F

Energy rating is a reflection of the LED light source.

Wiring information

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

Accessories

LED STRIP PROFILE RANGE	Profile range to house adhesive strip	Sold Separately	139
PDCINT1-10V	1-10V dimming interface for use with 24V LED drivers	Sold Separately	298

4.8W Ideal for accent lighting with 4.8W/m

IP20 Ideal for living room and hallways with IP20 rating

Quick and easy installation with 3M self-adhesive backing

Guarantee

3 years

Features & benefits

Driver included

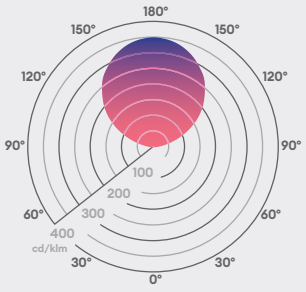
Excellent for accent lighting

Cut points every 100mm

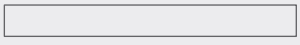
3M self-adhesive backing for secure and easy installation

Supplied in a resealable, antistatic bag to protect during transit

Beam angle: 120°



5m/100mm



8mm

Anti Corrosives & Battens

L7
L8
L9
L10
L11
L13
M7
M8

Anti-Corrosives & Battens

Versa range

Our anti-corrosives and battens are built to last in the toughest of environments, whilst providing excellent energy savings.

Wattage & CCT switchable

Wattage switchable: one light, four wattage outputs

Caiman Versa & Borealis Versa provides four outputs in one product, resolving the need for a single or twin option and adding flexibility on site.

Advantages

- Reduces stockholding.
- Adjust using DIP switches on the driver during installation.

Caiman Versa

Product	Wattage output	Lumen output (max)
2ft	10 - 12 - 15 - 18W	1350 - 1800 - 2250 - 2700lm
4ft	18 - 25 - 31 - 37W	2775 - 3750 - 4650 - 5550lm
5ft	28 - 38 - 48 - 56W	4200 - 5700 - 7200 - 8400lm
6ft	33 - 45 - 56 - 67W	5025 - 6750 - 8400 - 10050lm

Borealis Versa

Product	Wattage output	Lumen output (max)
4ft	18 - 25 - 31 - 37W	2775 - 3750 - 4650 - 5550lm
5ft	28 - 38 - 48 - 56W	4200 - 5700 - 7200 - 8400lm
6ft	33 - 45 - 56 - 67W	5025 - 6750 - 8400 - 10050lm

Highest wattage is default setting

CCT switchable: one light, three CCT temperatures

Our colour switchable anti corrosive & battens allow you to stock 3 colour temperatures in 1 product (3000K, 4000K & 5700K). Polas Versa offers (3000K, 4000K & 6500K)

Advantages

- Customer can choose which colour they prefer.
- Adjust using a switch during installation.

3000K Warm White

4000K Cool White (default)

5700K Daylight

Terminal block

Caiman Versa

The Terminal block is moveable to one of three different locations to accommodate the cable entry.

Borealis Versa easy installation

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.

IP66 & IK10

Caiman Versa
Polas Versa

IP66 IK10

IP20 & IK06

Borealis Versa

IP20 IK06

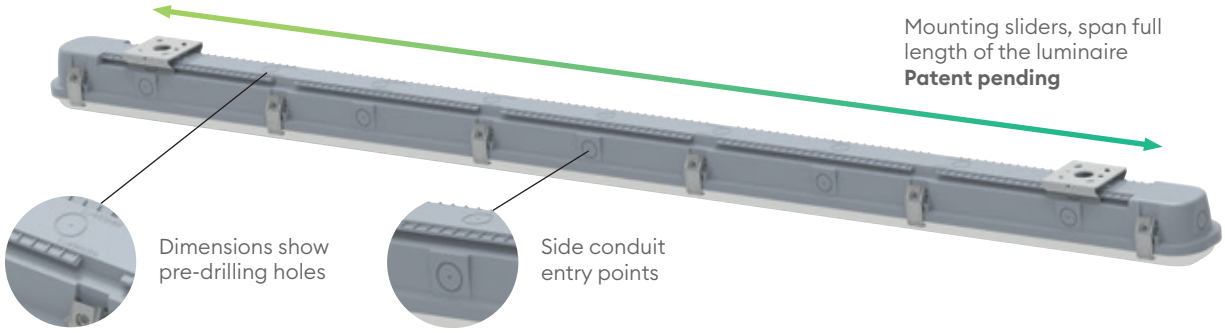
5 or 7 year warranty

Offering a five-year warranty on Polas Versa, and a seven year warranty on Caiman Versa and Borealis Versa, so you can be assured of our commitment to quality.

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.

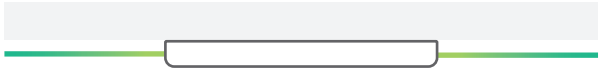
Caiman Quick Connect

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.

Polas Versa

Mains cable entry is fed via the side conduit entry to avoid the need to open the luminaire to install it! Through-wired as standard so luminaires when wired together light up as a group.



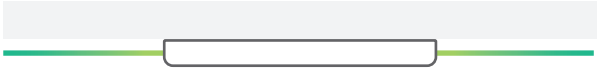
Product is through-wired for continuous run.

Borealis Versa

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

Side cable entry



BESA mounting options

Borealis Versa can be mounted either directly on the surface, through the pre-drilled holes on the base of the fitting, The gear tray is can be removed entirely or it can be suspended from the base, whilst you work to mount.

Surface mounted

Anti-Corrosives & Battens

Versa range Plug-in kits

Optional Plug & Play kits and accessories for the perfect installation

Dimmable

0-10V, PUSH DIM
DALI-2

Microwave

Microwave On-Off
Microwave STEP-DIM

Emergency

Manual-test, Self-test
DALI-2 test

Plug & Play kits - Caiman Versa & Borealis Versa

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	Borealis Versa
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 kit	●	●*	●
ACKITMWSDIM	Microwave Sensor Dim plug-in Versabox (requires 0-10V driver)	●*	-	●*

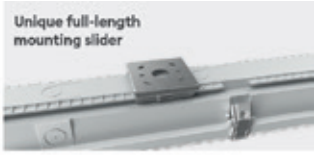
* Assembled on demand by Collingwood production.

Accessories - Caiman Versa & Borealis Versa

Product	Description	Caiman Versa	Caiman Quick Connect	Borealis Versa
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	●	-	●
EMBOLTMCOR	3 hour emergency conversion pack, corridor area, manual test	●	-	●
EMBOLTMOPEN	3 hour emergency conversion pack, open area, manual test	●	-	●
EMBOLTSCOR	3 hour emergency conversion pack, corridor area, self-test	●	-	●
EMBOLTSOPEN	3 hour emergency conversion pack, open area, self-test	●	-	●

Accessory - Polas Versa

Product	Description	Polas Versa
POL30504	PIR sensor accessory	●



Caiman Versa 2ft

CCT Colour & Wattage Switchable Anti-Corrosive with plug-in Versabox accessories

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	Versabox, see accessories
Dimmable option	Yes (DALI-2)
Input	220-240V AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Manual, Self and DALI-2 Test

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 - 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	EM	Energy
AC2N	2ft (600mm) Standard	10W	3000K	120°	1260	133	240	
			4000K	120°	1350	142	240	
			5700K	120°	1350	142	240	
		12W	3000K	120°	1680	144	240	
			4000K	120°	1800	154	240	
			5700K	120°	1800	154	240	
		15W	3000K	120°	2100	144	240	
			4000K	120°	2250	154	240	
			5700K	120°	2250	154	240	
		18W	3000K	120°	2520	140	240	
			4000K	120°	2700	150	240	
			5700K	120°	2700	150	240	

Energy rating is a reflection of the LED light source.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	184
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	184
ACKITMWS	Microwave Sensor on/off Plug-in Kit	Sold Separately	184
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	184
ACBESA	BESA Mounting Bracket	Sold Separately	184

Anti-Corrosives

CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

IP66 and IK10 for total protection

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

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

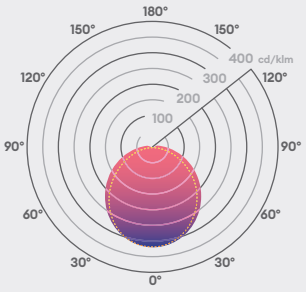
Quick release moveable terminal block to suit mains cable entry point

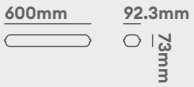
All installation points marked to aid accurate pre-drilling

Supplied with mounting clips, hanging bracket and compression gland

DALI-2 and DALI Emergency option available to order contact CWD

Beam angle: 120°





CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

IP66 and IK10 for total protection

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

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 moveable terminal block to suit mains cable entry point

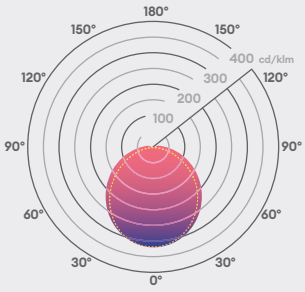
All installation points marked to aid accurate pre-drilling

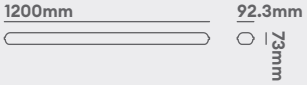
Supplied with mounting clips, hanging bracket and compression gland

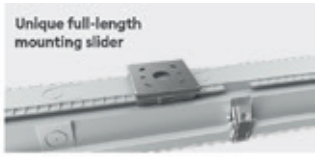
Quick connect through-wired version for side entry also available

DALI-2, 0-10V and DALI Emergency option available to order contact CWD

Beam angle: 120°







Caiman Versa 4ft

CCT Colour & Wattage Switchable Anti-Corrosive with plug-in Versabox accessories

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	Versabox, see accessories
Dimmable option	Yes (DALI-2, 0-10V, PUSH-DIM)
Input	220-240V AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Manual, Self and DALI-2 Test

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 - 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	EM	Energy
AC4N	4ft (1200mm) Standard	18W	3000K	120°	2590	144	240	
			4000K	120°	2775	154	240	C
			5700K	120°	2775	154	240	
		25W	3000K	120°	3500	144	240	
			4000K	120°	3750	154	240	C
			5700K	120°	3750	154	240	
		31W	3000K	120°	4340	144	240	
			4000K	120°	4650	154	240	C
			5700K	120°	4650	154	240	
		37W	3000K	120°	5180	144	240	
			4000K	120°	5550	154	240	C
			5700K	120°	5550	154	240	

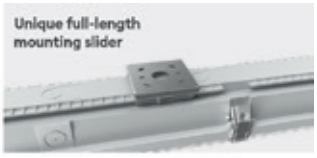
Energy rating is a reflection of the LED light source.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	184
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	184
ACKITMWS	Microwave Sensor on/off Plug-in Kit	Sold Separately	184
ACKITMWSDIM	MIcrowave Sensor Dim plug-in Versabox (requires 0-10V driver)	Sold Separately	184
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	184
ACBESA	BESA Mounting Bracket	Sold Separately	184



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 AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	No

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 - 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	EM	Energy
AC4TWN	4ft (1200mm) Standard	18W	3000K	120°	2590	144	-	
			4000K	120°	2775	154	-	
			5700K	120°	2775	154	-	
		37W	3000K	120°	5180	144	-	
			4000K	120°	5550	154	-	
			5700K	120°	5550	154	-	

Energy rating is a reflection of the LED light source.

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	184

Anti-Corrosives

CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

IP66 for external use

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

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

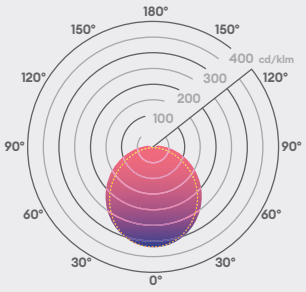
Rear and side housing conduit entry points

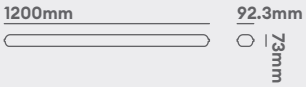
All installation points are marked on the outside of the luminaire to aid accurate pre-drilling, BESA mount accessory (ACBESA) sold separately

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°





CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

IP66 and IK10 for total protection

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

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 moveable terminal block to suit mains cable entry point

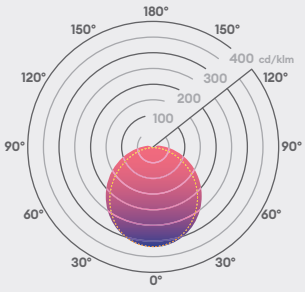
All installation points marked to aid accurate pre-drilling

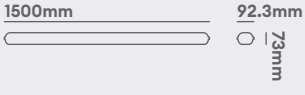
Supplied with mounting clips, hanging bracket and compression gland

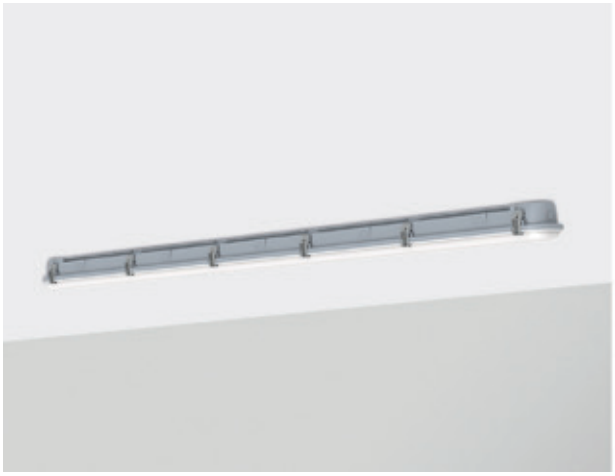
Quick connect through-wired version for side entry also available

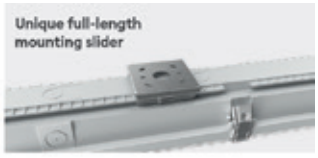
DALI-2, 0-10V and DALI Emergency option available to order contact CWD

Beam angle: 120°









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	Versabox, see accessories
Dimmable option	Yes (DALI-2, 0-10V, PUSH-DIM)
Input	220-240V AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Manual, Self and DALI-2 Test

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 - 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	EM	Energy
AC5N	5ft (1500mm) Standard	28W	3000K	120°	3920	140	230	
			4000K	120°	4200	150	230	C
			5700K	120°	4200	150	230	
		38W	3000K	120°	5320	140	230	
			4000K	120°	5700	150	230	C
			5700K	120°	5700	150	230	
		48W	3000K	120°	6720	140	230	
			4000K	120°	7200	150	230	C
			5700K	120°	7200	150	230	
		56W	3000K	120°	7840	140	230	
			4000K	120°	8400	150	230	C
			5700K	120°	8400	150	230	

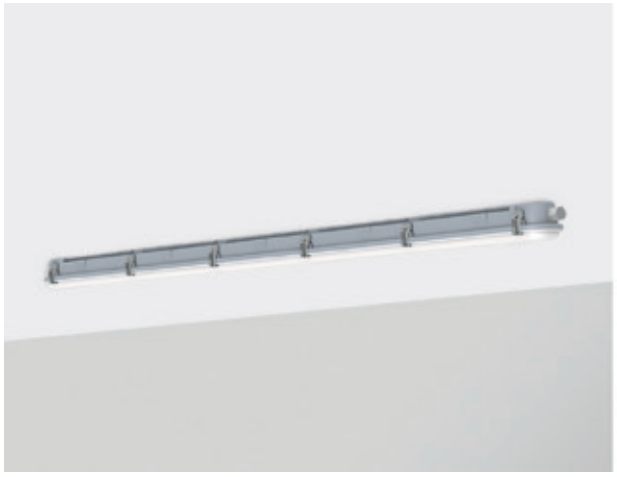
Energy rating is a reflection of the LED light source.

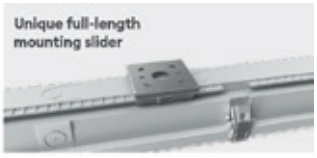
Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	184
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	184
ACKITMWS	Microwave Sensor on/off Plug-in Kit	Sold Separately	184
ACKITMWSDIM	MIcrowave Sensor Dim plug-in Versabox (requires 0-10V driver)	Sold Separately	184
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	184
ACBESA	BESA Mounting Bracket	Sold Separately	184





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 AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	No

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 - 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	⩘	lm	Llm/W	EM	Energy
AC5TWN	5ft (1500mm) Standard	28W	3000K	120°	3920	140	-	
			4000K	120°	4200	150	-	
			5700K	120°	4200	150	-	
		56W	3000K	120°	7840	140	-	
			4000K	120°	8400	150	-	
			5700K	120°	8400	150	-	

Energy rating is a reflection of the LED light source.

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	184

Anti-Corrosives

CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

IP66 for external use

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

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

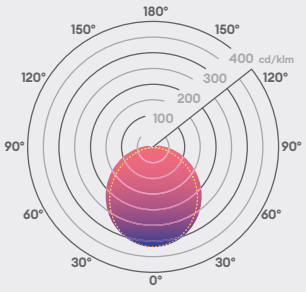
Rear and side housing conduit entry points

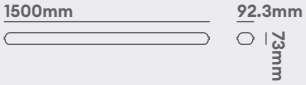
All installation points are marked on the outside of the luminaire to aid accurate pre-drilling, BESA mount accessory (ACBESA) sold separately

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°





Anti-Corrosives

CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

IP66 and IK10 for total protection

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

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 moveable terminal block to suit mains cable entry point

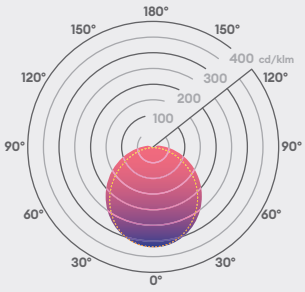
All installation points marked to aid accurate pre-drilling

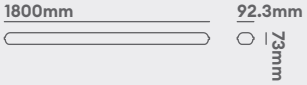
Supplied with mounting clips, hanging bracket and compression gland

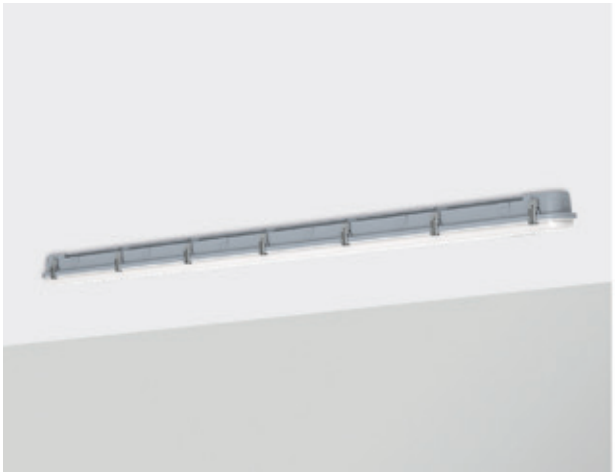
Quick connect through-wired version for side entry also available

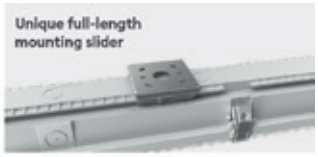
DALI-2, 0-10V and DALI Emergency option available to order contact CWD

Beam angle: 120°









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	Versabox, see accessories
Dimmable option	Yes (DALI-2, 0-10V, PUSH-DIM)
Input	220-240V AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Manual, Self and DALI-2 Test

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 - 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	EM	Energy
AC6N	6ft (1800mm) Standard	33W	3000K	120°	4690	142	200	
			4000K	120°	5025	152	200	C
			5700K	120°	5025	152	200	
		45W	3000K	120°	6300	142	200	
			4000K	120°	6750	152	200	C
			5700K	120°	6750	152	200	
		56W	3000K	120°	7840	142	200	
			4000K	120°	8400	152	200	C
			5700K	120°	8400	152	200	
		67W	3000K	120°	9380	140	200	
			4000K	120°	10050	150	200	C
			5700K	120°	10050	150	200	

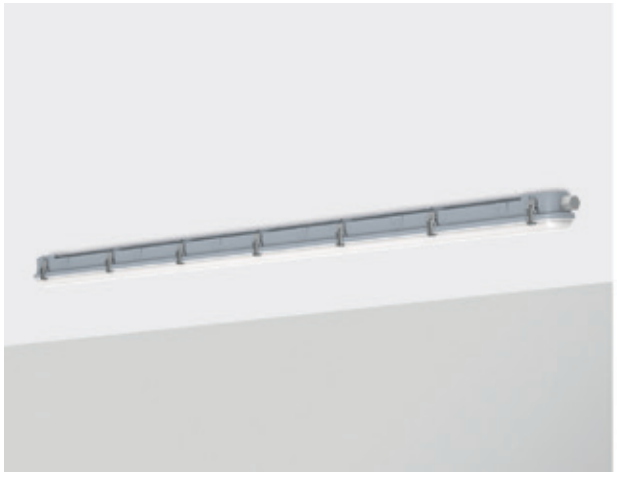
Energy rating is a reflection of the LED light source.

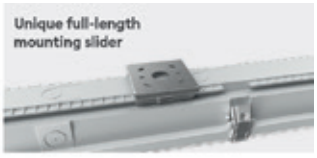
Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	184
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	184
ACKITMWS	Microwave Sensor on/off Plug-in Kit	Sold Separately	184
ACKITMWSDIM	MIcrowave Sensor Dim plug-in Versabox (requires 0-10V driver)	Sold Separately	184
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	184
ACBESA	BESA Mounting Bracket	Sold Separately	184





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 AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	No

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 - 35°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	EM	Energy
AC6TWN	6ft (1800mm) Standard	33W	3000K	120°	4690	142	-	
			4000K	120°	5025	152	-	
			5700K	120°	5025	152	-	
		67W	3000K	120°	9380	140	-	
			4000K	120°	10050	150	-	
			5700K	120°	10050	150	-	

Energy rating is a reflection of the LED light source.

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	184

Anti-Corrosives

CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

IP66 for external use

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

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

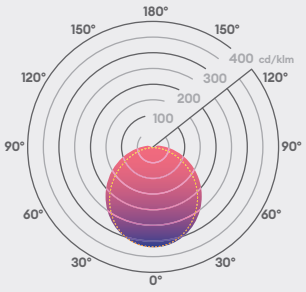
Rear and side housing conduit entry points

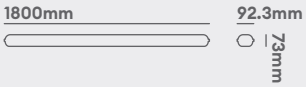
All installation points are marked on the outside of the luminaire to aid accurate pre-drilling, BESA mount accessory (ACBESA) sold separately

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°





Anti-Corrosives

CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

Suspended gear tray for easy installation

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

Versabox plug and play kit range to accommodate project requirements

Multiple fixing points and several wiring options

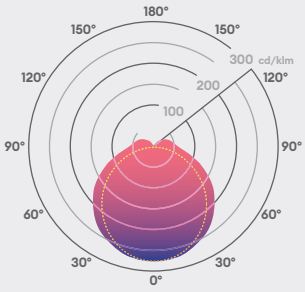
Ideal for sheds, garages and warehouses

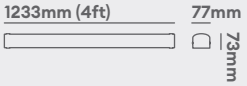
Diffuser is released by side buttons

Self and Manual emergency option available

DALI-2, 0-10V and DALI Emergency option available to order contact CWD

Beam angle: 120°





Borealis Versa 4ft

CCT Colour & Wattage Switchable Batten with plug-in Versabox accessories

Features

IK rating	IK06
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	Versabox, see accessories
Dimmable option	Yes (DALI-2, 0-10V, PUSH-DIM)
Input	220-240V AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Manual, Self and DALI-2 Test

Installation information

Install connector type	Removeable, moveable, loop in/out
Inrush current	13.2A 0.28ms
Construction material	Steel Housing, PC Opal Diffuser RAL9003
Weight	4ft: 1.47kg, 5ft: 1.83kg, 6ft: 2.14kg
Maximum ambient temperature	-20°C - 40°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	EM	Energy
BT4N	Standard	18W	3000K	120°	2590	144	240	
			4000K	120°	2775	154	240	C
			5700K	120°	2775	154	240	
		25W	3000K	120°	3500	144	240	
			4000K	120°	3750	154	240	C
			5700K	120°	3750	154	240	
		31W	3000K	120°	4340	144	240	
			4000K	120°	4650	154	240	C
			5700K	120°	4650	154	240	
		37W	3000K	120°	5180	144	240	
			4000K	120°	5550	154	240	C
			5700K	120°	5550	154	240	

Energy rating is a reflection of the LED light source.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	184
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	184
ACKITMWS	Microwave Sensor on/off Plug-in Kit	Sold Separately	184
ACKITMWSDIM	MIcrowave Sensor Dim plug-in Versabox (requires 0-10V driver)	Sold Separately	184
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	184

Borealis Versa 5ft

CCT Colour & Wattage Switchable Batten with plug-in Versabox accessories

Features

IK rating	IK06
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	Versabox, see accessories
Dimmable option	Yes (DALI-2, 0-10V, PUSH-DIM)
Input	220-240V AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Manual, Self and DALI-2 Test

Installation information

Install connector type	Removeable, moveable, loop in/out
Inrush current	16.1A 0.51ms
Construction material	Steel Housing, PC Opal Diffuser RAL9003
Weight	4ft: 1.47kg, 5ft: 1.83kg, 6ft: 2.14kg
Maximum ambient temperature	-20°C - 40°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	EM	Energy
BT5N	Standard	28W	3000K	120°	3920	140	230	
			4000K	120°	4200	150	230	
			5700K	120°	4200	150	230	
		38W	3000K	120°	5320	140	230	
			4000K	120°	5700	150	230	
			5700K	120°	5700	150	230	
		48W	3000K	120°	6720	140	230	
			4000K	120°	7200	150	230	
			5700K	120°	7200	150	230	
		56W	3000K	120°	7840	140	230	
			4000K	120°	8400	150	230	
			5700K	120°	8400	150	230	

Energy rating is a reflection of the LED light source.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	184
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	184
ACKITMWS	Microwave Sensor on/off Plug-in Kit	Sold Separately	184
ACKITMWSDIM	MIcrowave Sensor Dim plug-in Versabox (requires 0-10V driver)	Sold Separately	184
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	184

Anti-Corrosives

CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

Suspended gear tray for easy installation

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

Versabox plug and play kit range to accommodate project requirements

Multiple fixing points and several wiring options

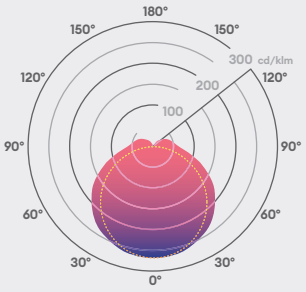
Ideal for sheds, garages and warehouses

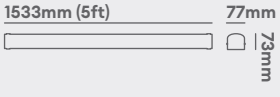
Diffuser is released by side buttons

Self and Manual emergency option available

DALI-2, 0-10V and DALI Emergency option available to order contact CWD

Beam angle: 120°





Anti-Corrosives

CCT switchable between 3000K, 4000K & 5700K

Wattage Switchable

Suspended gear tray for easy installation

Guarantee

Warranty: 7 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

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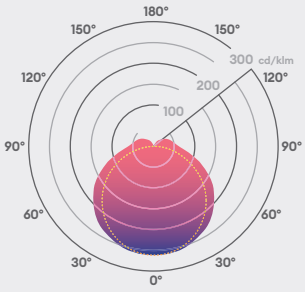


1833mm (6ft) 77mm 73mm

Borealis Versa 6ft

CCT Colour & Wattage Switchable Batten with plug-in Versabox accessories

Features

IK rating	IK06
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	Versabox, see accessories
Dimmable option	Yes (DALI-2, 0-10V, PUSH-DIM)
Input	220-240V AC
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, Manual, Self and DALI-2 Test

Installation information

Install connector type	Removeable, moveable, loop in/out
Inrush current	2.36A 0.36ms
Construction material	Steel Housing, PC Opal Diffuser RAL9003
Weight	4ft: 1.47kg, 5ft: 1.83kg, 6ft: 2.14kg
Maximum ambient temperature	-20°C - 40°C
SELV	No
Building regulations	Part L
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	EM	Energy
BT6N	Standard	33W	3000K	120°	4690	142	200	
			4000K	120°	5025	152	200	C
			5700K	120°	5025	152	200	
		45W	3000K	120°	6300	140	200	
			4000K	120°	6750	150	200	C
			5700K	120°	6750	150	200	
		56W	3000K	120°	7840	140	200	
			4000K	120°	8400	150	200	C
			5700K	120°	8400	150	200	
		67W	3000K	120°	9380	140	200	
			4000K	120°	10050	150	200	C
			5700K	120°	10050	150	200	

Energy rating is a reflection of the LED light source.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

ACKITMANEM	Manual Test Emergency plug-in Versabox	Sold Separately	184
ACKITSELFEM	Self Test Emergency plug-in Versabox	Sold Separately	184
ACKITMWS	Microwave Sensor on/off Plug-in Kit	Sold Separately	184
ACKITMWSDIM	MIcrowave Sensor Dim plug-in Versabox (requires 0-10V driver)	Sold Separately	184
ACREMOTEMWS	Remote for Microwave Sensor	Sold Separately	184

Polas Versa 5ft

Colour switchable Batten with IP66 protection perfect for all applications

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	Microwave & PIR options
Dimmable option	No
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	No

Installation information

Install connector type	Push-fit terminal, loop-in/ loop-out
Inrush current	13.6A 328us
Construction material	Anti-UV Polycarbonate
Weight	1kg
Maximum ambient temperature	-20°C - 40°C
SELV	No
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠°	lm	Llm/W	Energy
POL30104	Standard	43W	3000K	120°	6300	149	D
			4000K	120°	6600	153	
			6500K	120°	6500	153	
POL30304	DALI Dimmable	43W	3000K	120°	6400	149	D
			4000K	120°	6600	153	
			6500K	120°	6500	153	

Energy rating is a reflection of the LED light source.

Wiring information

Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

POL30504	Polas Versa PIR Sensor	Sold Separately	185

Anti-Corrosives

Colour switchable between 3000K 4000K & 6500K

IP66 for total dust ingress protection

IK10 rated high resistance against impact and vadalism

Guarantee

5 years (product), 2 years (on-site)

Features & benefits

Tool-less installation method making for a fast installation

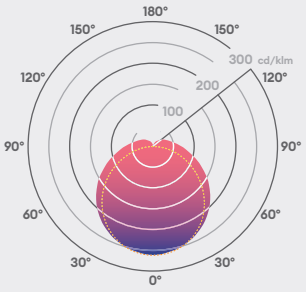
Designed for industrial and residential applications

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: 120°



1600mm

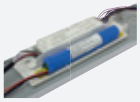
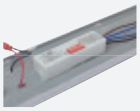
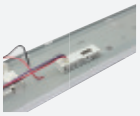
65mm

Anti-Corrosives & Battens

Make your Caiman & Borealis Versa perfect for your installation

Optional Plug & Play kits and accessories for the perfect installation, 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							
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 2ft Page 173	**Caiman Versa 4ft** Page 174	**Caiman QC 4ft** Page 175	**Caiman Versa 5ft** Page 176	**Caiman QC 5ft** Page 177	**Caiman Versa 6ft** Page 178	**Caiman QC 6ft** Page 179	**Borealis Versa 4ft** Page 180	**Borealis Versa 5ft** Page 181	**Borealis Versa 6ft** Page 182
ACKITMANEM	●	●		●		●		●	●	●
ACKITSELFEM	●	●		●		●		●	●	●
ACKITDALIEM		●*		●*		●*		●*	●*	●*
ACKITMWS	●	●	●*	●	●*	●	●*	●	●	●
ACKITMWSDIM		●*		●*		●*		●*	●*	●*
ACREMOTEMWS	Compatible with **ACKITMWSDIM & ACKITMWS**									
ACBESA	●	●		●		●				

* Assembled on demand by Collingwood production.

	PIRBOLT (PIR)	PIRBOLTDIM (PIR)	PIRBOLTDIMR (PIRBOLTDIM Remote)	EMBOLT... (Emergency)
Accessory on its own				
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

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

Compatible with

	Caiman Versa 2ft Page 173	**Caiman Versa 4ft** Page 174	**Caiman QC 4ft** Page 175	**Caiman Versa 5ft** Page 176	**Caiman QC 5ft** Page 177	**Caiman Versa 6ft** Page 178	**Caiman QC 6ft** Page 179	**Borealis Versa 4ft** Page 180	**Borealis Versa 5ft** Page 181	**Borealis Versa 6ft** Page 182
PIRBOLT	●	●	-	●	-	●	-	●	●	●
PIRBOLTDIM	●	●	-	●	-	●	-	●	●	●
PIRBOLTDIMR	Compatible with **PIRBOLTDIM**									
EMBOLTMCOR	●	●	-	●	-	●	-	●	●	●
EMBOLTMOPEN	●	●	-	●	-	●	-	●	●	●
EMBOLTSCOR	●	●	-	●	-	●	-	●	●	●
EMBOLTSOPEN	●	●	-	●	-	●	-	●	●	●

High/Low Bays

High/Low bays

RackBay

The RackBay combine excellent performance with quick payback.

Wattage & CCT switchable

Wattage switchable: one light, three wattage outputs

RackBay provides both the output of a single wattage or three wattages within the same product. Adjust the wattage switch during installation.

Product	0-10V wattage switchable output	
Rackbay 60-100W 3000K/4000K	60-80-100W	8700/9000lm, 11600/12000lm, 14500/15000lm
Rackbay 160-200W 3000K/4000K	160-180-200W	22400/24000lm, 25200/27000lm, 28000/30000lm
Rackbay 200-240W 3000K/4000K	200-220-240W	28000/30000lm, 30800/33000lm, 33600/36000lm

Product	DALI-2 single wattage output	
Rackbay 100W 3000K/4000K	100W	14500/15000lm
Rackbay 200W 3000K/4000K	200W	28000/30000lm
Rackbay 240W 3000K/4000K	240W	33600/36000lm

CCT switchable: one light, two CCT temperatures

Our colour switchable rackbays allows you to stock 2 colour temperatures in 1 product (3000K & 4000K).

Advantages

- Customer can choose which colour they prefer.
- Adjust using a switch during installation.

3000K Warm White

4000K Cool White

Warranty

Long warranty for piece of mind.

5 year guarantee

2 year on-site warranty

Dimmable

As standard, the RackBay offers DALI-2 or 0-10V dimming technology, providing flexibility of control.

Dim **DALI-2, 0-10V**

IP20 & IK07

High impact resistance ensures that accidental collisions will not adversely effect the performance of the product. Combine this with IP20 resistance, meaning a great choice for warehouse racking areas.

IP20 IK07

Easy installation

Designed to be as easy as possible to install and maintain.

Lightweight

With its unique and skilful design, the RackBay is extremely lightweight, allowing easy installation and maintenance whilst providing high lumen output.

Aisle spaces

110x55 lens optics provide a rectangular light distribution that is ideal for mounting between 3m and 14m heights.

Compact

Small in size, so it can be installed by an individual.

Motion sensors

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.

Product code : HBPIR
PIR with daylight switch

Product code : HBPIRDLD
PIR with daylight harvest sensor

Product code : HBMWS
Microwave with daylight switch

Emergency bolt-on

The emergency bolt-on are available for aisles, corridors and open areas.

Up to 10m high

Install as high as 10m high.

Quick attachment

Fast 4 minute conversion time.

Easy attachment

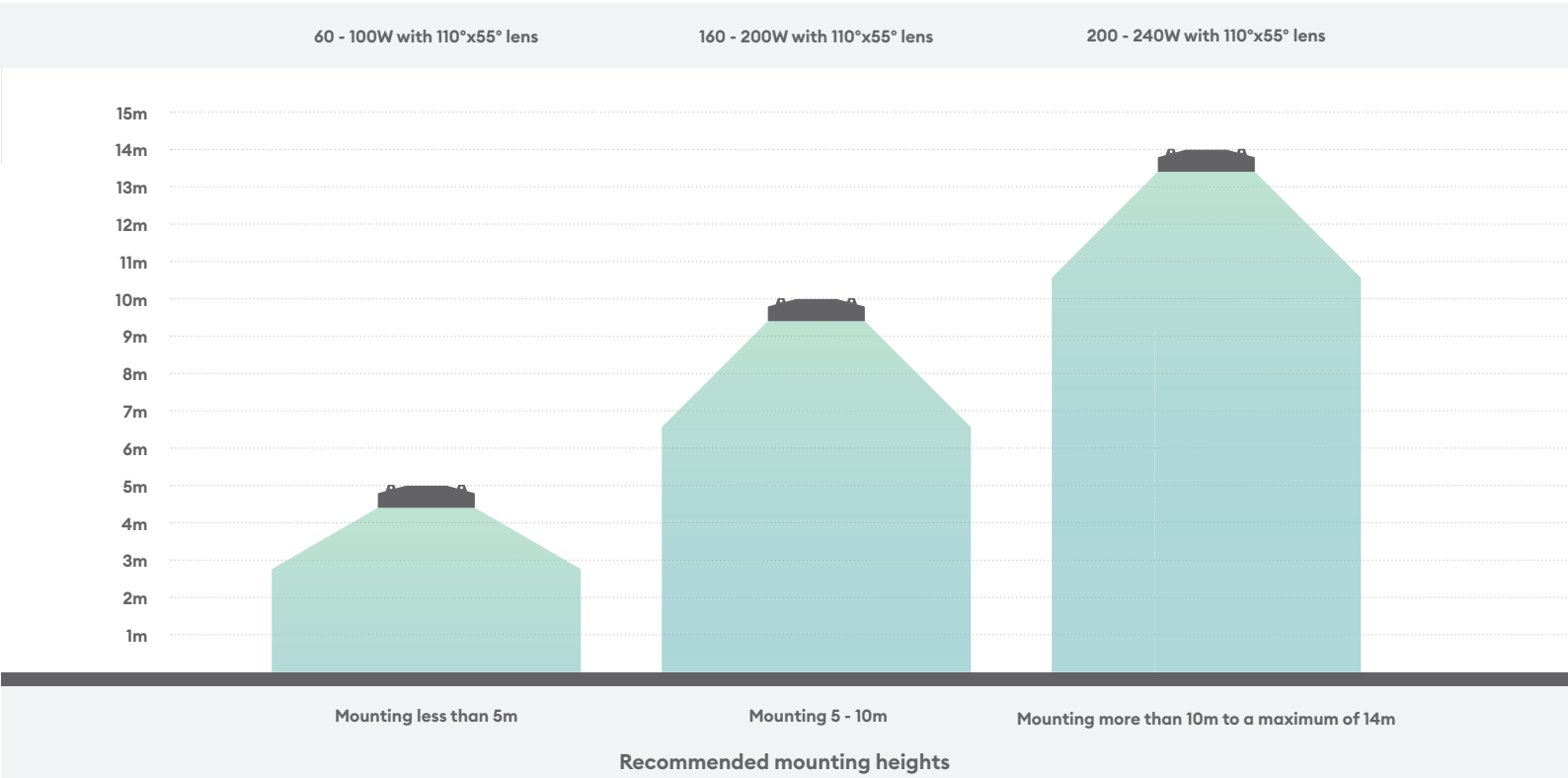
M20 interface for easy installation.

EMBOLTMRACK

EMBOLT....

Mounting heights

Use the diagram below to choose your ideal Rack bay, or for a consultation on your requirements, contact our expert team today.



Recommended mounting heights

High Bays

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.

1 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

2 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%

3 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.

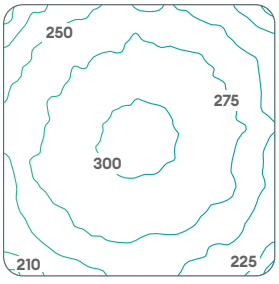
Save up to an additional 22%

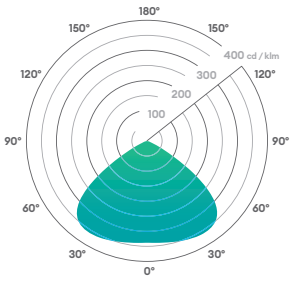
Energy rate £/kWh: £0.37	Existing fitting	1 Collingwood fitting	2 Collingwood fitting with motion sensor	3 Collingwood fitting with motion sensor and daylight detection
Average lamp life	12,000 hours	54,000 hours	54,000 hours	54,000 hours
Quantity of fittings	100	100	100	100
Watts per fitting	400W	150W	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.

Takes under **3 seconds**

Installation is **Tool-less**

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

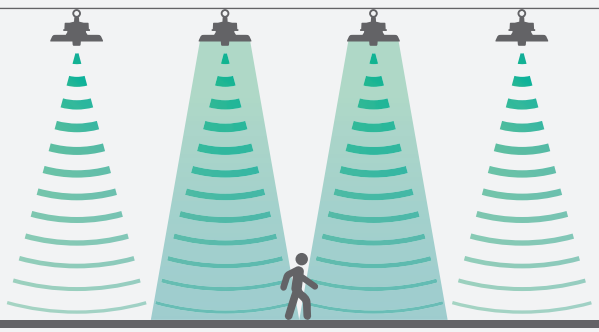
Ideal for use in open areas.

Perfect for areas that need to trigger when the sensor is not in a direct line of sight.

Product code : HBMWS
with daylight switch

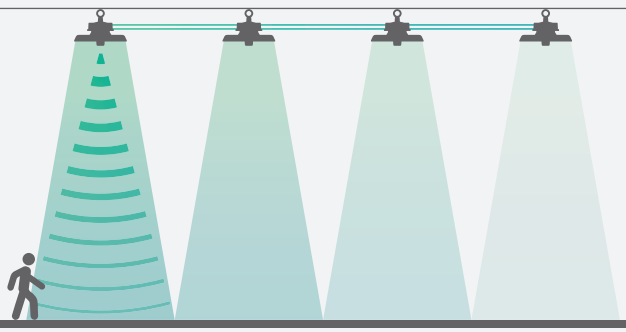
Individual Control

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.



High Bays

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.

0-10V

PWM

DALI-2

Warranty

Long warranty for piece of mind.

5 year guarantee

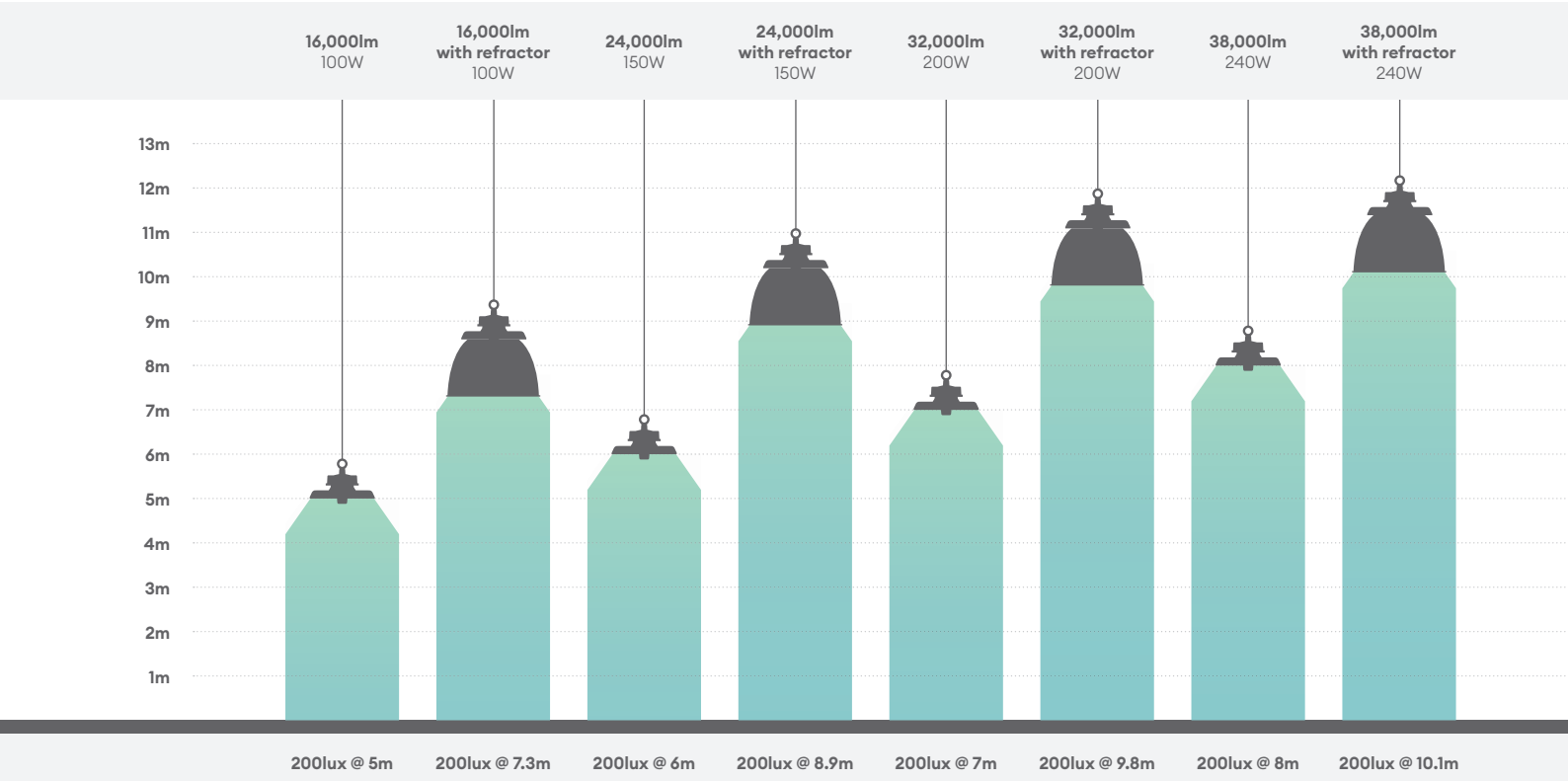
2 year on-site warranty

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.

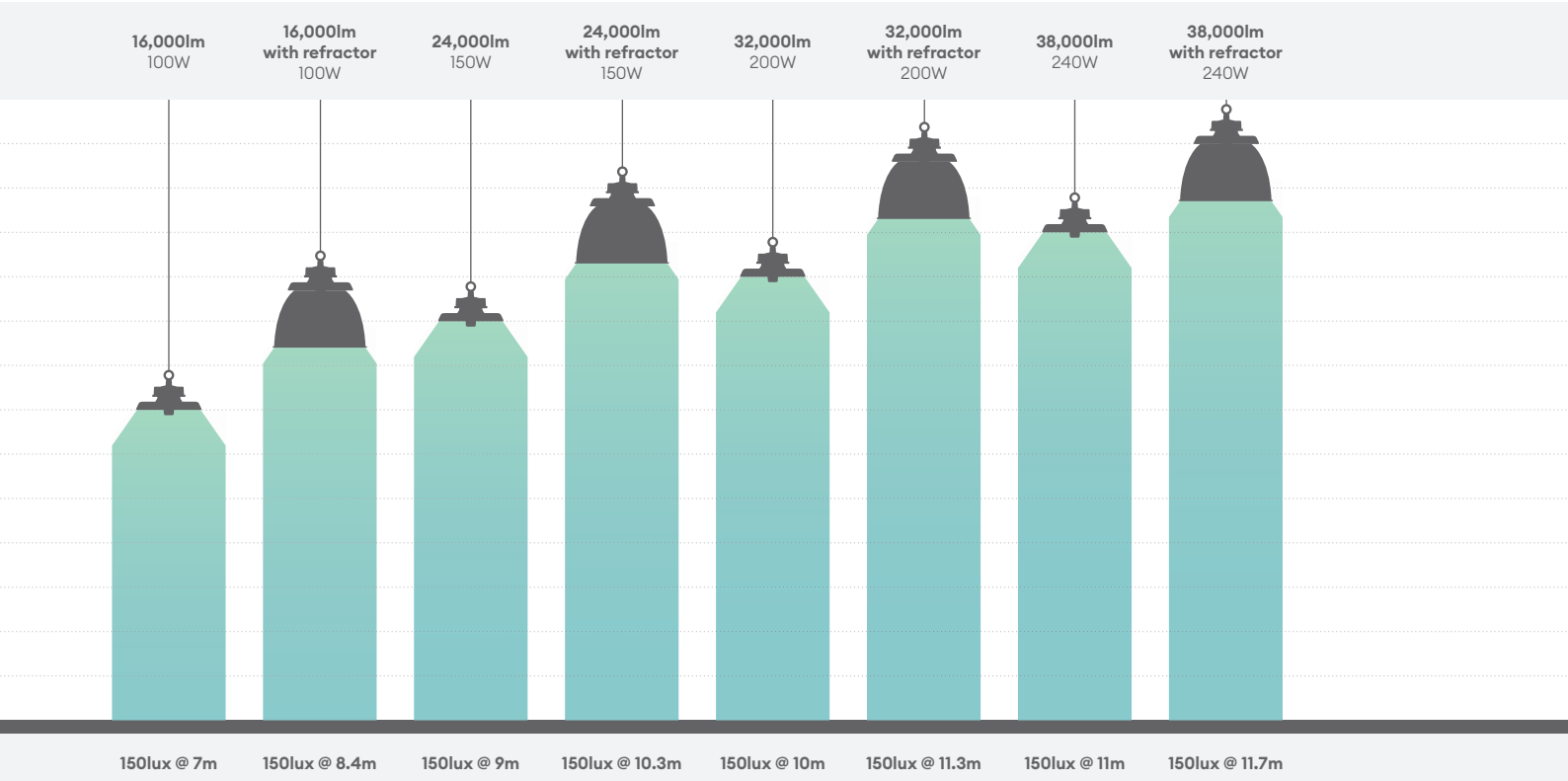
HBA12REFR
For 100W - 150W product

HBA3REFR
For 200W product

HBA4REFR
For 240W product

Area Bay - Rack storage floor

Use the below for rack storage floors (**150lux is ideal**).



High Bays

GenBay

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.

GenBay	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%**
100W	150W	2 x 80W	**Saving up to 43%**

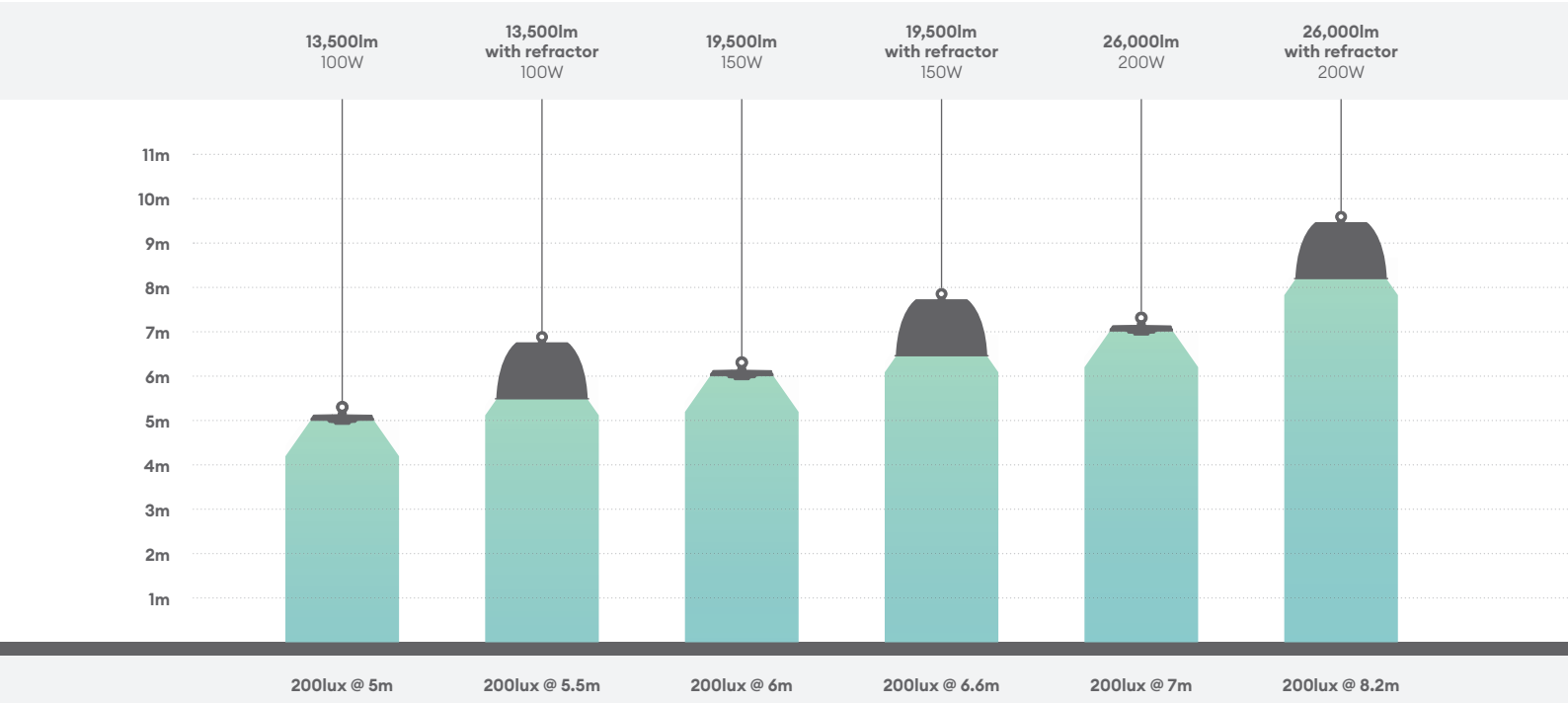
Adding lighting control can save up to 82% of your existing energy usage.

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.

GenBay - 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 : **HBGMWS**

Motion sensor

Only turn your light on when movement is detected.

Daylight switching

On/off control with time delay and daylight switching (8-15 metres max)

Quick & easy installation

Kit includes a junction box for cabling and counter weight for balance.

Emergency Option

The emergency converter is Manual-test and Self-test switchable and can be installed on site.

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.

IP65 IK08

Warranty

Long warranty for piece of mind.

3 year guarantee

2 year on-site warranty

Refractor accessories

Boost your light distribution by 20% with a decorative refractor.
Reduces glare to <UGR22.

HBGREF1015
For 100W product

HBGREF1520
For 150W product

HBGREF1520
For 200W product

Colour Switchable between 3000K and 4000K

Wattage Switchable from 60W to 240W

150lm/W High efficacy of 150lm/W

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

110x55° beam angle optimised to light racking aisles

IK07 for high protection against impact

Choice of PIR, microwave and daylight control options saves energy and takes just seconds to fit

Mounting options for jack chain suspension, M10 or M20 fixing to busbar and surface mount

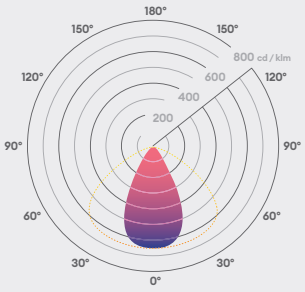
Compact and lightweight, our product can be held in one hand and installed by a single person

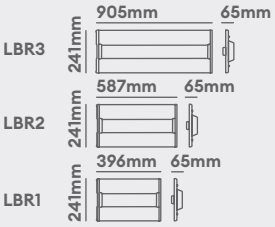
Quick access to LiFePO4 battery compartment for simple replacement

Removeable driver for easy maintenance

For emergency version use Bolt-on converter's

Beam angle: 110x55°





RackBay CSP 0-10V

Colour & wattage switchable low/high bay suitable for mounting between 3 and 14 metres high

Features

IK rating	IK07
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	Yes - with accessory
Dimmable option	Yes (0-10V)
Input	220-240V AC Surge Protection 6KV
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, using converter

Installation information

Install connector type	Flying lead
Inrush current	60-80-100W: 100A 220uS; 160-180-200: 100A 316uS: 200-220-240W 100A 316uS
Construction material	Aluminium / PC
Weight	LBR1: 2.05Kg, LBR2: 2.7Kg, LBR3: 3.36Kg
Maximum ambient temperature	-30°C - 50°C
Building regulations	Part P & L
Mounting options	Ceiling & suspended
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠	lm	Llm/W	Energy
LBR1V	0-10V Dimmable	60W	3000K	110x55°	8700	145	D
			4000K	110x55°	9000	150	
		80W	3000K	110x55°	11600	145	
			4000K	110x55°	12000	150	
		100W	3000K	110x55°	14500	145	
			4000K	110x55°	15000	150	
LBR2V	0-10V Dimmable	160W	3000K	110x55°	22400	145	D
			4000K	110x55°	24000	150	
		180W	3000K	110x55°	25200	145	
			4000K	110x55°	27000	150	
		200W	3000K	110x55°	28000	145	
			4000K	110x55°	30000	150	
LBR3V	0-10V Dimmable	200W	3000K	110x55°	28000	145	D
			4000K	110x55°	30000	150	
		220W	3000K	110x55°	30800	145	
			4000K	110x55°	33000	150	
		240W	3000K	110x55°	33600	145	
			4000K	110x55°	36000	150	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Pre-wired 3-Core 1m flying mains cable
Type of wiring required	Parallel

Accessories

LB2XSUSH	Suspension hooks for jack chain	Included

RackBay CSP DALI-2

Coming Soon

Colour & wattage switchable low/high bay suitable for mounting between 3 and 14 metres high

Features

IK rating	IK07
IP rating	IP20
CSP switchable	Switchable CCT
Sensor option	Yes - with accessory
Dimmable option	Yes (0-10V)
Input	220-240V AC Surge Protection 6KV
LED lifetime	L70 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, using converter

Installation information

Install connector type	Flying lead
Inrush current	60-80-100W: 100A 220uS; 160-180-200: 100A 316uS: 200-220-240W 100A 316uS
Construction material	Aluminium / PC
Weight	LBR1: 2.05Kg, LBR2: 2.7Kg, LBR3: 3.36Kg
Maximum ambient temperature	-30°C - 50°C
Building regulations	Part P & L
Mounting options	Ceiling & suspended
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	W	Colour	∠	lm	Llm/W	Energy
LBR1D	DALI-2	100W	3000K	110x55°	14500	145	D
			4000K	110x55°	15000	150	
LBR2D	DALI-2	200W	3000K	110x55°	28000	145	D
			4000K	110x55°	30000	150	
LBR3D	DALI-2	240W	3000K	110x55°	33600	145	D
			4000K	110x55°	36000	150	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Pre-wired 6-Core 1m flying mains cable
Type of wiring required	Parallel

Accessories

LB2XSUSH	Suspension hooks for jack chain	Included	
LB2XBRKT	M20 Busbar mounting brackets	Sold Separately	199
HBROD	M20 Rod Mount Kit	Sold Separately	205
EMBOLTMRACK	M20 Emergency Converter 8-12 metres	Sold Separately	199
EMBOLTMOPEN	M20 Emergency Converter 3-6 metres	Sold Separately	199
HBPIRDLD	PIR + Daylight Dimming/Harvest Sensor	Sold Separately	198
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately	57

Colour Switchable between 3000K and 4000K

Wattage Switchable from 60W to 240W

150lm/W **High efficacy of 150lm/W**

Guarantee

Warranty: 5 years Battery Warranty: 5 years On-Site Warranty: 2 years

Features & benefits

110x55° beam angle optimised to light racking aisles

IK07 for high protection against impact

Choice of PIR, microwave and daylight control options saves energy and takes just seconds to fit

Mounting options for jack chain suspension, M10 or M20 fixing to busbar and surface mount

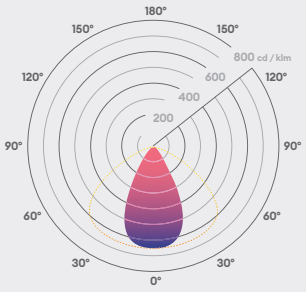
Compact and lightweight, our product can be held in one hand and installed by a single person

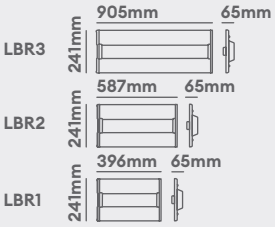
Quick access to LiFePO4 battery compartment for simple replacement

Removeable driver for easy maintenance

For emergency version use Bolt-on converter's

Beam angle: 110x55°





RackBay accessories

Make your RackBay 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 RackBay

	HBPIR	HBPIRDLD	HBDLS	HBMWS	UNREMOTEMWS (sensor remote)
Accessory on its own					
Accessory on product					-

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
UNREMOTEMWS	Remote control for commissioning, compatible with **HBPIR**, **HBDLS** and **HBMWS**	5 years

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

Compatible with

	Rack Bay 100W Page 196-197	**Rack Bay 60W-100W** Page 196-197	**Rack Bay 200W** Page 196-197	**Rack Bay 160W-200W** Page 196-197	**Rack Bay 240W** Page 196-197	**Rack Bay 200W-240W** Page 196-197
HBPIR	●	●	●	●	●	●
HBPIRDLD	●	●	●	●	●	●
HBDLS	●	●	●	●	●	●
HBMWS	●	●	●	●	●	●
UNREMOTEMWS	Compatible with **HBPIR**, **HBDLS** and **HBMWS**					

	LB2XBRKT	EMBOLTMRACK	EMBOLTSRACK	EMBOLT... (Emergency)
Accessory on its own				
Accessory on product				

Product codes

Product Code	Description	Guarantee
LB2XBRKT	2 x Mounting brackets	5 years
EMBOLTMRACK	3 hour emergency conversion pack, rack optic, manual test	4 years guarantee of the electronics 2 years guarantee of the battery
EMBOLTSRACK	3 hour emergency conversion pack, rack optic, self test	4 years guarantee of the electronics 2 years guarantee of the battery
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

	Rack Bay 100W Page 196-197	Rack Bay 60W-100W Page 196-197	Rack Bay 200W Page 196-197	Rack Bay 160W-200W Page 196-197	Rack Bay 240W Page 196-197	Rack Bay 200W-240W Page 196-197
LB2XBRKT	●	●	●	●	●	●
EMBOLTMRACK	●	●	●	●	●	●
EMBOLTSRACK	●	●	●	●	●	●
EMBOLTMCOR	●	●	●	●	●	●
EMBOLTMOPEN	●	●	●	●	●	●
EMBOLTSCOR	●	●	●	●	●	●
EMBOLTSOPEN	●	●	●	●	●	●

High efficacy of 160lm/W

Very light weight for easy installation

Emergency option available

Guarantee

Warranty: 5 years Battery Warranty: 2 years On-Site Warranty: 2 years

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

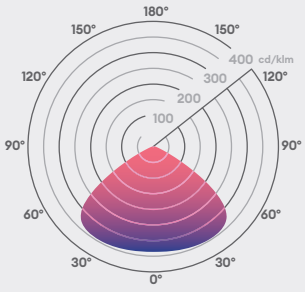
Quick access to LiFePO4 battery compartment for simple replacement

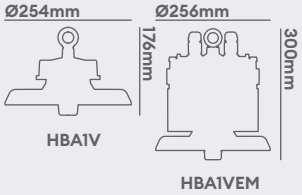
Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Pre-wired with 1.5m H05RN-F 3x1.0mm² Ø7mm

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 AC Surge Protection 6KV
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, Manual-Test

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 - +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	Type	Finish	W	CCT	∠°	lm	lm/W	EM	Energy
HBA1D	DALI-2	Matt black RAL9017	100W	4000K	110°	16000	160	-	C
HBA1V	Standard	Matt black RAL9017	100W	4000K	110°	16000	160	-	C
HBA1VEM	Emergency	Matt black RAL9017	100W	4000K	110°	16000	160	650	C

Energy rating is a reflection of the LED light source.

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	198, 204
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	198, 204
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	198, 204
HBDLS	Area Bay Daylight Sensor	Sold Separately	198, 204
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately	205

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 AC Surge Protection 6KV
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, Manual-Test

Installation information

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 - +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	Type	Finish	W	CCT	∠	lm	lm/W	EM	Energy
HBA2D	DALI-2	Matt black RAL9017	150W	4000K	110°	24000	160	-	
HBA2V	Standard	Matt black RAL9017	150W	4000K	110°	24000	160	-	
HBA2VEM	Emergency	Matt black RAL9017	150W	4000K	110°	24000	160	650	

Energy rating is a reflection of the LED light source.

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	198, 204
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	198, 204
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	198, 204
HBDLS	Area Bay Daylight Sensor	Sold Separately	198, 204
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately	205

160lm/W **High efficacy of 160lm/W**

Very light weight for easy installation

EM **Emergency option available**

Guarantee

Warranty: 5 years Battery Warranty: 2 years On-Site Warranty: 2 years

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

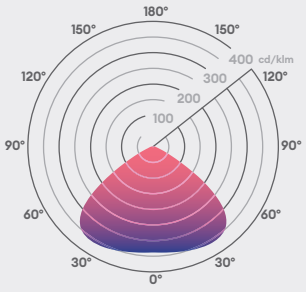
Compact and lightweight, our product can be held in one hand and installed by a single person

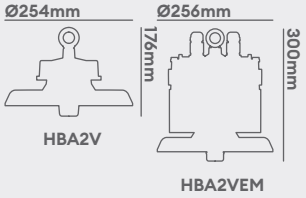
Quick access to LiFePO4 battery compartment for simple replacement

Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Beam angle: 110°





160lm/W **High efficacy of 160lm/W**

Very light weight for easy installation

EM! **Emergency option available**

Guarantee

Warranty: 5 years Battery Warranty: 2 years On-Site Warranty: 2 years

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

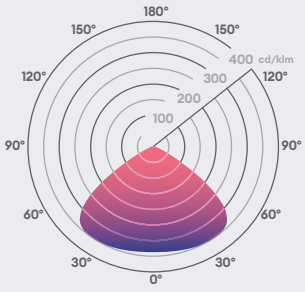
Compact and lightweight, our product can be held in one hand and installed by a single person

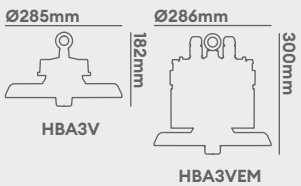
Quick access to LiFePO4 battery compartment for simple replacement

Removeable driver for easy maintenance

Impact and corrosion resistant aluminium housing which is 100% recyclable

Beam angle: 110°





Area Bay 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 AC Surge Protection 6KV
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, Manual-Test

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 - +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	Type	Finish	W	CCT	∠°	lm	lm/W	EM	Energy
HBA3D	DALI-2	Matt black RAL9017	200W	4000K	110°	32000	160	-	C
HBA3V	Standard	Matt black RAL9017	200W	4000K	110°	32000	160	-	C
HBA3VEM	Emergency	Matt black RAL9017	200W	4000K	110°	32000	160	650	C

Energy rating is a reflection of the LED light source.

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	198, 204
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	198, 204
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	198, 204
HBDLS	Area Bay Daylight Sensor	Sold Separately	198, 204
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately	205

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 AC Surge Protection 6KV
LED lifetime	L80 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
Emergency option	Yes, Manual-Test

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 - +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	Type	Finish	W	CCT	∠	lm	lm/W	EM	Energy
HBA4D	DALI-2	Matt black RAL9017	240W	4000K	110°	38400	160	-	
HBA4V	Standard	Matt black RAL9017	240W	4000K	110°	38400	160	-	
HBA4VEM	Emergency	Matt black RAL9017	240W	4000K	110°	38400	160	650	

Energy rating is a reflection of the LED light source.

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	198, 204
HBPIR	Area Bay PIR/Daylight Sensor	Sold Separately	198, 204
HBMWS	Area Bay Microwave/Daylight Sensor	Sold Separately	198, 204
HBDLS	Area Bay Daylight Sensor	Sold Separately	198, 204
UNREMOTEMWS	Remote control for use with microwave sensor	Sold Separately	205

160lm/W **High efficacy of 160lm/W**

Very light weight for easy installation

EM! **Emergency option available**

Guarantee

Warranty: 5 years Battery Warranty: 2 years On-Site Warranty: 2 years

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

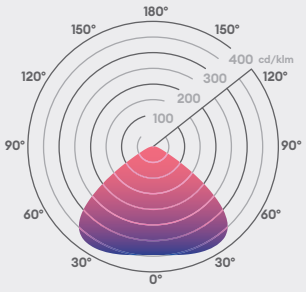
Compact and lightweight, our product can be held in one hand and installed by a single person

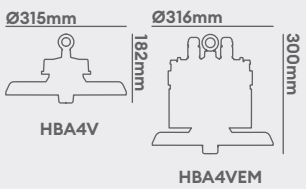
Quick access to LiFePO4 battery compartment for simple replacement

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

	HBPIR / HBPIRDLD	HBDLS	HBMWS	UNREMOTEMWS (sensor remote)	HBLEMGREM	HBA12REFR (for 100W & 150W)
Accessory on its own						
Accessory on product				-		

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
UNREMOTEMWS	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 200	**Area Bay 100W Emergency** Page 200	**Area Bay 150W** Page 201	**Area Bay 150W Emergency** Page 201	**Area Bay 200W** Page 202	**Area Bay 200W Emergency** Page 202	**Area Bay 240W** Page 203	**Area Bay 240W Emergency** Page 203
HBPIR	●	●	●	●	●	●	●	●
HBPIRDLD	●	●	●	●	●	●	●	●
HBDLS	●	●	●	●	●	●	●	●
HBMWS	●	●	●	●	●	●	●	●
HBLEMGREM	●		●		●		●	
HBA12REFR	●	●	●	●				
UNREMOTEMWS	Compatible with **HBPIR**, **HBDLS** and **HBMWS**							

	HBA3REFR (for 200W)	HBA4REFR (for 240W)	HBROD	HBBRA	HBBRAEXT	HBBRAEM
Accessory on its own						
Accessory on product						

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 **collingwoodlighting.com**

Compatible with

	Area Bay 100W Page 200	**Area Bay 100W Emergency** Page 200	**Area Bay 150W** Page 201	**Area Bay 150W Emergency** Page 201	**Area Bay 200W** Page 202	**Area Bay 200W Emergency** Page 202	**Area Bay 240W** Page 203	**Area Bay 240W Emergency** Page 203
HBA3REFR					●	●		
HBA4REFR							●	●
HBROD	●	●	●	●	●	●	●	●
HBBRA	●		●		●		●	
HBBRAEXT	●		●		●		●	
HBBRAEM		●		●		●		●

135lm/W **High efficacy of 135lm/W**

Sensor kit includes junction box and counter weight

EM! **Emergency option available**

Guarantee

Warranty: 3 years Battery Warranty: 3 years On-Site Warranty: 2 years

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)

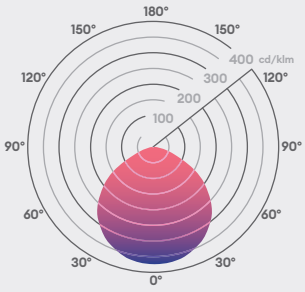
Ultra slim and light weight highbay for easy handling

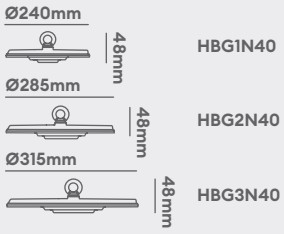
Pre-wired with 1.0m H05RN-F 3x1.0mm² Ø7mm

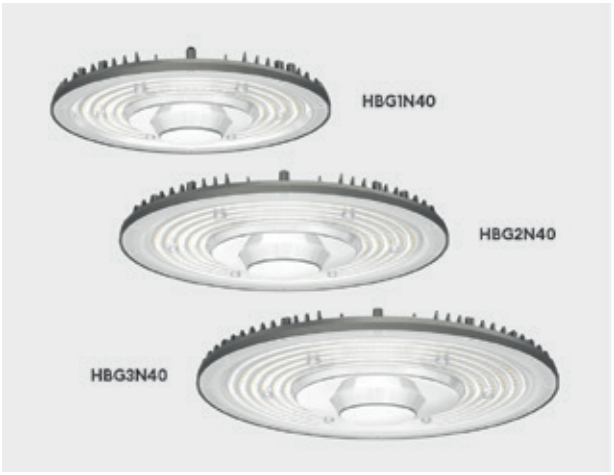
Suitable for jack chain, M10 drop rod or catenary wire suspension

IK08 for robust impact protection

Beam angle: 110°







GenBay

Ultra-slim and lightweight highbay for lighting general applications

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Sensor option	On-Off Microwave sensor & daylight switching available
Dimmable option	No
Input	220-240V AC Surge Protection 6KV
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes, using converter

Installation information

Install connector type	Flying lead
Inrush current	10A 100us
Construction material	Aluminium ADC12
Weight	0.82 - 1.12 - 1.5kg
Maximum ambient temperature	-30°C - 40°C
Building regulations	Part P & L
Mounting options	Jack Chain or Rod Mount
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	Finish	W	CCT	∠°	lm	lm/W	Energy
HBG1N40	On-Off	Grey	100W	4000K	110°	13500	135	A E
HBG2N40	On-Off	Grey	150W	4000K	110°	19500	130	A E
HBG3N40	On-Off	Grey	200W	4000K	110°	26000	130	A E

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Pre-wired with 1.0m H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

HBGMWS	Microwave sensor kit inc junction box and counterweight	Sold Separately	207
HBGREF1015	UGR22 Refractor for 100/150W	Sold Separately	207
HBGREF1520	UGR22 Refractor for 150/200W	Sold Separately	207
HBGEMC1MS	Emergency conversion kit	Sold Separately	207

GenBay accessories

Make your GenBay perfect for your installation

Optional microwave sensor, refractors, and emergency accessories.

Use the tables below to choose the perfect accessory

	HBGMWS	HBGREF1015	HBGREF1520	HBGEMC1MS
Accessory on its own				
Accessory on product				

Product codes

Product Code	Description	Guarantee
HBGMWS	Microwave sensor kit for GenBay High Bay	5 years
HBGREF1015	UGR22 Refractor for GenBay 100W	5 years
HBGREF1520	UGR22 Refractor for GenBay 150/200W	5 years
HBGEMC1MS	Emergency Converter Manual & Self Test	5 years

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

Compatible with

	GenBay 100W Page 206	GenBay 150W Page 206	GenBay 200W Page 206
HBGMWS	●	●	●
HBGREF1015	●		
HBGREF1520		●	●
HBGEMC1MS	●	●	●

167lm/W — **High efficacy of 167lm/W**

W — **Wattage Switchable between 6W & 10W**

IP66 — **IP66 suitable for warehouse all applications**

Guarantee

4 years on electronics, 2 years on battery

Features & benefits

1500lm output

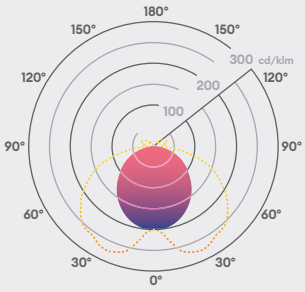
15 metres mounting height, provides 1 lux (escape route) at floor level when using 29 metre spacings

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 AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80

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 - 45°C
Mounting options	Ceiling, wall, BESA & conduit M20
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	CCT	∠	lm
EMBMAX	Manual-test	Non-Maintained	LiFePO4 6.4V 6.6Ah	6W | 10W	6500K	135°	1000-1500
EMBMAXST	Self-test	Non-Maintained	LiFePO4 6.4V 6.6Ah	6W | 10W	6500K	135°	1000-1500

Wiring information

Cable / flying lead	0.75-4.0mm²
Type of wiring required	Parallel

Accessories

Area Bay	Use as remote emergency solution to reduce light points required	Sold Separately	**200 - 203**
Caiman	Use as remote emergency solution to reduce light points required	Sold Separately	**173 - 179**
Borealis	Use as remote emergency solution to reduce light points required	Sold Separately	**180 - 182**

Industrial Floodlights

35
34
33
32

Industrial floodlights

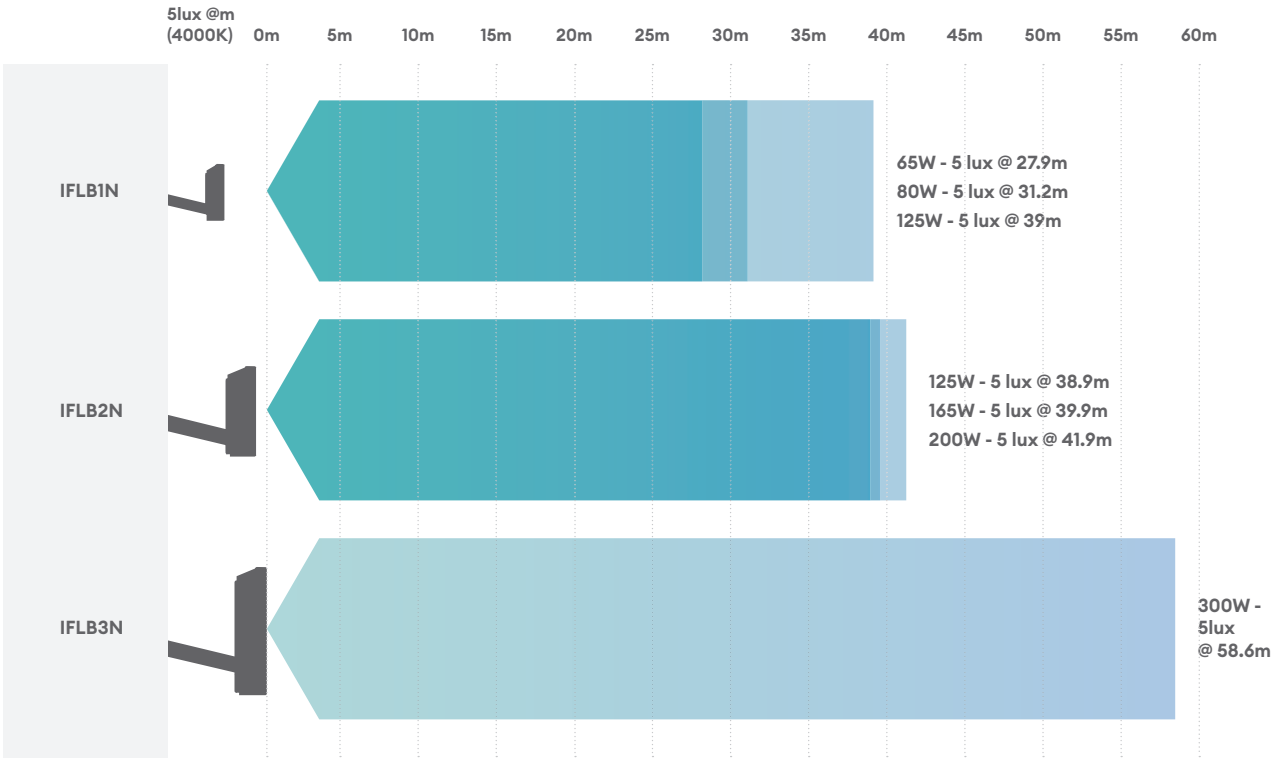
Indy K3

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

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

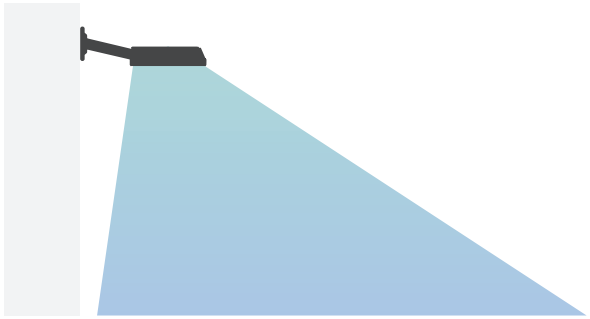
Mid 125W-165W-200W - 19,500-27,500lm

High 300W - 44,500lm

Beam angle

Symmetric

Symmetric beam angle provides light in a conic shape, illuminating the surface in all directions, from the centre to all sides, as the lens pushes the light equally in all directions.



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
Indy K3 65W-80W-125W	3
Indy K3 125W-165W-200W	2
Indy K3 300W	1

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) 1.39m²
Indy K3 125W-165W-200W	(4.5kg) 1.09m²
Indy K3 300W	(7.1kg) 0.74m²

Industrial Floodlights

High efficacy up to 156lm/W

Wattage switchable between 65-125W

Suitable for use in coastal applications

Guarantee

5 years (product), 2 years (on-site)

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

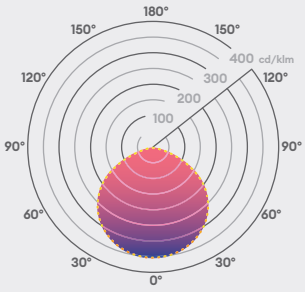
Compatible with the PCELLKIT dusk to dawn sensor

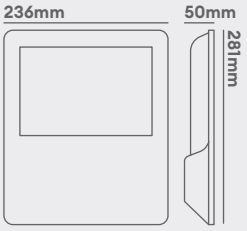
6kV Surge Protection

Asymetrical floodlights also available in K2 product range

Suitable for mounting upside down as an uplight

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 AC Surge Protection 6KV
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
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	IFLB1N__: 2.5kg
Maximum ambient temperature	-40°C - 40°C
SELV	No
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	Colour	∠	lm	lm/W	Energy
IFLB1N30	Black	65W	3000K	120°	9500	146	
		80W	3000K	120°	12000	150	E
		125W	3000K	120°	19000	152	
IFLB1N40	Black	65W	4000K	120°	10000	154	
		80W	4000K	120°	12500	156	D
		125W	4000K	120°	19500	156	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	1000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	217

Indy K3 125-165-200W

Wattage Switchable Symmetrical Floodlight

152lm/W — **High efficacy up to 152lm/W**

W — **Wattage switchable between 125-200W**

Suitable for use in coastal 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 AC Surge Protection 6KV
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
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 - 40°C
SELV	No
Building regulations	Part P
Electric class (1, 2, 3)	1

Guarantee

5 years (product), 2 years (on-site)

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

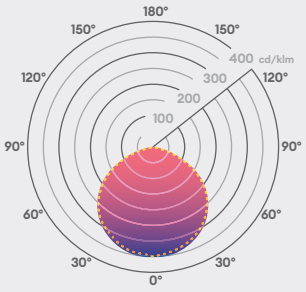
Suitable for mounted upside down as an uplight

Photometrics @ 25°C

Product code	Finish	W	Colour	⩘	lm	lm/W	Energy
IFLB2N30	Black	125W	3000K	120°	19000	152	E
		165W	3000K	120°	24500	148	
		200W	3000K	120°	27000	135	
IFLB2N40	Black	125W	4000K	120°	19500	156	D
		165W	4000K	120°	25000	156	
		200W	4000K	120°	27500	152	

Energy rating is a reflection of the LED light source.

Beam angle: 120°

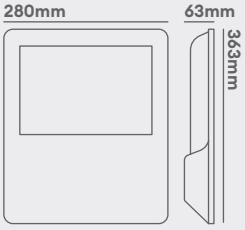


Wiring information

Cable / flying lead	1000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	217



Industrial Floodlights

147lm/W **High efficacy up to 147lm/W**

300W **High power 300W**

Suitable for use in coastal applications

Guarantee

5 years (product), 2 years (on-site)

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

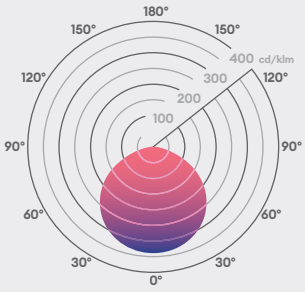
Compatible with the PCELLKIT dusk to dawn sensor

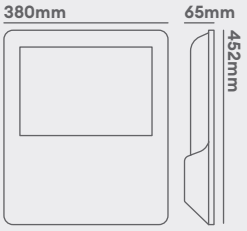
6kV Surge Protection

Asymetrical floodlights also available in K2 product range

Suitable for mounting upside down as an uplight

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 AC Surge Protection 6KV
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5
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	7.1kg
Maximum ambient temperature	-40°C - 40°C
SELV	No
Building regulations	Part P
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	CCT	∠	lm	lm/W	Energy
IFLB3N30	Black	300W	3000K	120°	44000	147	D
IFLB3N40	Black	300W	4000K	120°	44500	138	D

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	1000mm H05RN-F 3x1.0mm² Ø7mm
Type of wiring required	Parallel

Accessories

PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	217

Indy K3 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

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 **collingwoodlighting.com**

Compatible with

	Indy K3 CSP 60 - 125W Page 214	**Indy K3 CSP 125 - 200W** Page 215	**Indy K3 CSP 300W** Page 216
PCELLKIT	●	●	●

Emergency

Emergency

Comprehensive range of emergency lighting

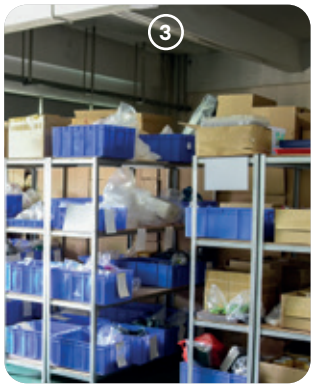
A complete solution for emergency lighting in commercial and industrial areas, complete with the very latest LED and battery technology.

Emergency range

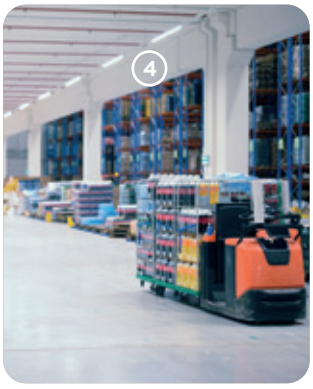
The Collingwood emergency range is safe, reliable and full of market leading performance features. It has low operational running costs across the long product lifetime. The complete range features bulkheads, exit boxes, exit blades, escape routes and twin spots, all complying with ISO 3864-1.

Mount on corridor ceilings

Mount above exits



Light up areas



Light up open areas

① **Blade**

② **Box**

② **Bulkhead**

③ **Route**

④ **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

Non-maintained emergency luminaires are designed to switch on when a buildings power fails.

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 222	**Emergency Box** Page 223	**Emergency Bulkhead** Page 224	**Emergency Route** Page 229	**Emergency Twin spot** Page 227	**Salvus Max** Page 208, 226	**Salvus Sur-face** Page 228	**LEDEP10** Page 232	**LEDEP10EM** Page 231	**LEDEP10DA** Page 233
Self test	●	●	●	●	●	●		●		●
Manual test	●	●	●	●		●	●	●	●	

Mounting options

	Emergency Blade Page 222	**Emergency Box** Page 223	**Emergency Bulkhead** Page 224	**Emergency Route** Page 229	**Emergency Twin spot** Page 227	**Salvus Max** Page 208, 226	**Salvus Sur-face** Page 228
Ceiling	●		●	●		●	●
Wall	●	●	●		●	●	
Suspended	●		●				
Conduit M20			●		●	●	●
BESA			●			●	
Open area lens				●			●
Corridor lens				●			●

LiFeP04 battery available

Self-test or Manual test available

Auxiliary floor illumination to 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 points

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

50lm, emergency exit blade, 30m viewing distance

Features

Viewing distance	30
IK rating	IK08
IP rating	IP20
CSP switchable	Single CCT
Input	220-240V AC
Colour rendering Index	CRI>80

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

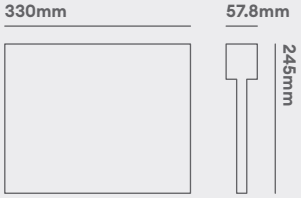
Product code	Test method	Maintained	Battery	W	CCT	∠°	lm
EMBL30M	Manual-test	Maintained	LiFePO4	4.0W	6500K	120°	50
EMBL30S	Self-test	Maintained	LiFePO4	4.0W	6500K	120°	50

Wiring information

Cable / flying lead	Screwless terminals, up to 0.75mm²
Type of wiring required	Parallel

Accessories

EMBLUP	Pictogram Arrow UP.	Sold Separately	**225**
EMBLDO	Pictogram Arrow DOWN.	Sold Separately	**225**
EMBLRI	Pictogram Arrow RIGHT.	Sold Separately	**225**
EMBLLE	Pictogram Arrow LEFT.	Sold Separately	**225**
EMBLSK	Suspension Kit (2x 1m cable + fixings)	Sold Separately	**225**



Salvus Emergency Exit Box

47lm, emergency exit box, 35m viewing distance

LiFeP04 battery available

Self Test or Manual Test

Self-test or Manual test available

Auxiliary floor illumination to light areas under fitting

Features

Viewing distance	35
IK rating	IK08
IP rating	IP20
CSP switchable	Single CCT
Input	220-240V AC
Colour rendering Index	CRI>80

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 - 45°C
Mounting options	Wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	CCT	∠°	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 1.0mm²
Type of wiring required	Parallel

Accessories

EMBXUP	Pictogram Arrow UP.	Sold Separately	**225**
EMBXDO	Pictogram Arrow DOWN.	Sold Separately	**225**
EMBXRI	Pictogram Arrow RIGHT.	Sold Separately	**225**
EMBXLE	Pictogram Arrow LEFT.	Sold Separately	**225**

Guarantee

Manual-test: 2 yearsSelf-test: 3 years

Features & benefits

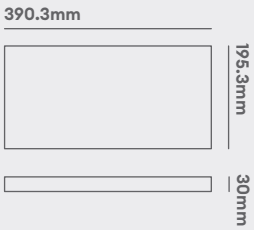
By simply connecting the cables to the push-fit terminals, terminals allow for both maintained and non-maintained usage

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



LiFeP04 battery available

Self Test or Manual Test

Self-test or Manual test available

IP65

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

Diffuser is rugged and made of polycarbonate

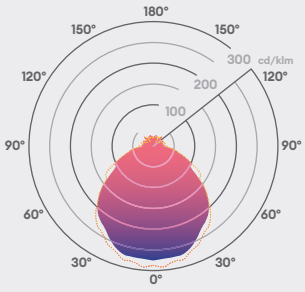
Viewing distance of 18m

Complying with ISO 3864-1, and proud members of the ICEL

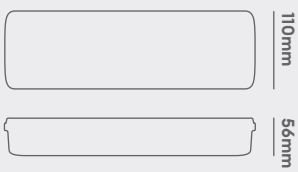
Ideal for open areas, escape routes, for general illumination or as an exit sign

Adhesive legend is supplied and divided in five parts

Beam angle: 120°



355mm



Salvus Emergency Bulkhead

145lm, emergency bulkhead, 18m viewing distance

Features

Viewing distance	18
IK rating	IK07
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V AC
Colour rendering Index	CRI>80

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

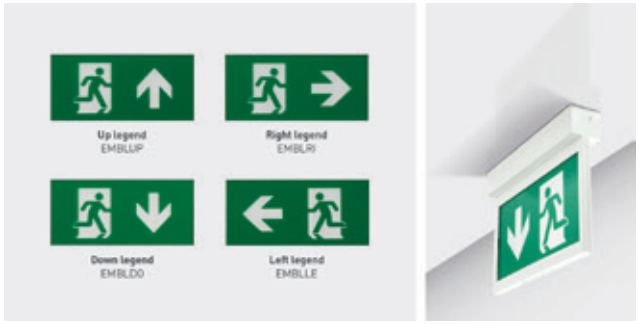
Product code	Test method	Maintained	Battery	W	CCT	∠°	lm
EMBH145M	Manual-test	[Maintained], [Non-Maintained]	LiFePO4	3.0W	6500K	120°	145
EMBH145S	Self-test	[Maintained], [Non-Maintained]	LiFePO4	3.0W	6500K	120°	145

Wiring information

Cable / flying lead	0.5 to 1.0mm²
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)



Exit Blade Accessories

Emergency exit blade label

Features

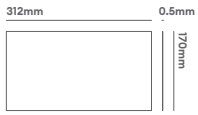
Construction material	PVC
Guarantee	3 Year Extended Warranty

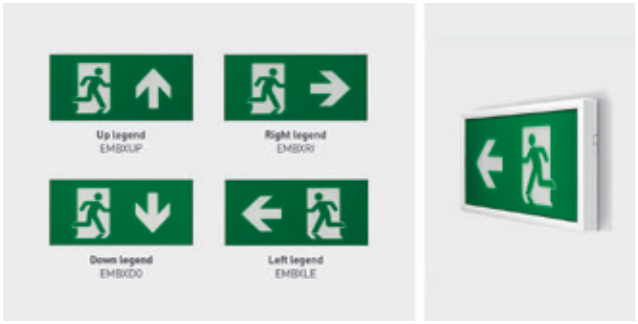
Product Code

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	222
EMBL30S	222





Exit Box Accessories

Emergency exit box label

Features

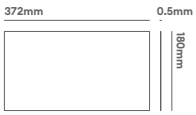
Construction material	PVC
Guarantee	3 Year Extended Warranty

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

EMBX35M	223
EMBX35S	223



Exit Blade Accessory

Emergency exit blade suspension kit

Features

Construction material	Steel
Guarantee	3 Year Extended Warranty
Weight	0.08Kg

Product Code

Product code	Description
EMBLSK	Emergency exit blade suspension kit

Use with

EMBL30M	222
EMBL30S	222

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

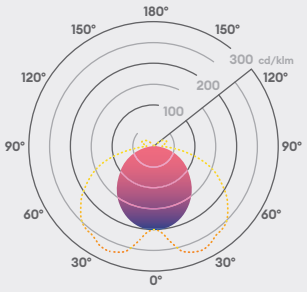
15 metres mounting height, provides 1 lux (escape route) at floor level when using 29 metre spacings

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 AC
Colour rendering Index	CRI>80

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 - 45°C
Mounting options	Ceiling, wall, BESA & conduit M20
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	CCT	∠°	lm
EMBMAX	Manual-test	Non-Maintained	LiFePO4 6.4V 6.6Ah	6W | 10W	6500K	135°	1000-1500
EMBMAXST	Self-test	Non-Maintained	LiFePO4 6.4V 6.6Ah	6W | 10W	6500K	135°	1000-1500

Wiring information

Cable / flying lead	0.75-4.0mm²
Type of wiring required	Parallel

Accessories

Area Bay	Use as remote emergency solution to reduce light points required	Sold Separately	**200 - 203**
Caiman	Use as remote emergency solution to reduce light points required	Sold Separately	**173 - 179**
Borealis	Use as remote emergency solution to reduce light points required	Sold Separately	**180 - 182**

Salvus Emergency Twin Spot

400lm, self test emergency twin spot

LiFePO4 battery available

Self-test available

IP65 suitable for outdoor environments

Features

Viewing distance	N/A
IK rating	IK08
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V AC
Colour rendering Index	CRI>80

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	0°C - 45°C
Mounting options	Wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	CCT	∠°	lm
EMTW400S	Self-test	Non-Maintained	LiFePO4	4.8W	6500K	105°	400

Wiring information

Cable / flying lead	0.5 to 1.0mm²
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

Guarantee

3 years

Features & benefits

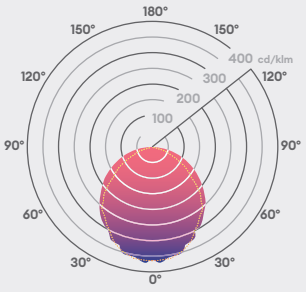
Adjustable LED heads allow beam aiming

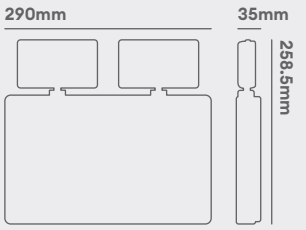
A rugged robust polycarbonate lens and housing

Charging Time = 24h

IEC reference standard - EN 60598-2-22, EN 62034

Beam angle: 105°





140lm/W — High efficacy of 140lm/W

Quick and easy installation with loop-in/loop-out connector

2W — Low energy consumption of 2W

Guarantee

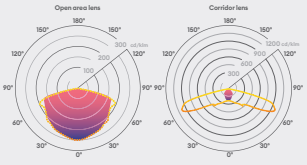
4 years on electronics, 2 years on battery

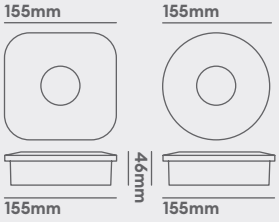
Features & benefits

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 AC
Colour rendering Index	CRI>80

Installation information

Install connector type	Integrated terminals, loop-in/loop-out
Inrush current	3A
Construction material	Polycarbonate
Weight	380g
Maximum ambient temperature	0°C - 45°C
Mounting options	Surface
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	CCT	∠°	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	0.75-4.0mm²
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

Salvus Route

High Performance Emergency Spot

Features

Viewing distance	N/A
IK rating	IK04
IP rating	IP20
CSP switchable	Single CCT
Input	220-240V AC
Colour rendering Index	CRI>80

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 - 45°C
Mounting options	Recessed
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Test method	Maintained	Battery	W	CCT	∠°	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

130lm/W **High efficacy of 130lm/W**

Quick and easy installation with loop-in/loop-out connector

1W **Low energy consumption of 1W**

Guarantee

4 years on electronics, 2 years on battery

Features & benefits

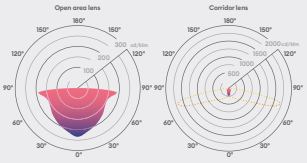
Interchangeable lens supplied making it easy to use the same product in both open area and corridor applications

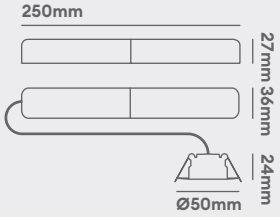
High performance providing up to 17 metre spacings

Lithium iron phosphate LiFePO4 battery

Flexible battery compartment makes it easy to insert into a ceiling cut-out

Beam angle: 165° 160°x50°





Coming Soon

One-Connect-PlusTM ‘Casambi’ products enable wireless communication with a remote DALI emergency test system without the need for additional hardware or traditional DALI bus wiring.

Casambi Wireless emergency products are equipped with Casambi’s proven 2.4GHz radio mesh technology and once paired with the remote gateway, are able to communicate with virtually any existing DALI emergency lighting test system as if it were wired.

Compatible products which could use One-Connect-PlusTM and Casambi.

LEDEP10EM

Emergency converter, Manual-test, 2.5W

Features

Wattage	2.5W
IP rating	IP20
Input	220-240V AC

Installation information

Install connector type	Mains: Push-fit terminals 0.5 - 2.5mm² DC: Plug & Play connectors
Insulation coverable	No
Cut out size	18 (status LED) 7 (test button)
Inrush current	1.5A 0.6ms
Construction material	Polycarbonate
Weight	360g
Case temperature	75
Maximum ambient temperature	0°C - 45°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 required)

Manual Test device, easy emergency lighting inspections

LiFePO4, provides long operational life

A minimum of 3 hours of emergency lighting

Guarantee

5 year extended guarantee

Features & benefits

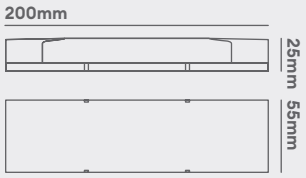
Built-in protection: - open circuit - over charging - over discharging - over temperature

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

IP20



Self Test or **Manual** Test

Self-test and Manual-test switchable

LiFePO4, provides long operational life

3hrs **EM!** lighting

A minimum of 3 hours of emergency lighting

Guarantee

5 year extended guarantee

Features & benefits

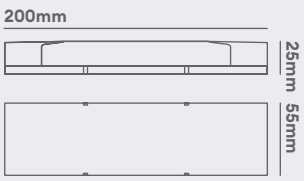
Built-in protection: - open circuit - over charging - over discharging - over temperature

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



LEDEP10

Emergency converter, Self-test & Manual-test switchable, maintained

Features

Wattage	2.5W
IP rating	IP20
Input	220-240V AC

Installation information

Install connector type	Mains: Push-fit terminals 0.5 - 2.5mm² DC: Plug & Play connectors
Insulation coverable	No
Cut out size	18 (status LED) 7 (test button)
Inrush current	1.5A 0.6ms
Construction material	Polycarbonate
Weight	390g
Case temperature	75
Maximum ambient temperature	5°C - 55°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 required)

LEDEP10DA

Emergency Converter, DALI, Self-Test

DALI addressible emergency, intellegent emergency monitoring

LiFePO4, provides long operational life

A minimum of 3 hours of emergency lighting

Features

Wattage	2.5W
IP rating	IP20
Input	220-240V AC

Installation information

Install connector type	Mains: Push-fit terminals 0.5 - 2.5mm² DC: Plug & Play connectors
Insulation coverable	No
Construction material	Polycarbonate
Weight	390g
Maximum ambient temperature	0°C - 45°C
SELV	Yes
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Description
LEDEP10DA	Emergency Converter, DALI, Self-Test

Wiring information

Cable / flying lead	Plug & Play connectors
Type of wiring required	Parallel

Accessories

Compatiable with Panel Range	Sold Separately

Guarantee

5 year extended guarantee

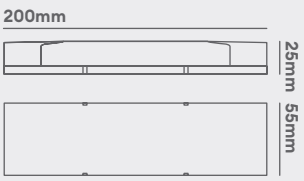
Features & benefits

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



Commercial Outdoor

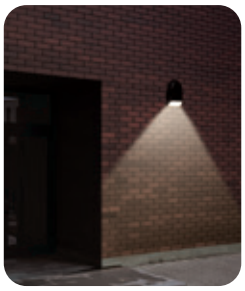
Commercial outdoor

Adding light to exterior spaces

Our range of commercial outdoor products are suitable for many applications such as the exteriors of office buildings and car parks.

Complete exterior solution

Our range of outdoor exterior lights designed to work perfectly together.



Arc / Arc Pro
Perimeter light

Halo
Entrance light

H2 Pro Extreme
Soffit light

Hydra **Cyclo**
Functional
Pathway / Car park light

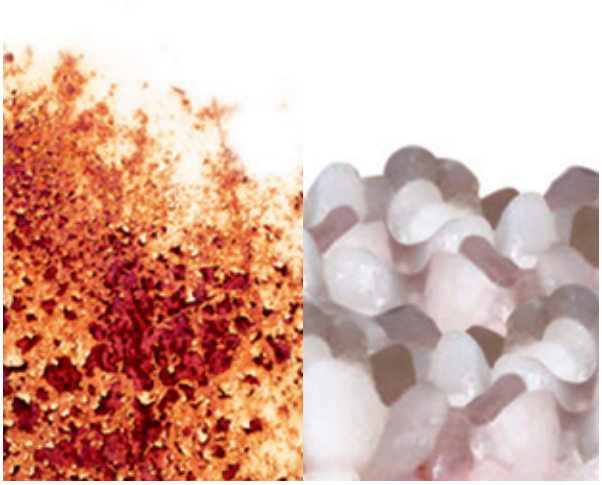
Luxi **Cyclo**
Decorative
Pathway light

Coastal protection

Rust & salt mist protection

With corrosion resistant protection and coastal protective paint, Arc Pro, Halo, H2 Pro Extreme 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 IK06, IK08 or IK10, which ensures a high impact resistance that accidental collisions will not adversely effect the performance of the product. Combine this with IP54 upto IP65 rated allows the product to be used in a wide range of applications.

IK10 IP65

3 or 5 year warranty

Offering a three or five-year warranty, on all our commercial outdoor range, so you can be assured of our commitment to quality.

Wattage & Colour switchable

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.

2200K

3000K

14W

19W

24W

Other switchable products within the Commercial outdoor range.

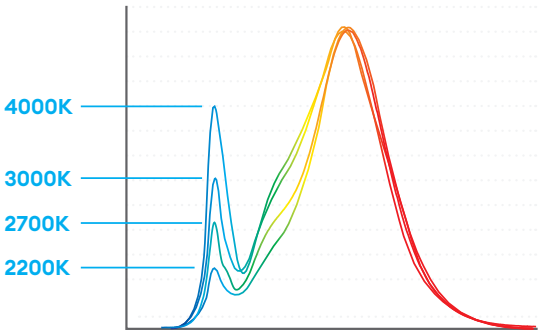
- **Arc CSP**: Wattage & colour switchable (6W-15W, 2700K & 3000K)
- **Arc**: Colour switchable (3000K, 4000K & 5000K)
- **Halo**: Colour switchable (3000K, 4000K & 5700K)
- **H2 Pro Extreme**: Colour switchable (2200K, 2700K & 3000K)

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.



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 (Arc) (Arc Pro) (Hydra)

Holds light off during daylight hours

CCT switchable between 2700K & 3000K (default)

Wattage Switchable between 6,8,10,12, & 15W

Integral photocell as standard

Guarantee

5 years (product), 5 years (emergency)

Features & benefits

Custom Optical lens design providing excellent forward throw

0% ULOR (Upward Light Output Ratio) for avoid light pollution

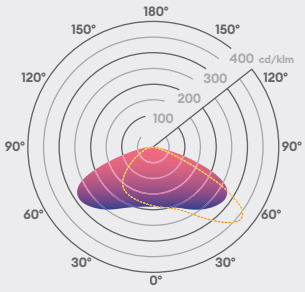
Suitable for coast - C5-M corrosion classification (ISO 9223 : 2012)

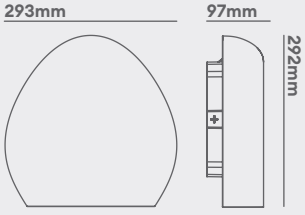
Designed to illuminate a pathway efficiently and safely, whilst preserving the habitat

Integral photocell to switch the light ON at dusk and OFF at dawn

Removeable backplate to aid fast installation

Beam angle: 140° x 70°





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 AC
LED lifetime	L70 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	Yes, Manual-Test

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 - 50°C
Mounting options	Wall
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠	lm	lm/W	Energy
ARPB1N	Standard	Matt Black RAL9005	6W	2700K	140° x 70°	850	142	
				3000K	140° x 70°	850	142	
			8W	2700K	140° x 70°	1100	138	
				3000K	140° x 70°	1100	138	
			10W	2700K	140° x 70°	1400	127	
				3000K	140° x 70°	1400	127	
			12W	2700K	140° x 70°	1650	138	
				3000K	140° x 70°	1650	138	
			15W	2700K	140° x 70°	2000	133	
				3000K	140° x 70°	2000	133	
ARPB1NE	Emergency	Matt Black RAL9005	6W	2700K	140° x 70°	850	142	
				3000K	140° x 70°	850	142	
			8W	2700K	140° x 70°	1100	138	
				3000K	140° x 70°	1100	138	
			10W	2700K	140° x 70°	1400	127	
				3000K	140° x 70°	1400	127	
			12W	2700K	140° x 70°	1650	138	
				3000K	140° x 70°	1650	138	
			15W	2700K	140° x 70°	2000	133	
				3000K	140° x 70°	2000	133	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	No flying leads are required; a loop-in, loop-out terminal is supplied.
Type of wiring required	Parallel

Arc

Wallpack suitable for 3m (10W) or 4m (17W) mounting height

CCT switchable between 3000K, 4000K & 5000K

Up to 165lm/W efficacy

Integral photocell as standard

Features

IK rating	IK10
IP rating	IP66
CSP switchable	Switchable CCT
Sensor option	PC Dusk to Dawn
Dimmable option	No
Input	220-240V AC
LED lifetime	L70 54,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	Yes, Manual-Test

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 - 50°C
Mounting options	Wall
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
ARA1N	Standard	Anthracite grey RAL7016	10W	3000K	98*114°	1550	155	
				4000K	98*114°	1650	165	
				5000K	98*114°	1600	160	
ARA1NE	Emergency	Anthracite grey RAL7016	10W	3000K	98*114°	1550	155	
				4000K	98*114°	1650	165	
				5000K	98*114°	1600	160	
ARA2N	Standard	Anthracite grey RAL7016	17W	3000K	98*114°	2600	153	
				4000K	98*114°	2750	162	
				5000K	98*114°	2700	159	
ARA2NE	Emergency	Anthracite grey RAL7016	17W	3000K	98*114°	2600	153	
				4000K	98*114°	2750	162	
				5000K	98*114°	2700	159	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	No flying leads are required; a loop-in, loop-out terminal is supplied.
Type of wiring required	Parallel

Accessories

AREMGKIT	Arc Emergency Spare Kit	Sold Separately

Guarantee

5 years (product), 5 years (emergency)

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

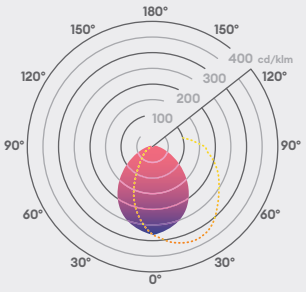
Integral photocell to switch the light ON at dusk and OFF at dawn

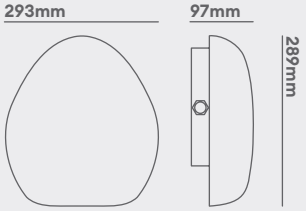
Slim 97mm profile integrates discreetly to the building architecture

Removeable backplate to aid fast installation

Part of the 'Collingwood in colour' collection anthracite family.

Beam angle: 98*114°





Halo Wall Light

12W Wall Light CSP Switchable

360° 360-degree lit effect

IK10 IK10 perfect for external use

CCT switchable between 3000K, 4000K & 5700K

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Sensor option	Microwave
Dimmable option	No
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes

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	WLHA1N: 0.890kg WLHA1NE: 1.020kg WLHA1M: 0.940kg WLHA1ME: 1.07kg
Maximum ambient temperature	-20°C - 45°C
Mounting options	Wall
Electric class (1, 2, 3)	2

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
WLHA1M	Microwave sensor	Anthracite grey RAL7016	12W	3000K	110°	1250	104	D
				4000K	110°	1300	108	
				5700K	110°	1350	113	
WLHA1ME	Emergency Microwave sensor	Anthracite grey RAL7016	12W	3000K	110°	1250	104	D
				4000K	110°	1300	108	
				5700K	110°	1350	113	
WLHA1N	Standard	Anthracite grey RAL7016	12W	3000K	110°	1250	104	D
				4000K	110°	1300	108	
				5700K	110°	1350	113	
WLHA1NE	Emergency	Anthracite grey RAL7016	12W	3000K	110°	1250	104	D
				4000K	110°	1300	108	
				5700K	110°	1350	113	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	2x 6242Y 1.5mm² Twin and Earth Cables or H05RN-F 3x 1.0mm²
Type of wiring required	Parallel

Accessories

WLHAEYE	Halo Wall Light CCT Anthracite Eyelid Accessory	Sold Separately

Guarantee

5 years (product), 5 years (emergency)

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

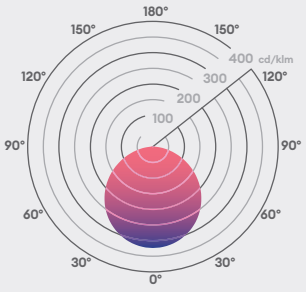
Set to 3000K as standard to minimise low blue light content and disruption to the nocturnal ecosystem

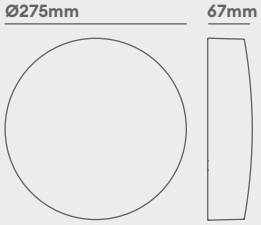
Option to have integral microwave sensor to automatically switch the light OFF during daylight and when there is no presence to save energy

Emergency product (only) features a simple push-button to make it easy to test the battery status

Suitable for use in a coastal application

Beam angle: 110°





H2 Pro Extreme CSP

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

IP65 from above and below for total protection

Suitable for use in coastal applications

New 2200K to minimise effects of blue light

Features

IP rating	IP65 (from below and above)
CSP switchable	Switchable CCT
Tiltable	No
UGR	22
Dimmable option	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 40,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM4
Emergency option	No

Installation information

Install connector type	Flying lead
Insulation coverable	No
Cut out size (mm)	65-75
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°C - 40°C
SELV	Yes
Building regulations	Part C, P & L
Ceiling joist approvals	No
Electric class (1, 2, 3)	2

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

Integrated corrosion protected bezel

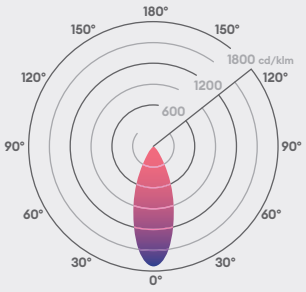
Pair with dusk to dawn sensor PCELL kit to bring on when dark and off when light

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠	lm	lm/W	Energy
H2EXT1A	Switchable CCT	Anthracite grey RAL7016	5W	2200K	40°	480	96	
				2700K	40°	570	114	
				3000K	40°	560	112	
H2EXT1B	Switchable CCT	Black	5W	2200K	40°	480	96	
				2700K	40°	570	114	
				3000K	40°	560	112	
H2EXT1W	Switchable CCT	White	5W	2200K	40°	480	96	
				2700K	40°	570	114	
				3000K	40°	560	112	

Energy rating is a reflection of the LED light source.

Beam angle: 40°

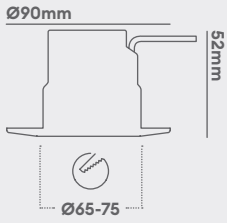


Wiring information

Cable / flying lead	0.37m H03VVH2-F 2x0.75mm²
Cable required for connector	N/A
Type of wiring required	Parallel

Accessories

DM298GRID	Grid Dimmer	Sold Separately	
DM298FP	Flatplate Dimmer	Sold Separately	
PCELLKIT	Wall Mounted Photocell Kit	Sold Separately	217



Choosing the ideal Hydra bollard

For your installation

Use the four easy steps below to select the perfect bollard for your installation.

1 Bollard heads

Standard - **HYB1CONEB**
Photocell - **HYB1CONEBPC**

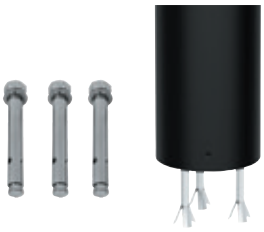
Standard - **HYB1CONES**
Photocell - **HYB1CONESPC**

Standard - **HYB1OPALW**
Photocell - **HYB1OPALWPC**

2 Bollard post & ground kit

HYBXBOLLARD*
Including post, base and ground fixing kit

3 Ground fixing options



HYBXBOLTKIT
Concrete

HYBXROOTKIT
Soft ground

4 180° Spill light kit

HYBXSPILLKIT
Transforms your 360° light into a 180° light output

- 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.

2200K

3000K

14W

19W

24W

Hydra & Cyclo bollard light distribution

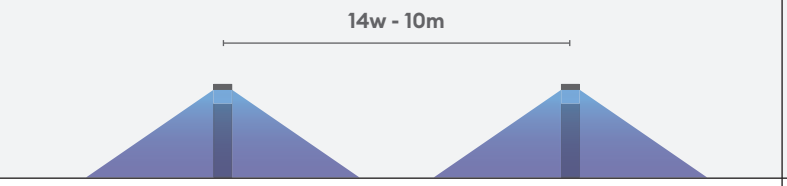
The two bollard families have a different distribution of light according to their different styles, and is also affected by the bollard height. See below for a handy overview of the spacing between the bollards in order to achieve a consistent light level of 20lux.

Hydra bollards

HYB1CONEB

Hydra black reflector 813mm high bollard with 360° illumination

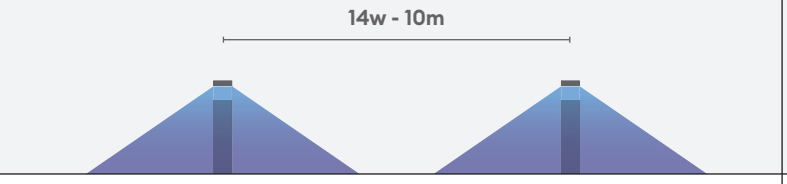
For a pathway consistently lit at 20 lux:
14w - 10m distance
19w - 12.5m distance
24w - 15m distance



HYB1CONES

Hydra Silver reflector 813mm high bollard with 360° illumination

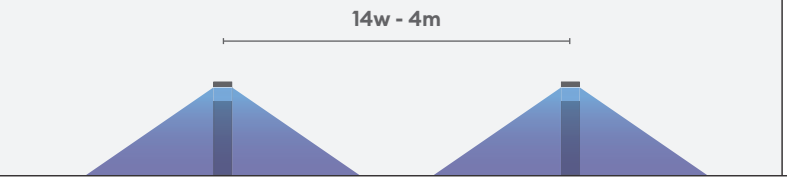
For a pathway consistently lit at 20 lux:
14w - 10m distance
19w - 12.5m distance
24w - 15m distance



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

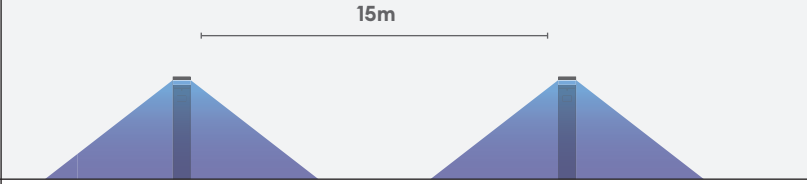


Cyclo bollards

OU391WW24

Cyclo 955mm high bollard with 360° illumination

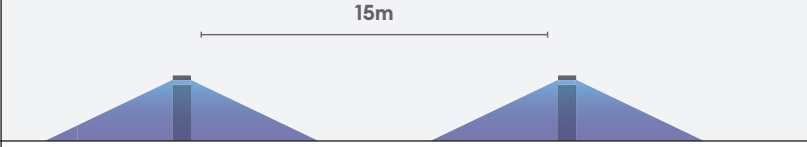
For a pathway consistently lit at 20 lux:
24w - 15m distance



OU516WW24

Cyclo 600mm high bollard with 360° illumination

For a pathway consistently lit at 20 lux:
24w - 15m distance



IK10 for a robust fitting

CCT Switchable between 2200K & 3000K

Wattage Switchable between 14W, 19W & 24W

Guarantee

5 years (product), 5 years (emergency)

Features & benefits

Interchangeable top head provides easy maintenance

Choice of cone or opal aesthetics & light distribution

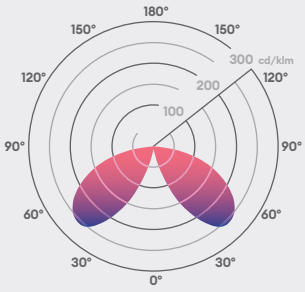
CCT switch set to 3000K as default

New 2200K to minimise effects of blue light

Must be sold with HYBXBOLLARD

Switch live out function with photocell not possible

Beam angle: 360°



Ø160mm

Hydra Bollard Black reflector

Interchangeable top head bollard

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes

Installation information

Inrush current	30A 0.15ms
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	2kg
Maximum ambient temperature	-40°C - 45°C
SELV	No
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
HYB1CONEB	Standard	Black - Black	14W	2200K	360°	1000	71	D
				3000K	360°	1150	82	
			19W	2200K	360°	1400	74	
				3000K	360°	1500	79	
			24W	2200K	360°	1700	71	
				3000K	360°	1800	75	
HYB1CONEBPC	Photocell	Black - Black	14W	2200K	360°	1000	71	D
				3000K	360°	1150	82	
			19W	2200K	360°	1400	74	
				3000K	360°	1500	79	
			24W	2200K	360°	1700	71	
				3000K	360°	1800	75	

Add EM to end of partcode for emergency version

Energy rating is a reflection of the LED light source.

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	249
HYBXROOTKIT	Hydra mounting kit for soft ground	Sold Separately	249
HYBXBOLTKIT	Hydra expansion bolt kit for concrete	Sold Separately	249

Hydra Bollard Silver reflector

Interchangeable top head bollard

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes

Installation information

Inrush current	30A 0.15ms
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	2kg
Maximum ambient temperature	-40°C - 45°C
SELV	No
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠°	lm	lm/W	Energy
HYB1CONES	Standard	Black - Silver	14W	2200K	360°	1300	93	
				3000K	360°	1500	107	
			19W	2200K	360°	1800	95	
				3000K	360°	1950	103	
			24W	2200K	360°	2250	94	
				3000K	360°	2400	100	
HYB1CONESPC	Photocell	Black - Silver	14W	2200K	360°	1300	93	
				3000K	360°	1500	107	
			19W	2200K	360°	1800	95	
				3000K	360°	1950	103	
			24W	2200K	360°	2250	94	
				3000K	360°	2400	100	

Add EM to end of partcode for emergency version

Energy rating is a reflection of the LED light source.

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	249
HYBXROOTKIT	Hydra mounting kit for soft ground	Sold Separately	249
HYBXBOLTKIT	Hydra expansion bolt kit for concrete	Sold Separately	249

IK10 **IK10 for a robust fitting**

CCT Switchable between 2200K & 3000K

W **Wattage Switchable between 14W, 19W & 24W**

Guarantee

5 years (product), 5 years (emergency)

Features & benefits

Interchangeable top head provides easy maintenance

Choice of cone or opal aesthetics & light distribution

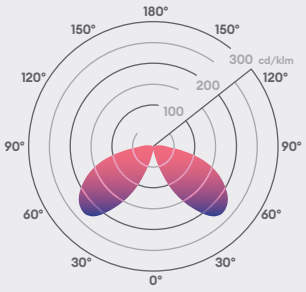
CCT switch set to 3000K as default

New 2200K to minimise effects of blue light

Must be sold with HYBXBOLLARD

Switch live out function with photocell not possible

Beam angle: 360°



Ø160mm

IK10 for a robust fitting

CCT Switchable between 2200K & 3000K

Wattage Switchable between 14W, 19W & 24W

Guarantee

5 years (product), 5 years (emergency)

Features & benefits

Interchangeable top head provides easy maintenance

Choice of cone or opal aesthetics & light distribution

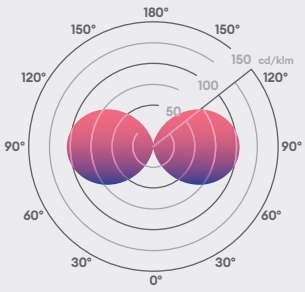
CCT switch set to 3000K as default

New 2200K to minimise effects of blue light

Must be sold with HYBXBOLLARD

Switch live out function with photocell not possible

Beam angle: 360°



Ø160mm

Hydra Bollard Opal white

Interchangeable top head bollard

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Switchable CCT
Input	220-240V AC
LED lifetime	L80 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6
Emergency option	Yes

Installation information

Inrush current	30A 0.15ms
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	2kg
Maximum ambient temperature	-40°C - 45°C
SELV	No
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Type	Finish	W	Colour	∠	lm	lm/W	Energy
HYB1OPALW	Standard	Black - White	14W	2200K	360°	1050	75	D
				3000K	360°	1200	86	
			19W	2200K	360°	1450	76	
				3000K	360°	1550	82	
			24W	2200K	360°	1750	73	
				3000K	360°	1900	79	
HYB1OPALWPC	Photocell	Black - White	14W	2200K	360°	1050	75	D
				3000K	360°	1200	86	
			19W	2200K	360°	1450	76	
				3000K	360°	1550	82	
			24W	2200K	360°	1750	73	
				3000K	360°	1900	79	

Add EM to end of partcode for emergency version

Energy rating is a reflection of the LED light source.

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	249
HYBXROOTKIT	Hydra mounting kit for soft ground	Sold Separately	249
HYBXBOLTKIT	Hydra expansion bolt kit for concrete	Sold Separately	249

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

	HYBXBOLLARD	HYBXBOLTKIT	HYBXROOTKIT	HYBXSPILLKIT
Accessory on it's own				
Accessory on product				

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 **collingwoodlighting.com**

Compatible with

	Hydra Black HYB1CONEB Page 246	Hydra Black - Photcell HYB1CONEBPC Page 246	Hydra Silver HYB1CONES Page 247	Hydra Silver - Photocell HYB1CONESPC Page 247	Hydra Opal white HYB1OPALW Page 248	Hydra Opal white Photcell HYB1OPALWPC Page 248
HYBXBOLLARD	●	●	●	●	●	●
HYBXBOLTKIT	●	●	●	●	●	●
HYBXROOTKIT	●	●	●	●	●	●
HYBXSPILLKIT	●	●	●	●	●	●

IK10 for protection against high impact

IP65 ideal for car parks and walk ways

PIR sensor included

Guarantee

5 years

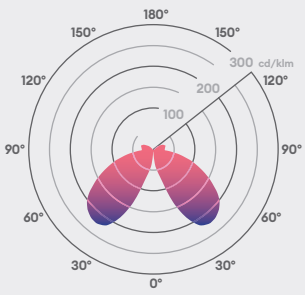
Features & benefits

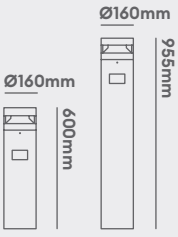
Low glare 360° illumination, ideal for pathways, boundary marking, or general illumination of exterior spaces

90° PIR sensor, detection area adjustable to 5m max

Anthracite RAL 7016

Beam angle: 360°





Cyclo Sensor

Round-terminal PIR bollard

Features

IK rating	IK10
IP rating	IP65
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM5

Installation information

Inrush current	15A @230VAC
Construction material	Cast Aluminium
Suitable for coastal areas	No
Weight	5.238kg
Maximum ambient temperature	40°C
SELV	No
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	Height	W	CCT	∠°	lm	lm/W	Energy
OU391WW24	Anthracite grey RAL7016	955mm	24W	3000K	180°	1660	69	
OU516WW24	Anthracite grey RAL7016	600mm	24W	3000K	180°	1660	69	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Cable
Type of wiring required	Parallel

Accessories

OU39224	180° Reflector	Sold Separately

Slim CSP Bollard

CCT Switchable IP65 Bollard

Features

IK rating	IK08
IP rating	IP65
CSP switchable	Switchable CCT
Input	220-240V AC
LED lifetime	L80 100,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6

Installation information

Inrush current	10A 0.4ms
Construction material	Aluminum
Suitable for coastal areas	Yes
Weight	1060g
Maximum ambient temperature	-15°C - 30°C
SELV	No
Electric class (1, 2, 3)	1
Earth leakage	0.032mA

Photometrics @ 25°C

Product code	Height	Finish	W	Colour	∠°	lm	lm/W	Energy
BLSAG3RDCS	300mm	Anthracite	14W	2700K	120°	720	56	
				3000K	120°	770	62	C
				4000K	120°	800	58	
BLSAG6RDCS	600mm	Anthracite	14W	2700K	120°	720	56	
				3000K	120°	770	62	C
				4000K	120°	800	58	
BLSBK3RDCS	300mm	Black	14W	2700K	120°	630	50	
				3000K	120°	660	53	C
				4000K	120°	680	50	
BLSBK6RDCS	600mm	Black	14W	2700K	120°	630	50	
				3000K	120°	660	53	C
				4000K	120°	680	50	
BLSCN3RDCS	300mm	Corten	14W	2700K	120°	760	57	
				3000K	120°	735	60	C
				4000K	120°	675	55	
BLSCN6RDCS	600mm	Corten	14W	2700K	120°	760	57	
				3000K	120°	735	60	C
				4000K	120°	675	55	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	H05RN-F 3G 1.0mm2
Cable required for connector	3x 0.75 - 2.5mm²
Type of wiring required	Parallel

Accessories

SBEBX4	Root mount Kit, J-Bolts X4	Sold Separately

Switchable between 2700K, 3000K and 4000K

360° even light distribution

IP65 ideal for car parks and walk ways

Guarantee

5 year warranty

Features & benefits

Choice of colours Black, Anthracite and Corten

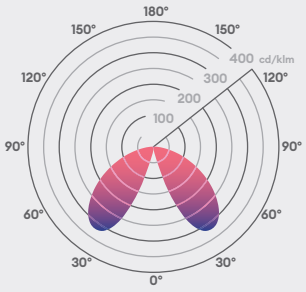
Available in 300mm and 600mm sizes

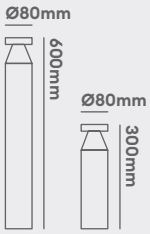
Cable entry through base and expansion bolt installation kit included

IP68 inline connector included

Anthracite RAL 7016, Black RAL 9005

Beam angle: 120°





Switchable betweeen 2200K and 3000K

360° even light distribution

IP66 ideal for outdoor areas

Guarantee

5 years

Features & benefits

Installation spike included with product

Water ingress protection device included in cable

Can be dimmable based on driver used

A full range of aesthetical and installation accessories available

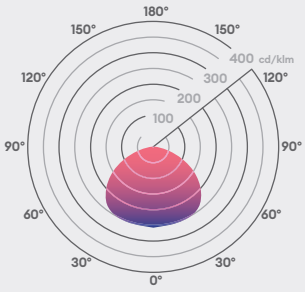
DC in Product Code = Domed Cover

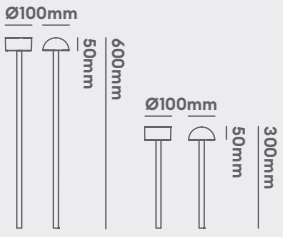
FC in Product Code = Flat Cover

Product is delivered with Cover and Installation Spike as standard

Grey RAL 7016, Black RAL 9005

Beam angle: 120°





Spydra CSP 300mm Grey

CCT colour switchable LED low voltage spike light

Features

IP rating	IP66
CSP switchable	Switchable CCT
Tiltable	No
Input	8-11V DC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	300mm: 430g
Maximum ambient temperature	-20°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠	lm	lm/W	Energy
SPYA3DCS	Domed Grey	Grey	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	
SPYA3FCS	Flat Grey	Grey	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	

Energy rating is a reflection of the LED light source.

Wiring information

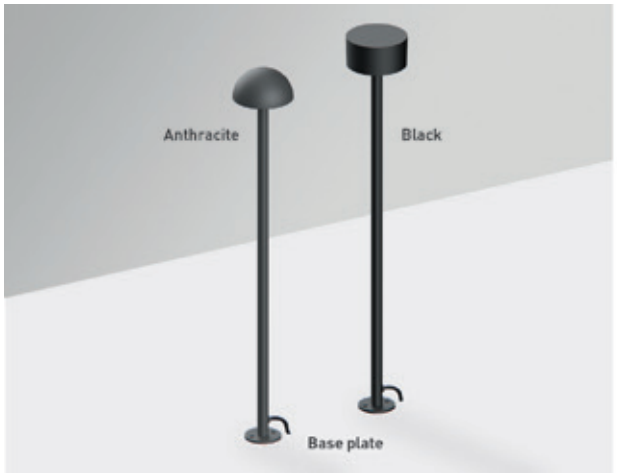
Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-4
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	1-2
PSIP70018W	220-240V	Yes	No	1	1-2

Accessories

SPYBASEA	Spydra Base Plate for surface mounting, Grey	Sold Separately
SPYBASEB	Spydra Base Plate for surface mounting, Black	Sold Separately
SPYDCOVA	Spydra Domed Cover Round, Grey	Sold Separately
SPYDCOVB	Spydra Domed Cover Round, Black	Sold Separately
SPYFCOVA	Spydra Flat Cover, Grey	Sold Separately
SPYFCOVB	Spydra Flat Cover, Black	Sold Separately



Spydra CSP 600mm Grey

CCT colour switchable LED low voltage spike light

Switchable betweeen 2200K and 3000K

360° even light distribution

IP66 ideal for outdoor areas

Features

IP rating	IP66
CSP switchable	Switchable CCT
Tiltable	No
Input	8-11V DC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	600mm: 510g
Maximum ambient temperature	-20°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

Guarantee

5 years

Features & benefits

Installation spike included with product

Water ingress protection device included in cable

Can be dimmable based on driver used

A full range of aesthetical and installation accessories available

DC in Product Code = Domed Cover

FC in Product Code = Flat Cover

Product is delivered with Cover and Installation Spike as standard

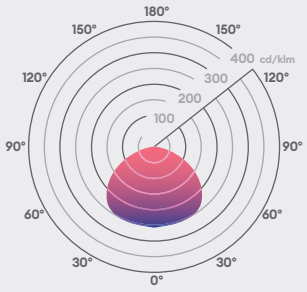
Grey RAL 7016, Black RAL 9005

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠°	lm	lm/W	Energy
SPYA6DCS	Domed Grey	Grey	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	
SPYA6FCS	Flat Grey	Grey	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	

Energy rating is a reflection of the LED light source.

Beam angle: 120°

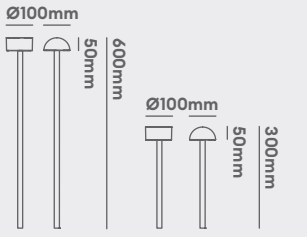


Wiring information

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
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-4
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	1-2
PSIP70018W	220-240V	Yes	No	1	1-2



Accessories

SPYBASEA	Spydra Base Plate for surface mounting, Grey	Sold Separately
SPYBASEB	Spydra Base Plate for surface mounting, Black	Sold Separately
SPYDCOVA	Spydra Domed Cover Round, Grey	Sold Separately
SPYDCOVB	Spydra Domed Cover Round, Black	Sold Separately
SPYFCOVA	Spydra Flat Cover, Grey	Sold Separately
SPYFCOVB	Spydra Flat Cover, Black	Sold Separately

Switchable betweeen 2200K and 3000K

360° even light distribution

IP66 ideal for outdoor areas

Guarantee

5 years

Features & benefits

Installation spike included with product

Water ingress protection device included in cable

Can be dimmable based on driver used

A full range of aesthetical and installation accessories available

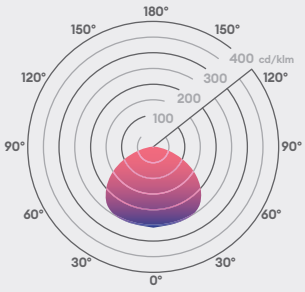
DC in Product Code = Domed Cover

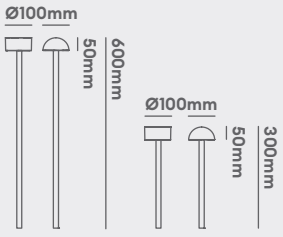
FC in Product Code = Flat Cover

Product is delivered with Cover and Installation Spike as standard

Grey RAL 7016, Black RAL 9005

Beam angle: 120°





Spydra CSP 300mm Black

CCT colour switchable LED low voltage spike light

Features

IP rating	IP66
CSP switchable	Switchable CCT
Tiltable	No
Input	8-11V DC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	300mm: 430g
Maximum ambient temperature	-20°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠°	lm	lm/W	Energy
SPYB3DCS	Domed Black	Black	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	
SPYB3FCS	Flat Black	Black	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	

Energy rating is a reflection of the LED light source.

Wiring information

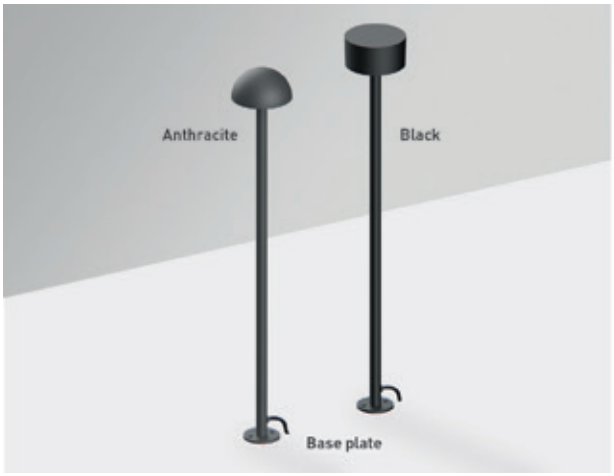
Cable / flying lead	3m H05RN-F rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

Recommended LED drivers

Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-4
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	1-2
PSIP70018W	220-240V	Yes	No	1	1-2

Accessories

SPYBASEA	Spydra Base Plate for surface mounting, Grey	Sold Separately
SPYBASEB	Spydra Base Plate for surface mounting, Black	Sold Separately
SPYDCOVA	Spydra Domed Cover Round, Grey	Sold Separately
SPYDCOVB	Spydra Domed Cover Round, Black	Sold Separately
SPYFCOVA	Spydra Flat Cover, Grey	Sold Separately
SPYFCOVB	Spydra Flat Cover, Black	Sold Separately



Spydra CSP 600mm Black

CCT colour switchable LED low voltage spike light

Switchable betweeen 2200K and 3000K

360° even light distribution

IP66 ideal for outdoor areas

Features

IP rating	IP66
CSP switchable	Switchable CCT
Tiltable	No
Input	8-11V DC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	Yes
Weight	600mm: 510g
Maximum ambient temperature	-20°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

Guarantee

5 years

Features & benefits

Installation spike included with product

Water ingress protection device included in cable

Can be dimmable based on driver used

A full range of aesthetical and installation accessories available

DC in Product Code = Domed Cover

FC in Product Code = Flat Cover

Product is delivered with Cover and Installation Spike as standard

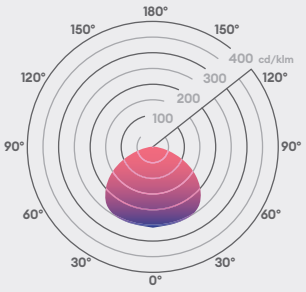
Grey RAL 7016, Black RAL 9005

Photometrics @ 25°C

Product code	Feature	Finish	W	CCT	∠°	lm	lm/W	Energy
SPYB6DCS	Domed Black	Black	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	
SPYB6FCS	Flat Black	Black	3W	2200K	120°	240	60	
				3000K	120°	310	77	
			6.5W	2200K	120°	450	56	
				3000K	120°	580	73	

Energy rating is a reflection of the LED light source.

Beam angle: 120°

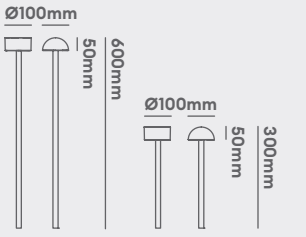


Wiring information

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
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-4
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	1-2
PSIP70018W	220-240V	Yes	No	1	1-2



Accessories

SPYBASEA	Spydra Base Plate for surface mounting, Grey	Sold Separately
SPYBASEB	Spydra Base Plate for surface mounting, Black	Sold Separately
SPYDCOVA	Spydra Domed Cover Round, Grey	Sold Separately
SPYDCOVB	Spydra Domed Cover Round, Black	Sold Separately
SPYFCOVA	Spydra Flat Cover, Grey	Sold Separately
SPYFCOVB	Spydra Flat Cover, Black	Sold Separately

7W 7W

IP54 IP54 ideal for walk ways and step lighting

>80Ra CRI 80 providing true colour appearance

Guarantee

3 years

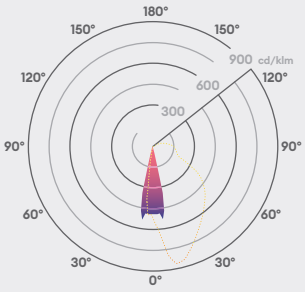
Features & benefits

IK06 for robust impact protection

Great for soft illumination onto stone paths

Anthracite RAL 7016

Beam angle: 30°



Ø90mm

LUXI 650

Straight to mains bollard

Features

IK rating	IK06
IP rating	IP54
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6

Installation information

Inrush current	N/A
Construction material	Cast Aluminium
Suitable for coastal areas	No
Weight	2.000
Maximum ambient temperature	-20°C - 40°C
SELV	No
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
OU13824	Anthracite grey RAL7016	7W	3000K	30°	660	68	F

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	cable diameter for connection 12mm
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

LUXI 54

Rectangular terminal bollard

Features

IK rating	IK08
IP rating	IP54
CSP switchable	Single CCT
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM6

Installation information

Inrush current	N/A
Construction material	Aluminium
Suitable for coastal areas	No
Weight	2.130
Maximum ambient temperature	-20°C - 40°C
SELV	No
Electric class (1, 2, 3)	1

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
OU13624	Anthracite grey RAL7016	7W	3000K	90°	750	75	F

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	cable diameter for connection 12mm
Type of wiring required	Parallel

Accessories

N/A (No Accessories required)

7W 7W

IP54 IP54 ideal for walk ways and step lighting

>80Ra CRI 80 providing true colour appearance

Guarantee

3 years

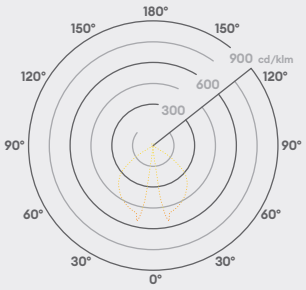
Features & benefits

IK08 for robust impact protection

Great for soft illumination onto stone paths

Anthracite RAL 7016

Beam angle: 90°



Commercial Landscape

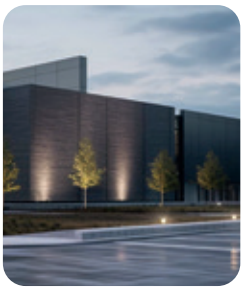
Commercial landscape

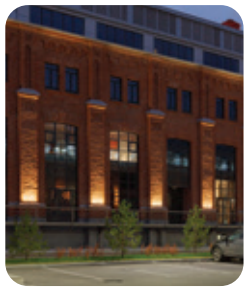
Adding light to exterior spaces

Our range of commercial landscape products are suitable for many applications such as the exteriors of office buildings, ponds and stairways.

Complete landscape solution

Our range of landscape exterior lights designed to work perfectly together.





Tilt
Building / Landscape light

Fountain
Pond light

UL010 - UL030
Pond / Feature light

Volta
Uplights

WL342
Step light

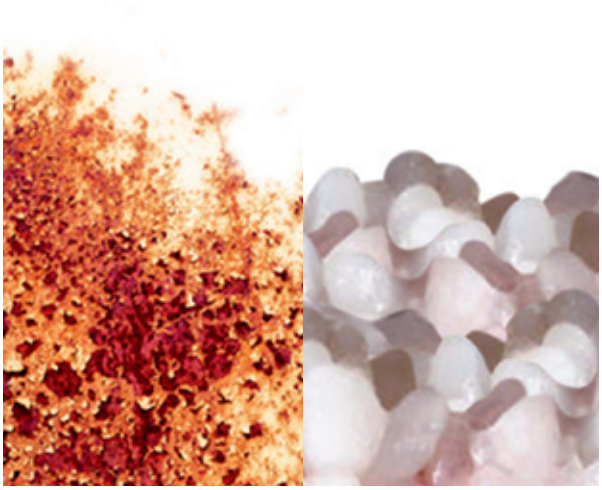
Coastal protection

Rust & salt mist protection

With corrosion resistant protection, our landscape products 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 landscape products are either IK04, 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 IP68 rated allows the product to be used in a wide range of applications.

IK10 IP68

5 or 7 year warranty

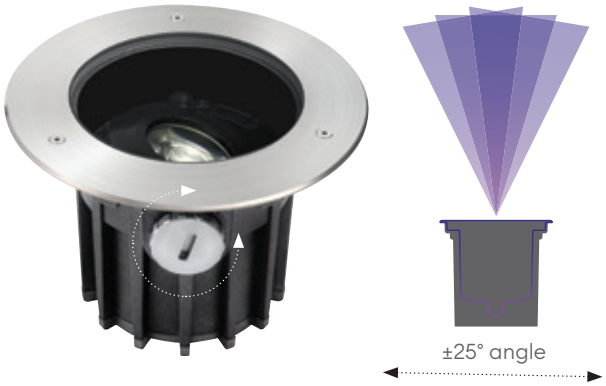
Offering a five or seven year warranty, on all our commercial landscape range, so you can be assured of our commitment to quality.

Landscape lighting

Ideal for building exteriors and landscape features.

Tilt ground light adjustable light module

Our Tilt ground light has the flexibility to turn the dial to adjust beam angle direction by ±25°



Tilt ground light is available in TRIAC, DALI-2 or RGBW options

TRIAC DALI-2

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.

24V

With a one and half inch BSP thread, allows the installer to custom create applications.

Create 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

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

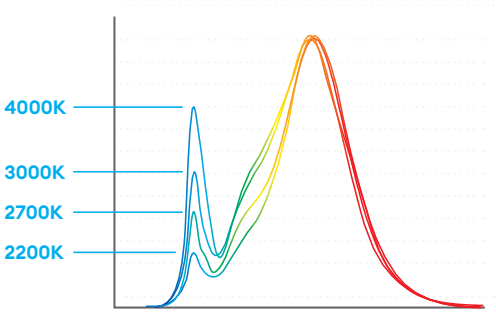
Choose the asymmetric 25x35° beam for a more directed beam of light, perfect for walls and entrances.

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.



IP67 for complete protection against ingress of dust & water

IK10 IK08 (GLTM_11/14) IK10 (GLTM_16/19/22)

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

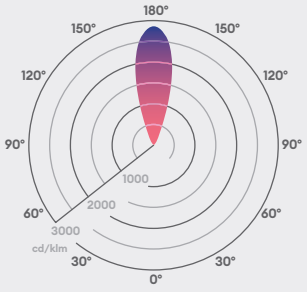
Static loading capacity is 2000kg

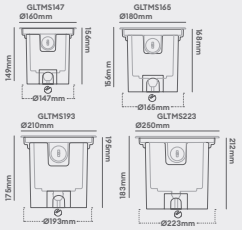
Pre-wired with 1 meter of cable to aid the installer

TRIAC mains dimmable and RGBW options also available

Supplied with installation tube

Beam angle: 34°





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 AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	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 - 40°C
SELV	Yes
Electric class (1, 2, 3)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
GLTMS147D30	Stainless steel 316	10W	3000K	34°	1000	100	E
GLTMS165D30	Stainless steel 316	18W	3000K	34°	1600	89	E
GLTMS193D30	Stainless steel 316	23W	3000K	34°	2300	100	E
GLTMS223D30	Stainless steel 316	28W	3000K	34°	3300	100	E

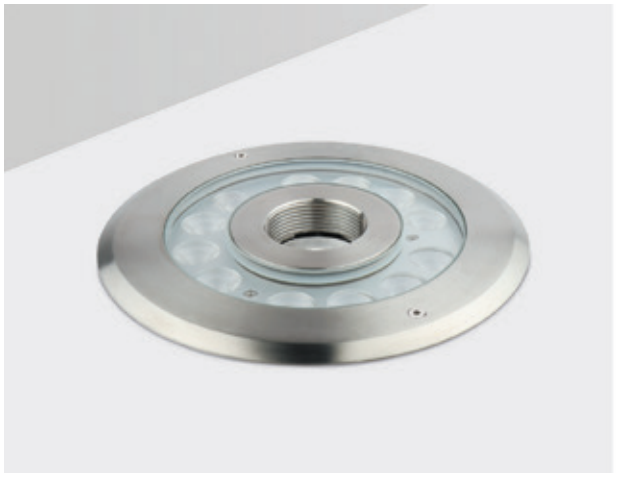
Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Pre-wired with 1.0M, 5 x 1.0mm2
Type of wiring required	Parallel

Accessories

JB3 or JB7	Junction Connerctor	Sold Separately	306



Fountain

Water feature light

Features

IK rating	IK08
IP rating	IP68
CSP switchable	Single CCT
Walk over / Drive over	Walk over (Stainless Steel Only)
Input	24V DC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	167
Bathroom zone	0, 1 (with dimming)
Construction material	316 Stainless Steel
Suitable for coastal areas	Yes
Weight	2.58kg
Maximum ambient temperature	-25°C - 40°C
SELV	Yes
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
FOUX167N30	Stainless steel 316	25W	3000K	35°	1700	68	

Energy rating is a reflection of the LED light source.

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
PSIP15024	220-240V	Yes	Yes (with PDCINT 1-10V)	N/A	1-6
LSD12024	220-240V	Yes	No	Outside zones	1 to 4
PSIP25024	220-240V	Yes	No	0	1-10

Accessories

JB5	Gel filled waterproof connector	Sold Separately	**306**

IP68 **IP68 suitable for full submersion into water**

IK08 **IK08 for protection against high impact**

Suitable for coastal C5 and high acid and alkali environment

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

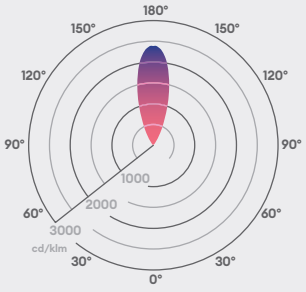
Pre-wired with 5 metres of cable to aid the installer

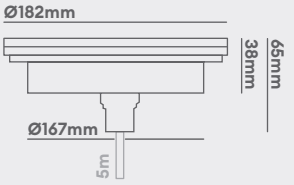
To be installed under water to prevent over-heating

1 1/2" BSP thread enables installation onto fabricated pipework

RGBW version available

Beam angle: 35°





21W

IP65 ideal for outdoor environments

Suitable for use in coastal applications

Guarantee

7 years

Features & benefits

Plug and play through-wire install method

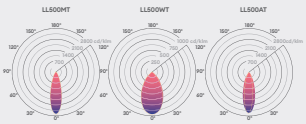
Supplied with waterproof connectors for fast install

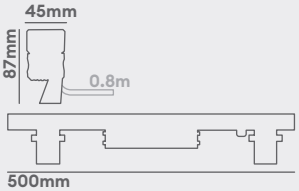
3000K and 2700K range with choice of 2000 or 4200 lumen output

Narrow beam 30°, Wide beam 60° or Asymmetrical 20x35°

Also available in 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 AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

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)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
LL500AT27	Silver	21W	2700K	20x35°	2000	95	
LL500AT30	Silver	21W	3000K	20x35°	2000	95	
LL500MT27	Silver	21W	2700K	30°	2000	95	
LL500MT30	Silver	21W	3000K	30°	2000	95	
LL500WT27	Silver	21W	2700K	60°	2000	95	
LL500WT30	Silver	21W	3000K	60°	2000	95	

Energy rating is a reflection of the LED light source.

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)

Volta 1000mm

Wall washing light bar

Features

IK rating	IK04
IP rating	IP65
CSP switchable	Single CCT
Tiltable	180°
Dimmable	Yes (Mains)
Input	220-240V AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

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)	1
Earth leakage	0.1mA

Photometrics @ 25°C

Product code	Finish	W	CCT	∠	lm	lm/W	Energy
LL1000AT27	Silver	40W	2700K	20x35°	4200	105	D
LL1000AT30	Silver	40W	3000K	20x35°	4200	105	D
LL1000MT27	Silver	40W	2700K	30°	4200	105	D
LL1000MT30	Silver	40W	3000K	30°	4200	105	D
LL1000WT27	Silver	40W	2700K	60°	4200	105	D
LL1000WT30	Silver	40W	3000K	60°	4200	105	D

Energy rating is a reflection of the LED light source.

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)

40W 40W

IP65 IP65 ideal for outdoor environments

Suitable for use in coastal applications

Guarantee

7 years

Features & benefits

Plug and play through-wire install method

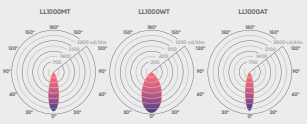
Supplied with waterproof connectors for fast install

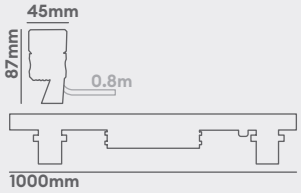
3000K and 2700K range with choice of 2000 or 4200 lumen output

Narrow beam 30°, Wide beam 60° or Asymmetrical 20x35°

Also available in 500mm

Beam angle: 30°, 60°, 20x35°





Switchable driver option for quick and easy installion

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

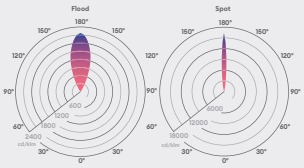
Complete with wall fixings

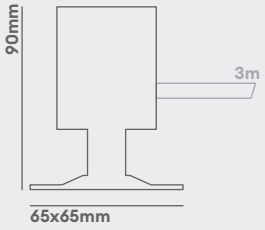
Tilt & rotate for adjusting light

Available in an array of colours

Long lifetime of 70,000hrs

Beam angle: 40° 12°





UL030

High output universal LED light

Features

IP rating	IP68
CSP switchable	Single CCT
Tiltable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Inrush current	N/A
Construction material	Stainless Steel 316
Suitable for coastal areas	Yes
Weight	UL030AB: 680g, UL030BK: 680g, UL030SS: 645g, UL030BZ: TBC
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Photometrics @ 25°C

				150mA			700mA			
Product code	**Finish**	**CCT**	∠°	**W**	**lm**	**lm/W**	**W**	**lm**	**lm/W**	**Energy**
UL030SS22XF	Stainless steel	2200K	40°	0.85W	108	135	4.6W	431	94	
UL030SS22XS	Stainless steel	2200K	12°	0.85W	108	135	4.6W	431	94	
UL030SS27XF	Stainless steel	2700K	40°	0.85W	129	161	4.6W	515	112	
UL030SS27XS	Stainless steel	2700K	12°	0.85W	129	161	4.6W	515	112	
UL030SS30XF	Stainless steel	3000K	40°	0.85W	130	163	4.6W	520	113	
UL030SS30XS	Stainless steel	3000K	12°	0.85W	130	163	4.6W	520	113	
UL030SS40XF	Stainless steel	4000K	40°	0.85W	134	168	4.6W	538	117	
UL030SS40XS	Stainless steel	4000K	12°	0.85W	134	168	4.6W	538	117	

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important:** BZ finish is made to order. Energy rating is a reflection of the LED light source.

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
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-6
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	2-6
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	2-4

Accessories

JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	Sold Separately	306
WCR 275 BLACK	2-core rubber cable	Sold Separately	307

UL010

Universal LED light

Switchable driver option for quick and easy installion

Coastal Protected

IP68 ideal for outdoor areas and under water lighting

Features

IP rating	IP68
CSP switchable	Single CCT
Tiltable	360°
Rotatable	360°
Dimmable	Driver dependent
Input	150mA / 250mA / 350mA / 500mA / 700mA
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Inrush current	N/A
Construction material	Stainless Steel 316
Suitable for coastal areas	Yes
Weight	UL010A: 512g, UL010BK: 512g, UL010SS: 500g, UL010BZ: TBC
Maximum ambient temperature	55°C
SELV	N/A
Electric class (1, 2, 3)	3
Earth leakage	N/A

Guarantee

7 years

Features & benefits

Complete with wall fixings

Robust cable for use outdoors

Tilt & rotate for adjusting light

Available in an array of colours

Long lifetime of 70,000hrs

Photometrics @ 25°C

				150mA			700mA			
Product code	**Finish**	**CCT**	∠	**W**	**lm**	**lm/W**	**W**	**lm**	**lm/W**	**Energy**
UL010SS22XF	Stainless steel	2200K	40°	0.4W	51	120	2.2W	196	89	D
UL010SS27XF	Stainless steel	2700K	40°	0.4W	51	120	2.2W	196	89	D
UL010SS30XF	Stainless steel	3000K	40°	0.4W	54	129	2.2W	210	95	D
UL010SS40XF	Stainless steel	4000K	40°	0.4W	60	143	2.2W	234	106	D

In the part code to replace your colour, change SS to AB (Antique Brass), BK (Black) or BZ (Bronze). **Important**: BZ finish is made to order. Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	3m (H05RN-F) rubberised cable (outside diameter: 6mm)
Type of wiring required	Series

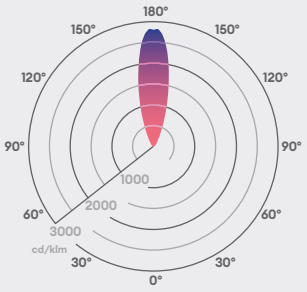
Recommended LED drivers

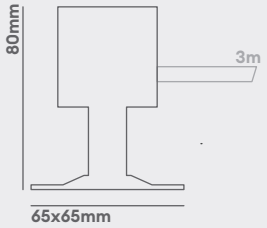
Product code	Input	SELV	Dimming	Bathroom zone	Products per driver
DRV150700 (all settings)	220-240V	Yes	No	N/A	1-13
DRV350700TD (350 & 500mA)	220-240V	Yes	Yes	N/A	3-12
DRV350700TD (700mA)	220-240V	Yes	Yes	N/A	3-8

Accessories

JB2 / JB4	Waterproof junction box / Gel filled waterproof connector	Sold Separately	306
WCR 275 BLACK	2-core rubber cable	Sold Separately	307

Beam angle: 40°





2.6W

Coastal protected

Main voltage step light

Guarantee

7 years

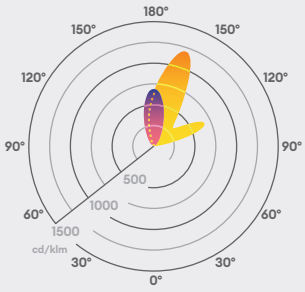
Features & benefits

Recessed, asymmetric wall or ground light perfect for illuminating walls, steps and pathways

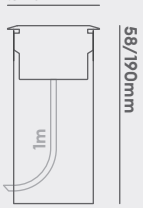
Available in rustic cast stainless steel and sleek brushed stainless steel finishes

Installation tube included

Plane: 50° C0/C180 50° C90/C270



Ø98mm



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 (Stainless Steel Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	80
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	CCT	∠°	lm	lm/W	Energy
WL339WW	Stainless steel	2.6W	3000K	50°	50	19	E

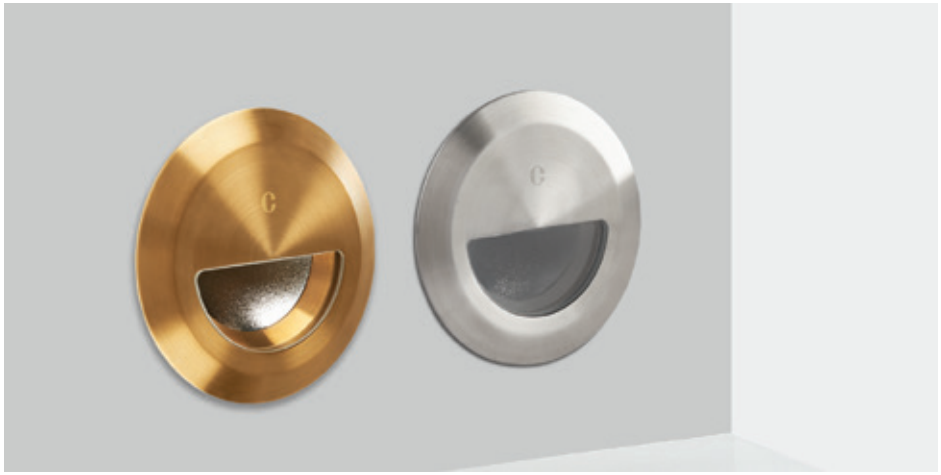
Energy rating is a reflection of the LED light source.

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	
JB5	Gel filled waterproof connector	Sold Separately	306
WC 5-9	Quick release waterproof joint	Sold Separately	306



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 (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	80
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	CCT	∠	lm	lm/W	Energy
WL340AB27	Antique brass	2.6W	2700K	50°	49	19	G
WL340ABWW	Antique brass	2.6W	3000K	50°	50	19	F
WL340WW	Stainless steel	2.6W	3000K	50°	50	19	F

Energy rating is a reflection of the LED light source.

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	
JB5	Gel filled waterproof connector	Sold Separately	306
WC 5-9	Quick waterproof connector	Sold Separately	306

2.6W 2.6W

Coastal protected

AC Main voltage step light

Guarantee

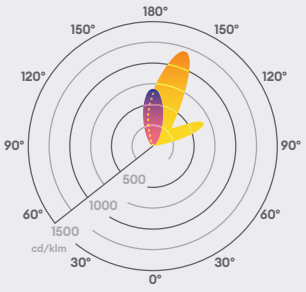
7 years

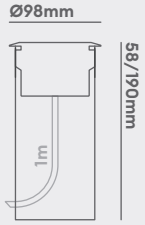
Features & benefits

Installation tube included

Ideal for illuminating walls, steps and pathways

Plane: 50° C0/C180 50° C90/C270





2.6W

Coastal protected

Main voltage step light

Guarantee

7 years

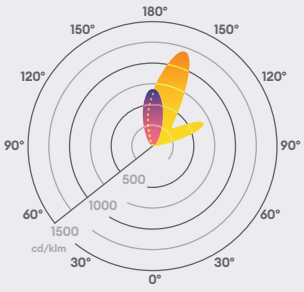
Features & benefits

Can be used as a wall light or ground light

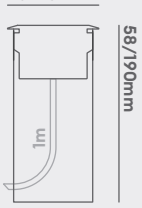
Installation tube included

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 (Stainless Steel Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	80
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	CCT	∠°	lm	lm/W	Energy
WL341WW	Stainless steel	2.6W	3000K	50°	50	19	F

Energy rating is a reflection of the LED light source.

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	
JB5	Gel filled waterproof connector	Sold Separately	306
WC 5-9	Quick release waterproof joint	Sold Separately	306

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 (Stainless Steel & Antique Brass Only)
Input	220-240V AC
LED lifetime	L70 70,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	80
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	CCT	∠°	lm	lm/W	Energy
WL342AB27	Antique brass	2.6W	2700K	50°	49	19	G
WL342AB30	Antique brass	2.6W	3000K	50°	50	19	F
WL342WW	Stainless steel	2.6W	3000K	50°	50	19	F

Energy rating is a reflection of the LED light source.

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	
JB5	Gel filled waterproof connector	Sold Separately	306
WC 5-9	Quick release waterproof joint	Sold Separately	306

2.6W 2.6W

Coastal protected

AC Main voltage step light

Guarantee

7 years

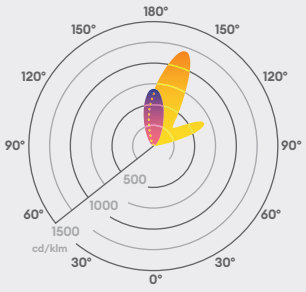
Features & benefits

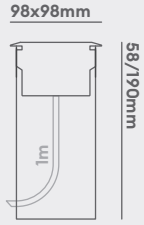
Can be used as a wall light or ground light

Installation tube included

1m H05RN-F rubber cable attached for permanent use outdoors

Plane: 50° C0/C180 50° C90/C270





Colour Change

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 use 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.

1 Choose your product

Constant current products

Constant voltage product

2 Choose control method and driver

Constant current 75W drivers

75W RF, DMX and DALI drivers
See page 278

Constant voltage 24V 100W drivers

100W RF, DMX and DALI drivers
See page 278

Constant Voltage 24V 200W drivers

200W RF, DMX and DALI drivers
See page 278

3 Choose your controller (RF only)

Wall mounted

CCWALLRFW / CCWALLRFB

Zones 1 - 4

Page 276

Hand held

CCREMOTEB

Zones 1 - 4

Page 276

Phone App

CollingwoodRGBW App

Zones 1 - 8

Page 277

CCRFCONVWIFI

Page 277

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

Zone 1

Living room

Zone 2

Kitchen

Zone 3

Bedroom 1

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.

Wall mounted remote control - CCWALLRFW / CCWALLRFB - **1-4 zones**

Hand held remote control - CCREMOTEB - **1-4 zones**

CollingwoodRGBW app - with CCRFCONVWIFI - **1-8 zones**

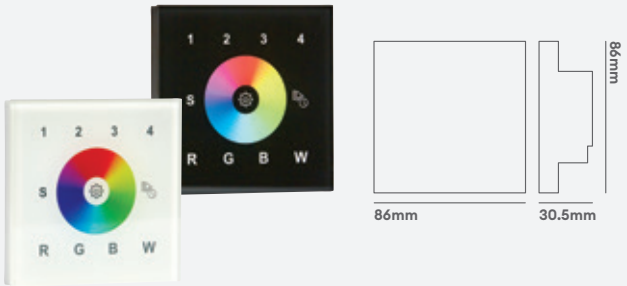
Zone 1 / 1 Room	Zone 2 / 2 Rooms	Zone 3 / 3 Rooms	Zone 4 / 4 Rooms

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.

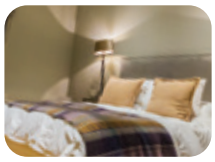


CCREMOTEB

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	Garden	Dining room	Stairs / Hallway
			
Zone 5	Zone 6	Zone 7	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

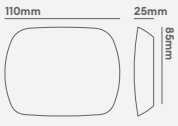
Control RGB & RGBW products with a smart device for up to 8 zones. By simply touching the screen, select solid colours, start a cycle or control lights via a sound to light option. The app can be downloaded for free on Android and iOS.

Note: Use in conjunction with CCRFCONVWIFI

CCRFCONVWIFI

WiFi to RF converter

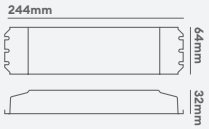
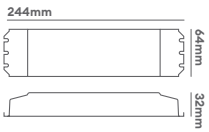
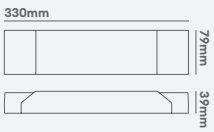
Controlling RGB & RGBW products with a phone, computer or tablet could not be easier with the CCRFCONVWIFI. Simply add this unit into your Collingwood Lighting colour change installation and select millions of colours in comfort.
Using the CollingwoodRGBW app simply connect directly to the CCRFCONVWIFI 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	
100W Driver For LED Strip only	CCDRV100RF	CCDRV100DMX	CCDRV100DALI	
200W Driver For LED Strip only	CCDRV200RF	CCDRV200DMX	CCDRV200DALI	

If you want to colour cycle across mutiple zone we recommend using power repeaters or for larger projects use 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

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
GL016RGBW	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	Pond Light	13	350mA
UL030RGBW	Pond Light	4	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?

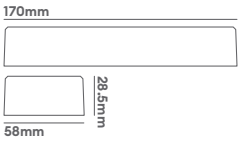
Only required for RF colour cycling

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

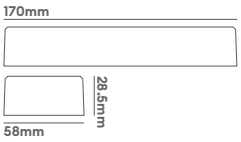
NOTE: Tilt and Fountain lights are not suitable with PR3011

Product code	Product family	Max. per PR3011
GL016RGBW	Ground Light	6
GL090RGBW	Ground Light	2
UL010RGBW	Pond Light	6
UL030RGBW	Pond Light	2
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	60W	LSD6024
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	60W	LSD6024
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

x1 LSD12024

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 0.75mm²
Guarantee	1 year extended warranty

Use in conjunction with:

All RGBW products	
JB7	306

CF505RGBW

5-core RGBW ribbon cable

Product code	CF505RGBW
Construction material	Copper cable
Cable	(AWG 24) (5 x 0.25mm²)
Guarantee	1 year extended warranty

Use in conjunction with:

PR3011	280
PR3002	280

LEDRGBWEXT

Colour change extension lead for RGBW products

Product code	LEDRGBWEXT
Construction material	Copper cable (PVC)
Cable	1m (AWG 24) (5 x 0.25mm²)
Series	Series (Plug & Play)
Guarantee	1 year extended warranty

Use in conjunction with:

WL070RGBW	290

Colour Change

RGBW

Coastal protected

IK08 suitable for pathways

Guarantee

5 years

Features & benefits

Installation tube available

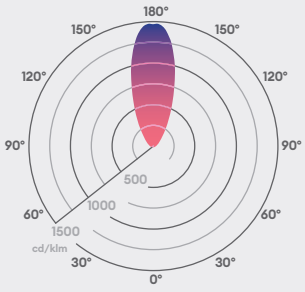
Low profile for easy installation

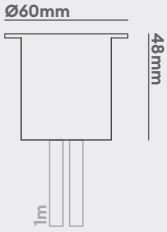
Separate white LED for permanent use

Compatible with a large range of controllers

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 (Stainless Steel Only)
Input	350mA
LED lifetime	L50 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	50
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	CCT	∠°	lm	lm/W	Energy
GL016RGBW	Stainless steel	1.2W	White (4000K)	40°	50	42	
		1W	Red	40°	38	38	
		1.2W	Green	40°	63	53	
		1.2W	Blue	40°	11	9	

Energy rating is a reflection of the LED light source.

Wiring information

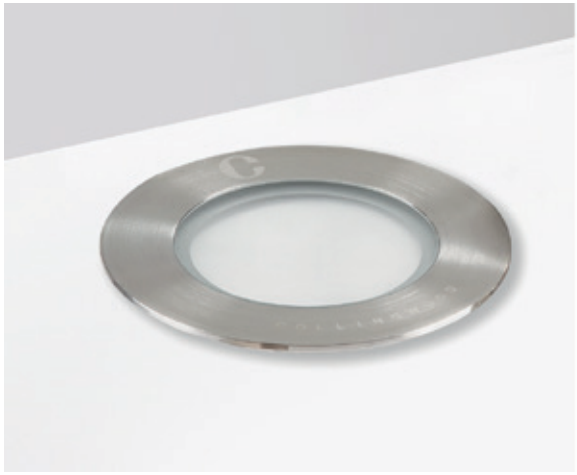
Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

Control & LED drivers

See pages 276-279 for complete control and LED driver offer

Accessories

JB7	5-pole IP68 inline connector	Sold Separately	306
CR575RGBW	5-core PVC cable	Sold Separately	281
TUBE/50	Installation tube	Sold Separately	
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	276



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 (Stainless Steel Only)
Input	350mA
LED lifetime	L50 50,000h
Colour rendering Index	CRI>80

Installation information

Cut out size (mm)	70
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	CCT	∠°	lm	lm/W	Energy
GL090RGBW	Stainless steel	3W	White (4000K)	45°	177	59	
		2W	Red	45°	106	53	
		3W	Green	45°	185	62	
		3W	Blue	45°	43	14	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

Control & LED drivers

See pages 276-279 for complete control and LED driver offer

Accessories

JB7	5-pole IP68 inline connector	Sold Separately	306
CR575RGBW	5-core PVC cable	Sold Separately	281
TUBE/68	Installation tube	Sold Separately	
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	276

Colour Change

RGBW

Coastal protected

IK08 suitable for pathways

Guarantee

5 years

Features & benefits

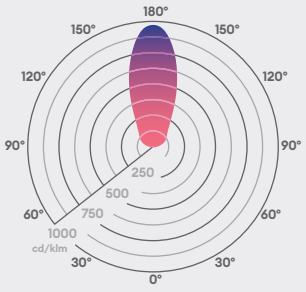
High output colour change for large areas

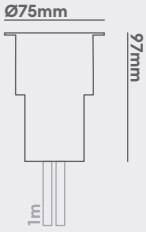
Marine grade stainless steel for use in outdoor and indoor environments

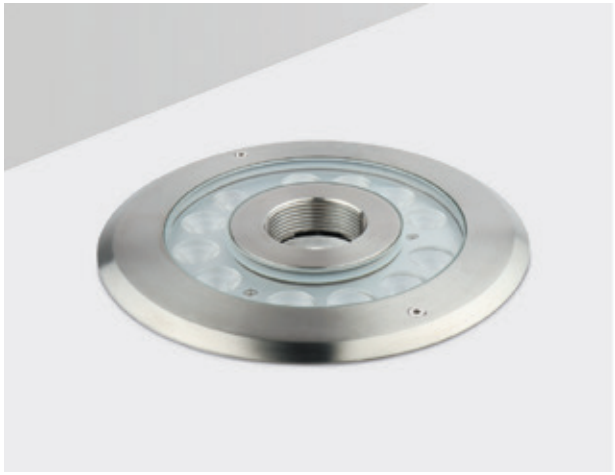
Separate white LED for permanent use

Compatible with a large range of controllers

Beam angle: 45°







Fountain RGBW

Water feature light

Features

IK rating	IK08
IP rating	IP68
RGB / RGBW	RGBW
Walk over / Drive over	Walk over (Stainless Steel Only)
Input	600mA
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	167
Bathroom zone	0, 1 (with dimming)
Construction material	316 Stainless Steel
Suitable for coastal areas	Yes
Weight	2.58kg
Maximum ambient temperature	-25°C - 40°C
SELV	Yes
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	W	CCT	∠°	lm	lm/W	Energy
FOUX167RGBW	Stainless steel 316	13W	White (3000K)	35°	350	40	
		10W	Red	35°	500	40	
		13W	Green	35°	200	15	
		13W	Blue	35°	500	35	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Pre-wired 5.0M H05RN-F, 2x1.0mm2
Type of wiring required	Series

Control & LED drivers

See pages 276-279 for complete control and LED driver offer

Accessories

JB7	5 pole screw terminal IP68 connector	Sold Separately	306

Colour Change

RGBW

IP68 suitable for full submersion into water

Suitable for coastal C5 and high acid and alkali environment

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

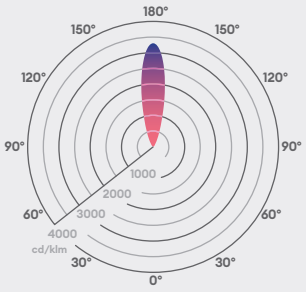
Pre-wired with 5 metres of cable to aid the installer

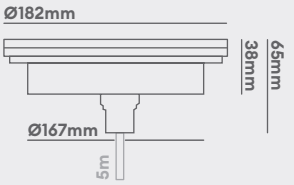
To be installed under water to prevent over-heating

1 1/2" BSP thread enables installation onto fabricated pipework

24V version available

Beam angle: 35°





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

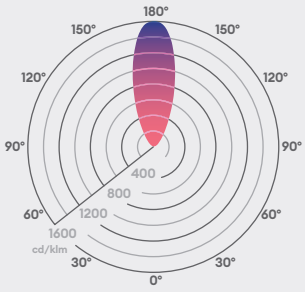
Can rotate and be angled to direct light

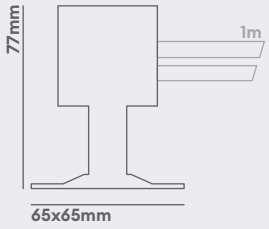
Separate white LED for permanent use

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	L50 50,000h
Colour rendering Index	CRI>80

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	CCT	∠°	lm	lm/W	Energy
UL010RGBW	Silver	1.1W	White (4000K)	40°	50	45	
		1W	Red	40°	38	38	
		1.1W	Green	40°	63	57	
		1.1W	Blue	40°	11	8	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

Control & LED drivers

See pages 290-293 276-279 for complete control and LED driver offer

Accessories

JB7	5-pole IP68 inline connector	Sold Separately	306
CR575RGBW	5-core PVC cable	Sold Separately	281
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	276

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	L50 50,000h
Colour rendering Index	CRI>80

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	CCT	∠	lm	lm/W	Energy
UL030RGBW	Silver	3W	White (4000K)	45°	177	59	
		2W	Red	45°	106	53	
		3W	Green	45°	185	62	
		3W	Blue	45°	43	14	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	2x 1m CR575RGBW (outside diameter: 7.4mm)
Type of wiring required	Series

Control & LED drivers

See pages 290-293 276-279 for complete control and LED driver offer

Accessories

JB7	5-pole IP68 inline connector	Sold Separately	306
CR575RGBW	5-core PVC cable	Sold Separately	281
CCRFCONVWIFI / CCREMOTEB / CCWALLRF(B/W)	4/8 zone RF control for RGB & RGBW system	Sold Separately	276

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

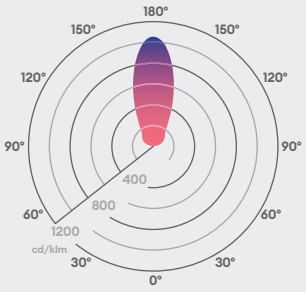
Can rotate and be angled to direct light

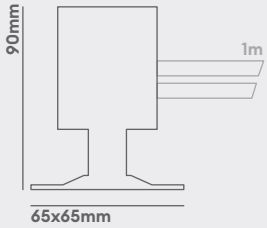
Separate white LED for permanent use

Compatible with a large range of controllers

Marine grade stainless steel for use in outdoor and indoor environments

Beam angle: 45°





Colour Change

RGBW

IP67 for complete protection against ingress of dust & 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

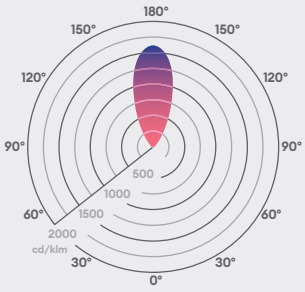
Static loading capacity is 2000kg

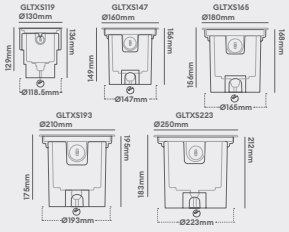
Pre-wired with 1 meter of cable to aid the installer

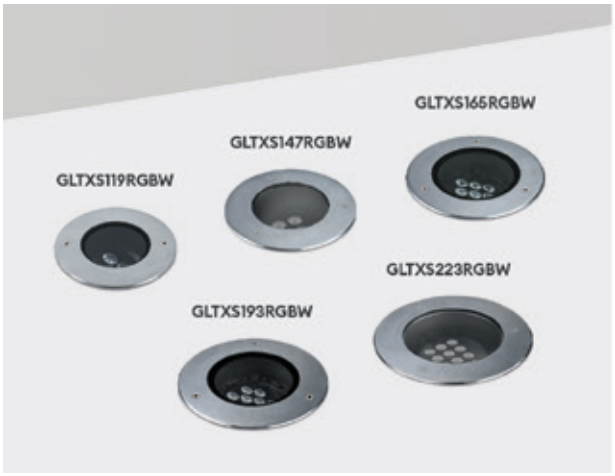
TRIAC mains dimmable and DALI-2 dimmable options also available

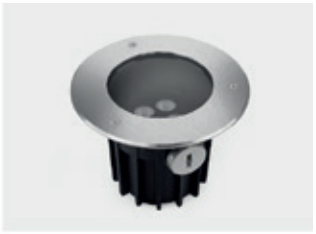
Supplied with installation tube

Beam angle: 40°









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 AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	119
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, GLTM_19: 3.26kg ,GLTM_22: 3.98kg
Maximum ambient temperature	-25°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	Type	W	CCT	∠	lm	lm/W	Energy
GLTXS119RGBW	Stainless steel 316	Ø119mm cut-out	2W	White (3000K)	40°	80	28	
			2W	Red	40°	60	26	
			2W	Green	40°	90	30	
			2W	Blue	40°	30	9	
GLTXS147RGBW	Stainless steel 316	Ø147mm cut-out	4W	White (3000K)	40°	160	28	
			3W	Red	40°	130	30	
			4W	Green	40°	190	37	
			4W	Blue	40°	60	11	
GLTXS165RGBW	Stainless steel 316	Ø165mm cut-out	5.5W	White (3000K)	40°	260	28	
			4.5W	Red	40°	190	30	
			5W	Green	40°	300	37	
			5W	Blue	40°	100	11	

Energy rating is a reflection of the LED light source.

Wiring information

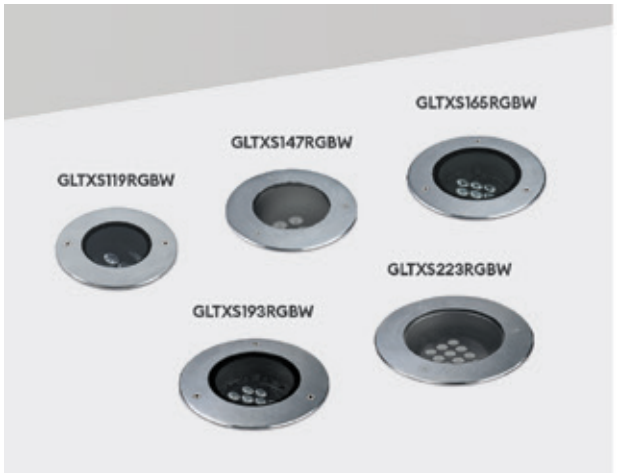
Cable / flying lead	Pre-wired 1.0M H05RN-F, 5x1.0mm2
Type of wiring required	Series

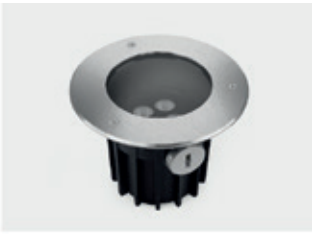
Control & LED drivers

See pages 276-279 for complete control and LED driver offer

Accessories

JB3 or JB7	Junction box	Sold Separately	306
CR575RGBW	5-core PVC cable	Sold Separately	281





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 AC
LED lifetime	L70 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

Installation information

Cut out size (mm)	193
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, GLTM_19: 3.26kg ,GLTM_22: 3.98kg
Maximum ambient temperature	-25°C - 40°C
SELV	N/A
Electric class (1, 2, 3)	3

Photometrics @ 25°C

Product code	Finish	Type	W	CCT	∠	lm	lm/W	Energy
GLTXS193RGBW	Stainless steel 316	Ø193mm cut-out	9W	White (3000K)	40°	360	28	
			7W	Red	40°	275	33	
			9W	Green	40°	400	37	
			9W	Blue	40°	150	12	
GLTXS223RGBW	Stainless steel 316	Ø223mm cut-out	11.5W	White (3000K)	40°	510	28	
			9W	Red	40°	380	39	
			11.5W	Green	40°	560	41	
			12W	Blue	40°	190	13	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	Pre-wired 1.0M H05RN-F, 5x1.0mm2
Type of wiring required	Series

Control & LED drivers

See pages 276-279 for complete control and LED driver offer

Accessories

JB3 or JB7	Junction box	Sold Separately	306
CR575RGBW	5-core PVC cable	Sold Separately	281

Colour Change

RGBW

IP67 for complete protection against ingress of dust & 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

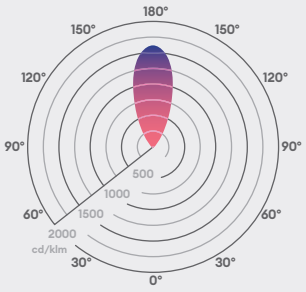
Static loading capacity is 2000kg

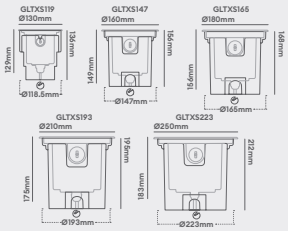
Pre-wired with 1 meter of cable to aid the installer

TRIAC mains dimmable and DALI-2 dimmable options also available

Supplied with installation tube

Beam angle: 40°





Colour Change

RGBW

Coastal protected

IP65 ideal for outdoor environments

Guarantee

5 years

Features & benefits

Complete with wall fixings for easy installation

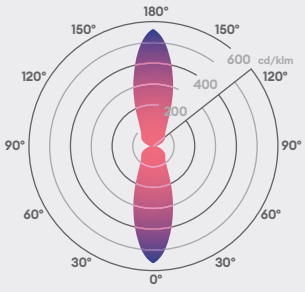
Projects light in two directions

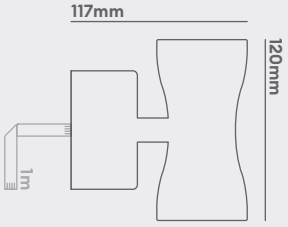
Separate white LED for permanent use

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	No
Dimmable	No
Input	350mA
LED lifetime	L50 50,000h
Colour rendering Index	CRI>80
Colour consistency	SDCM3

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	CCT	∠°	lm	lm/W	Energy
WL070RGBW	Silver	6W	White (4000K)	45°	200	67	
		4.0W	Red	45°	145	73	
		6.0W	Green	45°	230	77	
		6.0W	Blue	45°	38	13	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	1x 5-core ribbon cable
Type of wiring required	Series

Control & LED drivers

See pages 276-279 for complete control and LED driver offer

Accessories

JB7	5 pole screw terminal IP68 connector	Sold Separately	306
CR575RGBW	5-core PVC cable	Sold Separately	281

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	L70 50,000h
Colour rendering Index	CRI>80

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	CCT	∠°	lm	lm/W	Energy
LSR0527050	5	5W/m	White (2700K)	120°	350	70	
		3.9W/m	Red	120°	130	33	
		3W/m	Green	120°	270	90	
		2.9W/m	Blue	120°	65	22	
LSR0530050	5	5W/m	White (3000K)	120°	350	70	
		3.9W/m	Red	120°	130	33	
		3W/m	Green	120°	270	90	
		2.9W/m	Blue	120°	65	22	
LSR0540050	5	5W/m	White (4000K)	120°	350	70	
		3.9W/m	Red	120°	130	33	
		3W/m	Green	120°	270	90	
		2.9W/m	Blue	120°	65	22	

Energy rating is a reflection of the LED light source.

Wiring information

Cable / flying lead	0.2m 5-core ribbon cable
Type of wiring required	Parallel

Control & LED drivers

See pages 276-279 for complete control and LED driver offer

Accessories

CR575RGBW	5-core PVC cable	Sold Separately	281
CF505RGBW	5-core RGBW ribbon cable	Sold Separately	281

Colour Change

RGBW

5W — Ideal for accent lighting with low wattage

IP20 — IP20 ideal for living room and hallways

Guarantee

3 years

Features & benefits

IP20 ideal for living room and hallways

Hard-wearing clear covering

Foil backed flexible PCB dissipates heat (improves LED life and colour stability)

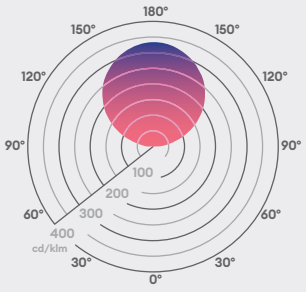
50 LEDs per mete in White and RGBW for an even spread of light

3M self-adhesive backing

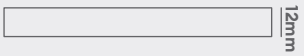
Supplied in customised lengths (0.1m up to 4.9m in 100mm increments) 5m reel also available

Compatible with a large range of controllers

Beam angle: 120°



5m/100mm



Lighting Controls

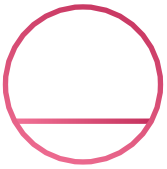
Drivers

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.

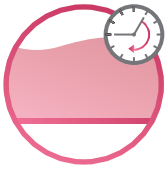


IP20

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.

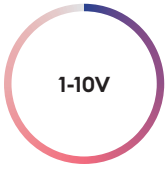
PSIP drivers

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.

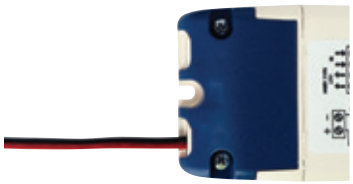


With a 1-10V system, all the LEDs connected to the dimmer will dim at an equal amount.

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.

Colour change

Making controlling colour easier

Use our easy to follow step-by-step colour change control guide on pages **274 - 275** 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 **276 -277** about zones.

CCWALLRFW / CCWALLRFB

1-4 zones
Wall mounted control

CCREMOTEB

1-4 zones
Handheld control

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.

	PS1524	PS3024B	PSMD3024	LSD6024	PSDIP6024	PS7524	PSDIP10024	PSMDIP10024	LSD12024	PSIP15024	PSDAL20024	PSIP25024	DRV350700TD (350mA & 500mA)
Driver information													
Constant current or Constant voltage	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CV	CC
Output classification	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	350mA-700mA
IP rating	IP20	IP20	IP20	IP20	IP66	IP20	IP66	IP66	IP20	IP67	IP66	IP67	IP20
Dimmable	1-10V*	1-10V*	Mains	No	1-10V	1-10V*	1-10V	Mains	No	1-10V*	1-10V	1-10V*	Mains (Triac)
DIN rail mount	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
Wall lights													
ML01 Page 127													4-14
Strip													
LSC02 Page 152	3.1m	6.2m	3.8-6.2m	12.5m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSC04 Page 154	1m	2m	1.3-2m	4.1m	4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m	
LSC05 Page 153	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSC06 Page 155	0.8m	1.7m	1.1-1.7m	3.5m	3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m	
LSC82 Page 156	3.1m	6.2m	3.8-6.2m	12.5m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSC84 Page 158	1m	2m	1.3-2m	4.1m	4.1m	5.2m	6.9m	6.9m	8.3m	10.4m	13.8m	17.3m	
LSC85 Page 157	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSC86 Page 159	0.8m	1.7m	1.1-1.7m	3.5m	3.5m	4.4m	5.8m	5.8m	7m	8.8m	11.7m	14.7m	
LSFA07 Page 161	1.8m	3.7m	2.3-3.7m	7.5m	7.5m	9.3m	12.5m	12.5m	15m	18.7m	25m	31.2m	
LSNS73 Page 162	2.3m	4.6m	2.8-4.6m	9.2m	9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m	
LSNS75 Page 163	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSNT73 Page 164	2.3m	4.6m	2.8-4.6m	9.2m	9.2m	11.5m	15.3m	15.3m	18.4m	23m	30.7m	38.4m	
LSNT75 Page 165	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSP2250XX Page 160	1m	2.1m	1.3-2.1m	4.2m	4.2m	5.3m	7.1m	7.1m	8.5m	10.7m	14.2m	17.8m	
LSV02 Page 148	3.1m	6.2m	3.8-6.2m	12.5m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSV05 Page 149	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
LSV42 Page 150	3.1m	6.2m	3.8-6.2m	12.5m	12.5m	15.6m	20.8m	20.8m	25m	31.2m	41.6m	52m	
LSV45 Page 151	1.5m	3.1m	1.9-3.1m	6.2m	6.2m	7.8m	10.4m	10.4m	12.5m	15.6m	20.8m	26m	
Commercial Landscape													
FOUX167N30 Page 263		1-1		1-2	1-2	1-3	1-4		1-4	1-6		1-10	
UL010 Page 267													3-12
UL030 Page 266													2-6

To place an order use the driver product codes below.

DRV150700 (150mA-350mA)	**DRV150700** (400mA-700mA)	**DRV350700TD** (700mA)	**PLD UNI-DRIVE 350MA**	**PSDAL350M**	**PSDIM350**	**PSIP3509W**	**PSIP35018W**	**PLDM70011**	**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
150mA-350mA	400mA-700mA	700mA	350mA	350mA	350mA	350mA	350mA	700mA	700mA	700mA	700mA	700mA	700mA	900mA	900mA	180mA
IP20	IP20	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20	IP20	IP65	IP65	IP20	IP20	IP20
No	No	Mains (Triac)	1-10V	DALI or 1-10V	1-10V	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	Yes	No	No	No	No	No	No	No	Yes

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

1-15			1-10	1-18	1-18	1-8	9-17									

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.

Do this for each zone

LSR05 - Bespoke lengths available		
Length of strip per power repeater	Wattage driver required	Product (driver)
Up to 2m per **PR3002**	60W	**LSD6024**
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	CC	4 x 8.4W max.	1.6A max.	24V DC	4 x 350mA	4 x 24V max.	40°C	70°C	CCDRV100___ CCDRV200___
PR3002	CV	39W channel max.	6.5A max.	24V DC	4 x 1.6A	4 x 24V	40°C	70°C	CCDRV100___ CCDRV200___

Dimming interface

Choose the right dimming interface

	Type of interface	Rated wattage	Input current	Input voltage	Output current	Output voltage	Power factor	Ambient temperature (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 - 40°C	70°C	DALI-2, PUSH DIM, 0-10V and 1-10V		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	
Product code	Max. per PR3011
GL016RGBW	**6**
GL090RGBW	**2**

Products per PR3011	
Product code	Max. per PR3011
WL070RGBW	**1**
UL010RGBW	**6**
UL030RGBW	**2**

PR3011's per driver		
Number of PR3011's	Wattage driver required	Product (driver)
1	60W	**LSD6024**
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: 28.5 mm L: 170 mm W: 58 mm	165g	Screw terminals < 2.5mm² cable		5 years guarantee
IP20	Yes		Short circuit & overheating	H: 28.5mm L: 170mm W: 58mm	165g	Screw terminals < 2.5mm² cable		5 years 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.	1.5mm² max.	**PDC/GRID DIMMER** Grid dimmer kit	1 year

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
EUP30T1HMC0	30W	3-40V DC	750mA	30W	220-240VAC, 50-60Hz	0.17A	15A	0.9	-20°C - 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 - 45°C	Dimmable with PDCINT1-10V	Yes	90%	IP20	No
LSD6024	60W	24V DC	2.5A max	60W	220-240VAC, 50-60Hz	0.32A	37A 0.215ms	0.9	-15°C - 45°C	Dimmable with PDCINT1-10V	Yes	>89%	IP20	No
DRV150700	30W	2.5-42VDC	150-700mA	30W	220-240VAC	150mA-700mA	5.38A 0.032ms	0.95	45°C	Non-dimmable	Yes	89%	IP20	
DRV350700TD	20W	350mA: 9-40V - 500mA: 9-40V - 700mA: 9-29V	350-700mA	20W	220-240VAC	350-700mA	15A 0.09ms	0.95	50°C	Mains (Triac)	Yes	81%	IP20	
PLD UNI-DRIVE 350MA	N/A	2-46V	350mA	18W	110-240V AC	0.14A	5A 0.05ms	0.98	-25°C - 50°C	1-10V	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 - 50°C	1-10V	Yes	80%	IP20	
PLDM70011	N/A	12V	700mA	12W	220-240V AC	0.05A	15A 0.5ms	0.95	-25°C - 40°C	Mains	Yes	>80%	IP20	Yes
PS1524	15W	24V DC	0.625A max.	18W	220-240V AC	0.08A	28A 0.02ms	0.5	45°C	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 - 45°C	Dimmable with PDCINT1-10V	Yes	>80%	IP20	
PS250600MA	25W	14-42V	250mA - 600mA	29W	220-240VAC, 50-60Hz	0.18A	40A 0.35ms	0.95	-20°C - 45°C	DALI, 0-10V, PUSH DIM	Yes	85%	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		3 Years
No	No	Mains Surge, Short / Open Circuit	Yes	H: 30mm L: 300mm W: 40mm	425g	Terminals	0.75 - 1.5mm2	0.75 - 1.5mm2		5 years
No		Mains Surge, Short / Open Circuit	Yes	H: 30mm L: 180mm W: 52mm	296g	Terminals	0.75 - 1.5mm2	0.75 - 1.5mm2		5 years
	No	Open Circuit, Short Circuit, Over Temperature Self Reset	Yes	H: mm L: mm W: mm		Push-fit terminals		0.75 - 1.5mm2		5 years
	No	Open Circuit, Short Circuit, Over Temperature Self Reset	Yes	H: mm L: mm W: mm	130g	Push-fit terminals				5 Years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.		5 years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 103mm W: 67mm	100g	Terminals	0.5-1.5mm² max.	0.5-1.5mm² max.		5 years
	No	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
	No	Short circuit, overload & overheating	Yes	H: 19mm L: 103mm W: 35.5mm	80g	Terminals	0.5-1.5mm² max.	0.5-1.5mm²	**PDCINT1-10V** Dimming interface	3 Years
	No	Short circuit, overload & overheating	Yes	H: 30mm L: 143mm W: 45mm	146g	Terminals	0.5-1.5mm² max.	0.5-1.5mm²	**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

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
PS6501100MA	46W	14-42V	650mA - 1100mA	53W	220-240VAC, 50-60Hz	0.3A	40A 0.35ms	0.95	-20°C - 45°C	DALI, 0-10V, PUSH DIM	Yes	87%	IP20	No
PS7524	75W	24V DC	3.13A max.	90W	200-240V AC	0.4A	75A 0.11ms	0.9	-20°C - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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 - 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	0-10V	Yes	>80%	IP66	

Loop in / loop out	Din rail mount	Protection	SELV	Dimensions	Weight	Connection output	Input cable	Output cable	Accessories	Warranty
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	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
	No	Short circuit, overload & overheating	Yes	H: 53mm L: 255mm W: 80mm	1800g	Flying Lead	Mains: 0.25m, 1mm² 3-core cable Ø: 7.5mm DALI: 0.25m, 0.75mm² 2-core cable Ø: 7mm	0.25m, 1.5mm² 2-core cable Ø 9mm		3 Years
	No	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
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.		5 years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.		7 years
Yes	No	Open / Short Circuit - Power Cycle Reset	Yes	H: 30mm L: 118mm W: 46mm	103g	Plug & Play		H03VVH2-F with connector		3 Years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.		5 years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.		7 years
	No	Short circuit, overload & overheating	Yes	H: 22mm L: 123mm W: 79mm	100g	Terminals	0.5-2.5mm² max.	0.5-2.5mm² max.		7 years
	No	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		3 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	
PSIP15024	150W	24V DC	6.3A max.	178W	220-240V AC	0.80A	45A 1ms	0.95	50°C	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	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	Non-dimmable	Yes	83%	IP65		
PSIP3509W	9W	2.5 - 25V	350mA	11W	220-240V AC	0.05A	8A 0.1ms	0.9	50°C	Non-dimmable	Yes	82%	IP65		
PSIP70018W	18W	2.5 - 25V	700mA	20W	220-240V AC	0.1A	12A 0.1ms	0.9	50°C	Non-dimmable	Yes	83%	IP65		
PSIP70036W	36W	25 - 50V	700mA	40W	220-240V AC	0.18A	18A 0.1ms	0.9	50°C	Non-dimmable	Yes	85%	IP65		
PSMD3024	30W	24V DC	1.25A	30W	180-240V AC	0.18A	3A 0.08ms	0.95	50°C	Mains	Yes	>83%	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
		No	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	**PDCINT1-10V** Dimming interface	3 Years
		No	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	**PDCINT1-10V** Dimming interface	3 Years
		No	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
		No	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
		No	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
		No	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
		No	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
		No	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

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	1mm²
Cable diameter	5 - 6.5mm²
IP rating	IP68 (2m)
Wiring	Parallel
Inputs	1
Outputs	1 - 3

Use in conjunction with
GL018

JB3

Waterproof junction box

Key features	
Max. voltage	400V AC
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	
GL016RGBW	GL090RGBW

JB5 (Parallel)

Gel filled waterproof junction box

Key features	
Max. voltage	250V AC
Max. current	16A
Max. conductor size	1.5mm²
Cable diameter	6.5 - 12mm²
IP rating	IP68 (1.3m)
Wiring	Parallel
Inputs	1
Outputs	1 - 3

Use in conjunction with	
BL03	GL018
GL034	GL038
GL200	WL339
WL341	

JB7

5 pole screw terminal IP68 connector

Key features (RGBW only)	
Max. voltage	24V
Max. current	1.4A
Max. conductor size	4mm²
Cable diameter	7 - 10.5mm²
IP rating	IP68 (1.3m)
Wiring	Parallel
Inputs	1
Outputs	1

Use in conjunction with	
GL016RGBW	GL090RGBW

JB2 (Series)

Waterproof junction box

Key features	
Max. voltage	48V DC
Max. current	700mA
Max. conductor size	1mm²
Cable diameter	5 - 6.5mm²
IP rating	IP68 (2m)
Wiring	Series
Inputs	1
Outputs	1 - 3

Use in conjunction with		
BL01	GL016	GL019
GL021	GL022	GL040
UL010	UL030	SL030
SL130	SL040	SL220
GL100		

JB4 (Series)

Gel filled waterproof junction box

Key features	
Max. voltage	120V DC
Max. current	700mA
Max. conductor size	1.5mm²
Cable diameter	3 - 12mm²
IP rating	IP66
Wiring	Series
Inputs	1
Outputs	1 - 7

Use in conjunction with		
BL01	GL016	GL019
GL021	GL022	GL040
UL010	UL030	SL030
SL130	SL040	SL220
GL100		

JB6

Inline IP68 gel filled cable connector

Key features	
Max. voltage	250V AC
Max. current	6A
Max. conductor size	0.75mm²
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	
BL03	GL034
GL038	GL200
SL220	WL339
WL340	WL341
WL342	

WCR 275 Black

2-core rubber cable

Key features	
Cable	H05RN-F 2 x 0.75mm²
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-F 3 x 0.75mm²
Material	Copper cable, rubber outer
Length	100m reel
Indoor / outdoor	Suitable for permanent outdoor use

Use in conjunction with	
JB1	JB5
WC 5-9	

UY2 Connector

Quick waterproof connector

Key features	
IP rating	IP65
Wiring	Series
Waterproof type	Gel
Material	Plastic

Use in conjunction with
ML01

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	1.5mm²	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	10m	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	3m	4.5m	6m	9m	15m
PR3011	50m	75m	100m	150m	250m

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

Information

Lighting terms

0-10V
Dimming controlled by a variable voltage that allows the light to be dimmed to 0%.

1-10V
Dimming controlled by a variable voltage, with control from 10%-100% brightness.

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 (lm)
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 (lm/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.

mA
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.

PUSH-DIM
Dimming control via a single push button, press briefly for on/off and hold to dim up/down.

PWM
Pulse-width modulation: a control system for efficient and precise control of brightness, mainly used for strip.

RAL
A set of industry standard colours to ensure consistent paint finishes across all products.

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-F
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.

PTFE
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.

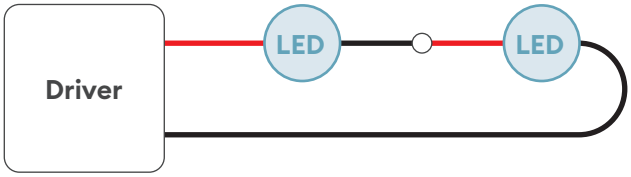
Information

Series / parallel wiring

LED lighting products can be wired in either Series or Parallel and both have their advantages.

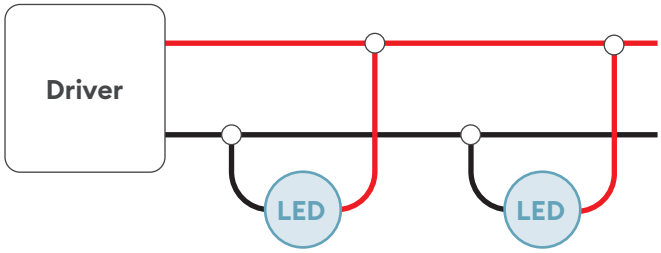
Series

Series wired products that require a separate constant current driver.



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.

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).

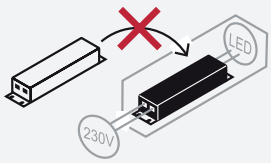
Collingwood ground lights, would be an example of a product that meets the technical justification. The IP rating required for these fittings means that they are sealed for life and that replacement of the light source would not be acceptable to maintain product performance.

We have designed our products to ensure conformance with these regulations, whilst not compromising on performance, lifetime or warranty.

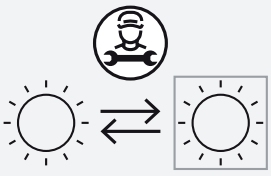
Please contact us should you have any questions regarding a specific product.

Industry standard pictograms

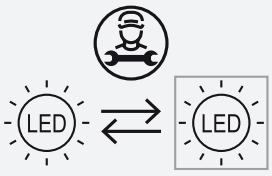
Non-replaceable light source



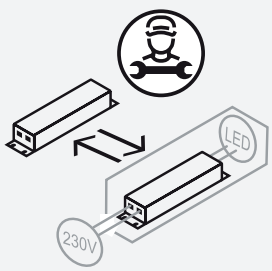
Non-replaceable control gear



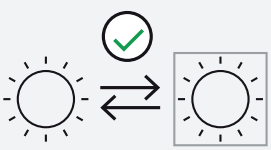
Replaceable light source by a professional



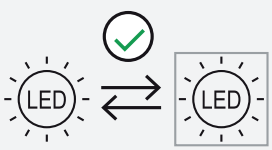
Replaceable (LED only) light source by a professional



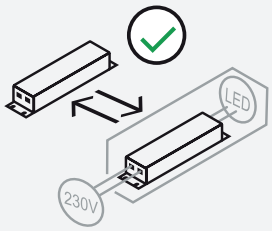
Replaceable control gear by a professional



Replaceable light source by an end-user



Replaceable (LED only) light source by an end-user



Replaceable control gear by an end-user

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.

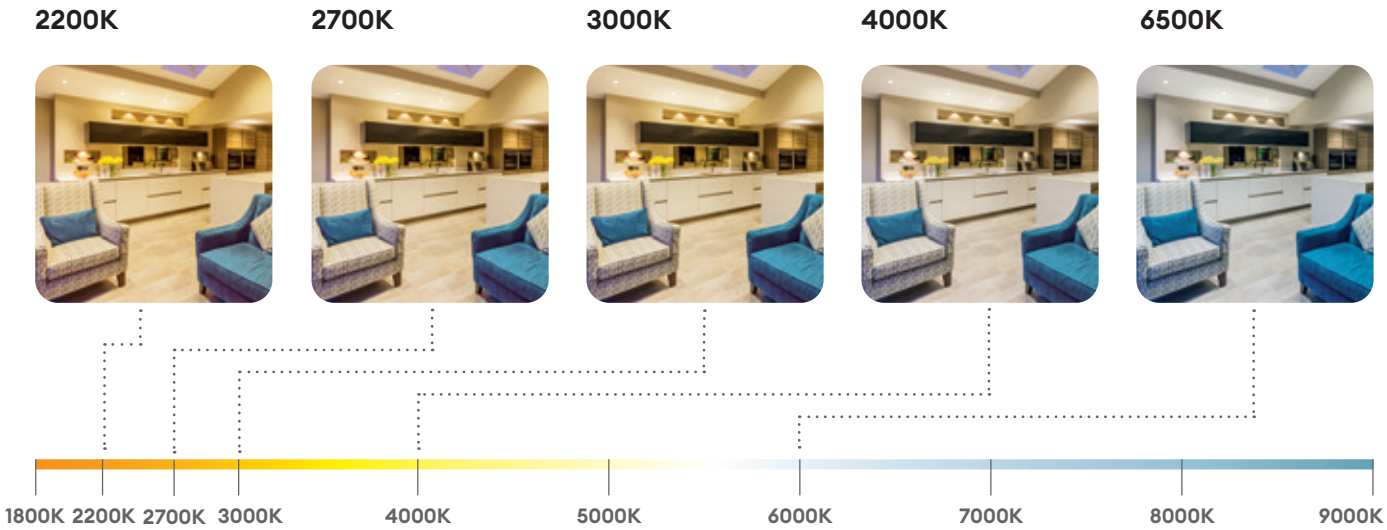
With standard white LED lighting, these tones range from warm-yellow to cool-blue white light, with several options in between. The graphic below is a reference that starts at a warm yellow colour on the left and fades into a cool blue colour on the right.

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

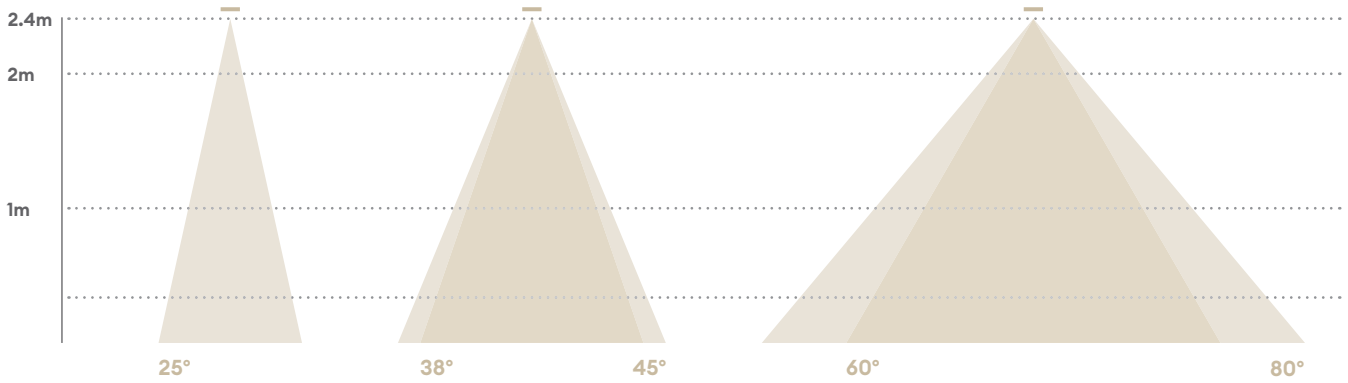
25° A narrow beam angle ideal for illuminating specific areas of interest with pin points of light.

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.

80° Ideal for high ceilings and illuminating large areas of space 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

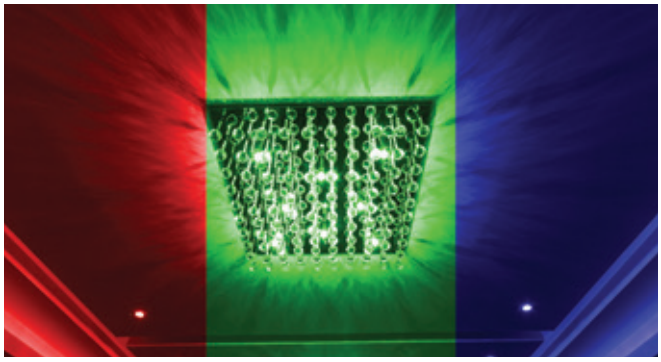
High CRI

RGB vs RGBW

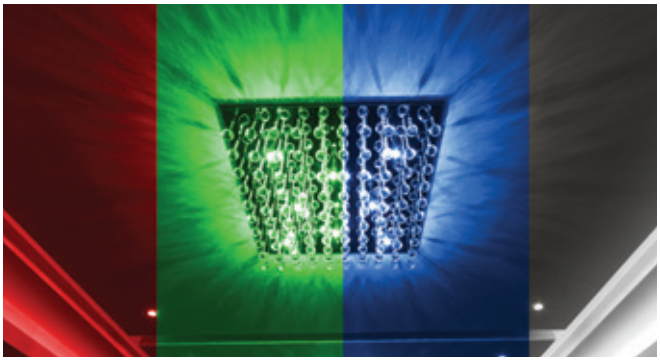
Use RGB products to select vivid red, green or blue schemes or mix the three together for even more colour options.

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.

Driving performance

Optimise performance with Collingwood drivers

Collingwood low voltage luminaire

Collingwood driver

Collingwood performance

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.

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
IK00	Not protected.
IK01	Protected against 0.14 joules impact.
IK02	Protected against 0.2 joules impact.
IK03	Protected against 0.35 joules impact.
IK04	Protected against 0.5 joules impact.
IK05	Protected against 0.7 joules impact.
IK06	Protected against 1 joules impact.
IK07	Protected against 2 joules impact.
IK08	Protected against 5 joules impact.
IK09	Protected against 10 joules impact.
IK10	Protected against 20 joules impact.

IP rating

The IP rating normally has two numbers:

1. Level of protection from solid objects or materials.
2. Level of protection from liquids (water).

Solid protection

Number	Example	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.
2		Protection against fingers or other objects not greater than 80mm in length and 12mm in diameter.
3		Protection from entry by tools, wires etc, with a diameter of 2.5mm or more.
4		Protection against solid bodies larger than 1mm.
5		Protection against dust that may harm equipment.
6		Totally dust-tight.

Liquid protection

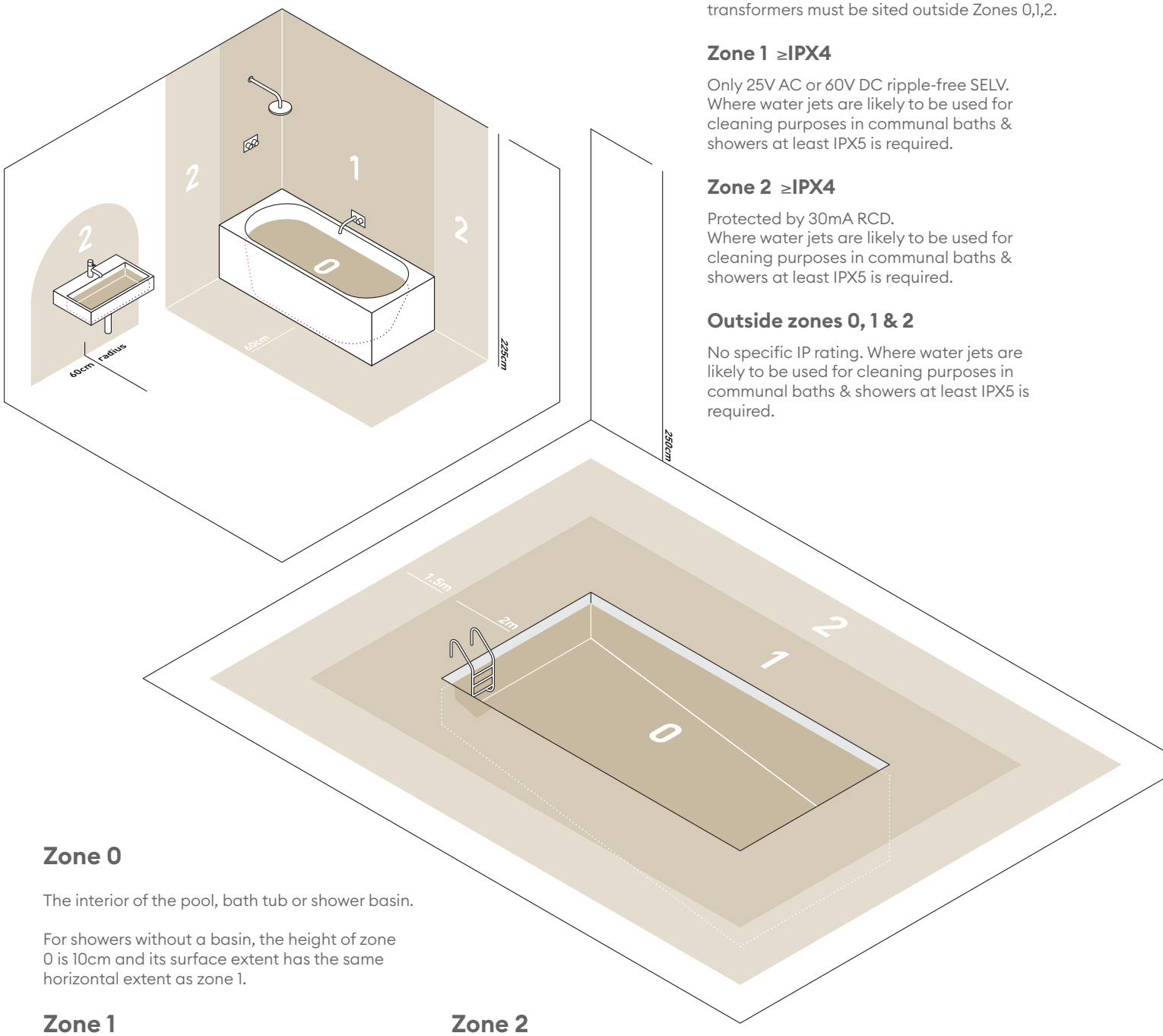
Number	Example	Protection
0		No special protection.
1		Protection against condensation.
2		Protection against water droplets deflected up to 15° from vertical.
3		Protection against spray up to 60° from vertical.
4		Protection against water spray from all directions.
5		Protection against low pressure water jets (all directions).
6		Protection against high pressure water jets and waves.
7		Protection against temporary immersion.
8		Protection against prolonged effects of submersion under pressure. Submersion depth to be specified.*
9		Protection against high pressure, high temperature close range jet (8-10 MPa – 80°C) and high temperature water and steam.

IP65

Ingress protection.

*e.g. IP 68 @ 1bar = dust-tight and permanent protection to 1 bar pressure (9m water depth).

Bathroom / pool zones



What IP rating do I need?

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.

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Collingwood Lighting Limited terms and conditions of trading

1. **Interpretation**

1.1 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 Company;
"Buyer Materials" any documents or other materials and any data or other information provided 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, Sywell, Northampton, NN6 0BT.
"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.

1.2 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.

2. **Application of terms**

2.1 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.

2.2 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 document being referred to in the Contract.

2.3 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.

2.4 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.

2.5 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 Buyer.

2.6 The Buyer must ensure that the terms of any order or related document are complete and accurate.

2.7 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.

2.8 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. **Description**

3.1 The description of the Goods shall be as set out in the Company's price list.

3.2 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.

3.3 The Buyer should always ensure that the Goods ordered are suitable for the intended purpose before commencing installation, bulk production or investment in tooling.

4. **Delivery**

4.1 Unless otherwise agreed in writing by the Company delivery of the Goods shall take place at the address detailed in the Buyer's order.

4.2 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.

4.3 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.

4.4 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 (including 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).

4.5 The Buyer will provide at its expense at the Delivery Point adequate and appropriate equipment and manual labour for loading the Goods.

4.6 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.

5. **Non-Delivery**

5.1 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.

5.2 The Company 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.

5.3 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.

6 **Risk/Title**

6.1 The Goods are at the risk of the Buyer from the time of delivery.

6.2 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.

6.3 Until ownership of the Goods has passed to the Buyer, the Buyer must: hold the Goods on a fiduciary basis as the Company's bailee; store the Goods (at no cost to the Company) separately from all other goods in such a way that they remain readily identifiable as the Company'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's behalf 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.)

6.4 The Buyer may resell the Goods before ownership has passed to it on the following conditions:

6.4.1 any sale shall be effected in the ordinary course of the Buyer's business at full market value; and

6.4.2 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.

6.5 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.

6.6 The Buyer's right to possession of the Goods shall terminate immediately if:

6.6.1 the Buyer has a bankruptcy order made against him or makes an arrangement or composition with his creditors, or otherwise takes the benefit of any relief for insolvent debtors, or (being a body corporate) convenes a meeting of creditors (whether formal or informal), or enters into liquidation except a solvent voluntary liquidation for the purpose of reconstruction or amalgamation, or has a receiver and/or manager, administrator or administrative receiver appointed of its undertaking or any part thereof, or a resolution is passed or a petition presented to any court for the winding up of the Buyer or for the granting of an administration order in respect of the Buyer, or any proceedings are commenced relating to the insolvency or possible insolvency of the Buyer; or

6.6.2 the Buyer suffers or allows any execution, whether legal or equitable, to be levied on his/its property or obtained against him/it, or fails to observe/perform any of his/its obligations under the Contract or any other contract between the Company and the Buyer, or is unable to pay its debts within the meaning of section 123 of the Insolvency Act 1986 or the Buyer ceases to trade; or

6.6.3 the Buyer encumbers or in any way charges any of the Goods.

6.7 The Company shall be entitled to recover payment for the Goods notwithstanding that ownership of any of the Goods has not passed from the Company.

6.8 The Buyer grants the Company, its agents and employees an irrevocable licence at any time to enter any premises where the Goods are or may be stored in order to inspect them, or, where the Buyer's right to possession has terminated, to recover them.

7. **Price**

7.1 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 invoice.

7.2 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.

7.3 If the Buyer is paying for Goods on a "pro-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.

7.4 The Company reserves the right, by giving notice to the Buyer to increase the price of the Goods to reflect any increase 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.

7.5 The price for the Goods shall be exclusive of any value added tax which shall be paid at the rate and in the manner for the time being provided by law.

7.6 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.

7.7 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.

7.8 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.

8. **Payment**

8.1 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.

8.2 No payment shall be deemed to have been received until the Company has received cleared funds.

8.3 All payments payable to the Company under the Contract shall become due immediately upon termination of this Contract despite any other provision.

8.4 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.

8.5 If the Buyer fails 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% above 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.

9. **Quality**

9.1 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.

9.2 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.

9.3 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 (if there are none) good trade practice; or the Buyer alters or repairs such Goods without the written consent of the Company.

9.4 Subject to Conditions 9.2 and 9.3, if any of the Goods do not conform with the warranty in Condition 9.1 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 which is defective to the Company.

9.5 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.

9.6 Where a defect is discovered the Buyer will inform the Company immediately notwithstanding the expiry of the warranty period in Condition 9.2.

10. **Limitation of liability (the buyer's attention is drawn to the provisions of this condition)**

10.1 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 breach of these Conditions and any representation, statement or tortious act or omission including negligence arising under or in connection with the Contract.

10.2 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.

10.3 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.

10.4 Subject to Conditions 10.2 and 10.3:

10.4.1 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

10.4.2 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.

10.5 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.

11 **Intellectual property**

11.1 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.

12. **Force majeure**

12.1 The Company reserves the right to defer the date of delivery or to cancel the Contract or reduce the volume of the Goods ordered by the Buyer (without liability 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 commotion, fire, explosion, 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.

13 **General**

13.1 Each right or remedy of the Company under the Contract is without prejudice to any other right or remedy of the Company whether under the Contract or not.

13.2 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, invalid, 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.

13.3 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 in no way affect the other terms of the Contract.

13.4 The parties to this Contract do not intend that any term of 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.

13.5 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, firm or company.

13.6 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 courts.

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