

**AURORA**<sup>®</sup>  
L I G H T I N G

T R A D E



L I G H T I N G   S O L U T I O N S



## A Bright Future for Aurora Lighting after Acquisition by Galaed Group

“Following the acquisition by the Galaed Group, there is a bright future ahead for Aurora Lighting. The new arrangement has enabled Aurora to be 100% focused on the UK market, which is an opportunity too good to be missed.

Galaed Group shares the same route to market as Aurora, as well as the same focus areas – residential, commercial, industrial and retail. We are looking forward to joining forces as we move forward, united and stronger.

COVID and the international situation is now allowing us to focus on our market. It is perfect timing for this new partnership between Aurora and Galaed.”

**Sebastien Bonneville**  
President of Galaed Group



Aurora Lighting, Welwyn Garden City, UK  
Premium

*The formation of Aurora Lighting UK Ltd will enable the company to return to its roots as an experienced designer and manufacturer of lighting solutions.*

### Committed to meeting the needs of the UK market

Following an acquisition by the Galaed Group, ambitious plans are underway for Aurora Lighting to refocus solely on the UK market.

Dedicated to unlocking the potential for the next stage of growth and transformation, private equity firm B & Capital has invested in the Galaed Group with clear ambitions for Aurora and its notable product innovations.

With an impressive €110m turnover, Galaed has the capability and resources to drive the Aurora Lighting brand forward.

As a specialist in LED lighting, Aurora uniquely engineers and delivers reliable, compliant, high-performing, and simple to install products to a wide range of customers including wholesalers,

contractors and specifiers.

This exciting acquisition has bolstered Aurora's already strong and impressive market position to ensure it stands



*The acquisition is seen by Galaed Group and Aurora as a true collaboration - Aurora will undoubtedly benefit from Galaed's expertise and focus on growth.*

the test of time, while working to make the business more agile and streamlined.

It is a significant opportunity to relaunch the business while retaining its existing and experienced management team, the same popular product ranges and excellent marketing services.

This is all underpinned with our supportive and loyal UK customer base, who will continue to receive the outstanding levels of service and quality they have come to expect from Aurora Lighting.

Created in 2020, the Group brings together five different companies – with Aurora being the fifth - that all specialise in the manufacture and sale of lamps and luminaires.

A leading player in lighting solutions, Galaed has quickly earned the respect of the industry following several successful

and recent acquisitions of notable lighting companies that have a strong place in the market including Miidex Lighting, Electra, Hoplights and Europole.



Miidex, Plaisance-du-Touch, France  
Entry / Mid Range



Electra, Riom, France  
Premium / Technical



Hoplights, Ternay, France  
Premium / Technical



Europole, Ternay, France  
Mid / High Range

*With a specific focus on wholesalers and the electrical contractor, Galaed recognised Aurora Lighting as an innovative & forward-thinking company.*

Entwining the two companies even more, Galaed Group President, Sebastien Bonneville, worked at Aurora Lighting for six years.

He left to start Galaed, retaining the knowledge of Aurora's potential, so when the opportunity to acquire the business arose, he knew it was a wise move.

With a number of synergies, the customer base will benefit from an improved supply chain, more innovation thanks to improved resourcing, and better efficiency levels

leading to growth. There will also be many opportunities for sharing best practice across all five companies within the group.

The immediate focus will be the new product range for 2023, as well as more customer engagement opportunities.

In the long-term, Aurora Lighting will

improve many of its processes, as well as increasing, and promoting, the company's commitment to Environmental Social Governance.



Aurora Lighting is founded on partnerships that offer support through design consultancy and programme management as well as state-of-the-art products that meet requirements across a number of key verticals.

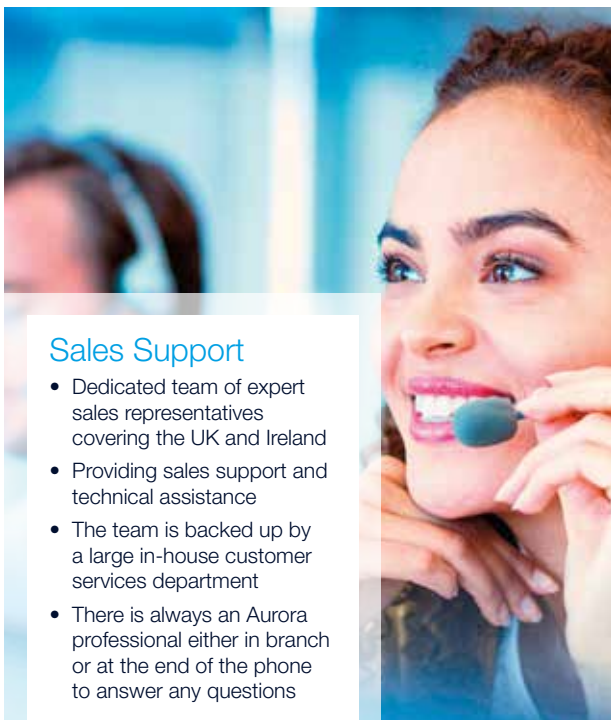
International infrastructure, innovative product ranges and specialist expertise enable the successful delivery of quality, compliant, tailored solutions to any destination, on time, every time.

We ensure our customers receive the best possible service and support across product, customer service and key account management.



### Stockist Programme

- Designed to achieve the best possible results for our trade partners
- Benefit from dedicated sales management and lighting design support
- Dedicated marketing tools such as mobile showroom visits and POS material
- Product training using our mobile showrooms or our team can visit your premises



### Sales Support

- Dedicated team of expert sales representatives covering the UK and Ireland
- Providing sales support and technical assistance
- The team is backed up by a large in-house customer services department
- There is always an Aurora professional either in branch or at the end of the phone to answer any questions



### Technical Support

In the increasingly complex world of LED Lighting, an Aurora technical specialist is on hand to help and advise. Whether you need information on standard or smart luminaires, dimming compatibility, a wiring diagram, or you have a general technical enquiry, the product experts are just a call away.

From informative product catalogues to mobile showrooms, we showcase Aurora products in a variety of ways to everyone from wholesalers and contractors to end-users.

Through an integrated approach, products are effectively and efficiently delivered to our core sectors: Residential, Commercial, Industrial & Retail.

As we head into the future, we aim to continue to provide the support required that enables our customers to achieve the desired results.



### Testing & Compliance

A dedicated UK compliance team ensures adherence to latest legislation and standards, providing representation on industry trade bodies.

World class design and engineering teams develop market leading products, supported by comprehensive Nemko approved testing, ensuring they are fully compliant, perform as specified and stand the test of time.



### Availability & Delivery

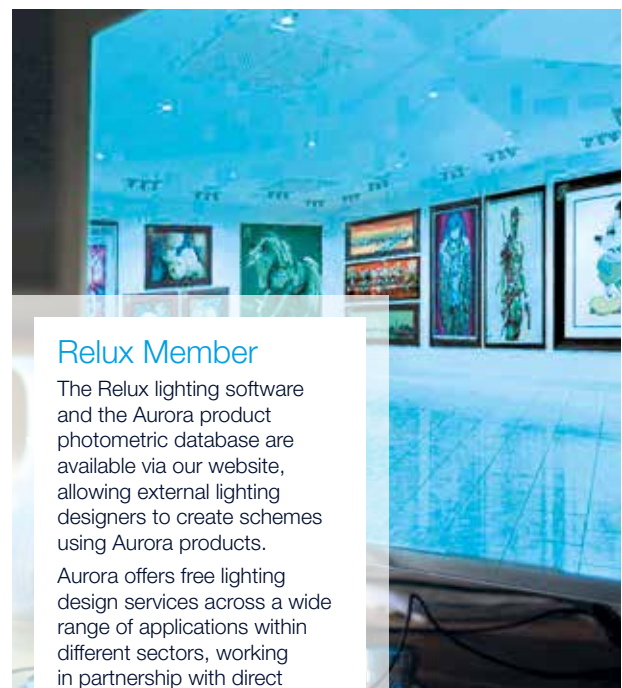
The Welwyn Garden City warehouse and distribution facility offers a next day delivery service to stockists across most UK destinations, and a same day collection service.

Outstanding performance is enabled through a multi million pound Stockist Programme that ensures our trade customers get what they want, when they want it.



### In-House Production

- In-house manufacturing is at the heart of Aurora's core capabilities
- Ongoing investment in people, infrastructure and production facilities ensure all product ranges have market leading quality
- Fully compliant to ISO 9001 and ISO 14001 quality standards



### Relux Member

The Relux lighting software and the Aurora product photometric database are available via our website, allowing external lighting designers to create schemes using Aurora products.

Aurora offers free lighting design services across a wide range of applications within different sectors, working in partnership with direct customers and end users.

**Aurora delivers tailored applications for key verticals, including Residential, Commercial, Industrial and Retail.**

True vertical integration ensures unmatched reliability, brand credibility and seamless compatibility across all product lines.

Through our dedication to manufacturing and national distribution, our in-house lighting experts help you successfully plan, design and execute your lighting projects.

## RESIDENTIAL



### COMFORT

Residential lighting applications create unique homely settings.

The home is a retreat, a space for entertaining, a place for creating memories.

Focused on quality and innovative design, our extensive range of residential luminaires creates the mood and ambience for any occasion.

# COMMERCIAL

# INDUSTRIAL

# RETAIL



**PRECISION**

Our commercial lighting products are tailored to each work space, from offices to warehouses and schools

Colour rendering in medical spaces is paramount for the detection of key health issues, as is the necessity to minimise glare and flicker in a business space to maximise productivity.



**FUNCTION**

Safety in industrial work spaces is essential.

Delivering quality products to ensure our solutions meet legislative requirements as well as achieve significant energy savings is our priority.



**FOCUS**

Highlighting the unique selling point of retail brands, products and services through lighting is essential for a retail brand's products and services.

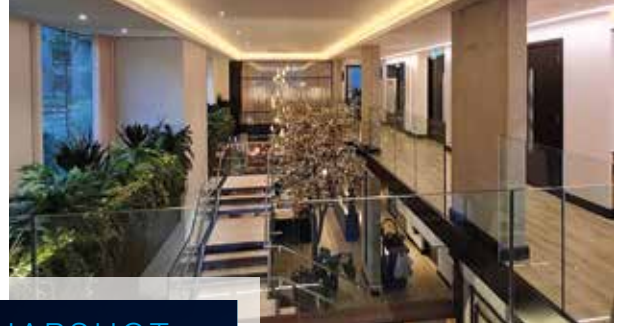
Our specific solutions engage potential retail customers, create a comfortable shopping experience and highlight signature elements of the retailer's brand.

Verticals

# RESIDENTIAL

## Griffith Wood Condominium Complex

Dublin, Republic of Ireland



### A SNAPSHOT

A luxury complex of modern apartments with bright, high ceilings and large windows.

The lighting design needed to complement this to create light open spaces with a warm and comfortable ambience throughout.

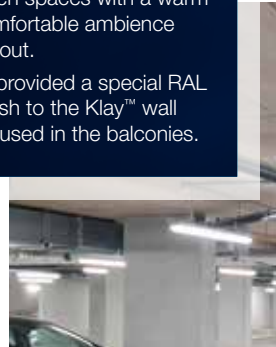
Aurora provided a special RAL grey finish to the Klay™ wall lighting used in the balconies.

### OUTCOME

Mac Electrical Armagh worked with Electrical Equipment in Belfast for all product orders:

*"Aurora provided a wide range of quality products and the end result is modern, luxurious and matches the aesthetic that the client desired."*

- Philip McBirney, M.D., Mac Electrical



**PRODUCTS USED:** LinearPac™ Anti-Corrosives | Commercial Downlights | Klay™ Up/Down Wall Lights

# INDUSTRIAL

## International Industrial End User

Lincoln, United Kingdom



### A SNAPSHOT

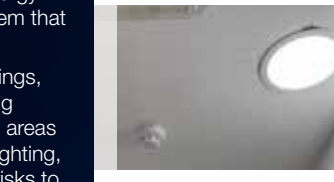
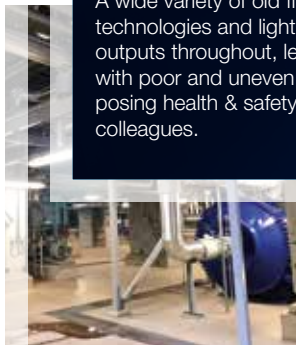
Comprising manufacturing, warehousing and dispatch buildings, this heavy energy user had a lighting system that was on 24 hours a day.

A wide variety of old fittings, technologies and lighting outputs throughout, left areas with poor and uneven lighting, posing health & safety risks to colleagues.

### OUTCOME

Aurora was able to cut lighting bills by >50%, reducing operational maintenance costs by replacing ageing fittings, whilst delivering improved light quality, consistency and coverage throughout.

A safer working environment for colleagues, whilst achieving return on investment in less than 2 years.



**PRODUCTS USED:** BackLite™ Flat Panels | LinearPac™ Anti-Corrosives

## Specialist Eye Hospital

Wilgeheuwel, South Africa

# COMMERCIAL



### A SNAPSHOT

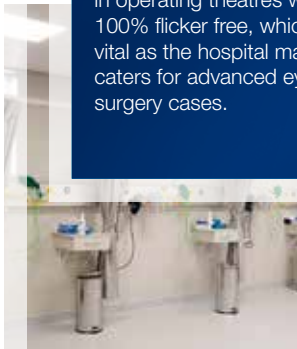
Aurora delivered a simple yet sleek and clean final look as a turnkey lighting solution.

A strict project requirement was that all luminaires installed in operating theatres were 100% flicker free, which was vital as the hospital mainly caters for advanced eye surgery cases.

### OUTCOME

“Our new hospital required high quality lighting and a unique scheme to align with the modern environment. With Aurora’s attention to detail, from consultation to installation, we have managed to achieve this. We couldn’t be happier with the result.”

- Nicola van der Westhuizen,  
Group OPS Manager



**PRODUCTS USED:** Commercial Downlights & CurveE™ Downlights | BackLite™ Flat Panels | Bulkheads | LinearPac™ Anti-Corrosives

## Smyths Toy Superstore

Dublin, Ireland

# RETAIL



### A SNAPSHOT

Although the site has false ceilings, it was impossible to recess fittings on the first floor. Aurora designed a new layout which limited the need for construction work to ceilings.

The only challenging aspect was that all works were to be undertaken at night, so as not to disrupt the daily workings of this fully operational store.

### OUTCOME





Upgrading all old fittings to LED increased light levels to 750-1000lux, and reduced lighting energy consumption to 23,000W from over 60,000W.

Smyths was the perfect refurbishment project, with MMK Electrical Ltd. installing an excellent surface and suspension mounted solution, laser levelled on all products.



**PRODUCTS USED:** BackLite™ Flat Panels | Surface Mount Kits | Uni-Fit™ Commercial Downlights | ICE™ Lamps

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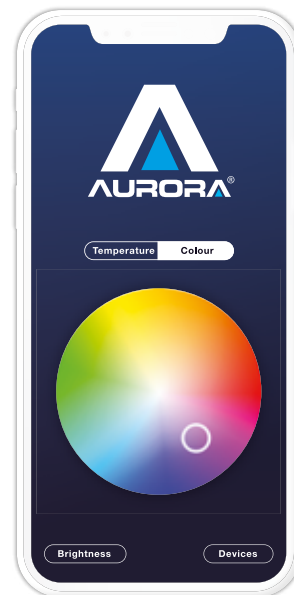


Battery Rotary Controller



### Why choose connect.control™ Bluetooth solution?

- Works straight out of the box
- An internet connection is not required
- Reliable and local wireless technology
- Cost effective smart solution for the home
- Featuring Bluetooth 4.2 protocol for high speed control
- Aurora BLE App available for extra functionality control





Connect.Control<sup>™</sup>

# Fire Rated Downlights



# FEATURE PRODUCTS

**NEW**



**R Series™**

**PRO Range**

Colour & Wattage Switchable  
Fixed / Adjustable / Baffled  
Up to 750lm

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**mPRO™**

**PRO Range**

Convertible  
Fixed / Adjustable / Baffled  
Up to 640lm

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**EFD™ PRO**

**PRO Range**

Interchangeable Flat Bezels  
Fixed / Adjustable  
GU10

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**EFD™**

**LITE Range**

Push-Fit Terminals  
Fixed / Adjustable  
GU10

pg.30

Fire Rated Downlights

## SUPER QUICK **TOOL-FREE INSTALLATION**

UP TO 36 COMBINATIONS

Up to 107lm/W



FIXED

ADJUSTABLE

BAFFLE

### Wattage Switchable

4W & 6W

(AU-R6CWSFF)

(AU-R62CWSFF)

### Colour Switchable

3000K, 4000K & 5700K



## EVEN MORE CHOICE



**The RSeries** is the latest addition to the Aurora fire rated portfolio. The product range includes single colour, colour switchable plus colour and wattage switchable versions for maximum versatility.

**Expanding the series is the new adjustable colour and wattage switchable R6™CWS.**

Each is supplied with a super slim white IP65 polycarbonate bezel, with matt black, polished chrome and satin nickel options available.

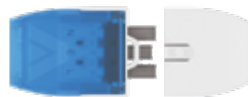


Scan to watch  
Installer Video

### FAST R FIX™

**Screwless cable strain relief**  
Simply close the cap to secure the cables

**Loop in, loop out push terminals**  
Fast wiring of either solid or stranded cable



#### FastRFix™ connector

Loop in, loop out push terminals and screwless cable strain relief for faster installation.

(AU-R6FF, AU-R6CSFF, AU-R6CWSFF, AU-R62CWSFF)



#### Detachable remote LED driver

Colour-coded push terminals and screwless cable strain relief allows for fast installation.

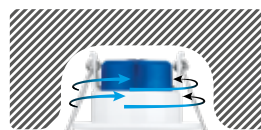
(AU-R6, AU-R6CS, AU-R6CWS)



#### Shallow in height

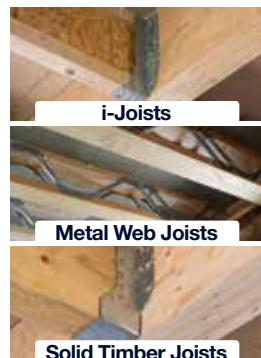
Low profile downlights and remote drivers allow for use in shallow voids up to 50mm.

(ADJUSTABLE: 63mm. BAFFLED: 75mm)



#### Insulation coverable

Downlight and driver are insulation coverable - no accessory or insulation cut-out is required.



#### Tested for use with i-joists, metal web & solid timber joists

For further information please visit [auroralighting.com/gb/trade/ijoist](http://auroralighting.com/gb/trade/ijoist)



**R6™**

Single Colour Fixed Fire Rated Downlights

- Fitted with FastRFix™ connector for ease of installation and circuit testing
- Loop in loop out push-fit wiring terminals
- Low profile design for shallow ceiling voids (50mm)
- Supplied with white IP65 polycarbonate bezel
- Insulation coverable
- Patented fire rated downlight without intumescent
- Fire, acoustic and air leakage rated
- Tested in 30, 60 and 90 minute solid timber joist, plus 30 minute i-joists and metal web joist

3 hour Emergency pack AU-FRLM10EMB available.



**FASTRFIX™**



Push-Fit Wiring Terminals



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cutout [Ø]
<b>R6™ Triac Dimmable Fixed (IP65 when used with IP65 bezel)</b>						
<b>AU-R6FF/30</b>	6W	3000K	580lm	97	60°	70mm
<b>AU-R6FF/40</b>	6W	4000K	620lm	103	60°	70mm

Bezel Options

- AU-R6BZ\*** R6™ Fixed IP65 Polycarbonate Bezel
- AU-AP600†** mPro™ & R Series™ Fixed Fire Rated Adaptor Plate 85-145mm

\*Add suffix **MB**, **PC** or **SN** for Matt Black, Polished Chrome or Satin Nickel finishes.  
 †Add suffix **W**, **MW**, **PC** or **SN** or for White, Matt White, Polished Chrome or Satin Nickel finishes.  
 3 hour Emergency pack AU-FRLM10EMB available.



5 Year Warranty

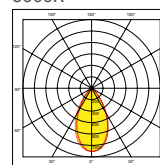
L70 40,000hrs

Triac dimmable as standard

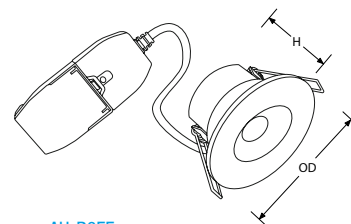
Emergency option

IP65 Polycarbonate  
 Polished Chrome, Satin  
 Nickel and Matt Black  
 bezel options

3000K



Recess Depth 50mm



**AU-R6FF**

(H) 50mm Height  
 (OD) 88mm Overall (Ø)

5 Year Warranty

L70 50,000hrs

Triac dimmable as standard

Emergency option

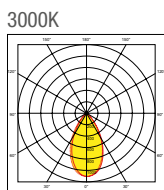
IP65 Polycarbonate  
Polished Chrome, Satin  
Nickel and Matt Black  
bezel options

# R6™

## Single Colour Fixed Fire Rated Downlights

Supplied with detachable remote driver  
Colour coded loop in loop out push-fit wiring terminals  
Low profile design for shallow ceiling voids (50mm)  
Supplied with white IP65 polycarbonate bezel  
Insulation coverable  
Patented fire rated downlight without intumescent  
Fire, acoustic and air leakage rated  
Tested in 30, 60 and 90 minute solid timber joist, plus  
30 minute i-joists and metal web joist

**3 hour Emergency pack AU-FRLM10EMB available.**



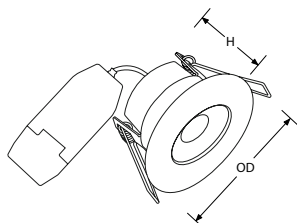
Remote Driver



Push-Fit Wiring  
Terminals



Recess Depth 50mm



AU-R6

(H) 50mm Height  
(OD) 88mm Overall (Ø)



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cutout [Ø]
<b>R6™ Triac Dimmable Fixed (IP65 when used with IP65 bezel)</b>						
<b>AU-R6/30</b>	6W	3000K	580lm	97	60°	70mm
<b>AU-R6/40</b>	6W	4000K	620lm	103	60°	70mm

### Bezel Options

- AU-R6BZ\*** R6™ Fixed IP65 Polycarbonate Bezel
- AU-AP600†** mPro™ & R Series™ Fixed Fire Rated Adaptor Plate 85-145mm

\*Add suffix **MB**, **PC** or **SN** for Matt Black, Polished Chrome or Satin Nickel finishes.

†Add suffix **W**, **MW**, **PC** or **SN** or for White, Matt White, Polished Chrome or Satin Nickel finishes.

**3 hour Emergency pack AU-FRLM10EMB available.**



# R6<sup>TM</sup>cs

## Colour Switchable Fixed Fire Rated Downlight

Fitted with FastRFix<sup>TM</sup> connector for ease of installation and circuit testing

Loop in loop out push-fit wiring terminals

Colour switchable between 3000K, 4000K and 5700K

Low profile design for shallow ceiling voids (50mm)

Supplied with white IP65 polycarbonate bezel

Insulation coverable

Patented fire rated downlight without intumescent

Fire, acoustic and air leakage rated

Tested in 30, 60 and 90 minute solid timber joist, plus 30 minute i-joists and metal web joist



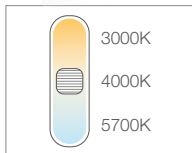
3 hour Emergency pack AU-FRLM10EMB available.



**FASTRFIX<sup>TM</sup>**



Push-Fit Wiring Terminals



Colour Switchable



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cutout [Ø]
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R6CS<sup>TM</sup> Colour Switchable Triac Dimmable Fixed (IP65 when used with IP65 Bezel)

<b>AU-R6CSFF</b>	6W	3000-5700K	620lm	103	60°	70mm
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### Bezel Options

**AU-R6BZ\*** R6<sup>TM</sup> Fixed IP65 Polycarbonate Bezel

**AU-AP600†** mPro<sup>TM</sup> & R Series<sup>TM</sup> Fixed Fire Rated Adaptor Plate 85-145mm

\*Add suffix **MB**, **PC** or **SN** for Matt Black, Polished Chrome or Satin Nickel finishes.

†Add suffix **W**, **MW**, **PC** or **SN** for White, Matt White, Polished Chrome or Satin Nickel finishes.

3 hour Emergency pack AU-FRLM10EMB available.

Lumen value based on 4000K



5 Year Warranty

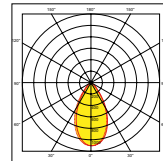
L70 40,000hrs

Triac dimmable as standard

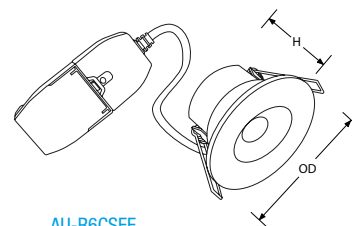
Emergency option

IP65 Polycarbonate  
Polished Chrome, Satin  
Nickel and Matt Black  
bezel options

4000K



Recess Depth 50mm



**AU-R6CSFF**

(H) 50mm Height

(OD) 88mm Overall (Ø)

5 Year Warranty

L70 50,000hrs

Triac dimmable as standard

Emergency option

IP65 Polycarbonate  
Polished Chrome, Satin  
Nickel and Matt Black  
bezel options

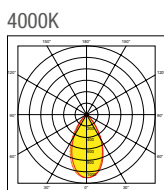
# R6cs™

## Colour Switchable Fixed Fire Rated Downlight

- Supplied with detachable remote driver
- Colour coded loop in loop out push-fit wiring terminals
- Colour switchable between 3000K, 4000K and 5700K
- Low profile design for shallow ceiling voids (50mm)
- Supplied with white IP65 polycarbonate bezel
- Insulation coverable
- Patented fire rated downlight without intumescent
- Fire, acoustic and air leakage rated
- Tested in 30, 60 and 90 minute solid timber joist, plus 30 minute i-joists and metal web joist



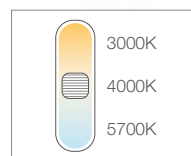
3 hour Emergency pack AU-FRLM10EMB available.



### Remote Driver



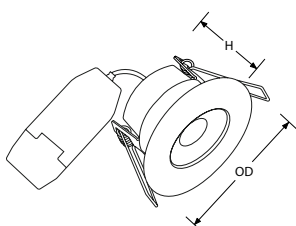
Push-Fit Wiring  
Terminals



Colour Switchable



Recess Depth 50mm



### AU-R6CS

(H) 50mm Height  
(OD) 88mm Overall (Ø)



Cat. No. Watts Colour Lumens lm/W Beam Cutout [Ø]

R6CS™ Colour Switchable Triac Dimmable Fixed (IP65 when used with IP65 Bezel)

**AU-R6CS** 6W 3000-5700K 640lm 107 60° 70mm

### Bezel Options

**AU-R6BZ\*** R6™ Fixed IP65 Polycarbonate Bezel

**AU-AP600†** mPro™ & R Series™ Fixed Fire Rated Adaptor Plate 85-145mm

\*Add suffix **MB**, **PC** or **SN** for Matt Black, Polished Chrome or Satin Nickel finishes.

†Add suffix **W**, **MW**, **PC** or **SN** or for White, Matt White, Polished Chrome or Satin Nickel finishes.

**3 hour Emergency pack AU-FRLM10EMB available.**

Lumen value based on 4000K



# R6<sup>TM</sup>cws

## Colour & Wattage Switchable Fixed Fire Rated Downlight

- Fitted with FastRFix™ connector for ease of installation and circuit testing
- Loop in loop out push-fit wiring terminals
- Colour switchable between 3000K, 4000K and 5700K
- Wattage switchable between 4W and 6W
- Low profile design for shallow ceiling voids (50mm)
- Supplied with white IP65 polycarbonate bezel
- Insulation coverable
- Patented fire rated downlight without intumescent
- Fire, acoustic and air leakage rated
- Tested in 30, 60 and 90 minute solid timber joist, plus 30 minute i-joists and metal web joist



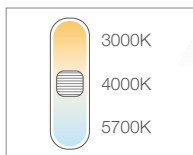
3 hour Emergency pack AU-FRLM10EMB available.



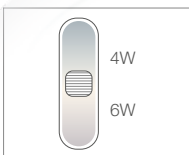
**FASTRFIX™**



Push-Fit Wiring Terminals



Colour Switchable



Wattage Switchable



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cutout [Ø]
<b>R6CWS™ Colour &amp; Wattage Switchable Triac Dimmable Fixed (IP65 when used with IP65 Bezel)</b>						
<b>AU-R6CWSFF</b>	4W	3000-5700K	420lm	105	60°	70mm
	6W	3000-5700K	620lm	103	60°	70mm

### Bezel Options

- AU-R6BZ\*** R6™ Fixed IP65 Polycarbonate Bezel
- AU-AP600†** mPro™ & R Series™ Fixed Fire Rated Adaptor Plate 85-145mm

\*Add suffix **MB**, **PC** or **SN** for Matt Black, Polished Chrome or Satin Nickel finishes.  
 †Add suffix **W**, **MW**, **PC** or **SN** for White, Matt White, Polished Chrome or Satin Nickel finishes.  
**3 hour Emergency pack AU-FRLM10EMB available.**  
 Lumen value based on 4000K



5 Year Warranty

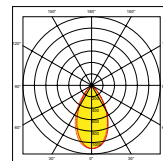
L70 40,000hrs

Triac dimmable as standard

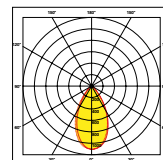
Emergency option

IP65 Polycarbonate  
 Polished Chrome, Satin  
 Nickel and Matt Black  
 bezel options

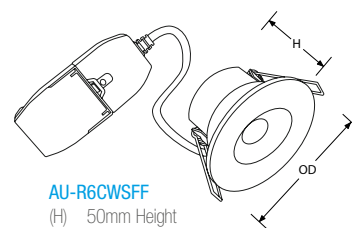
4W 4000K



6W 4000K



Recess Depth 50mm



**AU-R6CWSFF**

(H) 50mm Height  
 (OD) 88mm Overall (Ø)

5 Year Warranty

L70 50,000hrs

Triac dimmable as standard

Emergency option

IP65 Polycarbonate  
Polished Chrome, Satin  
Nickel and Matt Black  
bezel options

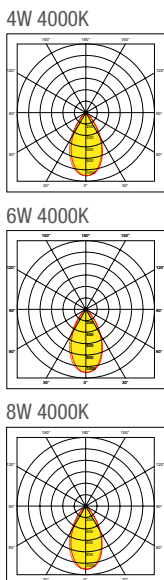
# R6<sup>TM</sup>cws

## Colour & Wattage Switchable Fixed Fire Rated Downlight

Supplied with detachable remote driver  
Colour coded loop in loop out push-fit wiring terminals  
Colour switchable between 3000K, 4000K and 5700K  
Wattage switchable between 4W, 6W and 8W  
Low profile design for shallow ceiling voids (50mm)  
Supplied with white IP65 polycarbonate bezel  
Insulation coverable  
Patented fire rated downlight without intumescent  
Fire, acoustic and air leakage rated  
Tested in 30, 60 and 90 minute solid timber joist, plus 30 minute i-joists and metal web joist



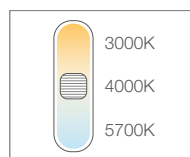
3 hour Emergency pack AU-FRLM10EMB available.



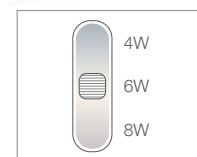
### Remote Driver



Push-Fit Wiring  
Terminals



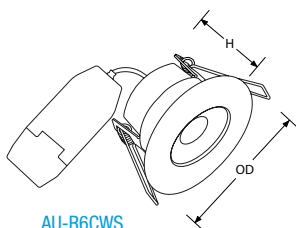
Colour Switchable



Wattage Switchable



Recess Depth 50mm



AU-R6CWS

(H) 50mm Height  
(OD) 88mm Overall (Ø)



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cutout [Ø]
<b>R6CWS™ Colour &amp; Wattage Switchable Triac Dimmable Fixed (IP65 when used with IP65 Bezel)</b>						
<b>AU-R6CWS</b>	4W	3000-5700K	420lm	105	60°	70mm
	6W	3000-5700K	620lm	103	60°	70mm
	8W	3000-5700K	750lm	94	60°	70mm

### Bezel Options

**AU-R6BZ\*** R6™ Fixed IP65 Polycarbonate Bezel

**AU-AP600†** mPro™ & R Series™ Fixed Fire Rated Adaptor Plate 85-145mm

\*Add suffix **MB**, **PC** or **SN** for Matt Black, Polished Chrome or Satin Nickel finishes.

†Add suffix **W**, **MW**, **PC** or **SN** for White, Matt White, Polished Chrome or Satin Nickel finishes.

**3 hour Emergency pack AU-FRLM10EMB available.**

Lumen value based on 4000K



# R6™ CWS

## Colour & Wattage Switchable Adjustable Fire Rated Downlight

- Fitted with FastRFix™ connector for ease of installation and circuit testing
- Loop in loop out push-fit wiring terminals
- Colour switchable between 3000K, 4000K and 5700K
- Wattage switchable between 4W and 6W
- Supplied with white IP65 polycarbonate bezel
- Insulation coverable
- Patented fire rated downlight without intumescent
- Fire, acoustic and air leakage rated
- Tested in 30, 60 and 90 minute solid timber joist, plus 30 minute i-joists and metal web joist



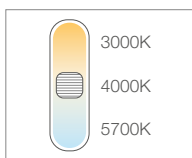
3 hour Emergency pack AU-FRLM10EMB available.



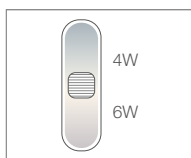
### FASTRFIX™



Push-Fit Wiring  
Terminals



Colour Switchable



Wattage Switchable



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Horz.Adj	Cutout [Ø]
<b>R6CWS™ Colour &amp; Wattage Switchable Triac Dimmable Adj (IP65 when used with IP65 Bezel)</b>							
<b>AU-R62CWSFF</b>	4W	3000-5700K	420lm	105	60°	20°	70mm
	6W	3000-5700K	620lm	103	60°	20°	70mm

#### Bezel Options

**AU-R62BZ\*** R6™CWS Adjustable IP65 Polycarbonate Bezel

\*Add suffix **MB**, **PC** or **SN** for Matt Black, Polished Chrome or Satin Nickel finishes.

**3 hour Emergency pack AU-FRLM10EMB available.**

Lumen value based on 4000K



5 Year Warranty

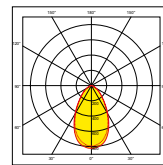
L70 40,000hrs

Triac dimmable as  
standard

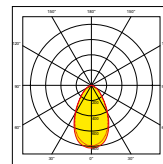
Emergency option

IP65 Polycarbonate  
Polished Chrome, Satin  
Nickel and Matt Black  
bezel options

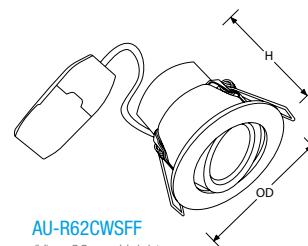
4W 4000K



6W 4000K



Recess Depth 63mm



**AU-R62CWSFF**

(H) 63mm Height

(OD) 88mm Overall (Ø)

# R6<sup>TM</sup>cws

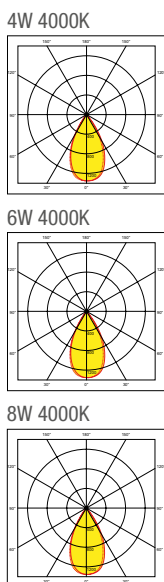
## Colour & Wattage Switchable Baffled Fixed Fire Rated Downlight

- 5 Year Warranty
- L70 50,000hrs
- Triac dimmable as standard
- Emergency option
- IP65 Polycarbonate
- Polished Chrome, Satin Nickel and Matt Black bezel options

- Supplied with detachable remote driver
- Colour coded loop in loop out push-fit wiring terminals
- Baffled design to reduce direct glare
- Colour switchable between 3000K, 4000K and 5700K
- Wattage switchable between 4W, 6W and 8W
- Supplied with white IP65 polycarbonate bezel
- Insulation coverable
- Patented fire rated downlight without intumescent
- Fire, acoustic and air leakage rated
- Tested in 30, 60 and 90 minute solid timber joist, plus 30 minute i-joists and metal web joist



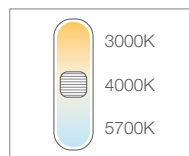
3 hour Emergency pack AU-FRLM10EMB available.



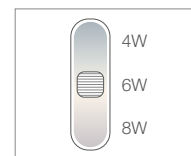
### Remote Driver



Push-Fit Wiring  
Terminals



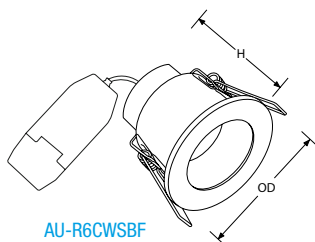
Colour Switchable



Wattage Switchable



Recess Depth 75mm



AU-R6CWSBF

(H) 75mm Height  
(OD) 88mm Overall (Ø)



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cutout [Ø]
<b>R6CWS<sup>TM</sup> Colour &amp; Wattage Switchable Baffle Triac Dimmable Fixed (IP65 when used with IP65 Bezel)</b>						
<b>AU-R6CWSBF</b>	4W	3000-5700K	300lm	75	55°	75mm
	6W	3000-5700K	450lm	75	55°	75mm
	8W	3000-5700K	560lm	70	55°	75mm

### Bezel Options

**AU-R6BFZ\*** R6<sup>TM</sup> Fixed IP65 Polycarbonate Baffled Downlight Bezel

\*Add suffix **MB**, **PC** or **SN** for Matt Black, Polished Chrome or Satin Nickel finishes.

**3 hour Emergency pack AU-FRLM10EMB available.**

Lumen value based on 4000K



Unique convertible design to fit ceiling voids as shallow as 50mm  
 LEDchroic™ lens for anti-glare and precise beam control  
 Insulation coverable  
 Patented fire rated downlight with intumescent  
 Interchangeable IP65 bezel for fixed version (sold separately)  
 IP65 rated for fixed and adjustable option  
 Fire, acoustic and air leakage rated  
 Tested in 30, 60 and 90 minute solid timber joist, plus 30 minute  
 i-joists and metal web joist

3 hour Emergency pack AU-FRLM10EMB available.



Fixed IP65



Adjustable IP65



Air leakage  
(excluding  
adjustable)

Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cutout [Ø]
<b>mPRO™ Triac Dimmable Fixed (IP65 when used with IP65 Bezel)</b>						
<b>AU-MPRO1A/27</b>	6W	2700K	560lm	93	60°	70mm
<b>AU-MPRO1A/30</b>	6W	3000K	600lm	100	60°	70mm
<b>AU-MPRO1A/40</b>	6W	4000K	640lm	107	60°	70mm
<b>mPRO™ Triac Dimmable IP65 Adjustable</b>						
<b>AU-MPRO2A*/30</b>	6W	3000K	610lm	102	60°	85mm
<b>AU-MPRO2A*/40</b>	6W	4000K	640lm	107	60°	85mm

### Bezel Options

- AU-BZ600\*** mPro™ Fixed IP65 Aluminium Downlight Bezel
- AU-AP600†** mPro™ & R Series™ Fixed Fire Rated Adaptor Plate 85-145mm
- AU-BZ605W** mPro™ Fixed Slimtrim Aluminium Baffle Bezel
- AU-MPROTL\*\*** mPro™ Fixed Trimless Aluminium Bezel

†Add suffix **W**, **MW**, **PC**, **SN** or **BLK** for White, Matt White, Polished Chrome, Satin Nickel or Black finishes.

\*Add suffix **W**, **MW**, **PC** or **SN** for White, Matt White, Polished Chrome or Satin Nickel finishes.

\*\*Add suffix **W** or **BLK** for White or Black finishes.

3 hour Emergency pack AU-FRLM10EMB available.



7 Year Warranty

L70 70,000hrs

Triac dimmable as standard

Emergency option

White, Matt White, Polished  
Chrome & Satin Nickel IP65  
Aluminium bezel options

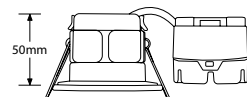
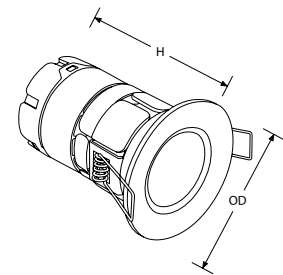
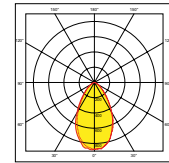
White slimtrim bezel option

Black or White trimless  
bezel options

Convertible design for  
shallow ceiling voids  
(down to 50mm)

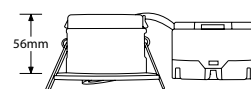


AU-MPRO1A



**AU-MPRO1A**

(H) 100mm Height  
(OD) 88mm Overall (Ø)



**AU-MPRO2A**

(H) 100mm Height  
(OD) 98mm Overall (Ø)

**mPRO™**

**Baffled Fire Rated Downlights**

- Unique convertible design to fit ceiling voids of 76mm
- Baffled design to reduce direct glare
- LEDchroic™ lens for anti-glare and precise beam control
- Insulation coverable
- Patented fire rated downlight with intumescent UGR15
- Interchangeable IP65 bezel (sold separately)
- Fire, acoustic and air leakage rated
- Tested in 30 and 60 minute solid timber joist

7 Year Warranty

L70 70,000hrs

Triac dimmable as standard

Emergency option

White, Matt White, Polished

Chrome & Satin Nickel IP65

Aluminium bezel options

White slimtrim bezel option

Black or White trimless bezel options

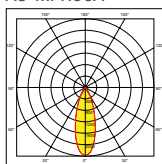


3 hour Emergency pack AU-FRLM10EMB available.

Convertible design for shallow ceiling voids (down to 76mm)



AU-MPRO5A



Air leakage

Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cutout [Ø]
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**mPRO™ Triac Dimmable IP65 Baffle**

<b>AU-MPRO5A/30</b>	6W	3000K	480lm	80	40°	72mm
<b>AU-MPRO5A/40</b>	6W	4000K	500lm	83	40°	72mm

**Bezel Options**

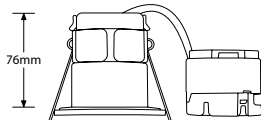
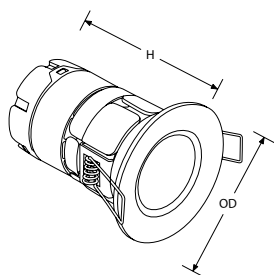
<b>AU-BZ600*</b>	mPro™ Fixed IP65 Aluminium Downlight Bezel
<b>AU-AP600†</b>	mPro™ & R Series™ Fixed Fire Rated Adaptor Plate 85-145mm
<b>AU-BZ605W</b>	mPro™ Fixed Slimtrim Aluminium Baffle Bezel
<b>AU-MPROTL**</b>	mPro™ Fixed Trimless Aluminium Bezel

†Add suffix **W**, **MW**, **PC**, **SN** or **BLK** for White, Matt White, Polished Chrome, Satin Nickel or Black finishes.

\*Add suffix **W**, **MW**, **PC** or **SN** for White, Matt White, Polished Chrome or Satin Nickel finishes.

\*\*Add suffix **W** or **BLK** for White or Black finishes.

3 hour Emergency pack AU-FRLM10EMB available.



AU-MPRO5A

(H) 120mm Height  
(OD) 88mm Overall (Ø)

## INTERCHANGEABLE BEZELS PUSH-FIT TERMINALS

30 MIN 60 MIN 90 MIN Air leakage



- White
- Matt White
- Polished Chrome
- Satin Nickel

EN-BZF91 Fixed Flat Bezel

EN-BZF93 Fixed IP65 Flat Bezel

EN-BZF92 Adjustable Flat Bezel



Scan to watch joist video

PRO Range

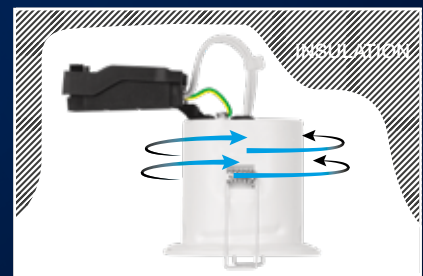
Fire Rated Downlights



Suitable for use with i-joists, metal web & solid timber joists  
Visit [auroralighting.com/gb/trade/ijoist](http://auroralighting.com/gb/trade/ijoist)



Screwless cable strain relief with push-fit loop in loop out terminals for either solid or stranded cable



**Insulation Coverable**

- No accessory required
- No insulation cut-out required

5 Year Warranty

White, Matt White, Polished  
Chrome & Satin Nickel  
bezel finish options

# EFD<sup>TM</sup> PRO

## Fixed/Adjustable Fire Rated Downlights

Fitted with push-fit terminal block for faster installation

Insulation coverable

Fire, acoustic and air leakage rated

Tested in 30, 60 and 90 minute solid timber joist, plus  
30 minute i-joists and metal web joist



### Smart Lamps

**Bluetooth**  
Lamp option  
See pg.181



### Pro/Lite Lamps

**ICE<sup>TM</sup>**  
Lamp options  
See pg.57

**ClearVu<sup>TM</sup>**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



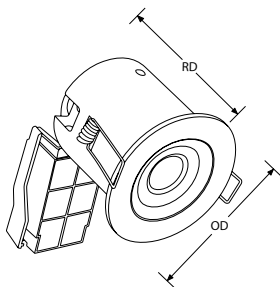
Fixed



Adjustable



Fixed IP65



**EN-DLM981X**  
(H) 107mm Height  
(OD) 90mm Overall (Ø)

**EN-DLM982X**  
(H) 120mm Height  
(OD) 102mm Overall (Ø)



Cat. No.	Input	Horz. Adj.	Cutout (Ø)
<b>Fixed/IP65</b>			
<b>EN-DLM981X</b>	240V	-	75mm
<b>Adjustable</b>			
<b>EN-DLM982X</b>	240V	20°	85mm
<b>Bezels</b>			
<b>EN-BZF91*</b>	EFD <sup>TM</sup> PRO Fixed Aluminium Flat Bezel (EN-DLM981X)		
<b>EN-BZF92*</b>	EFD <sup>TM</sup> PRO Adjustable Aluminium Flat Bezel (EN-DLM982X)		
<b>EN-BZF93*</b>	EFD <sup>TM</sup> PRO Fixed IP65 Aluminium Flat Bezel (EN-DLM981X)		

\*Add suffix **W**, **MW**, **PC** or **SN** for White, Matt White, Polished Chrome or Satin Nickel finishes.





## Fire Rated Downlights

- Loop in loop out terminal block for quick and easy installation
- Pressed steel body with aluminium bezel
- Insulation coverable - with LED lamps only
- Patented fire rated downlight with intumescent
- Fire, acoustic and air leakage rated
- Tested in 30, 60 and 90 minute solid timber joist, plus 30 minute i-joist and metal web joist

# LITE Range

3 Year Warranty

White, Polished Chrome & Satin Nickel finish options



### Smart Lamps

**Bluetooth**  
Lamp option  
See pg.181



### Pro/Lite Lamps

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



Fixed



Adjustable



Fixed IP65

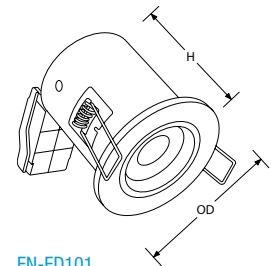


Air leakage  
(excluding  
adjustable)

Cat. No.	Input	Horz. Adj.	Cutout (Ø)
<b>Fixed</b>			
<b>EN-FD101W</b>	240V	-	75mm
<b>EN-FD101PC</b>	240V	-	75mm
<b>EN-FD101SN</b>	240V	-	75mm
<b>Adjustable</b>			
<b>EN-FD102W</b>	240V	28°	90mm
<b>EN-FD102PC</b>	240V	28°	90mm
<b>EN-FD102SN</b>	240V	28°	90mm
<b>IP65</b>			
<b>EN-FD103W</b>	240V	-	75mm
<b>EN-FD103PC</b>	240V	-	75mm
<b>EN-FD103SN</b>	240V	-	75mm



Connector with push-fit loop in/loop out terminals suitable for use with solid or stranded cable



**EN-FD101**  
(H) 125mm Height  
(OD) 87mm Overall (Ø)

**EN-FD102**  
(H) 130mm Height  
(OD) 100mm Overall (Ø)

**EN-FD103**  
(H) 130mm Height  
(OD) 87mm Overall (Ø)



3 Year Warranty

White or Matt  
White finish options

**EFD™**

**Baffled Fire Rated Downlights**

- Pressed steel body with aluminium bezel
- Black baffle designed to reduce direct glare
- Lock ring for ease of lamp replacement
- Insulation coverable - when used with insulation cap (included)
- Patented fire rated downlight with intumescent
- Fire, acoustic and air leakage rated
- Tested in 30, 60 and 90 minute solid timber joist



**Smart Lamps**

**Bluetooth**  
Lamp option  
See pg.181

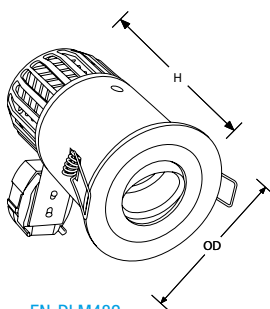


**Pro/Lite Lamps**

**ICE™** Lamp options  
See pg.57

**ClearVu™** Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



**EN-DLM482**

(H) 135mm Height  
(OD) 95mm (Ø) Enc.



Air leakage  
(excluding adjustable)

Cat. No.	Input	Horz. Adj.	Cutout (Ø)
<b>Adjustable Baffle</b>			
<b>EN-DLM482MWB</b>	240V	20°	80mm
<b>EN-DLM482WB</b>	240V	20°	80mm

Suffix **WB** or **MWB** for White or Matt White finishes.



# Downlights



# FEATURE PRODUCTS

**NEW**



**LumiCS™**

**PRO Range**  
Colour Switchable  
Opal Diffuser  
Up to 4210lm

pg.35



**ReflectCS™**

**PRO Range**  
Colour Switchable  
Multifaceted Reflector  
Up to 3600lm

pg.36

**NEW**



**ELumi™**

**LITE Range**  
Polycarbonate Body  
Opal Diffuser  
Up to 3730lm

pg.37



**PavoCWS™**

**PRO Range**  
Colour & Wattage Switchable  
Adjustable Cutout  
Up to 1450lm

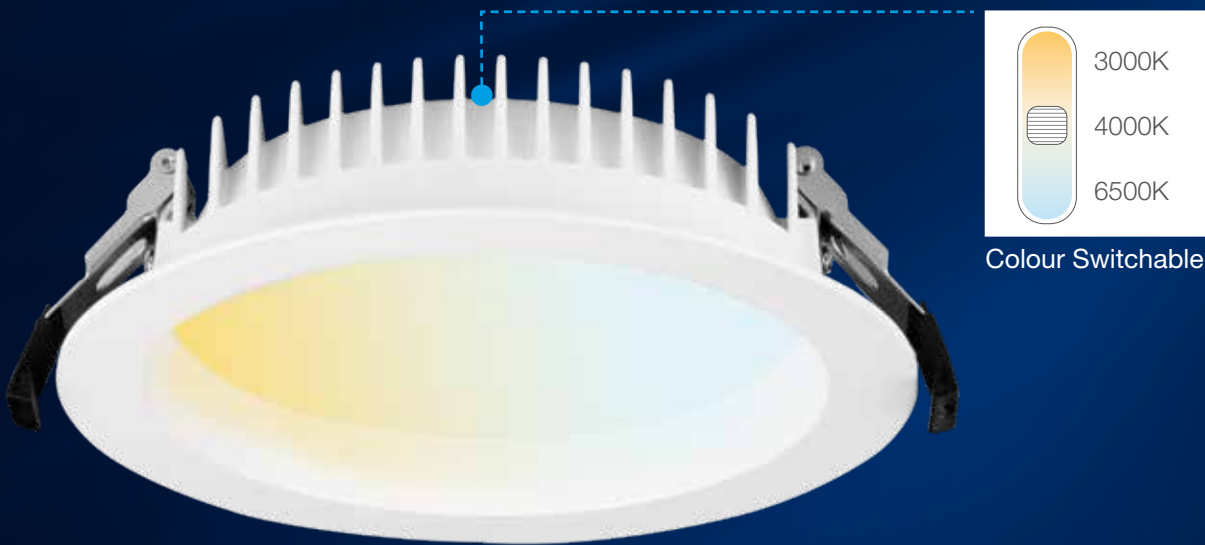
pg.39

Downlights

## VERSATILE DOWNLIGHT, **COLOUR SWITCHABLE** Up to 129lm/W

**PRO**  
Range

Downlights



Colour Switchable

3000K

4000K

6500K



# LumiCS™

## Colour Switchable Aluminium Downlights

Colour switchable between 3000K, 4000K and 6500K

IP54 rated

Opal diffuser for even light distribution

Supplied with remote triac dimmable constant current driver



5 Year Warranty

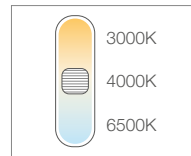
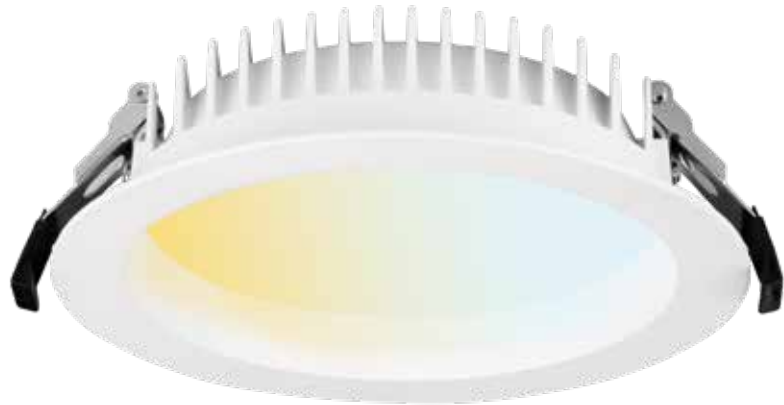
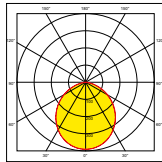
L80 50,000hrs

Triac dimmable as standard,  
1-10V & DALI dimmable options

Emergency option

Matt White finish

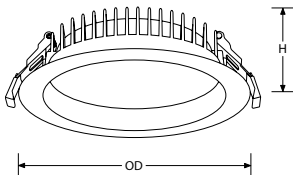
AU-DDLH818CS



Colour Switchable



Side profile



<b>AU-DDLH412CS</b> (H) 53mm Height (OD) 145mm Overall (Ø)	<b>AU-DDLH825CS</b> (H) 53mm Height (OD) 228mm Overall (Ø)
<b>AU-DDLH618CS</b> (H) 53mm Height (OD) 190mm Overall (Ø)	<b>AU-DDLH835CS</b> (H) 53mm Height (OD) 228mm Overall (Ø)
<b>AU-DDLH818CS</b> (H) 53mm Height (OD) 228mm Overall (Ø)	



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cut-out [Ø]
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**Triac Dimmable Colour Switchable**

<b>AU-DDLH412CS*</b>	12W	3000-6500K	1380lm	115	100°	120mm
<b>AU-DDLH618CS*</b>	18W	3000-6500K	2140lm	119	100°	160mm
<b>AU-DDLH818CS*</b>	18W	3000-6500K	2330lm	129	100°	200mm
<b>AU-DDLH825CS*</b>	25W	3000-6500K	3120lm	125	100°	200mm
<b>AU-DDLH835CS*</b>	35W	3000-6500K	4210lm	120	100°	200mm

**Emergency Pack**

<b>AU-EM1EX</b>	3 Hour Maintained Emergency Pack
<b>AU-EM1EXST</b>	3 Hour Maintained Self Test Emergency Pack

\*Add suffix **DA** for DALI or **V** for 1-10V dimmable options

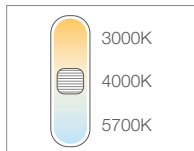
Lumen value based on 4000K



# ReflectCS™

Colour Switchable Aluminium Downlights

- Colour switchable between 3000K, 4000K and 5700K
- Multifaceted aluminium reflector
- UGR19
- IP54 rated
- Supplied with remote triac dimmable constant current driver



Colour Switchable



Side Profile

5 Year Warranty

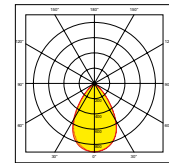
L70 50,000hrs

Triac dimmable as standard,  
1-10V & DALI dimmable options

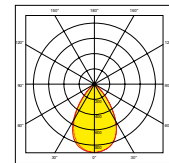
Emergency option

Matt White finish

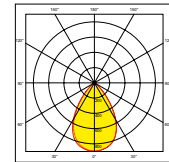
13W 3000K



13W 4000K



13W 5700K



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cut-out [Ø]
<b>Triac Dimmable Colour Switchable</b>						
<b>EN-DDL134CCT*</b>	13W	3000-5700K	1105lm	85	60°	120mm
<b>EN-DDL186CCT*</b>	18W	3000-5700K	1840lm	102	60°	160mm
<b>EN-DDL188CCT*</b>	18W	3000-5700K	1820lm	101	60°	200mm
<b>EN-DDL258CCT*</b>	25W	3000-5700K	2670lm	107	60°	200mm
<b>EN-DDL358CCT*</b>	35W	3000-5700K	3600lm	103	60°	200mm

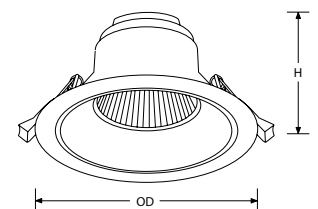
**Emergency Pack**

- EN-DLEM3** 3 Hour Maintained Emergency Pack
- NEW AU-EM1EXST** 3 Hour Maintained Self Test Emergency Pack

\*Add suffix **DA** for DALI or **V** for 1-10V dimmable option  
Lumen value based on 4000K



Excludes  
13W



**EN-DDL134CCT**

(H) 73mm Height  
(OD) 145mm Overall (Ø)

**EN-DDL186CCT**

(H) 90mm Height  
(OD) 190mm Overall (Ø)

**EN-DDL188CCT**

(H) 100mm Height  
(OD) 235mm Overall (Ø)

**EN-DDL258CCT**

(H) 100mm Height  
(OD) 235mm Overall (Ø)

**EN-DDL358CCT**

(H) 100mm Height  
(OD) 235mm Overall (Ø)

5 Year Warranty

L80 50,000hrs

Emergency option

White finish

# ELumi™

## Polycarbonate Downlights

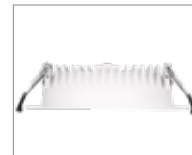
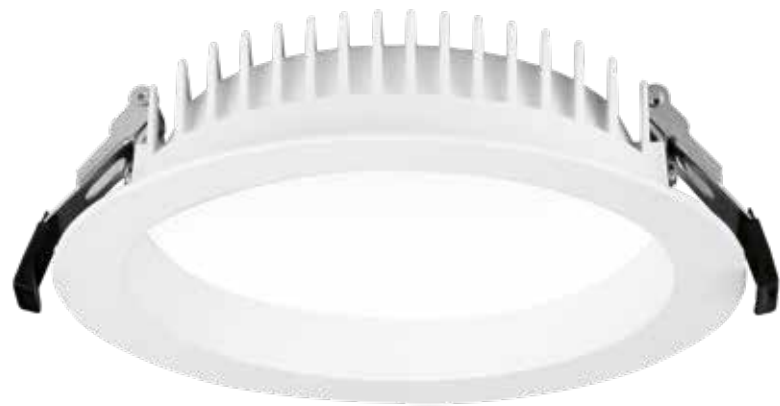
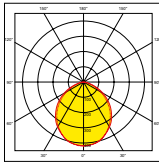
IP54 rated

Opal diffuser for even light distribution

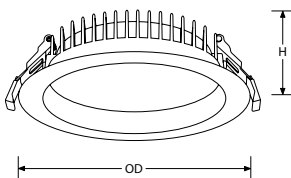
Supplied with remote non-dimmable constant current driver



AU-DLE618



Side Profile



**AU-DLE412**

(H) 53mm Height  
(OD) 145mm Overall (Ø)

**AU-DLE618**

(H) 53mm Height  
(OD) 190mm Overall (Ø)

**AU-DLE825**

(H) 53mm Height  
(OD) 228mm Overall (Ø)

**AU-DLE818**

(H) 53mm Height  
(OD) 228mm Overall (Ø)

**AU-DLE835**

(H) 53mm Height  
(OD) 228mm Overall (Ø)



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cut-out [Ø]
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**Non-Dimmable**

<b>AU-DLE412/40</b>	12W	4000K	1400lm	117	100°	120mm
<b>AU-DLE618/40</b>	18W	4000K	2040lm	113	100°	160mm
<b>AU-DLE818/40</b>	18W	4000K	2345lm	130	100°	200mm
<b>AU-DLE825/40</b>	25W	4000K	3045lm	122	100°	200mm
<b>AU-DLE835/40</b>	35W	4000K	3730lm	107	100°	200mm

**Emergency Pack**

<b>AU-EM1EX</b>	3 Hour Maintained Emergency Pack
<b>AU-EM1EXST</b>	3 Hour Maintained Self Test Emergency Pack



SURFACE OR RECESSED  
WITH ADJUSTABLE CUTOUT

UP TO 108 COMBINATIONS

**COLOUR & WATTAGE SWITCHABLE**

Up to 99lm/W



Adjustable cut-out  
65mm-205mm

3000K

4000K

5700K



PRO Range

Downlights

# PavoCWS™

Colour & Wattage Switchable Aluminium Downlight

5 Year Warranty

L70 50,000hrs

Emergency option

Matt White finish

Colour switchable between 3000K, 4000K and 5700K

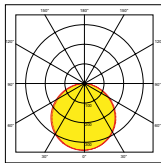
Wattage switchable between 10W, 13W and 16W

Adjustable cutout between 65mm and 205mm

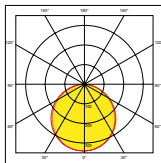
Supplied with integrated non-dimmable driver



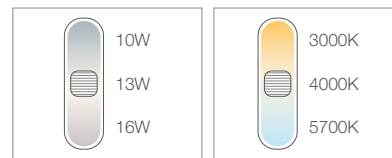
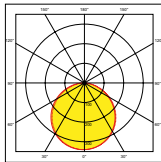
10W 4000K



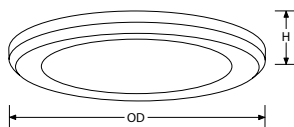
13W 4000K



16W 4000K



Wattage Switchable      Colour Switchable



**EN-CWS1**

(H) 16mm Height  
(OD) 235mm Overall (Ø)

Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cut-out [Ø]
<b>Non-Dimmable Colour &amp; Wattage Switchable</b>						
<b>EN-CWS1</b>	10W	3000-5700K	990lm	99	120°	65-205mm
	13W	3000-5700K	1260lm	97	120°	65-205mm
	16W	3000-5700K	1450lm	91	120°	65-205mm

**Emergency Pack**

**AU-DLEMB2B** 3 Hour Maintained Emergency Pack

Lumen value based on 4000K



# Slim-Fit™

Low Profile Aluminium Downlights

Edge-lit low profile ideal for installations with limited recess space (20mm for downlight, 40mm space for driver)

IP44 rated

Opal diffuser for even light distribution

Supplied with remote non-dimmable constant current driver



Ultra slim 20mm profile, ideal for shallow ceiling voids



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cut-out [Ø]	Triac Dimmable Drivers (sold separately)
<b>Non-Dimmable</b>							
<a href="#">EN-PL06C*/30</a>	6W	3000K	480lm	80	120°	108mm	
<a href="#">EN-PL06C*/40</a>	6W	4000K	530lm	88	120°	108mm	<a href="#">EN-PLDD06C</a>
<a href="#">EN-PL06C*/65</a>	6W	6500K	500lm	83	120°	108mm	
<a href="#">EN-PL09C*/30</a>	9W	3000K	810lm	90	120°	135mm	
<a href="#">EN-PL09C*/40</a>	9W	4000K	900lm	100	120°	135mm	<a href="#">EN-PLDD12C</a>
<a href="#">EN-PL09C*/65</a>	9W	6500K	855lm	95	120°	135mm	
<a href="#">EN-PL12C*/30</a>	12W	3000K	1120lm	93	120°	157mm	
<a href="#">EN-PL12C*/40</a>	12W	4000K	1200lm	100	120°	157mm	<a href="#">EN-PLDD12C</a>
<a href="#">EN-PL12C*/65</a>	12W	6500K	1150lm	96	120°	157mm	
<a href="#">EN-PL18C*/30</a>	18W	3000K	1710lm	95	120°	206mm	
<a href="#">EN-PL18C*/40</a>	18W	4000K	1890lm	105	120°	206mm	<a href="#">EN-PLDD18C</a>
<a href="#">EN-PL18C*/65</a>	18W	6500K	1800lm	100	120°	206mm	
<a href="#">EN-PL24C*/30</a>	24W	3000K	2280lm	95	120°	280mm	
<a href="#">EN-PL24C*/40</a>	24W	4000K	2520lm	105	120°	280mm	<a href="#">EN-PLDD24C</a>
<a href="#">EN-PL24C*/65</a>	24W	6500K	2400lm	100	120°	280mm	

**Emergency Pack**

- [EN-DLEM3](#) 3 Hour Maintained Emergency Pack
- [AU-EM1EXST](#) 3 Hour Maintained Self Test Emergency Pack

\*Add suffix **DA** for DALI or **V** for 1-10V dimmable option (note DALI Emergency - the EM side will not report back)



Excluding 6W

5 Year Warranty

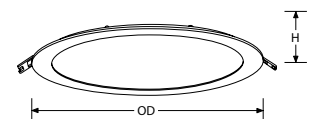
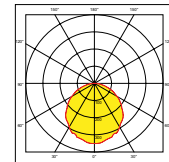
L70 40,000hrs

1-10V, DALI and Triac dimmable options

Emergency option

Matt White finish

EN-PL18C



**EN-PL06C**

(H) 20mm Height  
(OD) 120mm Overall (Ø)

**EN-PL09C**

(H) 20mm Height  
(OD) 150mm Overall (Ø)

**EN-PL12C**

(H) 20mm Height  
(OD) 170mm Overall (Ø)

**EN-PL18C**

(H) 20mm Height  
(OD) 225mm Overall (Ø)

**EN-PL24C**

(H) 20mm Height  
(OD) 300mm Overall (Ø)

# Poly-Slim™

## Low Profile Polycarbonate Downlights

Polycarbonate construction

Edge-lit low profile ideal for installations in limited recess space (21mm for downlight, 40mm space for driver)

Opal polycarbonate diffuser for even light distribution

Supplied with remote non-dimmable constant current driver



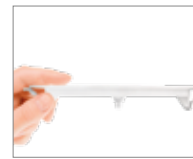
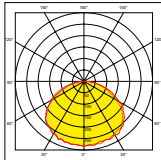
2 Year Warranty

L70 15,000hrs

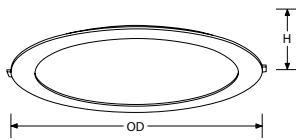
Emergency option

Matt White finish

EN-PLPC18



Ultra slim 21mm profile, ideal for shallow ceiling voids



**EN-PLPC06**

(H) 21mm Height  
(OD) 128mm Overall (Ø)

**EN-PLPC09**

(H) 21mm Height  
(OD) 146mm Overall (Ø)

**EN-PLPC12**

(H) 21mm Height  
(OD) 170mm Overall (Ø)

**EN-PLPC18**

(H) 21mm Height  
(OD) 229mm Overall (Ø)

**EN-PLPC24**

(H) 21mm Height  
(OD) 298mm Overall (Ø)

Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cut-out [Ø]
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**Non-Dimmable**

<b>EN-PLPC06/40</b>	6W	4000K	520lm	83	120°	115mm
<b>EN-PLPC09/40</b>	9W	4000K	850lm	94	120°	130mm
<b>EN-PLPC12/40</b>	12W	4000K	1200lm	100	120°	150mm
<b>EN-PLPC18/40</b>	18W	4000K	1850lm	103	120°	210mm
<b>EN-PLPC24/40</b>	24W	4000K	2500lm	104	120°	280mm

**Emergency Pack**

**EN-DLEM3**

3 Hour Maintained Emergency Pack



**AU-EM1EXST**

3 Hour Maintained Self Test Emergency Pack - 6W-18W



Excluding 6W & 9W

# CurveE™

## CRI80 Baffled Aluminium Downlights

Anti-glare baffle design with recessed light source

UGR19

IP44 rated

Supplied with remote triac dimmable constant current driver



10mm Baffle

20mm Baffle

5 Years Warranty

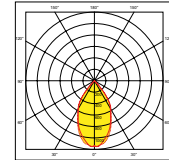
L70 50,000hrs

Triac dimmable as standard,  
1-10V & DALI dimmable options

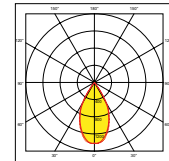
Emergency option

Matt White finish

EN-DLB071D



EN-DLB072D

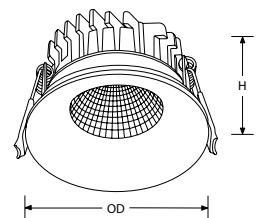


Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Baffle Recess	Cut-out [Ø]
<b>Triac Dimmable</b>							
<b>EN-DLB071D*/30</b>	7W	3000K	640lm	91	60°	10mm	70mm
<b>EN-DLB071D*/40</b>	7W	4000K	680lm	97	60°	10mm	70mm
<b>EN-DLB072D*/30</b>	7W	3000K	575lm	82	60°	20mm	70mm
<b>EN-DLB072D*/40</b>	7W	4000K	615lm	88	60°	20mm	70mm
<b>EN-DLB101D*/30</b>	10W	3000K	920lm	92	60°	10mm	70mm
<b>EN-DLB101D*/40</b>	10W	4000K	970lm	97	60°	10mm	70mm
<b>EN-DLB102D*/30</b>	10W	3000K	820lm	82	60°	20mm	70mm
<b>EN-DLB102D*/40</b>	10W	4000K	880lm	88	60°	20mm	70mm

### Emergency Pack

**AU-DLEMB2B** 3 Hour Maintained Emergency Pack

\*Add suffix **DA** for DALI or **V** for 1-10V dimmable option



**EN-DLB071D**

(H) 50mm Height  
(OD) 80mm Overall (Ø)

**EN-DLB072D**

(H) 65mm Height  
(OD) 85mm Overall (Ø)

**EN-DLB101D**

(H) 60mm Height  
(OD) 80mm Overall (Ø)

**EN-DLB102D**

(H) 80mm Height  
(OD) 85mm Overall (Ø)

5 Year Warranty

L80 50,000hrs

Triac dimmable as standard,  
1-10V & DALI dimmable options

Matt White finish

# CurveE™

## CRI90 Baffled Fixed/Adjustable Aluminium Downlights

Anti-glare baffle design with recessed light source

CRI90 for superior colour representation

UGR19

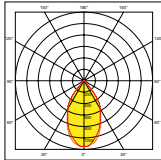
EN-DLB152D - IP44 rated

EN-DLB152AD - IP20 rated

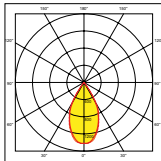
Supplied with remote triac dimmable constant current driver



EN-DLB152D



EN-DLB152AD



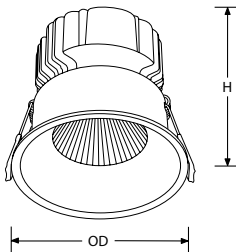
Adjustable



22mm Fixed Baffle



33mm Adjustable Baffle



EN-DLB152D

(H) 90mm Height  
(OD) 98mm Overall (Ø)

EN-DLB152AD

(H) 102mm Height  
(OD) 110mm Overall (Ø)

Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Horz. Adj	Baffle Recess	Cut-out [Ø]
<b>Fixed Triac Dimmable</b>								
<b>EN-DLB152D*/30</b>	15W	3000K	1100lm	73	45°	-	22mm	90mm
<b>EN-DLB152D*/40</b>	15W	4000K	1200lm	80	45°	-	22mm	90mm
<b>Adjustable Triac Dimmable</b>								
<b>EN-DLB152AD*/30</b>	15W	3000K	1100lm	73	45°	20°	33mm	105mm
<b>EN-DLB152AD*/40</b>	15W	4000K	1200lm	80	45°	20°	33mm	105mm

\*Add suffix **DA** for DALI or **V** for 1-10V dimmable option



# Spryte™

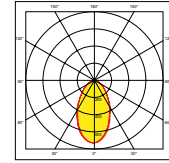
## Fixed/Adjustable Polycarbonate Downlights

- Polycarbonate construction
- ThermoTec™ heat management technology
- Sparkling low glare multifaceted EnFiniti™ lens
- IP44 rated
- Pre-wired with 500mm 2 core cable
- Supplied with integrated driver

- 3 Year Warranty
- L70 25,000hrs
- Triac dimmable option
- Emergency option
- Matt White finish



EN-DL10160B



6W Fixed



10W Fixed

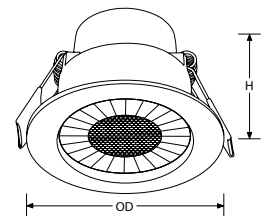


6W Adjustable

**EN-DDL1019** - Supplied with interchangeable Square & Round Bezels



Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Horz.Adj	Cut-out [Ø]
<b>Non-Dimmable Fixed</b>							
<b>EN-DL10160B/30</b>	6W	3000K	550lm	92	60°	-	60mm
<b>EN-DL10160B/40</b>	6W	4000K	600lm	100	60°	-	60mm
<b>Triac Dimmable Fixed</b>							
<b>EN-DDL10160B/30</b>	6W	3000K	550lm	92	60°	-	60mm
<b>EN-DDL10160B/40</b>	6W	4000K	600lm	100	60°	-	60mm
<b>Triac Dimmable Adjustable</b>							
<b>EN-DDL10260B/30</b>	6W	3000K	550lm	92	60°	20°	70mm
<b>EN-DDL10260B/40</b>	6W	4000K	600lm	100	60°	20°	70mm
<b>Triac Dimmable High Output Fixed</b>							
<b>EN-DDL1019/30</b>	10W	3000K	1020lm	102	60°	-	90mm
<b>EN-DDL1019/40</b>	10W	4000K	1100lm	110	60°	-	90mm
<b>Emergency Pack</b>							
<b>AU-FRLM10EMB</b>	3 Hour Maintained Emergency Pack						



**EN-DL10160B**

(H) 56mm Height  
(OD) 78mm Overall (Ø)

**EN-DDL10160B**

(H) 56mm Height  
(OD) 78mm Overall (Ø)

**EN-DDL10260B**

(H) 55mm Height  
(OD) 90mm Overall (Ø)

**EN-DDL1019**

(H) 57mm Height  
(OD) 105mm Overall (Ø)



## Uni-Fit™

### Fixed Polycarbonate Downlights

3 Year Warranty

L70 25,000hrs

Triac dimmable option

Emergency option

White finish

Polycarbonate construction

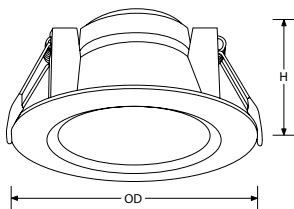
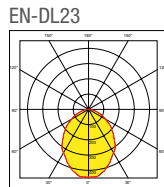
ThermoTec™ heat management technology

IP44 rated

Pre-wired with 500mm 2 core cable

Opal polycarbonate diffuser for even light distribution

Supplied with integrated driver



<b>EN-DDL10</b> (H) 60mm Height (OD) 120mm Overall (Ø)	<b>EN-DL10</b> (H) 60mm Height (OD) 120mm Overall (Ø)
<b>EN-DDL15</b> (H) 60mm Height (OD) 150mm Overall (Ø)	<b>EN-DL15</b> (H) 60mm Height (OD) 150mm Overall (Ø)
<b>EN-DDL20</b> (H) 65mm Height (OD) 200mm Overall (Ø)	<b>EN-DL23</b> (H) 65mm Height (OD) 200mm Overall (Ø)
<b>EN-DDL25</b> (H) 65mm Height (OD) 235mm Overall (Ø)	<b>EN-DL30</b> (H) 65mm Height (OD) 235mm Overall (Ø)

Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cut-out [Ø]
<b>Non-Dimmable</b>						
<b>EN-DL10/30</b>	10W	3000K	1050lm	105	100°	90mm
<b>EN-DL10/40</b>	10W	4000K	1150lm	115	100°	90mm
<b>EN-DL15/30</b>	15W	3000K	1600lm	107	100°	120mm
<b>EN-DL15/40</b>	15W	4000K	1700lm	113	100°	120mm
<b>EN-DL23/30</b>	23W	3000K	2500lm	109	100°	170mm
<b>EN-DL23/40</b>	23W	4000K	2700lm	117	100°	170mm
<b>EN-DL30/30</b>	30W	3000K	3200lm	107	100°	200mm
<b>EN-DL30/40</b>	30W	4000K	3450lm	115	100°	200mm
<b>Triac Dimmable</b>						
<b>EN-DDL10/40</b>	10W	4000K	960lm	96	100°	90mm
<b>EN-DDL15/40</b>	15W	4000K	1450lm	97	100°	120mm
<b>EN-DDL20/40</b>	20W	4000K	2100lm	105	100°	170mm
<b>EN-DDL25/40</b>	25W	4000K	2550lm	102	100°	200mm

#### Emergency Pack

**AU-DLEMB2B**

3 Hour Maintained Emergency Pack - Excluding EN-DL10



Baffle designed to reduce direct glare

EN-DLM611 - Fixed IP20 rated

EN-DLM612 - Adjustable IP20 rated

EN-DLM613 & EN-DLM614 - IP65 rated

5 Year Warranty

Matt White finish



### Smart Lamps

**Bluetooth**  
Lamp option  
See pg.181



### Pro/Lite Lamps

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



Fixed Black



Adjustable Black

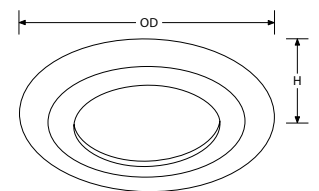


IP65 Fixed Black



IP65 Fixed White

Cat. No.	Type	Input	Horz. Adj.	Cut-out [Ø]
<b>Fixed</b>				
<b>EN-DLM611MW</b>	Fixed Round Black Baffle	240V	-	70mm
<b>Adjustable</b>				
<b>EN-DLM612MW</b>	Adjustable Round Black Baffle	240V	15°	70mm
<b>IP65</b>				
<b>EN-DLM613MW</b>	IP65 Round Black Baffle	240V	-	70mm
<b>EN-DLM614MW</b>	IP65 Round White Baffle	240V	-	75mm



<b>EN-DLM611</b>	<b>EN-DLM613</b>
(H) 115mm Height	(H) 115mm Height
(OD) 81mm Overall (Ø)	(OD) 81mm Overall (Ø)
<b>EN-DLM612</b>	<b>EN-DLM614</b>
(H) 115mm Height	(H) 115mm Height
(OD) 81mm Overall (Ø)	(OD) 85mm Overall (Ø)

5 Year Warranty

White, Polished Chrome &  
Satin Nickel finish options

# EDLM™

## GU10 Aluminium Downlights

Recessed lamp fixture

IP65 rated

Suitable for use in zone 1



### Smart Lamps

**Bluetooth**  
Lamp option  
See pg.181

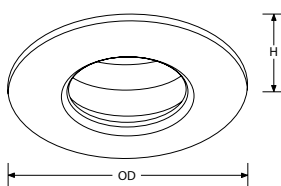


### Pro/Lite Lamps

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



**EN-DLM411**  
(H) 130mm Height  
(OD) 85mm Overall (Ø)

Cat. No.	Input	Cut-out [Ø]
<b>IP65</b>		
<b>EN-DLM411W</b>	240V	72mm
<b>EN-DLM411PC</b>	240V	72mm
<b>EN-DLM411SN</b>	240V	72mm

Suffix **W**, **PC** or **SN** for White, Polished Chrome or Satin Nickel finishes.



# EDLM™

## GU10 Lock Ring Aluminium Downlights

EN-DLM356 - Fixed IP20 rated

EN-DLM357 - Adjustable IP20 rated

EN-DLM355 - Wallwasher IP20 rated with rotation of 355°

5 Year Warranty

White, Matt White,  
Polished Chrome & Satin  
Nickel finish options



### Smart Lamps

**Bluetooth**  
Lamp option  
See pg.181



### Pro/Lite Lamps

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



Fixed

Adjustable

Wallwasher

Cat. No.                      Input    Adjustment    Cut-out [Ø]

#### Fixed

<b>EN-DLM356W</b>	240V	-	70mm
<b>EN-DLM356MW</b>	240V	-	70mm
<b>EN-DLM356PC</b>	240V	-	70mm
<b>EN-DLM356SN</b>	240V	-	70mm

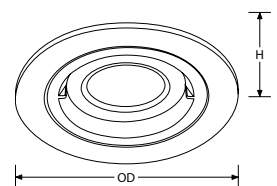
#### Adjustable

<b>EN-DLM357W</b>	240V	30°	80mm
<b>EN-DLM357MW</b>	240V	30°	80mm
<b>EN-DLM357PC</b>	240V	30°	80mm
<b>EN-DLM357SN</b>	240V	30°	80mm

#### Wallwasher

<b>EN-DLM355W</b>	240V	40°	88mm
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Suffix **W**, **MW**, **PC** or **SN** for White, Matt White, Polished Chrome or Satin Nickel finishes.



#### EN-DLM356

(H) 115mm Height  
(OD) 80mm Overall (Ø)

#### EN-DLM357

(H) 110mm Height  
(OD) 95mm Overall (Ø)

#### EN-DLM355

(H) 105mm Height  
(OD) 105mm Overall (Ø)

3 Year Warranty

White, Polished Chrome & Satin  
Nickel finish options

# EDLM™

## GU10 Spring Clip Pressed Steel Downlights

Pressed steel downlight

Clip ring lamp retainer

IP20 rated



### Smart Lamps

**Bluetooth**  
Lamp option  
See pg.181

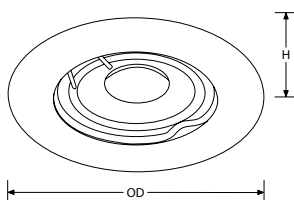


### Pro/Lite Lamps

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



**EN-DLM211**

(H) 110mm Height  
(OD) 80mm Overall (Ø)

Cat. No.	Input	Cut-out [Ø]
<b>Fixed</b>		
<b>EN-DLM211W</b>	240V	65mm
<b>EN-DLM211PC</b>	240V	65mm
<b>EN-DLM211SN</b>	240V	65mm

Suffix **W**, **PC** or **SN** for White, Polished Chrome or Satin Nickel finishes.



**EDLM™**

GU10 Pressed Steel Multiples

Downlights adjustable on two axes

IP20 rated

Horizontal adjustment of 45° (outer ring)

Vertical adjustment of 45° (inner ring)

Lock-ring fitted for convenient lamp replacement



**Smart Lamps**

**Bluetooth**  
Lamp option  
See pg.181



**Pro/Lite Lamps**

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

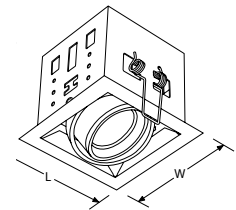
See luminaire lamp compatibility on pg.198



Single

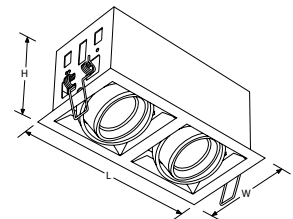


Twin



**EN-MGU101**

(L) 107mm Length  
(W) 107mm Width  
(H) 110mm Height



**EN-MGU102**

(L) 202mm Length  
(W) 107mm Width  
(H) 110mm Height

Cat. No.	Input	Horz. Adj.	Cut-out
<b>Single</b>			
<b>EN-MGU101MW</b>	240V	45°	95 x 95mm
<b>EN-MGU101SS</b>	240V	45°	95 x 95mm
<b>Twin</b>			
<b>EN-MGU102MW</b>	240V	45°	190 x 95mm
<b>EN-MGU102SS</b>	240V	45°	190 x 95mm

Suffix **MW** or **SS** for Matt White or Satin Silver finishes.



5 Year Warranty

Matt White or Satin Silver  
finish options



# Trac™

## GU10 Single Circuit Track

Cast aluminium track spotlight with slimline single circuit track adaptor

Compatible with industry standard Global single circuit track

Adjustable rotation 350° and 180° tilt

For use with GU10 lamps - lamp not included

3 Year Warranty

Black or White finish options



### Smart Lamps

**Bluetooth**  
Lamp option  
See pg.181



### Pro/Lite Lamps

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



Black



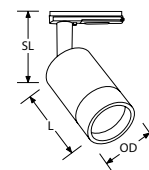
White

Cat. No.	Input	Finish
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**Short Form**

<b>EN-TK2W</b>	240V	White
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<b>EN-TK2BLK</b>	240V	Black
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**EN-TK2**

(L) 100mm Length  
(OD) 60mm Overall (Ø)  
(SL) 40mm Stem Length

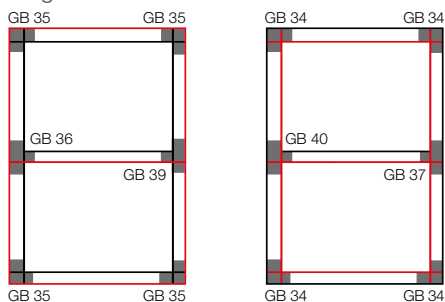
## Single Circuit Track

Single Circuit Track		Black	White
	1 Metre	<a href="#">GB2100-2</a>	<a href="#">GB2100-3</a>
	2 Metre	<a href="#">GB2200-2</a>	<a href="#">GB2200-3</a>
	3 Metre	<a href="#">GB2300-2</a>	<a href="#">GB2300-3</a>

Single Circuit Track Accessories		Black	White
	Live End	<a href="#">GB11-2</a> <a href="#">GB12-2</a>	<a href="#">GB11-3</a> <a href="#">GB12-3</a>
	Dead End	<a href="#">GB41-2</a>	<a href="#">GB41-3</a>
	Straight Connector	<a href="#">GB21-2</a>	<a href="#">GB21-3</a>
	Adjustable Corner	<a href="#">GB24-2</a>	<a href="#">GB24-3</a>
	L Connector Inside Feed	<a href="#">GB34-2</a>	<a href="#">GB34-3</a>
	L Connector Outside Feed	<a href="#">GB35-2</a>	<a href="#">GB35-3</a>
	X Connector	<a href="#">GB38-2</a>	<a href="#">GB38-3</a>
	T Connector Outside Right	<a href="#">GB36-2</a>	<a href="#">GB36-3</a>
	T Connector Inside Left	<a href="#">GB37-2</a>	<a href="#">GB37-3</a>
	T Connector Outside Left	<a href="#">GB39-2</a>	<a href="#">GB39-3</a>
	T Connector Inside Right	<a href="#">GB40-2</a>	<a href="#">GB40-3</a>

Consider polarity for L and T Connectors and the Live Ends. Red line shows polarity.

Single Circuit Floor View From Below



Diagrams show the track layout viewed from below, looking up.  
The part of the track that takes the fitting faces the viewer.  
Components must be turned upside down before adding to a floor plan.

### Track Suspension Single Circuit



Single Circuit Track  
Suspension Clamp

Length Aluminium

- [GBS33](#)



Adjustable Suspension  
2 x Wire Kit 2 or 5m

2m [791-0023B](#)  
5m [791-0024B](#)



Adjustable Suspension  
Wire Kit 2 or 5m



# FEATURE PRODUCTS



**ICE**  
LAMP

**PRO** Range  
GU10  
Dimmable & Non-Dimmable

pg.57

**NEW**



**ClearVu**

**LITE** Range  
GU10  
Dimmable & Non-Dimmable

pg.58

**NEW**



**Eco**

**LITE** Range  
PAR20  
Non-Dimmable

pg.60



**Eco**

**LITE** Range  
GLS  
Dimmable & Non-Dimmable

pg.61

Lamps

# LAMP FEATURE COMPARISON



## ICE<sup>TM</sup>LAMP

Over 20 million units sold

- Two aluminium heatsinks to control LED and key component temperatures
- Potted driver to aid heat dissipation
- Designed and tested for use in fire rated downlights
- When the lamp temperature reaches a certain level the power of the lamp is reduced to reduce the temperature
- Constant current driver. The output wattage and lumen remain stable when input voltage changes
- Excellent dimming compatibility
- 120lm/W
- **5 Year Warranty**



## ClearVu<sup>TM</sup> **NEW**

- Heatsink to control key component temperatures
- Designed and tested for use in fire rated downlights
- Linear IC driver with better dimming compatibility
- 110lm/W
- **2 Year Warranty**



## Competitor Lamp

- No heatsink included in the design
- High key component temperatures leading to shorter lifetime
- Not designed for use in fire rated downlights
- Linear IC driver with limited dimming compatibility
- 105lm/W
- **2 Year Warranty**

5 Year Warranty

L70 25,000hrs

Dimmable option available

**ICE**  
**LAMP**

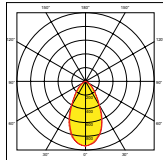
**Non-Dimmable & Dimmable GU10 Lamps**

ThermoTec™ heat management technology

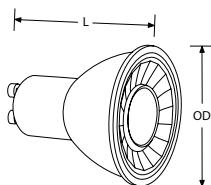
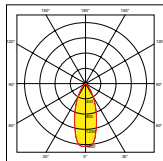
Suitable for use in enclosed luminaires

Sparkling low glare multifaceted EnFiniti™ lens

EN-DGU005



EN-DGU0053



**EN-GU005**  
(L) 57mm Length  
(OD) 50mm Overall (Ø)

**EN-DGU005**  
(L) 57mm Length  
(OD) 50mm Overall (Ø)

**EN-DGU0053**  
(L) 57mm Length  
(OD) 50mm Overall (Ø)

Cat. No.	Base	Watts	Colour	Lumens	lm/W	Beam
<b>Dimmable</b>						
<b>EN-DGU005/27</b>	GU10	5W	2700K	530lm	106	60°
<b>EN-DGU005/30</b>	GU10	5W	3000K	560lm	112	60°
<b>EN-DGU005/40</b>	GU10	5W	4000K	600lm	120	60°
<b>EN-DGU005/64</b>	GU10	5W	6400K	600lm	120	60°
<b>EN-DGU0053/30</b>	GU10	5W	3000K	485lm	97	38°
<b>EN-DGU0053/40</b>	GU10	5W	4000K	515lm	103	38°
<b>Non-Dimmable</b>						
<b>EN-GU005/27</b>	GU10	5W	2700K	530lm	106	60°
<b>EN-GU005/30</b>	GU10	5W	3000K	560lm	112	60°
<b>EN-GU005/40</b>	GU10	5W	4000K	600lm	120	60°
<b>EN-GU005/64</b>	GU10	5W	6400K	600lm	120	60°



# ClearVu™

Dimmable GU10 Lamps

Aluminium heat sink to improve reliability

Sparkling low glare multifaceted lens

**LITE**  
Range

2 Year Warranty

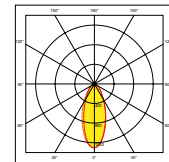
L70 15,000hrs

LITE Range

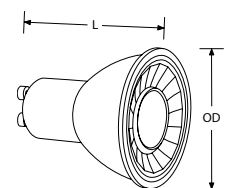
Lamps



EN-DGU55



Cat. No.	Base	Watts	Colour	Lumens	lm/W	Beam
<b>Dimmable</b>						
<b>EN-DGU55/27</b>	GU10	5W	2700K	480lm	96	38°
<b>EN-DGU55/30</b>	GU10	5W	3000K	500lm	100	38°
<b>EN-DGU55/40</b>	GU10	5W	4000K	550lm	110	38°
<b>EN-DGU55/64</b>	GU10	5W	6400K	550lm	110	38°



EN-DGU55

(L) 57mm Length  
(OD) 50mm Overall (Ø)

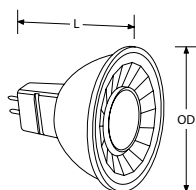
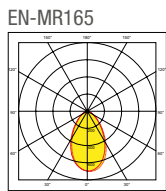
3 Year Warranty

L70 25,000hrs

**ICE**  
**LAMP**

Non-Dimmable MR16 Lamps

Multifaceted reflector lens with effective heat management technology  
High output, low energy, cool operating temperature



**EN-MR165**  
(L) 42mm Length  
(OD) 50mm Overall (Ø)

Cat. No.	Base	Watts	Colour	Lumens	lm/W	Beam
<b>Non-Dimmable 12V MR16</b>						
<b>EN-MR165/30</b>	GU5.3	5W	3000K	500lm	100	60°
<b>EN-MR165/40</b>	GU5.3	5W	4000K	520lm	104	60°

Requires AU-LED1012CV LED driver (one lamp per driver)



# Eco™

Non-Dimmable PAR20 Lamps

# LITE Range

5 Year Warranty

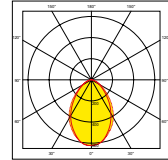
L70 30,000hrs

LED replacement of the popular AU-GUF4011

Sparkling low glare honeycomb lens



AU-GUF4011LED



LITE  
Range

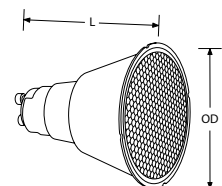
Lamps



Cat. No.	Base	Watts	Colour	Lumens	lm/W	Beam
----------	------	-------	--------	--------	------	------

Non-Dimmable PAR20

<b>AU-GUF4011LED/30</b>	GU10	7W	3000K	650lm	93	90°
<b>AU-GUF4011LED/40</b>	GU10	7W	4000K	650lm	93	90°



AU-GUF4011LED

(L) 75mm Length  
(OD) 64mm Overall (Ø)

# Eco™ EDim™

Non-Dimmable & Dimmable GLS / Candle Lamps

Retrofit LED GLS or candle lamp

Ideal replacement for traditional incandescent lamps

3 Year Warranty

L70 25,000hrs

Dimmable option available

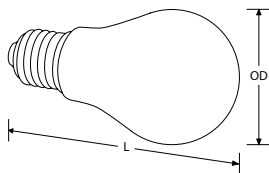
B22, E27 & E14 options



B22 GLS

E27 GLS

E14 Candle



**EN-GLSE279**

(L) 110mm Length  
(OD) 60mm Overall (Ø)

**EN-GLSB229**

(L) 110mm Length  
(OD) 60mm Overall (Ø)

**EN-DGLSE279**

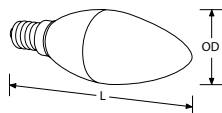
(L) 110mm Length  
(OD) 60mm Overall (Ø)

**EN-DGLSB229**

(L) 108mm Length  
(OD) 60mm Overall (Ø)

**EN-GLSB2215**

(L) 135mm Length  
(OD) 60mm Overall (Ø)



**EN-DCNDE145**

(L) 105mm Length  
(OD) 35mm Overall (Ø)

Cat. No.	Base	Watts	Colour	Lumens	lm/W	Beam
<b>Non-Dimmable GLS</b>						
<b>EN-GLSE279/30</b>	E27	8W	3000K	780lm	98	290°
<b>EN-GLSB229/30</b>	B22	8W	3000K	780lm	98	290°
<b>EN-GLSB2215/30</b>	B22	15W	3000K	1820lm	121	180°
<b>EN-GLSB2215/40</b>	B22	15W	4000K	1920lm	128	180°
<b>Dimmable GLS</b>						
<b>EN-DGLSE279/27</b>	E27	8W	2700K	810lm	101	220°
<b>EN-DGLSB229/27</b>	B22	8W	2700K	810lm	101	220°
<b>Dimmable Candle</b>						
<b>EN-DCNDE145/27</b>	E14	5W	2700K	400lm	80	240°



# Panels





## FEATURE PRODUCTS

**NEW**



**BackLite™**

**PRO** Range

Backlit  
UGR19  
Up to 5600lm

pg.64

**NEW**



**BackLite™**

**LITE** Range

Backlit  
UGR19 achievable  
Up to 5000lm

pg.65

Panels

# BackLite™

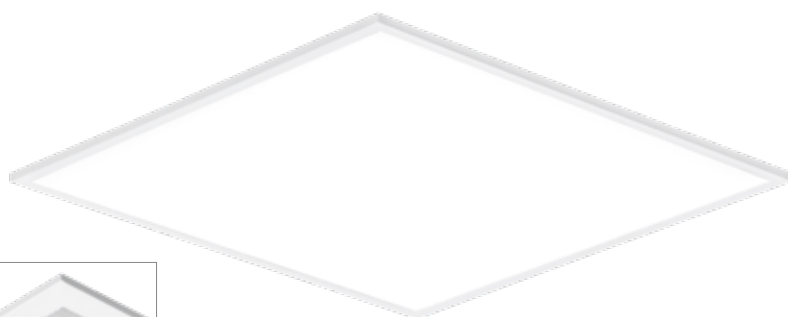
## Backlit Panels

- No light guide, removing the risk of yellowing
- PMMA lenses for uniformity of light
- SDCM <5 providing consistent light colour quality
- Flicker free driver
- Power Factor > 0.9
- IP54 rated from the front
- UGR19
- Suitable for installation in 15 and 24mm T-bar ceilings



Up to 140lm/W

COMING  
SPRING  
2023



Prismatic Lens

27mm



Super slim profile



Cat. No.	Type	Watts	Colour	Lumens	lm/W	Beam
<b>600 x 600mm</b>						
<a href="#">AU-BLPP6060*/30†</a>	Non-Dim	26W	3000K	3460lm	133	90°
<a href="#">AU-BLPP6060*/40†</a>	Non-Dim	26W	4000K	3640lm	140	90°
<a href="#">AU-BLPP6060*/65†</a>	Non-Dim	26W	6500K	3640lm	140	90°
<b>1200 x 600mm</b>						
<a href="#">AU-BLPP1260*/30†</a>	Non-Dim	40W	3000K	5320lm	133	90°
<a href="#">AU-BLPP1260*/40†</a>	Non-Dim	40W	4000K	5600lm	140	90°
<a href="#">AU-BLPP1260*/65†</a>	Non-Dim	40W	6500K	5600lm	140	90°
<b>1200 x 300mm</b>						
<a href="#">AU-BLPP1230*/30†</a>	Non-Dim	26W	3000K	3460lm	133	90°
<a href="#">AU-BLPP1230*/40†</a>	Non-Dim	26W	4000K	3640lm	140	90°
<a href="#">AU-BLPP1230*/65†</a>	Non-Dim	26W	6500K	3640lm	140	90°

### Accessories

[AU-EM1EX](#)

3 Hour Maintained Emergency Pack

[AU-EM1EXST](#)

3 Hour Maintained Self Test Emergency Pack

\*Add suffix **DA** for DALI or **V** for 1-10V dimmable options

**Surface Mount** box, **Adjustable Suspension** kit & **Ceiling Recess Mount** available.

†For DALI Emergency - the EM side will not report back



PRO  
Range

5 Year Warranty

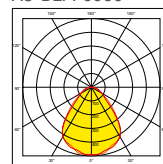
L80 50,000hrs

1-10V & DALI dimmable options

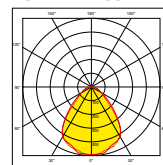
Emergency option

White finish

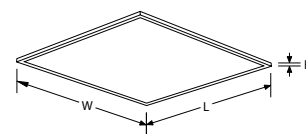
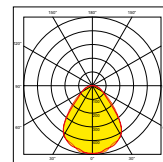
AU-BLPP6060



AU-BLPP1260



AU-BLPP1230



**AU-BLPP6060**

(L) 595mm Length

(W) 595mm Width

(H) 27mm Height

**AU-BLPP1230**

(L) 1195mm Length

(W) 295mm Width

(H) 27mm Height

**AU-BLPP1260**

(L) 1195mm Length

(W) 595mm Width

(H) 27mm Height

5 Year Warranty

L80 50,000hrs

1-10V & DALI dimmable options

Emergency option

White finish

# BackLite™

## Backlit Panels

No light guide, removing the risk of yellowing

PMMA lenses for uniformity of light

SDCM <5 providing consistent light colour quality

Flicker free driver

Power Factor > 0.9

UGR19 achievable (AU-BLPE6060 & AU-BLPE1230 only)

UGR22 (AU-BLPE1260 only)

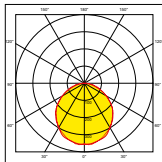
Suitable for installation in 15 and 24mm T-bar ceilings



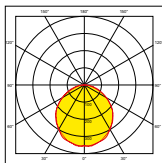
**100lm/W**

**COMING  
SPRING  
2023**

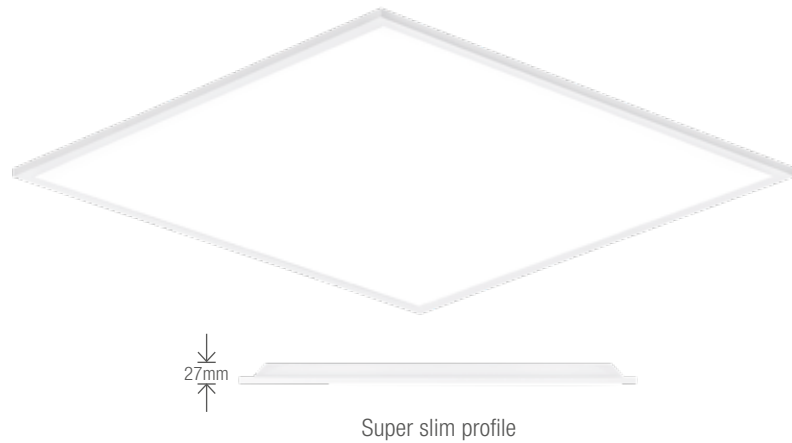
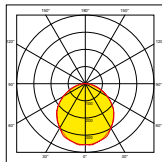
AU-BLPE6060



AU-BLPE1260



AU-BLPE1230



Cat. No.	Type	Watts	Colour	Lumens	lm/W	Beam
<b>600 x 600mm</b>						
<b>AU-BLPE6060*<sup>†</sup>/40<sup>†</sup></b>	Non-Dim	36W	4000K	3600lm	100	110°
<b>AU-BLPE6060*<sup>†</sup>/65<sup>†</sup></b>	Non-Dim	36W	6500K	3600lm	100	110°
<b>1200 x 600mm</b>						
<b>AU-BLPE1260*<sup>†</sup>/40<sup>†</sup></b>	Non-Dim	50W	4000K	5000lm	100	110°
<b>AU-BLPE1260*<sup>†</sup>/65<sup>†</sup></b>	Non-Dim	50W	6500K	5000lm	100	110°
<b>1200 x 300mm</b>						
<b>AU-BLPE1230*<sup>†</sup>/40<sup>†</sup></b>	Non-Dim	36W	4000K	3600lm	100	110°
<b>AU-BLPE1230*<sup>†</sup>/65<sup>†</sup></b>	Non-Dim	36W	6500K	3600lm	100	110°

### Accessories

**AU-EM1EX**

3 Hour Maintained Emergency Pack

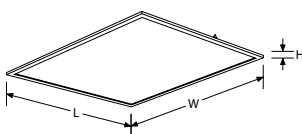
**AU-EM1EXST**

3 Hour Maintained Self Test Emergency Pack

\*Add suffix **DA** for DALI or **V** for 1-10V dimmable options

**Surface Mount box** & **Ceiling Recess Mount** available.

<sup>†</sup>For DALI Emergency - the EM side will not report back



### AU-BLPE6060

(L) 595mm Length  
(W) 595mm Width  
(H) 27mm Height

### AU-BLPE1230

(L) 295mm Length  
(W) 1195mm Width  
(H) 27mm Height

### AU-BLPE1260

(L) 1195mm Length  
(W) 595mm Width  
(H) 27mm Height

## Accessories & Compatibility

### Ceiling Surface Mount Box Kit



**EN-SM103C**  
Surface Mount Kit  
600x600mm

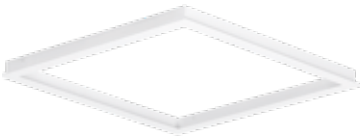


**EN-SM107B**  
Surface Mount Kit  
1200x300mm



**EN-SM106B**  
Surface Mount Kit  
1200x600mm

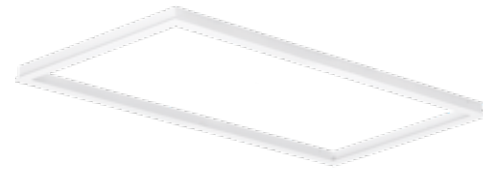
### Ceiling Recess Mount Kit



**EN-CRM660A**  
Ceiling Recess Mount  
600x600mm



**EN-CRM1230A**  
Ceiling Recess Mount  
1200x300mm



**EN-CRM1260A**  
Ceiling Recess Mount  
1200x600mm

### Ceiling Suspension Mounting Kit



**EN-SK100B**  
Adjustable Suspension Kit



**EN-SK100B**  
Suspension Mounting Kit



**EN-SK100B**  
Suspension Mounting Kit

Cat. No.	Description
<b>NEW EN-SM103C*</b>	600 x 600 x 75mm Panel Surface Mount
<b>EN-SM106B*</b>	1200 x 600 x 74mm Panel Surface Mount
<b>EN-SM107B*</b>	1200 x 300 x 74mm Panel Surface Mount
<b>EN-CRM660A</b>	600 x 600mm Panel Recess Mount
<b>EN-CRM1230A</b>	1200 x 300mm Panel Recess Mount
<b>EN-CRM1260A</b>	1200 x 600mm Panel Recess Mount
<b>EN-SK100B</b>	Panel Adjustable Suspension Kit
<b>NEW AU-SC100</b>	1m Safety Cable for Pro and Eco backlit panels

\*Add Suffix **EM** for Emergency option

#### Note:

For emergency panels, a surface mount with **EM** options is ideal as it provides dedicated space for the emergency indicator to be visible.

## Panel Compatibility

### Ceiling Surface Mount Box Kit

#### EN-SM103C

AU-BLPP6060 See pg.64

AU-BLPE6060 See pg.65

#### EN-SM107B

AU-BLPP1230 See pg.64

AU-BLPE1230 See pg.65

#### EN-SM106B

AU-BLPP1260 See pg.64

AU-BLPE1260 See pg.65

### Ceiling Recess Mount Kit

#### EN-CRM660A

AU-BLPP6060 - See pg.64

AU-BLPE6060 - See pg.65

#### EN-CRM1230A

AU-BLPP1230 - See pg.64

AU-BLPE1230 - See pg.65

#### EN-CRM1260A

AU-BLPP1260 - See pg.64

AU-BLPE1260 - See pg.65

### Ceiling Suspension Mount Kit

#### EN-SK100B

AU-BLPP6060 - See pg.64

AU-BLPP1230 - See pg.64

AU-BLPP1260 - See pg.64

AU-BLPE6060 - See pg.65

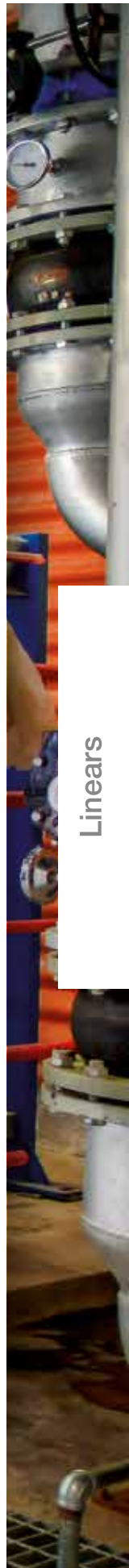
AU-BLPE1230 - See pg.65

AU-BLPE1260 - See pg.65





# FEATURE PRODUCTS



Linears

**NEW**



## BatPac™CWS

**PRO Range**

Colour & Wattage Switchable  
Plug & Play Battens  
Up to 9000lm

pg.71



## BatPac™

**PRO Range**

Single Colour  
With push clip release  
Up to 9100lm

pg.72

**NEW**



## LinearPac™

**PRO Range**

IP65 Anti-Corrosive Range  
Plug & Play Battens  
Up to 9000lm

pg.75

**NEW**



## InterLEDCS™

**PRO Range**

Surface/Suspended  
Up to 4360lm

pg.77

## HIGH PERFORMANCE LED BATTENS COLOUR & WATTAGE SWITCHABLE

Up to 150lm/W

### NEW MODULAR PLUG AND PLAY SOLUTION

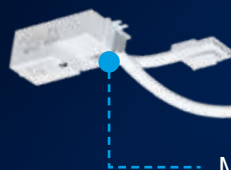
Simply adapt the standard BatPacCWS on site by installing the Emergency and/or Microwave Sensor Modules to create an EM, MS or EMMS fitting.



**36 COMBINATIONS** perfect for the wholesaler to control stock levels and store less products, whilst being able to offer a full range to the contractor.

PRO Range

Linears



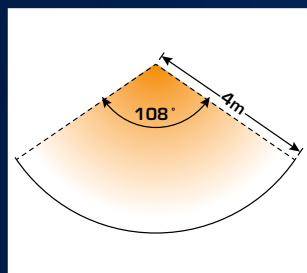
Microwave Sensor Pack  
Accessory AU-BAMS



Emergency Pack  
Accessory AU-EM2 or AU-EM2ST



**Side Cable Entry**  
Knockouts both ends  
for cable entry



**Microwave Version**  
Sensor detection range  
of 4m, 108°



**Push-Fit Terminals**  
Loop in loop out for  
fast cable installation

# BatPacCWS™

## Colour & Wattage Switchable Battens

5 Year Warranty

L70 50,000hrs

Emergency option

Microwave sensing option

Colour switchable between 3000K, 4000K and 6500K

Wattage switchable between 21W and 37W (AU-BA1237WS)

Wattage switchable between 31W and 54W (AU-BA1554WS)

Wattage switchable between 34W and 62W (AU-BA1862WS)

IK08 rated

-20 - +45° ambient operating temperature

Microwave sensor 108° detection beam range up to 4m

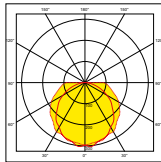
Opal polycarbonate diffuser for even light distribution

Can be surface mounted or suspended

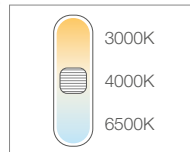
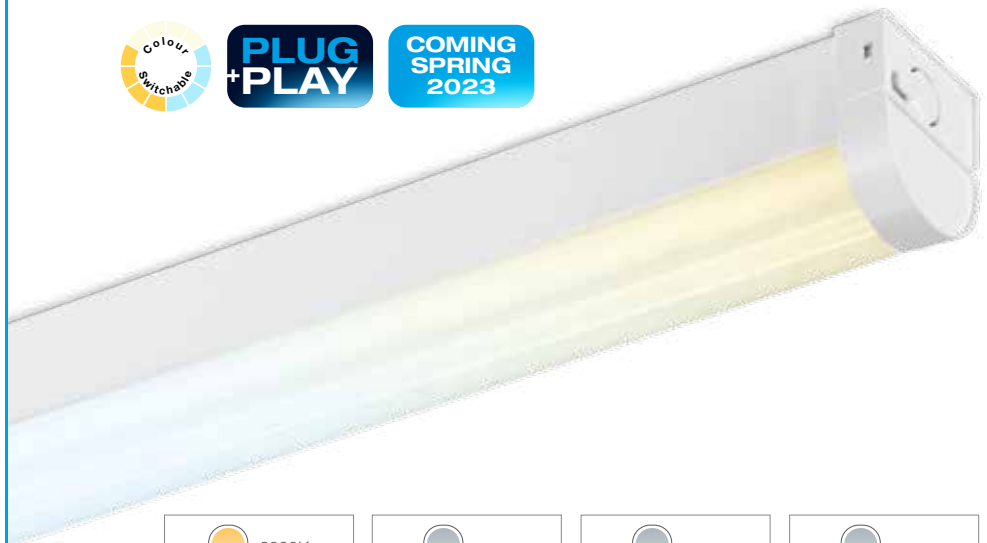
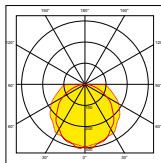
Plug and play emergency, emergency self test and microwave sensing packs available



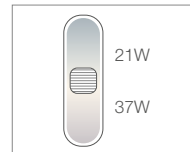
31W 4000K



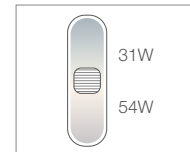
54W 4000K



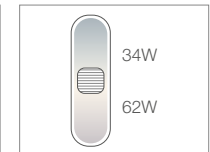
Colour Switchable



Wattage Switchable  
**AU-BA1237CWS**



Wattage Switchable  
**AU-BA1554CWS**



Wattage Switchable  
**AU-BA1862CWS**



Cat. No.	Type	Watts	Colour	Lumens	lm/W	Length (ft)
<b>Colour &amp; Wattage Switchable</b>						
<b>AU-BA1237CWS</b>	Non-Dim	21W	3000-6500K	3150lm	150	4
	Non-Dim	37W	3000-6500K	5350lm	145	4
<b>AU-BA1554CWS</b>	Non-Dim	31W	3000-6500K	4650lm	150	5
	Non-Dim	54W	3000-6500K	7850lm	145	5
<b>AU-BA1862CWS</b>	Non-Dim	34W	3000-6500K	5100lm	150	6
	Non-Dim	62W	3000-6500K	9000lm	145	6

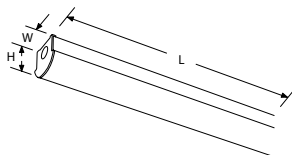
### Accessories

**AU-EM2** Emergency Pack for BatPacCWS™

**AU-EM2ST** Emergency Self Test Pack for BatPacCWS™

**AU-BAMS** Microwave Sensor Pack for BatPacCWS™

Lumen value based on 4000K



#### **AU-BA1237CWS**

(L) 1170 mm Length  
(W) 61mm Width  
(H) 71 mm Height

#### **AU-BA1554CWS**

(L) 1470 mm Length  
(W) 61mm Width  
(H) 71 mm Height

#### **AU-BA1862CWS**

(L) 1734 mm Length  
(W) 61mm Width  
(H) 71 mm Height

# BatPac™

LED Battens With Push Clip Release

- Push clip release and hinged gear tray for fast installation
- Push-fit terminals
- Knockouts for cable entry on both ends
- Multiple BESA mounting points (matches traditional fluorescent)
- IK08 rated
- 20 - +45° ambient operating temperature
- Opal polycarbonate diffuser for even light distribution
- Can be surface mounted or suspended

**COMING  
SPRING  
2023**

5 Year Warranty

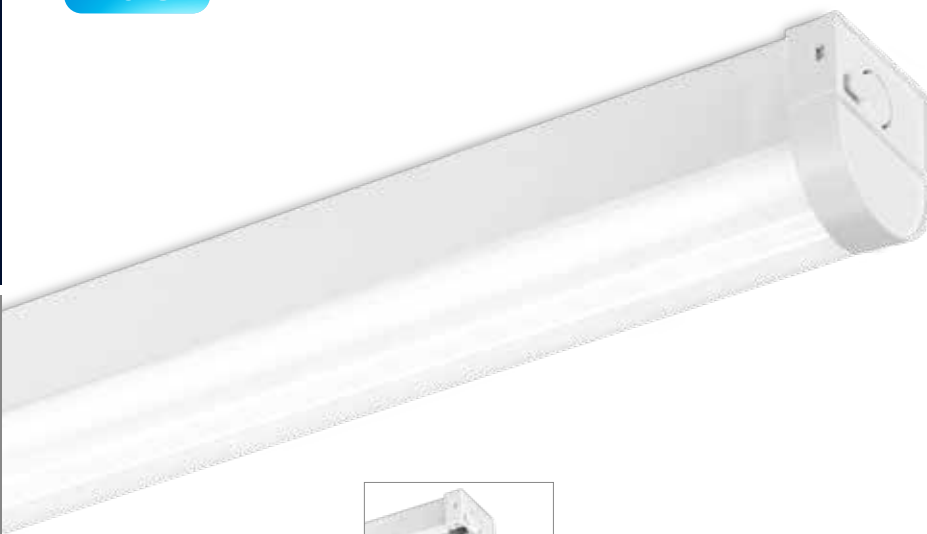
L70 50,000hrs

Emergency option

White finish

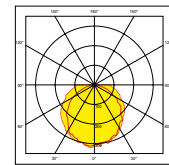
PRO Range

Linears



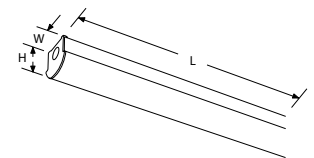
Quick Release Hinged Gear Tray for Faster Installation

EN-BA1533



Cat. No.	Type	Watts	Colour	Lumens	lm/W	Length (ft)
<b>Single</b>						
<a href="#">EN-BA1222*/40</a>	Non-Dim	20W	4000K	2800lm	140	4
<a href="#">EN-BA1533*/40</a>	Non-Dim	31W	4000K	4300lm	139	5
<a href="#">EN-BA1839*/40</a>	Non-Dim	35W	4000K	4900lm	140	6
<b>Twin</b>						
<a href="#">EN-BA1243*/40</a>	Non-Dim	38W	4000K	5300lm	139	4
<a href="#">EN-BA1563*/40</a>	Non-Dim	56W	4000K	7800lm	139	5
<a href="#">EN-BA1873*/40</a>	Non-Dim	65W	4000K	9100lm	140	6

\*Add suffix EM for Emergency



[EN-BA1222](#)

(L) 1170 mm Length  
(W) 61mm Width  
(H) 71 mm Height

[EN-BA1243](#)

(L) 1170 mm Length  
(W) 61mm Width  
(H) 71 mm Height

[EN-BA1533](#)

(L) 1470 mm Length  
(W) 61mm Width  
(H) 71 mm Height

[EN-BA1563](#)

(L) 1470 mm Length  
(W) 61mm Width  
(H) 71 mm Height

[EN-BA1839](#)

(L) 1734 mm Length  
(W) 61mm Width  
(H) 71 mm Height

[EN-BA1873](#)

(L) 1734 mm Length  
(W) 61mm Width  
(H) 71 mm Height



**PRO** Range  
Linears

## TOUGH IK10 & IP66 **ANTI-CORROSIVES** Up to 115lm/W

### NEW MODULAR PLUG AND PLAY SOLUTION

Simply adapt the standard LinearPac on site by installing the Emergency and/or Microwave Sensor Modules to create an EM, MS or EMMS fitting.

**UP TO 6 COMBINATIONS** perfect for the wholesaler to control stock levels and store less products, whilst being able to offer a full range to the contractor.



#### Single & Twin Body

Evenly distributed LED chips on board ensure smooth delivery of maximum light output



#### IP66 Rated Glands

Provided at both ends as standard



#### Anti-Tamper Clips

Durable stainless steel anti-tamper clips fitted

# LinearPac™

IP66 Anti-Corrosives

5 Year Warranty

L70 50,000hrs

Emergency option

Microwave sensing option

Multiple BESA mounting points (matches traditional fluorescent)

Drop down gear tray for ease of installation and maintenance

20mm conduit entry at both ends and at the rear

Stainless steel anti-tamper clips

Fully polycarbonate opal diffuser and base

IP66 rated

2x IP66 rated cable glands supplied

IK10 rated

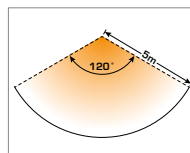
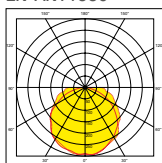
-10° to +50° ambient operating temperature

Microwave sensor 120° detection beam range up to 5m

Plug and play emergency, emergency self test and microwave sensing packs available



EN-ANT1530



Microwave version  
detection range



Cat. No. Type Watts Colour Lumens lm/W Length (ft)

**Single**

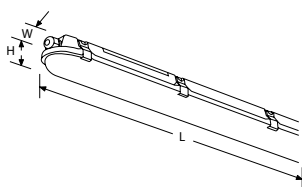
<b>EN-ANT1224/40</b>	Non-Dim	24W	4000K	2760lm	115	4
<b>EN-ANT1530/40</b>	Non-Dim	30W	4000K	3450lm	115	5
<b>EN-ANT1840/40</b>	Non-Dim	40W	4000K	4600lm	115	6

**Twin**

<b>EN-ANT1241/40</b>	Non-Dim	40W	4000K	4600lm	115	4
<b>EN-ANT1560/40</b>	Non-Dim	60W	4000K	6900lm	115	5
<b>EN-ANT1880/40</b>	Non-Dim	80W	4000K	9000lm	113	6

**Accessory**

<b>EN-ANTEM1</b>	Emergency Pack for LinearPac™
<b>EN-ANTEMST1</b>	Emergency Self Test Pack for LinearPac™
<b>EN-ANTMS1</b>	Microwave Sensor Pack for LinearPac™



<b>EN-ANT1224</b>	<b>EN-ANT1241</b>
(L) 1200mm Length	(L) 1200mm Length
(W) 80mm Width	(W) 100mm Width
(H) 72mm Height	(H) 72mm Height
<b>EN-ANT1530</b>	<b>EN-ANT1560</b>
(L) 1500mm Length	(L) 1500mm Length
(W) 80mm Width	(W) 100mm Width
(H) 72mm Height	(H) 72mm Height
<b>EN-ANT1840</b>	<b>EN-ANT1880</b>
(L) 1800mm Length	(L) 1840mm Length
(W) 80mm Width	(W) 100mm Width
(H) 72mm Height	(H) 72mm Height



## PERFECT FOR RETROFITTING **COLOUR SWITCHABLE LINEARS** Up to 114lm/W



**Colour Switchable**  
3000K, 4000K & 6500K

PRO  
Range

Linears



**Options for Mounting and Suspending**  
Surface mount brackets and suspension cables included as standard for both product lengths



**Connecting Lengths**  
Connecting accessory for connecting lengths

**Interconnection**  
Simply interconnect to make continuous lengths

3000K

4000K

6500K



# InterLEDcs™

Colour Switchable Connectable Linear

5 Year Warranty

L80 50,000hrs

Emergency option

Black or White finish options

Colour switchable between 3000K, 4000K and 6500K

High quality extruded aluminium body

Supplied with 1.5 metre suspension cable & surface mount brackets

Interconnecting connector supplied

Opal polycarbonate diffuser for even light distribution

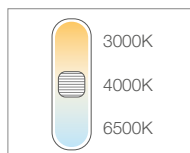
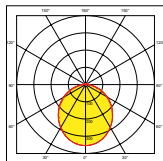
Can be surface mounted or suspended



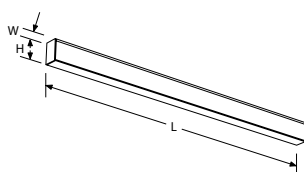
**COMING  
SPRING  
2023**

Please note: product cannot be surface mounted in continuous lengths

EN-LN1540CS



Colour Switchable



**AU-LN1230CS**

(L) 1200mm Length  
(W) 59mm Width  
(H) 70mm Height

**AU-LN1540CS**

(L) 1500mm Length  
(W) 59mm Width  
(H) 70mm Height



Cat. No.	Type	Watts	Colour	Lumens	lm/W	Beam	Length (ft)
<b>AU-LN1230CS</b> *†	Non-Dim	30W	3000-6500K	3410lm	114	110°	4
<b>AU-LN1540CS</b> *†	Non-Dim	40W	3000-6500K	4360lm	109	110°	5

†Add suffix **EM** for **Emergency** option

\*Add suffix **W** or **BLK** for White or Black finish

Lumen value based on 4000K

Please note: product cannot be surface mounted together in continuous lengths



# Princeton

## Surface Mounted Linear

- Steel housing and high quality polycarbonate diffuser
- Standard version fitted with push-fit terminal block for even faster installation
- Multiple BESA mounting points (matches traditional fluorescent)
- IK06 rated
- Opal polycarbonate diffuser for even light distribution

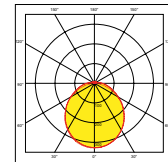
- 5 Year Warranty
- L70 50,000hrs
- 1-10V & DALI dimmable options
- Emergency option
- White finish

PRO Range

Linears

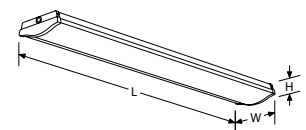


EN-SF1560



Cat. No.	Type	Watts	Colour	Lumens	lm/W	Beam	Length (ft)
<b>Single</b>							
<b>EN-SF1220*/40</b>	Non-Dim	20W	4000K	2200lm	110	110°	4
<b>EN-SF1530*/40</b>	Non-Dim	30W	4000K	3300lm	110	110°	5
<b>EN-SF1840*/40</b>	Non-Dim	40W	4000K	4400lm	110	110°	6
<b>Twin</b>							
<b>EN-SF1240*/40</b>	Non-Dim	40W	4000K	4400lm	110	110°	4
<b>EN-SF1560*/40</b>	Non-Dim	60W	4000K	6600lm	110	110°	5

\*Add suffix **EM** for Emergency, **DA** for DALI or **V** for 1-10V dimmable options



**Single & Twin 1200mm**

- (L) 1188mm Length
- (W) 208mm Width
- (H) 70mm Height

**Single & Twin 1500mm**

- (L) 1488mm Length
- (W) 208mm Width
- (H) 70mm Height

**Single 1800mm**

- (L) 1788mm Length
- (W) 208mm Width
- (H) 70mm Height

3 Year Warranty

L70 35,000hrs

White finish

# Eco8™

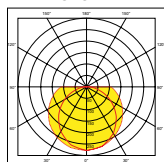
## Economy Battens

Lightweight aluminium body with opal polycarbonate diffuser for even light distribution

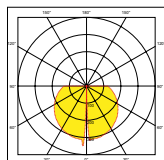
Easy access rear terminal block

Adjustable surface mount clips to suit installation

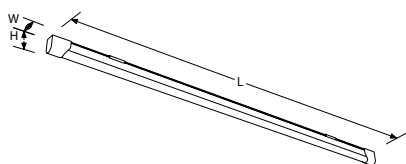
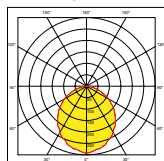
EN-BN610



EN-BN1220



EN-BN1524



**EN-BN610**

(L) 630mm Length  
(W) 28mm Width  
(H) 44mm Height

**EN-BN1220**

(L) 1230mm Length  
(W) 28mm Width  
(H) 44mm Height

**EN-BN1524**

(L) 1534mm Length  
(W) 28mm Width  
(H) 44mm Height

Cat. No.	Type	Watts	Colour	Lumens	lm/W	Length (ft)
<b>EN-BN610/40</b>	Non-Dim	10W	4000K	1000lm	100	2
<b>EN-BN1220/40</b>	Non-Dim	20W	4000K	2000lm	100	4
<b>EN-BN1524/40</b>	Non-Dim	24W	4000K	2400lm	100	5



# Bulkheads



# FEATURE PRODUCTS

**NEW**



## OrbitalCWS™

**PRO** Range

Colour & Wattage Switchable  
IP66 Rated  
Up to 2800lm

pg.83

**NEW**



## MestorCWS™

**PRO** Range

Colour & Wattage Switchable  
IP65 Rated  
Up to 1950lm

pg.85

**NEW**



## UtiliteCS™

**LITE** Range

Colour Switchable  
IP65 Rated  
Up to 2900lm

pg.86

**NEW**



## UtiliteXCS™

**LITE** Range

Colour Switchable  
8m, 120° PIR Detection Range  
Up to 1150lm

pg.91

Bulkheads

## DURABLE LED BULKHEADS **COLOUR & WATTAGE SWITCHABLE**

**Up to 110lm/W**



**Emergency  
Accessory Module  
(AU-EM3 & AU-EM3ST)**

**Microwave  
Accessory Module  
(AU-BHMS)**

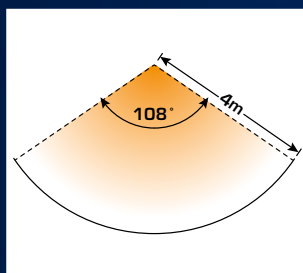
### NEW MODULAR PLUG AND PLAY SOLUTION

Simply adapt the standard OrbitalCWS on site by installing the Emergency and/or Microwave Sensor Modules to create an EM, MS or EMMS fitting.

**UP TO 54 COMBINATIONS** perfect for the wholesaler to control stock levels and store less products, whilst being able to offer a full range to the contractor.



**Quick Connector**  
Fast wiring, quicker installation



**Microwave Version**  
Sensor detection range of 4m, 108°



**Eyelid Accessory**  
Available for all sizes in White or Black finish

# OrbitalCWS™

Colour & Wattage Switchable IP66 Bulkheads

5 Year Warranty

L70 50,000hrs

Emergency options

Microwave sensing option

Colour switchable between 3000K, 4000K and 6500K

Wattage switchable between 10W, 14W and 20W (EN-BH21CWS)

Wattage switchable between 15W, 22W and 28W (EN-BH28CWS)

Rear entry access wiring compartment allows for easy installation

Separate 20mm conduit side entry

IP66 rated

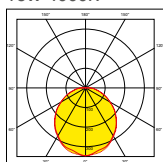
IK10 rated

-20 to +45 ambient operating temperature

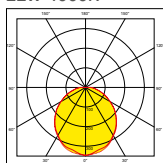
Microwave sensor 108° detection beam range up to 4m

Plug and play emergency, emergency self test and microwave sensing packs available

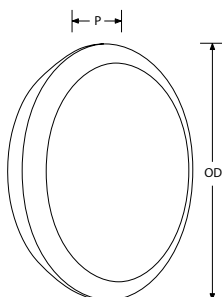
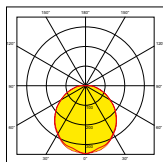
15W 4000K



22W 4000K



28W 4000K

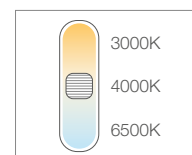


**AU-BH21CWS**

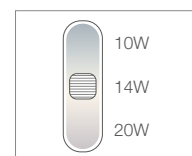
(OD) 300mm Overall Ø  
(P) 95mm Projection

**AU-BH28CWS**

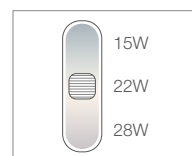
(OD) 360mm Overall Ø  
(P) 105mm Projection



Colour Switchable



Wattage Switchable  
**AU-BH21CWS**



Wattage Switchable  
**AU-BH28CWS**



Cat. No.	Watts	Colour	Lumens	lm/W
<b>Non-Dimmable Colour &amp; Wattage Switchable</b>				
<b>AU-BH21CWS*</b>	10W	3000-6500K	1100lm	110
	14W	3000-6500K	1500lm	107
	20W	3000-6500K	2000lm	100
<b>AU-BH28CWS*</b>	15W	3000-6500K	1600lm	107
	22W	3000-6500K	2300lm	105
	28W	3000-6500K	2800lm	100

**Accessories**

**EN-BZE15\*** Orbital™ 300mm Eyelid Bezel Accessory for AU-BH21CWS

**EN-BZE25\*** Orbital™ 360mm Eyelid Bezel Accessory for AU-BH28CWS

**AU-EM3** Emergency Pack for OrbitalCWS™ & MestorCWS™

**AU-EM3ST** Emergency Self Test Pack for OrbitalCWS™ & MestorCWS™

**AU-BHMS** Microwave Sensor Pack for OrbitalCWS™

\*Add suffix **W** or **BLK** for White or Black finishes  
Lumen value based on 4000K



## MULTI-PURPOSE LED BULKHEAD COLOUR & WATTAGE SWITCHABLE

Up to 100lm/W



Emergency  
Accessory Module  
(AU-EM3 & AU-EM3ST)

Microwave  
Accessory Module  
(AU-BHEMSC)

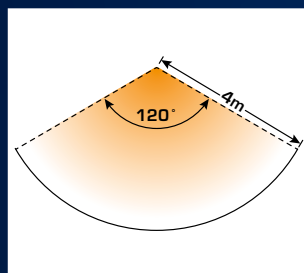
### NEW MODULAR PLUG AND PLAY SOLUTION

Simply adapt the standard MestorCWS on site by installing the Emergency and/or Microwave Sensor Modules to create an EM, MS or EMMS fitting.

**UP TO 54 COMBINATIONS** perfect for the wholesaler to control stock levels and store less products, whilst being able to offer a full range to the contractor



**Quick Connector**  
Fast wiring, quicker installation



**Microwave Version**  
Sensor detection range of 4m, 120°



**Halo Effect**  
Illumination from the front and back of the fitting

# MestorCWS™

Colour & Wattage Switchable IP65 Bulkheads

5 Year Warranty

L70 30,000hrs

Emergency options

Microwave corridor sensing option

White finish

Colour switchable between 3000K, 4000K and 6500K

Wattage switchable between 12W, 16W and 20W

IP65 rated

IK10 rated

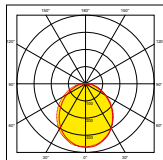
-20 - +40° ambient operating temperature

Microwave sensor 120° detection beam range up to 4m

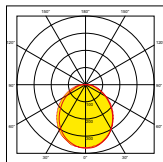
Plug and play emergency, emergency self test and microwave corridor sensing packs available



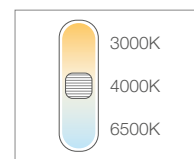
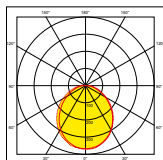
12W 4000K



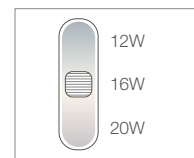
16W 4000K



20W 4000K



Colour Switchable



Wattage Switchable

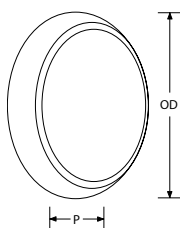


Cat. No.	Watts	Colour	Lumens	lm/W
<b>Non-Dimmable Colour &amp; Wattage Switchable</b>				
<b>AU-BHE20CWS</b>	12W	3000-6500K	1200lm	100
	16W	3000-6500K	1600lm	100
	20W	3000-6500K	1950lm	98

**Accessories**

- AU-EM3** Emergency Pack for OrbitalCWS™ & MestorCWS™
- AU-EM3ST** Emergency Self Test Pack for OrbitalCWS™ & MestorCWS™
- AU-BHEMSC** Microwave Corridor Sensor for MestorCWS™

Lumen value based on 4000K



**AU-BHE20CWS**  
(OD) 320mm Overall Ø  
(P) 80mm Projection

**LITE** Range  
Bulkheads

# UtiliteCS™

## Colour Switchable IP65 Round Utility Bulkheads

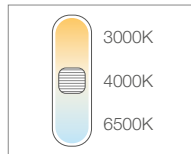
- Colour switchable between 3000K, 4000K and 6500K
- Polycarbonate body and diffuser
- IP65 rated
- IK06 rated
- Pre-wired with 200mm cable
- 20° - +40° ambient operating temperature
- Integrated driver for slim profile
- Interchangeable bezel accessories available



**COMING  
SPRING  
2023**



**NEW**



Colour Switchable



Round Bezel



Eyelid



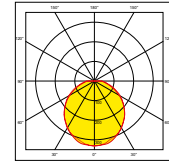
Grille

3 Year Warranty

L70 25,000hrs

Black or White bezel  
finish options

AU-BH115CS



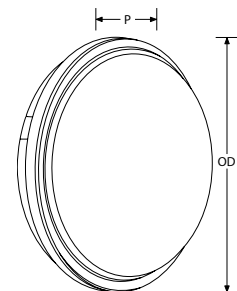
Cat. No.	Watts	Colour	Lumens	lm/W
<b>Non-Dimmable</b>				
<b>AU-BH108CS</b>	8W	3000-6500K	1000lm	125
<b>AU-BH115CS</b>	15W	3000-6500K	1650lm	110
<b>AU-BH120CS</b>	20W	3000-6500K	2300lm	115
<b>AU-BH130CS</b>	30W	3000-6500K	2900lm	97

### Bezels for Round Bulkheads

<b>EN-BZ115BLK</b>	Utilite™CS Round Bezel for AU-BH108CS & AU-BH115CS
<b>EN-BZE115*</b>	Utilite™CS Eyelid Bezel for AU-BH108CS & AU-BH115CS
<b>EN-BZG115*</b>	Utilite™CS Grille Bezel for AU-BH108CS & AU-BH115CS
<b>EN-BZ120BLK</b>	Utilite™CS Round Bezel for AU-BH120CS
<b>EN-BZE120*</b>	Utilite™CS Eyelid Bezel for AU-BH120CS
<b>EN-BZG120*</b>	Utilite™CS Grille Bezel for AU-BH120CS
<b>EN-BZ130BLK</b>	Utilite™CS Round Bezel for AU-BH130CS
<b>EN-BZE130*</b>	Utilite™CS Eyelid Bezel for AU-BH130CS
<b>EN-BZG130*</b>	Utilite™CS Grille Bezel for AU-BH130CS

\*Add suffix **W** or **BLK** for White or Black finishes.

Lumen value based on 4000K



**AU-BH108CS**

(OD) 167mm Overall Ø  
(P) 62mm Projection

**AU-BH115CS**

(OD) 167mm Overall Ø  
(P) 62mm Projection

**AU-BH120CS**

(OD) 221mm Overall Ø  
(P) 72mm Projection

**AU-BH130CS**

(OD) 300mm Overall Ø  
(P) 80mm Projection

3 Year Warranty

L70 25,000hrs

Black or White bezel  
finish options

# UtiliteCS™

Colour Switchable IP65 Oval Utility Bulkheads

Colour switchable between 3000K, 4000K and 6500K

Polycarbonate body and diffuser

IP65 rated

IK06 rated

Pre-wired with 200mm cable

-20° - +40° ambient operating temperature

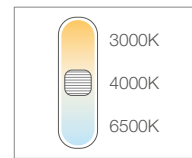
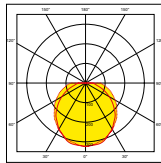
Integrated driver for slim profile

Interchangeable bezel accessories available



**COMING  
SPRING  
2023**

AU-BH215CS



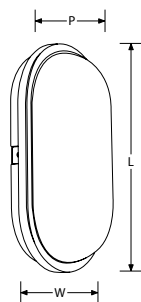
Colour Switchable



Oval Bezel



Grille



**AU-BH208CS**

(L) 215mm Length  
(W) 115mm Width  
(P) 62mm Projection

**AU-BH215CS**

(L) 215mm Length  
(W) 115mm Width  
(P) 62mm Projection

**AU-BH220CS**

(L) 271mm Length  
(W) 146mm Width  
(P) 76mm Projection



Cat. No.	Watts	Colour	Lumens	lm/W
<b>Non-Dimmable</b>				
<b>AU-BH208CS</b>	8W	3000-6500K	1000lm	125
<b>AU-BH215CS</b>	15W	3000-6500K	1650lm	110
<b>AU-BH220CS</b>	20W	3000-6500K	2300lm	115

**Bezels for Oval Bulkheads**

<b>EN-BZ215BLK</b>	Utilite™CS Oval Bezel for AU-BH208CS & AU-BH215CS
<b>EN-BZ220BLK</b>	Utilite™CS Oval Bezel for AU-BH220CS
<b>EN-BZG215*</b>	Utilite™CS Grille Bezel for AU-BH208CS & AU-BH215CS
<b>EN-BZG220*</b>	Utilite™CS Grille Bezel for AU-BH220CS

\*Add suffix **W** or **BLK** for White or Black finishes.

Lumen value based on 4000K



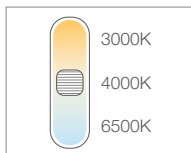
# HerculesCS™

Colour Switchable Die Cast Aluminium IP65 Bulkheads

- Colour switchable between 3000K, 4000K and 6500K
- Aluminium body and polycarbonate diffuser
- Rear entry access wiring compartment allows for easy installation
- IP65 rated
- IK10 rated
- Microwave sensor 108° detection beam range up to 4m
- Adjustable hold time 5 seconds to 10 minutes for microwave option
- Adjustable light detector from 25 lux for microwave option
- 25° to +45° ambient operating temperature



**COMING  
SPRING  
2023**



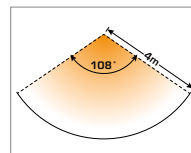
Colour Switchable



IP65 Round



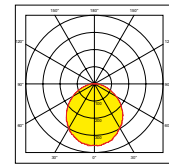
IP65 Eyelid



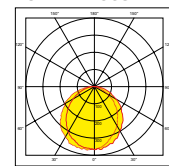
Microwave version  
detection range

- 5 Year Warranty
- L80 50,000hrs
- Emergency option
- Microwave sensing option
- Eyelid option
- Black finish

AU-BHD18CS



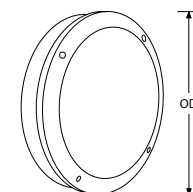
AU-BHDE18CS



**NEW**

Cat. No.	Type	Watts	Colour	Lumens	lm/W	Shape
<b>Non-Dimmable</b>						
<b>AU-BHD18CS</b>	Non-Dim	19W	3000-6500K	1900	100	Round
<b>AU-BHD18CSEM</b>	Emergency	20W	3000-6500K	1900	95	Round
<b>AU-BHD18CSMS</b>	Microwave	20W	3000-6500K	1900	95	Round
<b>AU-BHDE18CS</b>	Non-Dim	19W	3000-6500K	1700	89	Eyelid
<b>AU-BHDE18CSEM</b>	Emergency	20W	3000-6500K	1700	85	Eyelid
<b>AU-BHDE18CSMS</b>	Microwave	20W	3000-6500K	1700	85	Eyelid

Lumen value based on 4000K



**AU-BHD18CS**

(OD) 300mm Overall Ø  
(P) 90mm Projection

**AU-BHDE18CS**

(OD) 300mm Overall Ø  
(P) 90mm Projection

# UtiliteDrum™

Round/Square IP65 Utility Bulkheads

3 Year Warranty

L70 25,000hrs

Emergency option

Microwave sensing option

Black or White finish options

Round or square options

Polycarbonate body and diffuser

20mm conduit side entries

IP65 rated

IK10 rated

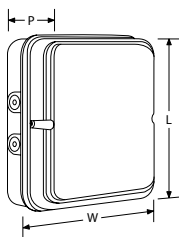
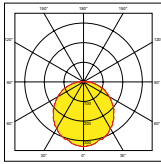
Microwave sensor 150° detection beam range up to 6m

Adjustable hold time 5 seconds to 30 minutes for microwave option

Adjustable light detector from 2-50 lux for microwave option

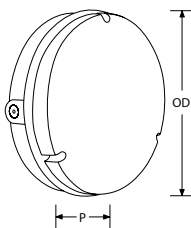
-20 - +45° ambient operating temperature

EN-BH18S



EN-BH18S

(L) 255mm Length  
(W) 255mm Width  
(P) 95mm Projection



EN-BH18R

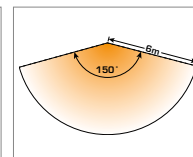
(OD) 285mm Overall Ø  
(P) 86mm Projection



Square



Round



Microwave version  
detection range

Cat. No.	Type	Watts	Colour	Lumens	lm/W	Shape
<b>Non-Dimmable</b>						
<b>EN-BH18S*/40</b>	Non-Dim	18W	4000K	1300lm	72	Square
<b>EN-BH18S*/40MS</b>	Microwave	18W	4000K	1300lm	72	Square
<b>EN-BH18S*/40EM</b>	Emergency	20W	4000K	1300lm	65	Square
<b>EN-BH18R*/40</b>	Non-Dim	18W	4000K	1300lm	72	Round
<b>EN-BH18R*/40MS</b>	Microwave	18W	4000K	1300lm	72	Round
<b>EN-BH18R*/40EM</b>	Emergency	20W	4000K	1300lm	65	Round

**Accessories**

**EN-VPS2**

Anti-vandal Screws for UtiliteDrum™

\*Add suffix **W** or **BLK** for White or Black finish



# UtiliteXL™

IP65 LED Wall Pack

Die cast aluminium body and polycarbonate diffuser

Side and rear entry

IP65 rated

IK10 rated

Photocell sensor from 5 lux on - 30 lux off

-20 - +45° ambient operating temperature

3 Year Warranty

L70 50,000hrs

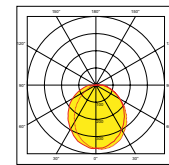
Photocell option

Emergency option

Black finish



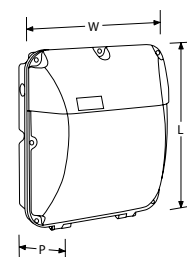
EN-WP103



**PRO**  
Range

Bulkheads

Cat. No.	Watts	Colour	Lumens	lm/W
<b>Non-Dimmable</b>				
<b>EN-WP103/40</b>	Non-Dim	30W	2550lm	85
<b>EN-WP103EM/40</b>	Emergency	30W	2550lm	85
<b>EN-WP103PH/40</b>	Photocell	30W	2550lm	85



**EN-WP103**

(L) 309mm Length

(W) 264mm Width

(P) 115mm Projection

# UtiliteXCS™

Colour Switchable IP65 PIR Bulkheads

3 Year Warranty

L70 25,000hrs

PIR sensing as standard

Black or White finish options

Colour switchable between 3000K, 4000K and 6500K

Polycarbonate body and diffuser

IP65 rated

IK06 rated

Pre-wired with 800mm of cable

PIR sensor 120° detection beam range up to 5m

Adjustable light detector from 0 to 350 lux

Adjustable hold time 10 seconds to 3 minutes

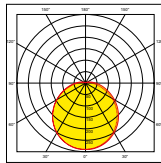
-20 - +40° ambient operating temperature



**COMING  
SPRING  
2023**

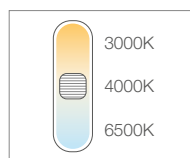


AU-BH10PIRCS



LITE Range

Bulkheads



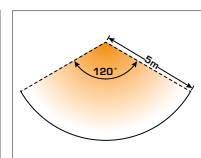
Colour Switchable



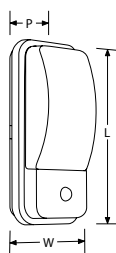
White Finish



PIR mode selector  
settings for daylight  
and time



PIR sensor detection  
range



**AU-BH10PIRCS**

- (L) 300mm Length
- (W) 150mm Width
- (P) 86mm Projection



Cat. No.	Watts	Colour	Lumens	lm/W	Finish
<b>Non-Dimmable</b>					
<b>AU-BH10PIRCSBLK</b>	10W	3000-6500K	1100	110	Black
<b>AU-BH10PIRCSW</b>	10W	3000-6500K	1150	115	White

Lumen value based on 4000K



# Highbays



# FEATURE PRODUCTS



**Cosmos™**

**PRO** Range  
1-10V Dimmable  
100W, 150W & 200W  
Up to 27000lm

pg.96

**NEW**



**Cosmos™**

**LITE** Range  
IP65 Non-Dimmable  
100W, 150W & 200W  
Up to 26000lm

pg.97

Highbays

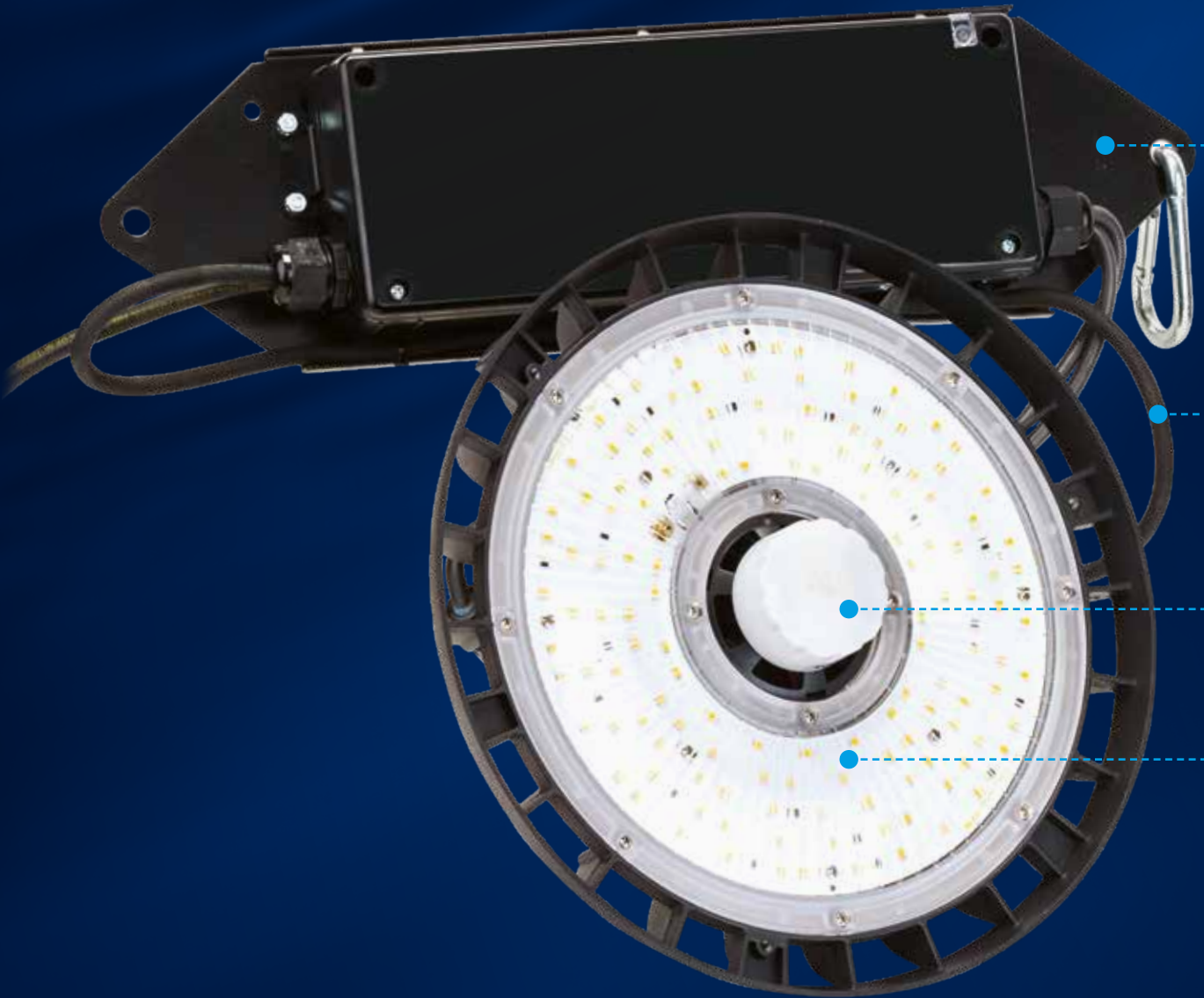
OFFERING SOLUTIONS

**PROVIDING RESULTS**

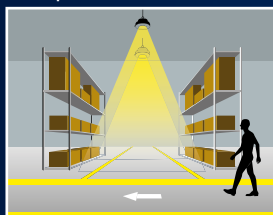
**Up to 135lm/W**

**PRO**  
Range

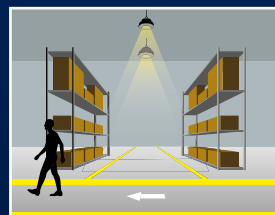
Highbays



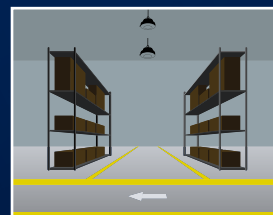
Example Sensor Installation



Motion detected, lighting comes on at 100%



After hold time, lighting dims if no further movement is detected



After standby period no motion is detected, lighting switches off

# COMPLETE SOLUTION



Standard

Emergency

Microwave

Microwave & Emergency

The Cosmos™ product range offers more flexibility than before, with four variants offering energy savings and security benefits. With 1-10V dimmable, emergency, microwave and emergency microwave options - lighting warehouses has never been so flexible.

Emergency pack can be surface mounted or suspended

Pre-wired with 1.5m of cable

Microwave sensor

120° lens supplied, can be changed to a 60° or 90° (lenses sold separately)



### 1-10V Dimmable

A consistent form of dimming down to 10% of its output, all the way back up to 100%.



### Customisable Microwave Option

Mountable with up to 14m for range of detection, with daylight harvesting technology it's lux level can go from 2-120 lux.



### Microwave Sensing Control

A single remote can program multiple units together for an energy saving solution with the microwave sensor Cosmos™



### Emergency Options

With this range you can have a dedicated emergency option or an emergency microwave option.



### Accessories

Depending on the wattage highbay you require, there is 60 and 90 degree lens and a mounting bracket available.

# Cosmos™

High Power 1-10V Dimmable LED Highbay

IP65 rated

IK10 rated

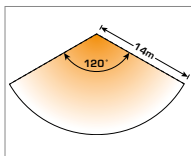
Pre-wired with 1.5m cable

Microwave sensor 120° detection beam range up to 14m

-40° to +50° ambient working temperature

Optional 60° and 90° lens available (sold separately)

## 1-10V Dimmable, 135lm/W



Microwave version  
detection range



Mounting bracket



Microwave Sensor

5 Year Warranty

L80 50,000hrs

1-10V Dimmable

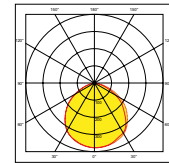
Emergency option

Microwave sensing option

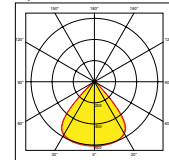
Emergency microwaving  
sensing option

Black finish

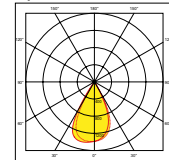
Standard 120° Lens



Optional 90° Lens



Optional 60° Lens



Cat. No.	Watts	Colour	Lumens	lm/W	Beam Angle	Net Weight
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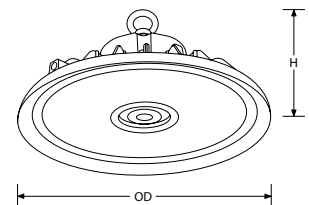
**1-10V Dimmable**

<b>EN-HBD100*/40</b>	100W	4000K	13500lm	135	120°	2.45kg
<b>EN-HBD150*/40</b>	150W	4000K	20250lm	135	120°	2.50kg
<b>EN-HBD200*/40</b>	200W	4000K	27000lm	135	120°	2.80kg

**Accessories**

<b>EN-HBD60A</b>	60° Lens for Cosmos™ EN-HBD100 & EN-HBD150
<b>EN-HBD60B</b>	60° Lens for Cosmos™ EN-HBD200
<b>EN-HBD90A</b>	90° Lens for Cosmos™ EN-HBD100 & EN-HBD150
<b>EN-HBD90B</b>	90° Lens for Cosmos™ EN-HBD200
<b>EN-HBDMB1</b>	Mounting Bracket for Cosmos™ EN-HBD100 & EN-HBD150
<b>EN-HBDMB2</b>	Mounting Bracket for Cosmos™ EN-HBD200
<b>EN-HBDRC</b>	Remote Controller for Cosmos™ Microwave Highbay

\*Add suffix **EM**, **MS** or **EMMS** for Emergency, Microwave Sensor or Emergency Microwave Sensor



**EN-HBD100**  
(H) 160mm Height  
(OD) 280mm Overall (Ø)

**EN-HBD150**  
(H) 160mm Height  
(OD) 280mm Overall (Ø)

**EN-HBD200**  
(H) 170mm Height  
(OD) 330mm Overall (Ø)

5 Year Warranty

L70 50,000hrs

Black finish

# Cosmos™

Non-Dimmable IP65 Highbays

IP65 rated

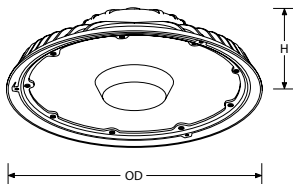
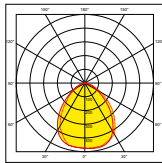
IK08 rated

-20° to +35° ambient working temperature

**COMING  
SPRING  
2023**

## Non-Dimmable, 130lm/W

EN-HBE150B



**EN-HBE100B**

(H) 97mm Height  
(OD) 250mm Overall (Ø)

**EN-HBE150B**

(H) 98mm Height  
(OD) 295mm Overall (Ø)

**EN-HBE200B**

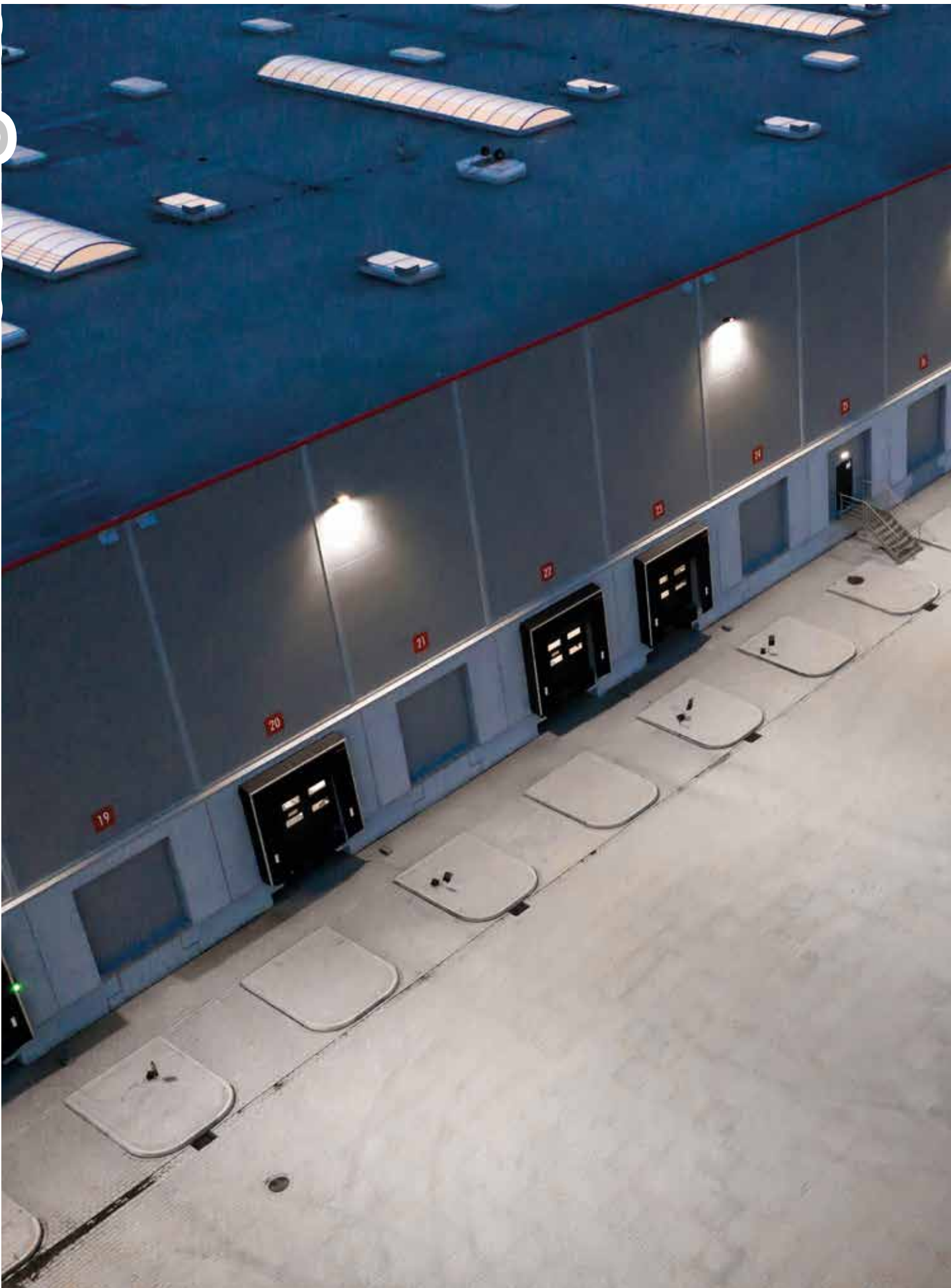
(H) 98mm Height  
(OD) 320mm Overall (Ø)



Cat. No.	Watts	Colour	Lumens	lm/W	Beam Angle	Net Weight
<b>Non-Dimmable</b>						
<b>EN-HBE100B/40</b>	100W	4000K	13000lm	130	100°	1.46kg
<b>EN-HBE150B/40</b>	150W	4000K	19500lm	130	100°	2.05kg
<b>EN-HBE200B/40</b>	200W	4000K	26000lm	130	100°	2.52kg



# Floodlights



# FEATURE PRODUCTS



Floodlights



**Proxima™**

**PRO** Range  
Salt Spray Tested & Approved  
IP65 & IK08 Rated  
Up to 26000lm

pg.100



**Vela™**

**LITE** Range  
Aluminium Housing  
Tempered Frosted Glass  
Up to 6000lm

pg.102



**VelaPIR™**

**LITE** Range  
PIR NOW IP65  
Driverless  
Up to 5000lm

pg.103

# Proxima™

Aluminium IP65 Floodlights

- Aluminium housing for excellent heat dissipation
- Tempered glass lens cover
- IP65 rated
- IK08 rated
- Pre-wired with 800mm of cable
- Salt spray tested and approved for use in coastal areas

5 Year Warranty

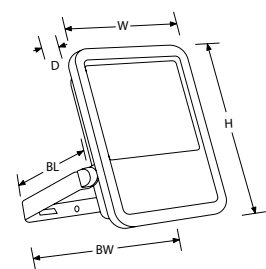
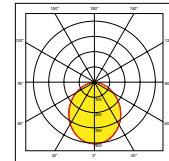
L80 50,000hrs

Black finish



Mounting bracket and cable entry

EN-FLP200



EN-FLP50

- (H) 153mm Height
- (W) 195mm Width
- (D) 47mm Depth
- (BL) 96mm Bracket Length
- (BW) 200mm Bracket Width

EN-FLP100

- (H) 300mm Height
- (W) 275mm Width
- (D) 65mm Depth
- (BL) 193mm Bracket Length
- (BW) 290mm Bracket Width

EN-FLP200

- (H) 370mm Height
- (W) 335mm Width
- (D) 65mm Depth
- (BL) 190mm Bracket Length
- (BW) 354mm Bracket Width

Cat. No.	Watts	Colour	Lumens	lm/W
<b>Non-Dimmable</b>				
<b>EN-FLP50/40</b>	50W	4000K	6000lm	120
<b>EN-FLP100/40</b>	100W	4000K	13000lm	130
<b>EN-FLP200/40</b>	200W	4000K	26000lm	130





# Vela™

## Aluminium IP65 Floodlights

- Aluminium housing for excellent heat dissipation
- Tempered frosted glass
- IP65 rated
- IK06 rated (20-50W versions)
- IK05 rated (10W version)
- Pre-wired with 800mm of cable
- Salt spray tested and approved for use in coastal areas

**LITE**  
Range

3 Year Warranty

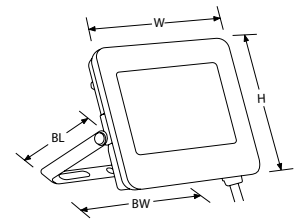
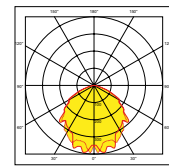
L70 30,000hrs

Black finish



Mounting bracket and cable entry

EN-FLV20



**EN-FLV10**

- (H) 70mm Height
- (W) 90mm Width
- (D) 24mm Depth
- (BL) 64mm Bracket Length
- (BW) 95mm Bracket Width

**EN-FLV20**

- (H) 88mm Height
- (W) 121mm Width
- (D) 25mm Depth
- (BL) 73mm Bracket Length
- (BW) 125mm Bracket Width

**EN-FLV30**

- (H) 118mm Height
- (W) 160mm Width
- (D) 25mm Depth
- (BL) 91mm Bracket Length
- (BW) 166mm Bracket Width

**EN-FLV50**

- (H) 143mm Height
- (W) 196mm Width
- (D) 29mm Depth
- (BL) 115mm Bracket Length
- (BW) 202mm Bracket Width

Cat. No.	Watts	Colour	Lumens	lm/W
<b>Non-Dimmable</b>				
<b>EN-FLV10/40</b>	10W	4000K	1150lm	115
<b>EN-FLV20/40</b>	20W	4000K	2400lm	120
<b>EN-FLV30/40</b>	30W	4000K	3450lm	115
<b>EN-FLV50/40</b>	50W	4000K	6000lm	120



3 Year Warranty

L70 30,000hrs

PIR sensing as standard

Black finish

# VelaPIR™

Aluminium IP65 PIR Floodlight

Aluminium housing for excellent heat dissipation

Tempered frosted glass

Floodlight & PIR IP65 rated

IK06 rated (20-50W versions)

IK05 rated (10W version)

PIR 140° detection beam range up to 10m

Pre-wired with 800mm of cable

Manual override function

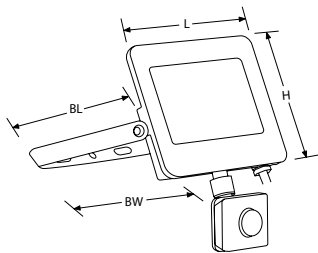
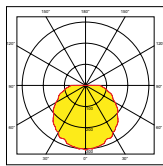
Salt spray tested and approved for use in coastal areas

**COMING  
SPRING  
2023**

## PIR NOW IP65



EN-FLV10P



**EN-FLV10P**

- (H) 70mm Height
- (W) 90mm Width
- (D) 24mm Depth
- (BL) 120mm Bracket Length
- (BW) 95mm Bracket Width

**EN-FLV20P**

- (H) 88mm Height
- (W) 121mm Width
- (D) 25mm Depth
- (BL) 130mm Bracket Length
- (BW) 125mm Bracket Width

**EN-FLV30P**

- (H) 118mm Height
- (W) 160mm Width
- (D) 25mm Depth
- (BL) 148mm Bracket Length
- (BW) 166mm Bracket Width

**EN-FLV50P**

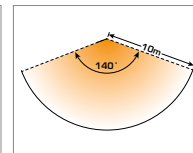
- (H) 143mm Height
- (W) 196mm Width
- (D) 29mm Depth
- (BL) 155mm Bracket Length
- (BW) 202mm Bracket Width



IP65 PIR



PIR controls



PIR sensor  
detection range

Cat. No.	Watts	Colour	Lumens	lm/W
<b>Non-Dimmable</b>				
<b>EN-FLV10P/40</b>	10W	4000K	950lm	95
<b>EN-FLV20P/40</b>	20W	4000K	1900lm	95
<b>EN-FLV30P/40</b>	30W	4000K	3000lm	100
<b>EN-FLV50P/40</b>	50W	4000K	5000lm	100



# Wall Lights



# FEATURE PRODUCTS



Wall Lights



**Walle™ CS**

**PRO Range**  
Colour Switchable  
Slim Aluminium Body  
Delivering 650lm

pg.106



**Klay™**

**PRO Range**  
Multi-Directional  
Adjustable Reflectors  
Up to 1280lm

pg.109



**Walle™**

**PRO Range**  
Stainless Steel or Aluminium  
Fixed / Adjustable  
GU10

pg.110



**Waiz™ CS**

**PRO Range**  
Colour Switchable  
Aluminium Body  
Up to 175lm

pg.112

# WallE™ CS

Colour Switchable Up/Down IP65 Wall Lights

Colour switchable between 2700K, 3300K and 4000K

Slim aluminium body with clear polycarbonate diffuser  
(not suitable for coastal applications)

IP65 rated

IK08 rated

Supplied with integrated non-dimmable driver



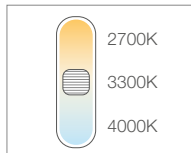
3 Year Warranty

L70 50,000hrs

Black, White & Grey  
finish options

**PRO**  
Range

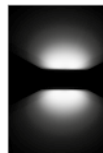
Wall Lights



Colour Switchable



Fixed Up/Down  
Side profile

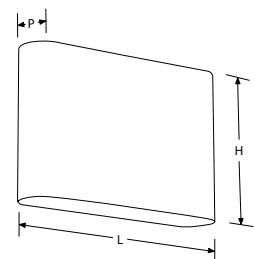


Light Effect

Cat. No.	Description	Watts	Colour	Lumens
<b>Non-Dimmable Colour Switchable</b>				
<b>EN-WL6CS*</b>	Up/Down	6W	2700-4000K	650lm

\*Add suffix **W**, **BLK** or **G** for White, Black or Grey finishes.

Lumen value based at 4000K



**EN-WL6CS**

- (L) 135mm Length
- (H) 90mm Height
- (P) 31mm Projection

3 Year Warranty

L70 30,000hrs

Black, White & Grey  
finish options

# WallE™

## Up/Down IP65 Wall Lights

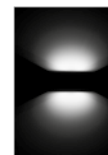
Slim aluminium body with clear polycarbonate diffuser  
(not suitable for coastal applications)

IP65 rated

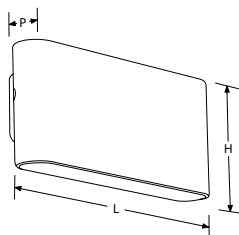
Supplied with integrated non-dimmable driver



Fixed Up/Down  
Side profile



Light Effect



**EN-WL82**

- (L) 178mm Length
- (H) 90mm Height
- (P) 50mm Projection

Cat. No.	Description	Watts	Colour	Lumens
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**Non-Dimmable**

<b>EN-WL82*/40</b>	Up/Down	12W	4000K	550lm
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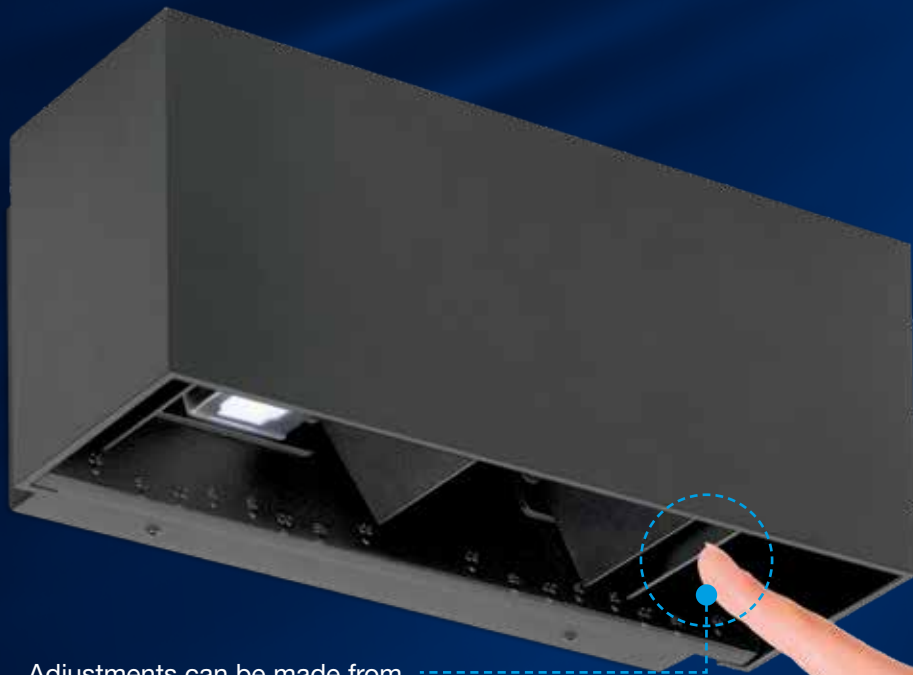
\*Add suffix **W**, **BLK** or **G** for White, Black or Grey finishes.



## MULTI-DIRECTIONAL DECORATIVE WALL LIGHT

PRO Range

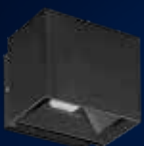
Wall Lights



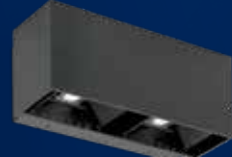
Adjustments can be made from the top or bottom of the product

### Adjustable Reflectors

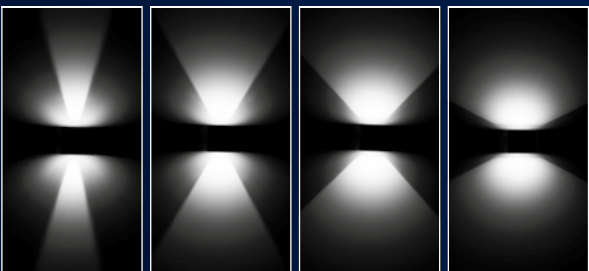
Simple adjustment of the reflectors changes the distribution of light



Single



Twin

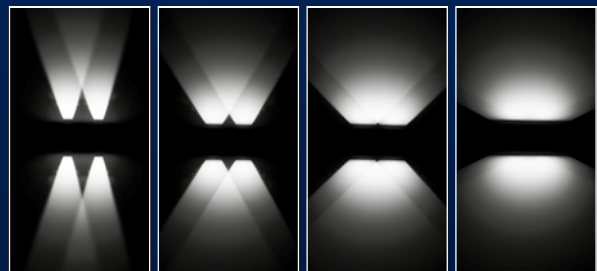


15°

30°

45°

60°



15°

30°

45°

60°

3 Year Warranty

L70 50,000hrs

Black finish

Single or Twin options

# Klay™

## Multi-Directional IP65 Wall Lights

High quality die cast aluminium body

Direct and indirect lighting

Manual adjustment of reflectors for desired beam angle effect

IP65 rated

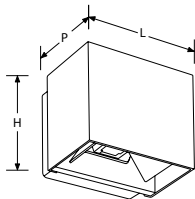
IK06 rated

Supplied with integrated non-dimmable driver



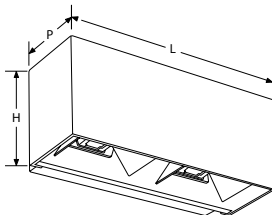
Single

Twin



**EN-WL10**

(L) 120mm Length  
(H) 100mm Height  
(P) 98mm Projection



**EN-WL18**

(L) 242mm Length  
(H) 100mm Height  
(P) 98mm Projection

Cat. No.	Description	Watts	Colour	Lumens	Finish
<b>Non-Dimmable</b>					
<b>EN-WL10BLK/30</b>	Single	10W	3000K	730lm	Black
<b>EN-WL10BLK/40</b>	Single	10W	4000K	860lm	Black
<b>EN-WL18BLK/30</b>	Twin	18W	3000K	1250lm	Black
<b>EN-WL18BLK/40</b>	Twin	18W	4000K	1280lm	Black



# WallE™

## Adjustable & Up/Down IP44 Wall Lights

304 stainless steel or aluminium (not suitable for coastal applications)

IP44 rated

Screw on cover for easy lamp change



**Smart Lamps**

**Bluetooth**  
Lamp option  
See pg.181



**Pro/Lite Lamps**

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



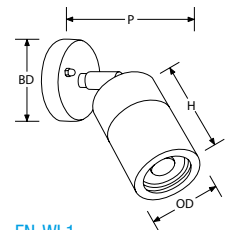
Adjustable Wall



Adjustable Ceiling



Up/Down



**EN-WL1**

- (H) 95mm Height
- (P) 170mm Projection
- (BD) 75mm Base Ø
- (OD) 60mm Overall Ø

**EN-WL2**

- (H) 160mm Height
- (P) 90mm Projection
- (BD) 75mm Base Ø
- (OD) 60mm Overall Ø

Cat. No.	Description
<b>EN-WL1*</b>	IP44 Adjustable
<b>EN-WL2*</b>	IP44 Up/Down

\*Add suffix **W**, **BLK**, **G** or **SS** for White Aluminium, Black Aluminium, Grey Aluminium or Stainless Steel finishes.





# Waiz<sup>TM</sup>CS

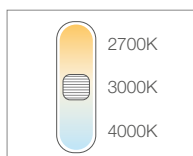
Colour Switchable Low Level Floor Washer

Colour switchable between 2700K, 3000K and 4000K

Aluminium body and diffuser

Slim 5mm square bezel (sold separately)

Designed for use with single gang back boxes (83mm<sup>2</sup> x 35mm)



Colour Switchable



Black Bezel



White Bezel

(Bezel sold separately)

Cat. No.	Watts	Colour	Lumens
<b>Non-Dimmable</b>			
<b>EN-FW1</b>	4W	2700-4000K	145-175lm

#### Accessories

**EN-FWB2\*** Waiz<sup>TM</sup>CS Square Bezel for EN-FW1

\*Add suffix **W** or **BLK** for White or Black finishes.

Please note: Lumens value dependant on the bezel colour applied to product.



**PRO**  
Range

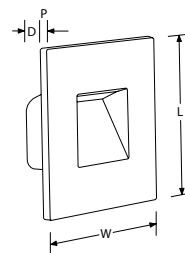
5 Year Warranty

L70 50,000hrs

Black or White bezel options

PRO Range

Wall Lights



#### EN-FW1 + EN-FWB2

- (L) 85mm Length
- (W) 85mm Width
- (P) 5mm Projection
- (D) 32mm Depth

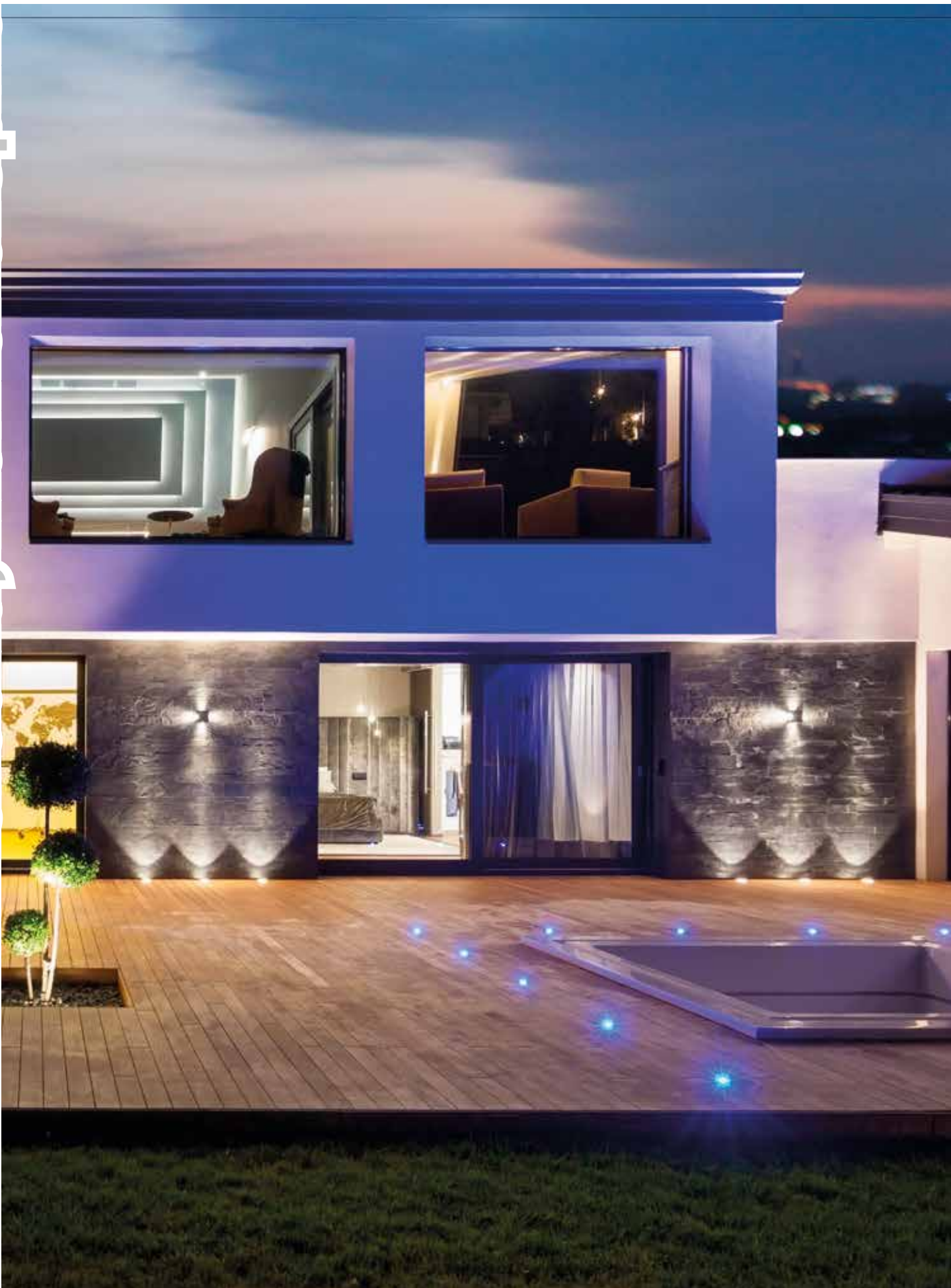
**PRO**  
Range



**PRO** Range

Wall Lights

# Ground, Marker & Spike



# FEATURE PRODUCTS



## G-Lite™

**PRO** Range

Stainless Steel Driveover  
IP67 Rated  
GU10

pg.116



## M-Lite™ Kit

**LITE** Range

Stainless Steel Markers  
IP67 Rated  
Up to 144lm

pg.119



## S-Lite™

**PRO** Range

304 Stainless Steel  
IP65 Rated  
GU10

pg.122



## S-Lite™

**LITE** Range

Aluminium Spike Light  
IP65 Rated  
GU10

pg.123

Ground, Marker & Spike

**G-Lite™**

Driveover / Walkovers IP65 Lights

- 304 stainless steel (not suitable for coastal applications)
- 316 stainless steel bezel available (sold separately- suitable for coastal applications)
- Toughened glass for use as a driveover light (Maximum weight 2,000kg at 10mph)
- IP65 rated
- IK10 rated
- Loop in loop out connection
- Supplied with plastic mounting sleeve
- Supplied with 2x IP65 cable glands
- Cut-out 76mm without mounting sleeve (84mm with mounting sleeve)

5 Year Warranty

304 Stainless steel finish

316 Stainless steel bezel options

Round or square options

PRO Range

Ground Lights



**Smart Lamps**

**Bluetooth**  
Lamp option  
See pg.181



**Pro/Lite Lamps**

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



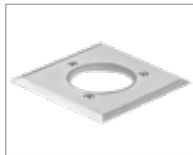
Round



Square



Round Accessory

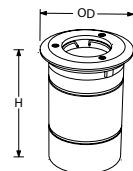


Square Accessory

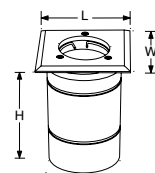
Cat. No.	Input	Cutout [Ø]	Shape
<b>EN-WU021SS</b>	240V	84mm	Round
<b>EN-WU022SS</b>	240V	84mm	Square

**Accessories**

<b>EN-WUBZ21</b>	G-Lite™ 316 Stainless Steel Round Bezel Accessory for EN-WU021SS
<b>EN-WUBZ22</b>	G-Lite™ 316 Stainless Steel Square Bezel Accessory for EN-WU022SS



**EN-WU021**  
(OD) 100mm Overall Ø  
(H) 130mm Height



**EN-WU022**  
(LxW) 100mm x 100mm  
(H) 130mm Height

3 Year Warranty

304 Stainless steel finish

# G-Lite™

Driveover / Walkover IP67 Lights

304 stainless steel (not suitable for coastal applications)

Toughened glass for use as a driveover light (Maximum weight 2,000kg at 10mph)

IP67 rated

IK10 rated

Pre-wired with 1 metre of rubber cable

Supplied with plastic mounting sleeve

Cut-out 85mm without mounting sleeve (90mm with mounting sleeve)



**Smart Lamps**

**Bluetooth**  
Lamp option  
See pg.181

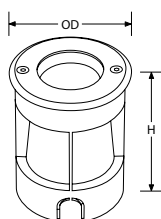


**Pro/Lite Lamps**

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



**EN-RGL1**  
(OD) 100mm Overall Ø  
(H) 130mm Height

Cat. No.	Input	Cutout (Ø)
<b>EN-RGL1</b>	240V	95mm



# M-Lite™

## Walkover IP67 Marker Lights

- 304 stainless steel (not suitable for coastal applications)
- Discreet and small in size (walk over weight up to 100kg)
- IP67 rated
- IK06 rated
- Pre-wired with 600mm of rubber cable
- Supplied with mounting sleeve
- Cut-out 35mm without mounting sleeve (40mm with mounting sleeve)

1 Year Warranty

L70 30,000hrs

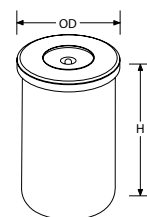
Stainless Steel finish



White

Blue

Cat. No.	Watts	Colour	Lumens	Cutout (Ø)
<b>Non-Dimmable</b>				
<b>EN-ML1/30</b>	2W	3000K	70lm	40mm
<b>EN-ML1/40</b>	2W	4000K	75lm	40mm
<b>EN-ML1/BLU</b>	2W	Blue	-	40mm



**EN-ML1**  
(OD) 42mm Overall Ø  
(H) 100mm Height

1 Year Warranty  
L70 50,000hrs  
Stainless Steel finish

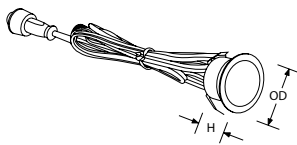
# M-Lite™ Kit

## Marker IP67 Light Kits

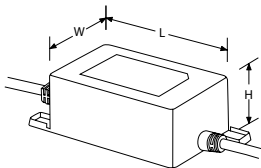
Deck light kit containing 6 or 12 markers  
304 stainless steel (not suitable for coastal applications)  
IP67 rated  
Plug and play connectors  
1 metre cable between lights  
1 x 5W IP67 driver (included) for 6 pack kit  
1 x 8W IP67 driver (included) for 12 pack kit  
Daisy-chain for simple installation



IP67 Interconnecting plug IP67 Driver



**EN-DK6 / EN-DK12**  
(OD) 30mm Overall Ø  
(H) 19mm Height



**EN-DK6 Driver**  
(L) 66mm Length  
(W) 35mm Width  
(H) 26mm Height  
**EN-DK12 Driver**  
(L) 82mm Length  
(W) 46mm Width  
(H) 29mm Height

Cat. No.	Watts/Kit	Colour	Lumens/Kit	Cutout (Ø)	No. of Markers
<b>Non-Dimmable</b>					
<b>EN-DK6/30</b>	3.6W	3000K	72lm	25mm	6
<b>EN-DK6/40</b>	3.6W	4000K	72lm	25mm	6
<b>EN-DK6/BLU</b>	3.6W	Blue	-	25mm	6
<b>EN-DK12/30</b>	7.2W	3000K	144lm	25mm	12
<b>EN-DK12/40</b>	7.2W	4000K	144lm	25mm	12
<b>EN-DK12/BLU</b>	7.2W	Blue	-	25mm	12



# M-Lite™

## IP68 Marker Lights

316 stainless steel (suitable for coastal applications)

IP68 rated

IK06 rated

Pre-wired with 1 metre of rubber cable

Submersible to a depth of 1 metre

3 Year Warranty

L70 50,000hrs

316 Stainless Steel finish

Round or square options

Warm White, Cool White,  
Daylight White & Blue  
colour options

PRO Range

Marker Lights



1W Round Blue



1W Square

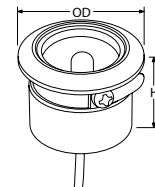


350mA See pg.164

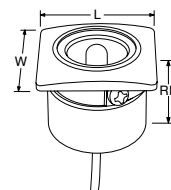
Cat. No.	Watts	No. of LEDs	Colour	Lumens	No. of Fittings per driver	Cutout [Ø]	Input	Type
AU-LED09IP								
<b>EN-WU682BR/30</b>	1W	1	3000K	80lm	1-5	26mm	350mA	Round
<b>EN-WU682BR/50</b>	1W	1	5000K	80lm	1-5	26mm	350mA	Round
<b>EN-WU682BR/BLU</b>	1W	1	Blue	-	1-5	26mm	350mA	Round
<b>EN-WU682BS/40</b>	1W	1	4000K	90lm	1-5	26mm	350mA	Square



Exempt



**EN-WU682BR**  
(OD) 31mm Overall Ø  
(H) 25mm Height



**EN-WU682BS**  
(LxW) 31 x 31mm  
(H) 25mm Height



# S-Lite™

Steel IP65 Spike Light

304 stainless steel (not suitable for coastal applications)

IP65 rated

Supplied with spike - option to use as a surface mount or with spike

Pre-wired with 1 metre of rubber cable

3 Year Warranty

304 Stainless steel finish

Surface or spike mounted



**Smart Lamps**

**Bluetooth**  
Lamp option  
See pg.181



**Pro/Lite Lamps**

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198

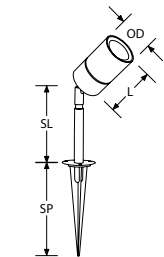
**PRO**  
Range

Spike Lights



Cat. No.      Input      Adjustment

**EN-SLSS1**      240V      90°



**EN-SLSS1**  
(L) 95mm Length  
(OD) 60mm Overall Ø  
(SL) 157mm Stem Length  
(SP) 173mm Spike Length

3 Year Warranty

Black finish

Surface or spike mounted

# S-Lite™

Die Cast IP65 Spike Light

Die cast aluminium fitting (not suitable for coastal applications)

IP65 rated

Supplied with spike and removable cowl

Pre-wired with 1 metre of rubber cable

Mounting base available (sold separately)



**Smart Lamps**

**Bluetooth**  
Lamp option  
See pg.181

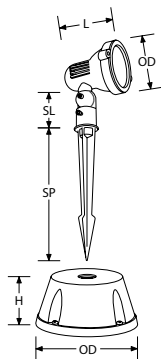


**Pro/Lite Lamps**

**ICE™**  
Lamp options  
See pg.57

**ClearVu™**  
Lamp options  
See pg.58

See luminaire lamp compatibility on pg.198



**EN-SL1**

- (L) 153mm Length
- (OD) 90mm Overall Ø
- (SL) 73mm Stem Length
- (SP) 210mm Spike Length)

**EN-SLM**

- (H) 47mm Height
- (OD) 97mm Overall Ø



Spike Light  
Mounting Base



Spike Light Shown  
With Mounting Base

Cat. No.	Input	Adjustment
<b>EN-SL1</b>	240V	180°

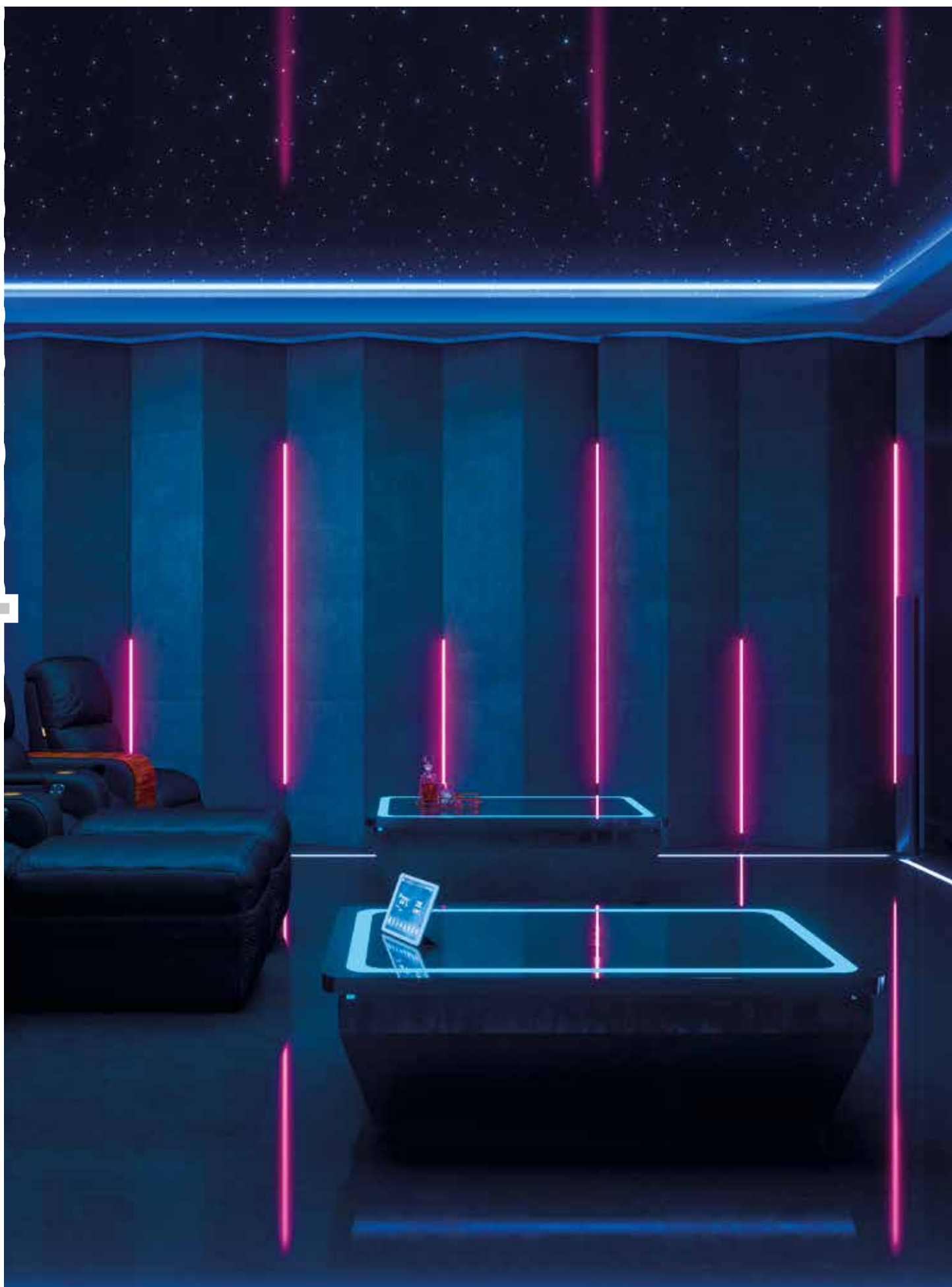
**Accessories**

**EN-SLM**

S-Lite™ Spike Light Mounting Base



# Strip & Undercabinet



# FEATURE PRODUCTS

**NEW**



**LEDline™ COB**

**PRO Range**  
24V Chip on Board CRI80  
RGB / CX / IP67 / Single Colour  
Up to 1260lm/m

pg's. 126-129

**NEW**



**LEDline™**

**PRO Range**  
24V CRI90  
Single Colour  
Up to 2800lm/m

pg's. 130-132



**LEDline™ CX**

**PRO Range**  
24V CRI90  
Tunable White  
Up to 380lm/m

pg. 133



**LEDline™ RGB CX**

**PRO Range**  
24V CRI80  
RGB + Tunable White

pg. 138

Strip & Undercabinet

# LEDline™ COB

## 24V COB Strip

Single colour COB flexible LED strip with 3M™ self adhesive backing  
 COB strip provides a run of continuous light, eliminating LED hot spots  
 Cut points every 50mm for maximum flexibility  
 Beam angle of 150° and 480 LEDs per metre  
 For runs over 5m individual lengths should be connected in parallel  
 Reel length 20m - cutting service available See pg.146

3 Year Warranty

L70 26,500hrs

2700K, 3000K &  
4000K colour options



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST10241/27</b>	12W	480	2700K	1140lm
<b>EN-ST10241/30</b>	12W	480	3000K	1200lm
<b>EN-ST10241/40</b>	12W	480	4000K	1260lm

**Accessories**

<b>EN-ST1024A</b>	LEDLine™ COB Single Colour Strip Connector
<b>EN-ST1024B</b>	LEDLine™ COB Single Colour Wired Strip Connector
<b>EN-ST1024C</b>	LEDLine™ COB Single Colour Inter-Connection Strip Connector

EN-ST1024A



EN-ST1024B

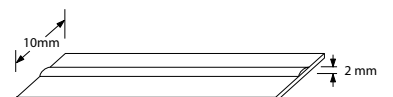


EN-ST1024C



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED1624CV</b>	16W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LED7524</b>	75W Non-Dimmable 24V Constant Voltage Driver	5m
<b>EN-LED12024</b>	120W Non-Dimmable 24V Constant Voltage Driver	10m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



3 Year Warranty

L70 26,500hrs

2700K, 3000K &  
4000K colour options

# LEDline™ COB

## 24V IP67 COB Strip

Single colour COB flexible IP67 LED strip with 3M™ self adhesive backing

COB strip provides a run of continuous light, eliminating LED hot spots

Cut points every 50mm for maximum flexibility

Beam angle of 130° and 480 LEDs per metre

Maximum run of 5m

For runs over 5m individual lengths should be connected in parallel

Reel length 10m - cutting service available See pg.146

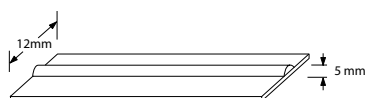


EN-ST1024IPCK

### IP Rated Kit Includes

- 2 power leads
- 2 end caps
- 4 starter sleeves
- 1 tube of sealant
- 6 fixing clips
- 12 fixing screws

Requires soldering



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<a href="#">EN-ST10241IP/27</a>	12W	480	2700K	1080lm
<a href="#">EN-ST10241IP/30</a>	12W	480	3000K	1140lm
<a href="#">EN-ST10241IP/40</a>	12W	480	4000K	1200lm

### Accessories

<a href="#">EN-ST1024IPCK</a>	LEDLine™ COB IP67 Strip Connector Kit
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Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<a href="#">AU-LED1624IP</a>	16W IP68 Non-Dimmable 24V Constant Voltage Driver	1m
<a href="#">AU-LED6024IP</a>	60W IP67 Non-Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™ COB

## 24V Tuneable White COB Strip

Tuneable white colour changing COB flexible LED strip with 3M™ self adhesive backing

Requires AU-RGBCXWD1 or AU-RGBCXWD2 (See pg.169) and dedicated wall/remote controller (See pg.170)

Cut points every 25mm for maximum flexibility

Beam angle of 130° and 640 LEDs per metre

Maximum run of 5m

For runs over 5m individual lengths should be connected in parallel

Reel length of 20m - cutting service available See pg.146



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST1024CX</b>	16W	640	2700-6500K	900lm

### Accessories

<b>EN-ST1024CXA</b>	LEDLine™ COB CX Strip Connector
<b>EN-ST1024CXB</b>	LEDLine™ COB CX Wired Strip Connector
<b>EN-ST1024CXC</b>	LEDLine™ COB CX Inter-Connection Strip Connector

### Colour Tuneable



2700K

6500K

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED1624CV</b>	16W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LED12024</b>	120W Non-Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit auroralighting.com



3 Year Warranty

L70 26,500hrs

2700-6500K tuneable white

### LED Strip Control Options

- 1 Tuneable White Wall Controller + All In One



See pg.170

See pg.169

- 2 Tuneable White Remote Controller + All In One



See pg.170

See pg.169

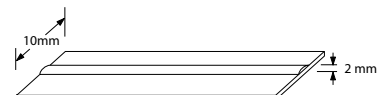
### EN-ST1024CXA



### EN-ST1024CXB



### EN-ST1024CXC



# LEDline™ COB

## 24V RGB COB Strip

RGB colour changing COB flexible LED strip with 3M™ self adhesive backing  
Requires AU-RGBCXWD1 or AU-RGBCXWD2 (See pg.169) and dedicated wall/remote controller (See pg.170)

Cut points every 50mm for maximum flexibility

Beam angle of 130° and 840 LEDs per metre

Maximum run of 5m

For runs over 5m individual lengths should be connected in parallel

Reel length of 20m - cutting service available See pg.146

3 Year Warranty

L70 26,500hrs

RGB colour changing

### LED Strip Control Options

- 1** RGBCX Wall Controller + All In One



See pg.170

See pg.169

- 2** RGBCX Remote Controller + All In One



See pg.170

See pg.169

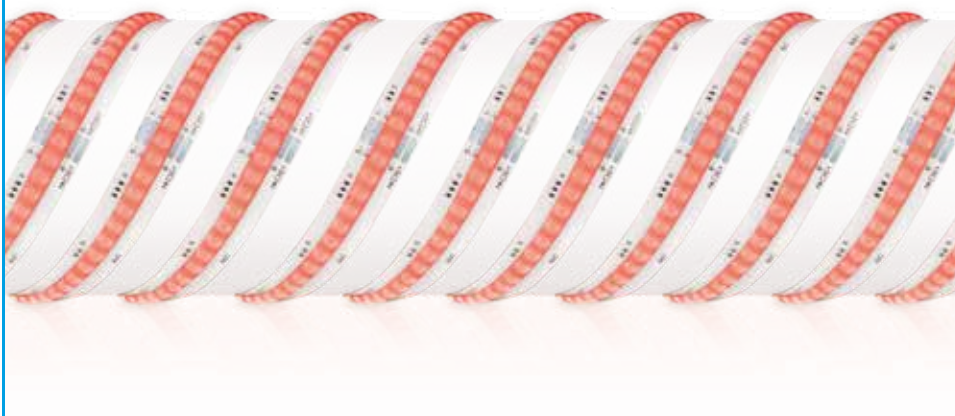
#### EN-ST1024RGB



#### EN-ST1024RGB



#### EN-ST1024RGBC



Cat. No.	Watts/m	No. of LEDs/m	Colour
<b>EN-ST1024RGB</b>	15W	840	RGB

#### Accessories

<b>EN-ST1024RGBA</b>	LEDLine™ COB RGB Strip Connector
<b>EN-ST1024RGBB</b>	LEDLine™ COB RGB Wired Strip Connector
<b>EN-ST1024RGBC</b>	LEDLine™ COB RGB Inter-Connection Strip Connector

RGB Colour Changing

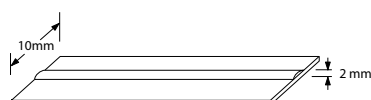


Cat. No.	Description	Metres per driver
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#### LED Drivers

<b>AU-LED1624CV</b>	16W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LED7524</b>	75W Non-Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™

24V CRI90 Strip

Single colour CRI90 flexible LED strip with 3M™ self adhesive backing  
 CRI90 brings out the true colour of objects and surroundings  
 Cut points every 100mm for maximum flexibility  
 Beam angle of 120° and 14mm between LEDs, 70 LEDs per metre  
 For runs over 10m individual lengths should be connected in parallel  
 Reel length 30m - cutting service available See pg.146

3 Year Warranty

L70 35,000hrs

3000K or 4000K  
 colour options



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST902B/30</b>	9.4W	70	3000K	900lm
<b>EN-ST902B/40</b>	9.4W	70	4000K	950lm

**Accessories**

<b>EN-ST524A</b>	LEDLine™ Single Colour Strip Connector
<b>EN-ST524B</b>	LEDLine™ Single Colour Wired Strip Connector
<b>EN-ST524C</b>	LEDLine™ Single Colour Inter-Connection Strip Connector

**EN-ST524A**



**EN-ST524B**

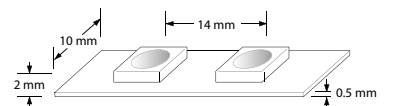


**EN-ST524C**



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED1624CV</b>	16W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LED7524</b>	75W Non-Dimmable 24V Constant Voltage Driver	5m
<b>EN-LEDD7524</b>	75W Triac Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



3 Year Warranty

L70 30,000hrs

3000K or 4000K  
colour options

# LEDline™

## 24V CRI90 Strip

Single colour CRI90 flexible LED strip with 3M™ self adhesive backing

CRI90 brings out the true colour of objects and surroundings

Cut points every 100mm for maximum flexibility

Beam angle of 120° and 17mm between LEDs, 60 LEDs per metre

Maximum run of 10m

For runs over 10m individual lengths should be connected in parallel

Reel length 30m - cutting service available See pg. 146



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST903B/30</b>	14.4W	60	3000K	1300lm
<b>EN-ST903B/40</b>	14.4W	60	4000K	1400lm

### Accessories

<b>EN-ST524A</b>	LEDLine™ Single Colour Strip Connector
<b>EN-ST524B</b>	LEDLine™ Single Colour Wired Strip Connector
<b>EN-ST524C</b>	LEDLine™ Single Colour Inter-Connection Strip Connector

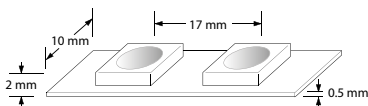
EN-ST524A



EN-ST524B



EN-ST524C



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED1624CV</b>	16W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LED7524</b>	75W Non-Dimmable 24V Constant Voltage Driver	5m
<b>EN-LEDD7524</b>	75W Triac Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™

## 24V CRI90 Strip

Single colour CRI90 flexible LED strip with 3M™ self adhesive backing  
 CRI90 brings out the true colour of objects and surroundings  
 Cut points every 63mm for maximum flexibility  
 Beam angle of 120° and 8mm between LEDs, 128 LEDs per metre  
 Maximum run of 5m  
 For runs over 5m individual lengths should be connected in parallel  
 Reel length 30m - cutting service available See pg.146

3 Year Warranty

L70 30,000hrs

3000K and 4000K  
 colour options



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST904B/30</b>	22W	128	3000K	2300lm
<b>EN-ST904B/40</b>	22W	128	4000K	2800lm

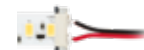
**Accessories**

<b>EN-ST90A</b>	LEDLine™ Single Colour Strip Connector
<b>EN-ST90B</b>	LEDLine™ Single Colour Wired Strip Connector
<b>EN-ST90C</b>	LEDLine™ Single Colour Inter-Connection Strip Connector

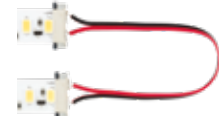
**EN-ST90A**



**EN-ST90B**

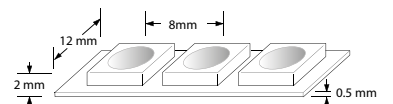


**EN-ST90C**



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED2524CV</b>	25W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LED12024</b>	120W Non-Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDlineCX™

## 24V Tuneable White CRI90 Strip

3 Year Warranty

L70 30,000hrs

2500-6500K  
tuneable white

Tuneable white colour changing flexible LED strip with 3M™ self adhesive backing  
Tuneable white colour temperature between 2500-6500K  
Requires AU-RGBCXWD1 or AU-RGBCXWD2 (See pg.169) and dedicated wall/remote controller (See pg.170)  
Cut points every 100mm for maximum flexibility  
Beam angle of 120° and 17mm between LEDs, 60 LEDs per metre  
For runs over 10m individual lengths should be connected in parallel  
Reel length 30m - cutting service available See pg.146

### LED Strip Control Options

- 1** Tuneable White Wall Controller + All In One



See pg.170

See pg.169

- 2** Tuneable White Remote Controller + All In One



See pg.170

See pg.169



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST90BCX</b>	9.6W	60	2500-6500K	380lm

#### Accessories

<b>EN-ST93A</b>	LEDLine™ CX Strip Connector
<b>EN-ST93B</b>	LEDLine™ CX Wired Strip Connector
<b>EN-ST93C</b>	LEDLine™ CX Inter-Connection Strip Connector

Colour Tuneable



2500K

6500K

**EN-ST93A**



**EN-ST93B**

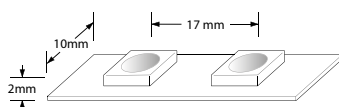


**EN-ST93C**



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED1624CV</b>	16W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LED7524</b>	75W Non-Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™

## 24V Strip

Single colour flexible LED strip with 3M™ self adhesive backing  
 Cut points every 100mm for maximum flexibility  
 Beam angle of 120° and 17mm between LEDs, 60 LEDs per metre  
 For runs over 5m individual lengths should be connected in parallel  
 Reel length 30m - cutting service available See pg.146



3 Year Warranty

L70 35,000hrs

3000K, 4000K &  
6500K colour options

PRO Range

Strip



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST5241/30</b>	12W	60	3000K	1180lm
<b>EN-ST5241/40</b>	12W	60	4000K	1200lm
<b>EN-ST5241/60</b>	12W	60	6500K	1200lm

**Accessories**

<b>EN-ST524A</b>	LEDLine™ Single Colour Strip Connector
<b>EN-ST524B</b>	LEDLine™ Single Colour Wired Strip Connector
<b>EN-ST524C</b>	LEDLine™ Single Colour Inter-Connection Strip Connector

**EN-ST524A**



**EN-ST524B**

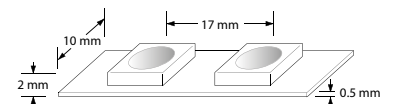


**EN-ST524C**



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED1624CV</b>	16W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LED7524</b>	75W Non-Dimmable 24V Constant Voltage Driver	5m
<b>EN-LED12024</b>	120W Non-Dimmable 24V Constant Voltage Driver	8m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



3 Year Warranty

L70 35,000hrs

3000K, 4000K &  
6500K colour options

# LEDline™

## 24V IP67 Strip

Single colour IP67 flexible LED strip with 3M™ self adhesive backing

Cut points every 100mm for maximum flexibility

Beam angle of 120° and 17mm between LEDs, 60 LEDs per metre

For runs over 5m individual lengths should be connected in parallel

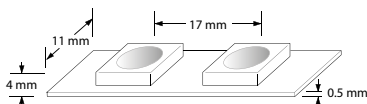
Reel length 10m - cutting service available See pg.146



EN-STIPCKB

### IP Rated Kit Includes

- 2 power leads
  - 2 end caps
  - 4 heat shrink sleeves
  - 1 tube of sealant
  - 6 fixing clips
  - 12 fixing screws
- Requires soldering



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST5241IP/30</b>	12W	60	3000K	1100lm
<b>EN-ST5241IP/40</b>	12W	60	4000K	1120lm
<b>EN-ST5241IP/60</b>	12W	60	6400K	1100lm

### Accessories

**EN-STIPCKB** LEDLine™ IP67 Strip Connector Kit

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED1624IP</b>	16W IP68 Non-Dimmable 24V Constant Voltage Driver	1m
<b>AU-LED10024IP</b>	100W IP67 Non-Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™

## 24V Strip

Single colour flexible LED strip with 3M™ self adhesive backing  
 Cut points every 50mm for maximum flexibility  
 Beam angle of 120° and 9mm between LEDs, 120 LEDs per metre  
 Voltage drop of 4.5V per 10m and maximum run of 10m  
 For runs over 10m individual lengths should be connected in parallel  
 Reel length of 30m - cutting service available See pg.146

3 Year Warranty

L70 35,000hrs

2700K, 3000K, 4000K, 6500K  
 & Blue colour options



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<a href="#">EN-ST224/27</a>	9.6W	120	2700K	950lm
<a href="#">EN-ST224/30</a>	9.6W	120	3000K	950lm
<a href="#">EN-ST224/40</a>	9.6W	120	4000K	1020lm
<a href="#">EN-ST224/60</a>	9.6W	120	6500K	1050lm
<a href="#">EN-ST224/BLU</a>	9.6W	120	Blue	-

### Accessories

<a href="#">EN-ST224A</a>	LEDLine™ Single Colour Strip Connector
<a href="#">EN-ST224B</a>	LEDLine™ Single Colour Wired Strip Connector
<a href="#">EN-ST224C</a>	LEDLine™ Single Colour Inter-Connection Strip Connector

[EN-ST224A](#)



[EN-ST224B](#)

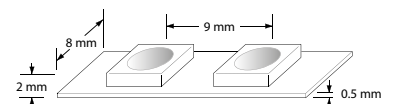


[EN-ST224C](#)



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<a href="#">AU-LED1624CV</a>	16W Non-Dimmable 24V Constant Voltage Driver	1m
<a href="#">EN-LED7524</a>	75W Non-Dimmable 24V Constant Voltage Driver	5m
<a href="#">EN-LEDD7524</a>	75W Triac Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™

## 24V IP67 Strip

Single colour IP67 flexible LED strip with 3M™ self adhesive backing

Cut points every 50mm for maximum flexibility

Beam angle of 120° and 9mm between LEDs, 120 LEDs per metre

Voltage drop of 4.5V per 5m and maximum run of 10m

For runs over 10m individual lengths should be connected in parallel

Reel length of 10m - cutting service available See pg.146



3 Year Warranty

L70 35,000hrs

2700K, 3000K, 4000K, 6500K  
& Blue colour options



EN-STIPCKB

### IP Rated Kit Includes

- 2 power leads
- 2 end caps
- 4 heat shrink sleeves
- 1 tube of sealant
- 6 fixing clips
- 12 fixing screws

Requires soldering



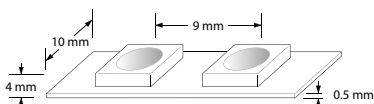
Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<a href="#">EN-ST324B/27</a>	9.6W	120	2700K	850lm
<a href="#">EN-ST324B/30</a>	9.6W	120	3000K	950lm
<a href="#">EN-ST324B/40</a>	9.6W	120	4000K	1000lm
<a href="#">EN-ST324B/60</a>	9.6W	120	6500K	900lm
<a href="#">EN-ST324B/BLU</a>	9.6W	120	Blue	-

### Accessories

[EN-STIPCKB](#) LEDLine™ IP67 Strip Connector Kit

Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<a href="#">AU-LED1624IP</a>	16W IP68 Non-Dimmable 24V Constant Voltage Driver	1m
<a href="#">AU-LED6024IP</a>	60W IP67 Non-Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™ RGB CX

24V RGB + Tuneable White Strip



RGB with tuneable white colour changing flexible LED strip with 3M™ self adhesive backing  
 RGB and tuneable white colour temperature between 2500-6500K  
 Requires AU-RGBCXWR1 (See pg.168) and dedicated wall/remote controller (See pg.170)  
 Cut points every 100mm for maximum flexibility  
 Beam angle of 120° and 16mm between LEDs, 60 LEDs per metre  
 Maximum run of 5m  
 For runs over 5m individual lengths should be connected in parallel  
 Reel length 30m - cutting service available See pg.146



Cat. No.	Watts/m	No. of LEDs/m	Colour
<b>EN-ST80RGBCX</b>	24W	60	RGB + Tuneable White

**Accessories**

- EN-STRGBCXA** LEDLine™ RGBCX Strip Connector
- EN-STRGBCXB** LEDLine™ RGBCX Wired Strip Connector
- EN-STRGBCXC** LEDLine™ RGBCX Inter-Connection Strip Connector



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED2524CV</b>	25W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LEDD15024</b>	150W Triac Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit auroralighting.com



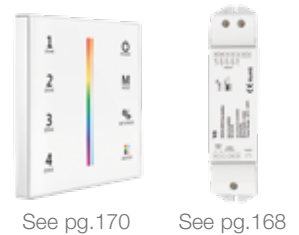
3 Year Warranty

L70 30,000hrs

RGB with 2500-6500K tuneable white

**LED Strip Control Options**

- 1 RGBCX Wall Controller + RGBCX Receiver



- 2 RGBCX Remote Controller



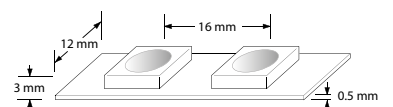
**EN-STRGBCXA**



**EN-STRGBCXB**



**EN-STRGBCXC**





# LEDline™

## 24V RGB Strip

RGB colour changing flexible LED strip with 3M™ self adhesive backing

Requires AU-RGBCXWD1 or AU-RGBCXWD2 (See pg.169) and dedicated wall/remote controller (See pg.170)

Cut points every 100mm for maximum flexibility

Beam angle of 120° and 17mm between LEDs, 60 LEDs per metre

Maximum run of 5m

For runs over 5m individual lengths should be connected in parallel

Reel length of 30m - cutting service available See pg.146



Cat. No.	Watts/m	No. of LEDs	Colour
<b>EN-ST224RGB</b>	14.4W	60	RGB

### Accessories

<b>EN-STRGBA</b>	LEDLine™ RGB Strip Connector
<b>EN-STRGBB</b>	LEDLine™ RGB Wired Strip Connector
<b>EN-STRGBC</b>	LEDLine™ RGB Inter-Connection Strip Connector



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED2524CV</b>	25W Non-Dimmable 24V Constant Voltage Driver	1m
<b>EN-LED7524</b>	75W Non-Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



3 Year Warranty

L70 35,000hrs

RGB colour changing

### LED Strip Control Options

- 1 RGBCX Wall Controller + All In One



See pg.170

See pg.169

- 2 RGBCX Remote Controller + All In One



See pg.170

See pg.169

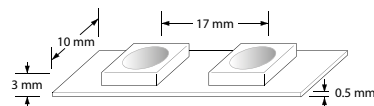
### EN-STRGBA



### EN-STRGBB



### EN-STRGBC



# LEDline™

## 24V RGB IP67 Strip

RGB colour changing IP67 flexible LED strip with 3M™ self adhesive backing

Requires AU-RGBCXWD1 or AU-RGBCXWD2 (See pg.169) and dedicated wall/remote controller (See pg.170)

Cut points every 100mm for maximum flexibility

Beam angle of 120° and 17mm between LEDs, 60 LEDs per metre

Maximum run of 5m

For runs over 5m individual lengths should be connected in parallel

Reel length of 10m - cutting service available See pg.146

3 Year Warranty

L70 35,000hrs

RGB colour changing

### LED Strip Control Options

- 1** RGBCX Wall Controller + All In One



See pg.170

See pg.169

- 2** RGBCX Remote Controller + All In One



See pg.170

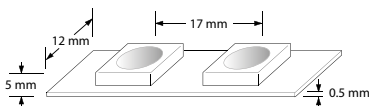
See pg.169



EN-STRGBCK

### IP Rated Kit Includes

- 2 power leads
  - 2 end caps
  - 4 heat shrink sleeves
  - 1 tube of sealant
  - 6 fixing clips
  - 12 fixing screws
- Requires soldering



Cat. No.	Watts/m	No. of LEDs/m	Colour
<b>EN-ST324RGB</b>	14.4W	60	RGB

### Accessories

**EN-STRGBCK** LEDLine™ RGB Strip Connector Kit

RGB Colour Changing



Cat. No.	Description	Metres per driver
<b>AU-LED1624IP</b>	16W IP68 Non-Dimmable 24V Constant Voltage Driver	1m
<b>AU-LED10024IP</b>	100W IP67 Non-Dimmable 24V Constant Voltage Driver	5m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™

## 12V Strip

Single colour flexible LED strip with 3M™ self adhesive backing  
 Cut points every 50mm for maximum flexibility  
 Beam angle of 120° and 17mm between LEDs, 60 LEDs per metre  
 Voltage drop of 4V per 10m and maximum run of 10m  
 For runs over 10m individual lengths should be connected in parallel  
 Reel length 30m - cutting service available See pg.146

3 Year Warranty

L70 35,000hrs

3000K, 4000K, 6500K &  
 Blue colour options



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST100/30</b>	4.8W	60	3000K	480lm
<b>EN-ST100/40</b>	4.8W	60	4000K	500lm
<b>EN-ST100/60</b>	4.8W	60	6500K	520lm
<b>EN-ST100/BLU</b>	4.8W	60	Blue	-

### Accessories

<b>EN-ST100A</b>	LEDLine™ Single Colour Strip Connector
<b>EN-ST100B</b>	LEDLine™ Single Colour Wired Strip Connector
<b>EN-ST100C</b>	LEDLine™ Single Colour Inter-Connection Strip Connector

EN-ST100A



EN-ST100B

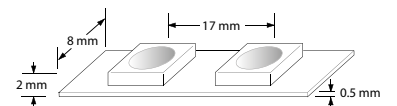


EN-ST100C



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED1012CV</b>	10W Non-Dimmable 12V Constant Voltage Driver	1m
<b>AU-LED2512CV</b>	25W Non-Dimmable 12V Constant Voltage Driver	5m
<b>EN-LED7512</b>	75W Non-Dimmable 12V Constant Voltage Driver	10m
<b>EN-LEDD7512</b>	75W Triac Dimmable 12V Constant Voltage Driver	10m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™

## 12V IP67 Strip

Single colour IP67 flexible LED strip with 3M™ self adhesive backing

Cut points every 50mm for maximum flexibility

Beam angle of 120° and 17mm between LEDs, 60 LEDs per metre

Voltage drop of 4V per 10m and maximum run of 10m

Any joints or termination points are maximum IP65 rated

For runs over 10m individual lengths should be connected in parallel

Reel length 10m - cutting service available See pg.146



Cat. No.	Watts/m	No. of LEDs/m	Colour	lm/m
<b>EN-ST100IPB/30</b>	4.8W	60	3000K	460lm
<b>EN-ST100IPB/40</b>	4.8W	60	4000K	500lm
<b>EN-ST100IPB/60</b>	4.8W	60	6500K	450lm
<b>EN-ST100IPB/BLU</b>	4.8W	60	Blue	-

### Accessories

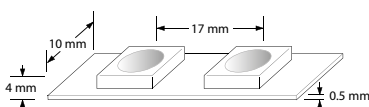
**EN-STIPCKB** LEDLine™ IP67 Strip Connector Kit



**EN-STIPCKB**

### IP Rated Kit Includes

- 2 power leads
  - 2 end caps
  - 4 heat shrink sleeves
  - 1 tube of sealant
  - 6 fixing clips
  - 12 fixing screws
- Requires soldering



Cat. No.	Description	Metres per driver
<b>LED Drivers</b>		
<b>AU-LED2412IP</b>	24W IP67 Non-Dimmable 12V Constant Voltage Driver	1m
<b>AU-LED6012IP</b>	60W IP67 Non-Dimmable 12V Constant Voltage Driver	5-10m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



# LEDline™

## 12V RGB Strip

RGB colour changing LED flexible strip with 3M™ self adhesive backing

Requires AU-RGBCXWR1 (See pg.168) and dedicated wall/remote controller (See pg.170)

Cut points every 100mm for maximum flexibility

Beam angle of 120° and 33mm between LEDs, 30 LEDs per metre

Voltage drop of 4.5V per 10m and maximum run of 10m

For runs over 10m individual lengths should be connected in parallel

Reel length of 30m - cutting service available See pg.146



Cat. No.

Watts/m

No. of LEDs/m

Colour

**EN-ST100RGB**

7.2W

30

RGB

### Accessories

**EN-STRGBA**

LEDLine™ RGB Strip Connector

**EN-STRGBB**

LEDLine™ RGB Wired Strip Connector

**EN-STRGBC**

LEDLine™ RGB Inter-Connection Strip Connector

RGB Colour Changing 



Cat. No.

Description

Metres per driver

### LED Drivers

**AU-LED1012CV**

10W Non-Dimmable 12V Constant Voltage Driver

1m

**EN-LED7512**

75W Non-Dimmable 12V Constant Voltage Driver

5-10m

See pg. 162-164 for full range of drivers or visit [auroralighting.com](http://auroralighting.com)



3 Year Warranty

L70 35,000hrs

RGB colour changing

### LED Strip Control Options

- 1** Wall Controller + RGBCX Receiver



See pg.170



See pg.168

- 2** Remotes + RGBCX Receiver



See pg.170



See pg.168

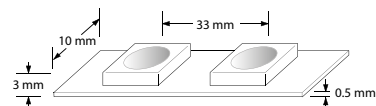
**EN-STRGBA**



**EN-STRGBB**



**EN-STRGBC**



**LITE**  
Range



**LITE** Range

Strip

## LED Strip 48 Hour Bespoke Cutting Service



**Non IP Rated** LED Strip cut to required length



**Non IP Rated** LED strip cut and soldered to pre ordered length



**Non IP Rated** LED strip connections heat sealed



**IP Rated** LED Strip cut to required length

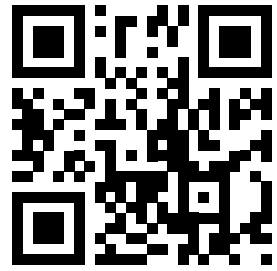


**IP Rated** LED strip cut, soldered and heat sealed to pre ordered length



**IP Rated** LED strip connections heat sealed

## Watch Video



All LED strip requires an LED driver which must be ordered separately

## LED Strip Configurator

Visit the Aurora website to use our LED strip configurator tool, which can help identify the strip that is best suited to your application. Results include strip, LED driver plus channel options.

Visit [auroralighting.com/ledconfigurator](http://auroralighting.com/ledconfigurator)



**LEDline™**  
24V Single Colour

**LEDline™COB**  
24V Tuneable White COB Strip

**LEDline™COB**  
24V RGB COB Strip

Step 1	Step 2	Step 3	Step 4	Step 5
Select Colour Temp	Select Brightness	Select Application	Select Length	Select Channel
Daylight	14.4W/m	Wet Areas	4m Dimmable	Recessed

## LED Strip Controllers

Controlling colour changing strip is key in creating your ideal lighting during the day or night, whether that be illuminating the patio or adding some decorative lighting to your living room, control is what you need. Aurora offer a wall controller or two remote options, designed for single or multiple zones, which work together for control at your fingertips.

Aurora's comprehensive range of LED strip controllers allows for the colour control of RGB, Tuneable White and RGB + Tuneable White

We also offer All in One (Driver + Receiver in one) or a Receiver (LED driver required), which helps provide full control with an easy set up. See pg's 168-170 for further information.



RGB + Tuneable White Battery Wall Controller



4 Zone Control Tuneable White Remote Controller



Single Zone Control Tuneable White Remote Controller



RGB+Tuneable White Wireless Receiver

## LED Drivers

Aurora offers a range of LED drivers which can supplement our LEDLine™ strip range. See pg. 162-164 for a full list of our drivers.



12V IP67



24V IP67

Aluminium channel offers a choice of recessed, surface and corner mount options. With limitless applications, the channel is ideal for use with the Aurora LED strip for living rooms, cove lighting or under counter tops.

**Please note: strip connectors do not fit inside the channel.**

Contact your local sales representative or our friendly sales team via telephone 01707 228 700 or email: [info@groupaurora.com](mailto:info@groupaurora.com) or visit [auroralighting.com](http://auroralighting.com)

## Channel + Strip Compatibility

Channel	Frosted/Clear Diffuser	End Caps Without Cable Entry	End Caps With Cable Entry	Mounting Clip
<b>EN-CH100*</b>	EN-CHPC1CL* EN-CHPC1FR*	EN-CH100EC1	EN-CH100EC2	EN-CHC1
<b>EN-CH101*</b>	EN-CHPC1CL* EN-CHPC1FR*	EN-CH101EC1	EN-CH101EC2	EN-CHC1
<b>EN-CH102*</b>	EN-CHPC1CL* EN-CHPC1FR*	EN-CH102EC1	EN-CH102EC2	-
<b>EN-CH104*</b>	EN-CHPC1CL* EN-CHPC1FR*	EN-CH104EC1	EN-CH104EC2	EN-CHC2

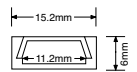
**EN-CH106\*KIT** Diffuser, end caps and mounting clips included

**EN-CH109\*KIT** Diffuser and end caps included

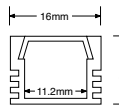
\*Add suffix 1 or 2 for 1m or 2m Length



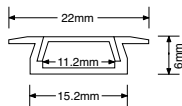
**EN-CH100**  
Surface Profile



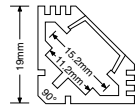
**EN-CH101**  
Surface Profile



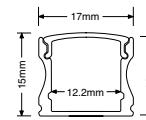
**EN-CH102**  
Recessed Profile



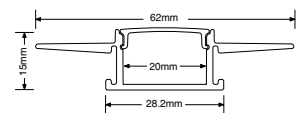
**EN-CH104**  
Corner Profile



**EN-CH106KIT**  
Deep Profile Kit



**EN-CH109KIT**  
Recessed Profile Kit



<b>EN-ST10241</b>	Pg.126	<b>EN-ST10241</b>	Pg.126	<b>EN-ST10241</b>	Pg.126	<b>EN-ST10241</b>	Pg.126	<b>EN-ST10241</b>	Pg.126
<b>EN-ST1024CX</b>	Pg.128	<b>EN-ST1024CX</b>	Pg.128	<b>EN-ST1024CX</b>	Pg.128	<b>EN-ST1024CX</b>	Pg.128	<b>EN-ST10241IP</b>	Pg.127
<b>EN-ST1024RGB</b>	Pg.129	<b>EN-ST1024RGB</b>	Pg.129	<b>EN-ST1024RGB</b>	Pg.129	<b>EN-ST1024RGB</b>	Pg.129	<b>EN-ST1024CX</b>	Pg.128
<b>EN-ST902B</b>	Pg.130	<b>EN-ST902B</b>	Pg.130	<b>EN-ST902</b>	Pg.130	<b>EN-ST902</b>	Pg.130	<b>EN-ST1024RGB</b>	Pg.129
<b>EN-ST903B</b>	Pg.131	<b>EN-ST903B</b>	Pg.131	<b>EN-ST903B</b>	Pg.131	<b>EN-ST903B</b>	Pg.131	<b>EN-ST902</b>	Pg.130
<b>EN-ST90BCX</b>	Pg.133	<b>EN-ST90BCX</b>	Pg.133	<b>EN-ST90BCX</b>	Pg.133	<b>EN-ST904B</b>	Pg.132	<b>EN-ST903B</b>	Pg.131
<b>EN-ST5241</b>	Pg.134	<b>EN-ST5241</b>	Pg.134	<b>EN-ST5241</b>	Pg.134	<b>EN-ST90BCX</b>	Pg.133	<b>EN-ST904B</b>	Pg.132
<b>EN-ST224</b>	Pg.136	<b>EN-ST5241IP</b>	Pg.135	<b>EN-ST90BCX</b>	Pg.133	<b>EN-ST5241</b>	Pg.134	<b>EN-ST90BCX</b>	Pg.133
<b>EN-ST324B</b>	Pg.137	<b>EN-ST324B</b>	Pg.137	<b>EN-ST324B</b>	Pg.137	<b>EN-ST5241IP</b>	Pg.135	<b>EN-ST5241</b>	Pg.134
<b>EN-ST224RGB</b>	Pg.140	<b>EN-ST224RGB</b>	Pg.140	<b>EN-ST80RGBCX</b>	Pg.138	<b>EN-ST224</b>	Pg.136	<b>EN-ST5241IP</b>	Pg.135
<b>EN-ST100</b>	Pg.142	<b>EN-ST100</b>	Pg.142	<b>EN-ST224RGB</b>	Pg.140	<b>EN-ST324B</b>	Pg.137	<b>EN-ST224</b>	Pg.136
<b>EN-ST100IPB</b>	Pg.143	<b>EN-ST100RGB</b>	Pg.144	<b>EN-ST324RGB</b>	Pg.141	<b>EN-ST80RGBCX</b>	Pg.138	<b>EN-ST324B</b>	Pg.137
<b>EN-ST100RGB</b>	Pg.144			<b>EN-ST100</b>	Pg.142	<b>EN-ST224RGB</b>	Pg.139	<b>EN-ST80RGBCX</b>	Pg.138
				<b>EN-ST100RGB</b>	Pg.144	<b>EN-ST324RGB</b>	Pg.141	<b>EN-ST224RGB</b>	Pg.139
						<b>EN-ST100IPB</b>	Pg.143	<b>EN-ST324RGB</b>	Pg.141
						<b>EN-ST100RGB</b>	Pg.144	<b>EN-ST100IPB</b>	Pg.143
								<b>EN-ST100RGB</b>	Pg.144

# LinkE™

## Undercabinet Linear Interconnectable Striplight

Simple plug and play linking feature

On/off switch allows independent control of interconnected fittings

Multi length interconnection leads available (sold separately)

3 Year Warranty

L70 35,000hrs

White finish



LITE Range

Undercabinet

Cat. No.	Watts	Colour	Lumens	lm/W
<b>EN-T504/30</b>	4W	3000K	400lm	100
<b>EN-T504/40</b>	4W	4000K	440lm	110
<b>EN-T506/30</b>	6W	3000K	600lm	100
<b>EN-T506/40</b>	6W	4000K	660lm	110
<b>EN-T510/30</b>	10W	3000K	1000lm	100
<b>EN-T510/40</b>	10W	4000K	1100lm	110

Minimal dark spot when connected



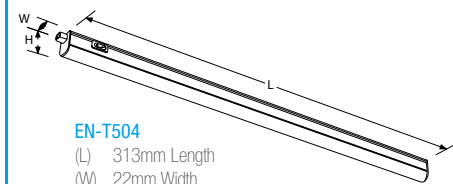
Interconnection lead



Cat. No.	Description
----------	-------------

**Accessories**

<b>EN-T5L025</b>	LinkE™ 250mm Interconnection Accessory
<b>EN-T5L05</b>	LinkE™ 500mm Interconnection Accessory
<b>EN-T5L10</b>	LinkE™ 1m Interconnection Accessory
<b>EN-T5ML20</b>	LinkE™ 2m Mains Lead Without Plug



**EN-T504**

- (L) 313mm Length
- (W) 22mm Width
- (H) 30mm Height

**EN-T506**

- (L) 543mm Length
- (W) 22mm Width
- (H) 30mm Height

**EN-T510**

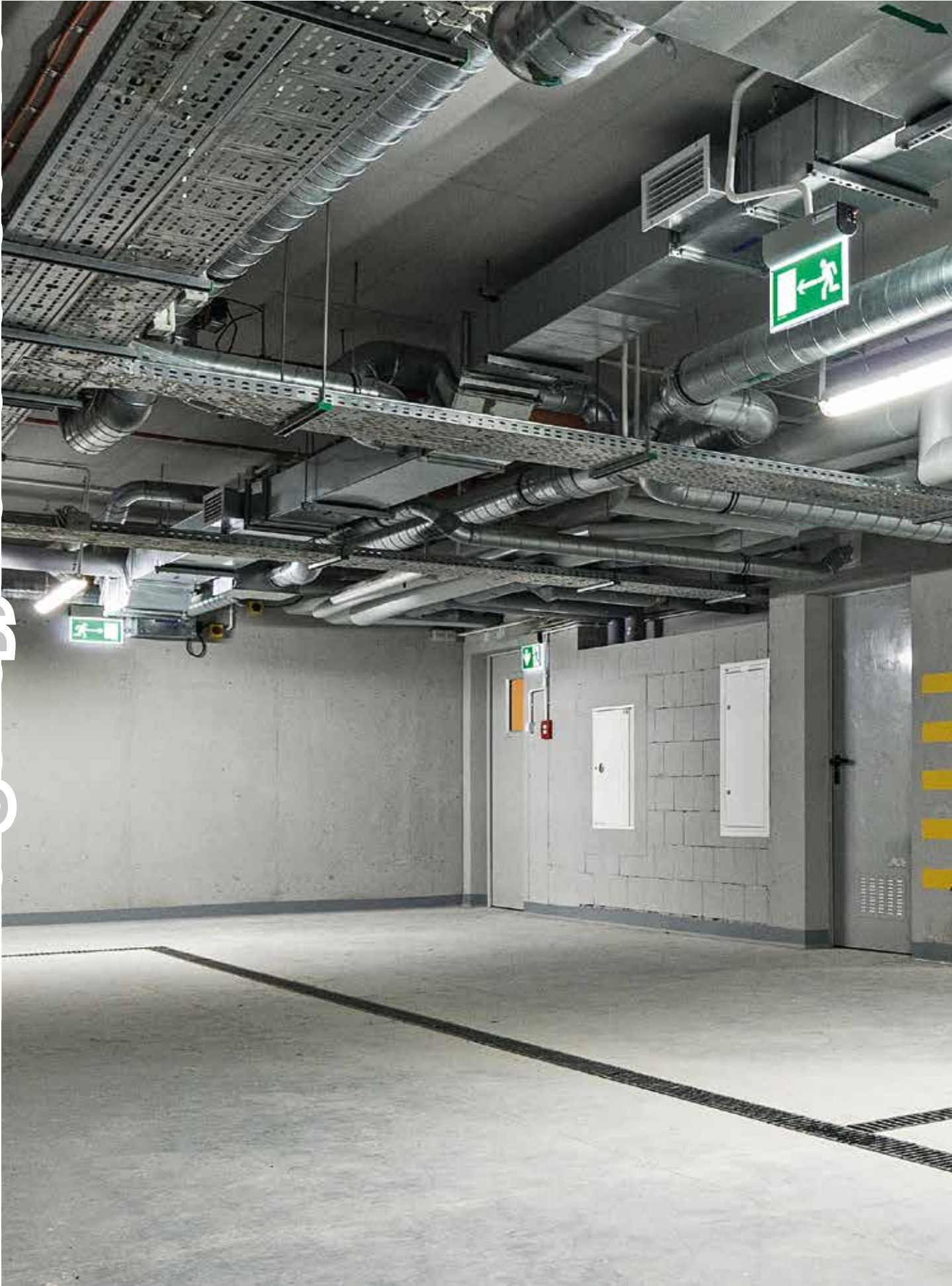
- (L) 873mm Length
- (W) 22mm Width
- (H) 30mm Height

**LITE**  
Range

**LITE** Range

Undercabinet

# Emergency, Power & Control



# FEATURE PRODUCTS



**EMPaC™**

**PRO Range**  
Manual & Self Test Options  
Twin Spot  
IP65 Rated

pg.154



**EMPaC™**

**PRO Range**  
Manual & Self Test Options  
Blade Exit Signs


pg's.155-157



**Constant Voltage**

**PRO Range**  
12V & 24V Options  
Dimmable & Non-Dimmable

pg's.162-164



**Dimmers**

**PRO Range**  
1 or 2 Gang Rotary  
Dimmer Modules & Pattresses

pg.172

Emergency, Power & Control



### LED Emergency Lighting

Aurora Emergency products offer Maintained and Non-Maintained solutions, as well as manual test and self test designed for use in a wide variety of applications.

Unobtrusive appearance, absolute reliability and continued operation in the event of the loss of mains electricity.

### Self Test Function

Aurora's self-test emergency lighting units are designed to cut costs in testing and maintenance of emergency luminaires.

Self testing emergency lights perform two types of tests in accordance to the BS EN 50172:2004 / BS 5266-8:2004;

### Short Period Functional Test

Runs automatically every 30 days and checks the following:

- Emergency operation for a short period
- Battery capacity
- Health of light source
- Any failed elements are indicated by warning LEDs

### Full Period Functional Test

Automatically runs annually and checks the following;

- Emergency operation for full rated duration (3 hours)
- Battery capacity
- Health of light source
- Any failed elements are indicated by warning LEDs

### Manual Test Function

Aurora offers a manual test function option across all emergency lighting products. This product selection is a cost effective solution that ensures you are complying with emergency lighting regulations. The manual test function requires regular checks to be carried out by a designated responsible person, inline with the regulation recommendations.

### Emergency Lighting Modes

#### Maintained

'Maintained' units operate normally and continue to operate when the normal mains supply fails (mains lighting and emergency lighting).

#### Non-Maintained

'Non-maintained' - the lighting only operates when the normal mains supply fails (emergency lighting only).

### Emergency Legends

Our emergency legend offering has now become more flexible. Aurora can now offer ISO legends. All products come with ISO legends as standard.

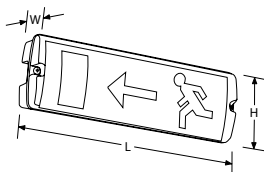


# EMIPac™

## Emergency Surface Mount IP65 Bulkhead

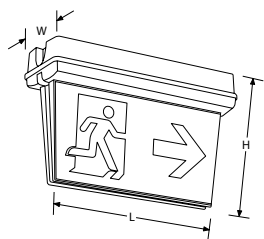
3 Year Warranty  
L70 30,000hrs  
6500K colour temperature

- 3 hours emergency back-up duration
- Can be maintained or non-maintained dependent on connection of switch live
- IP65 rated
- IK10 rated
- 18 metre viewing distance as standard
- 25 metre viewing distance with drop down accessory
- Can be wall or ceiling mounted
- ISO standard approved Emergency legends included; up, down, left and right
- EN-EMBH - Manual test (key switch)
- EN-EMBHST - Self test
- EN-EMBHL - Drop down legend accessory



**EN-EMBH / EN-EMBHST**

(L) 352mm Length  
(W) 67mm Width  
(H) 110mm Height



**EN-EMBHL**

(L) 354mm Length  
(W) 187mm Width  
(H) 297mm Height



Wall Mounted

Ceiling Mounted

Drop Down Legend

Emergency Legends included (x3)

Cat. No.	Description	Wattage
<b>EN-EMBH</b>	Manual Test	3W
<b>EN-EMBHST</b>	Self Test	5W
<b>Accessories</b>		
<b>EN-EMBHL</b>	Drop down legend	-



# EMIPac™

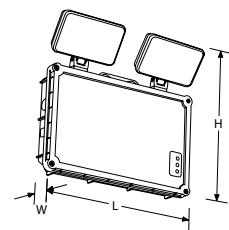
## Emergency IP65 Twin Spot

- 3 hours emergency back-up duration
- Non-maintained
- IP65 rated
- IK08 rated
- 25 metre viewing distance
- Twin spot heads have a horizontal adjustable of 180° and a vertical adjustment of 70°
- EN-EMTS - Manual test (push button)
- EN-EMTSST - Self test

3 Year Warranty

L70 30,000hrs

6500K colour temperature



Cat. No.	Description	Wattage
<b>EN-EMTS</b>	Manual Test	3W
<b>EN-EMTSST</b>	Self Test	5W



### EN-EMTS

- (L) 300mm Length
- (W) 47mm Width
- (H) 290mm Height

### EN-EMTSST

- (L) 300mm Length
- (W) 47mm Width
- (H) 290mm Height

# EMIPac™

## Emergency Wall Mounted Slim Exit Box

3 Year Warranty

L70 25,000hrs

6500K colour temperature

3 hours emergency back-up duration

Can be maintained or non-maintained (dependent on switch live connection)

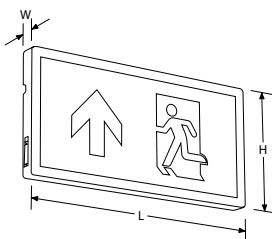
25 metre viewing distance

Slim design

ISO standard approved Emergency legends included; up, down, left and right

EN-EMSL - Manual test (key switch)

EN-EMSLST - Self test



**EN-EMSL**

(L) 395mm Length

(W) 29mm Width

(H) 199mm Height

**EN-EMSLST**

(L) 395mm Length

(W) 29mm Width

(H) 199mm Height

Cat. No.	Description	Wattage
<b>EN-EMSL</b>	Manual Test	4W
<b>EN-EMSLST</b>	Self Test	4W



# EMIPac™

## Emergency Drop Down Exit Blade

3 hours emergency back-up duration

Maintained

25 metre viewing distance

ISO standard approved Emergency legends included; 2 x up, down, left and right

Can be wall or ceiling mounted

Also suitable for recess and suspension, separate accessory required

EN-EMBL - Manual test (push button)

EN-EMBLST - Self test

3 Year Warranty

L70 25,000hrs

6500K colour temperature



Wall Mounted

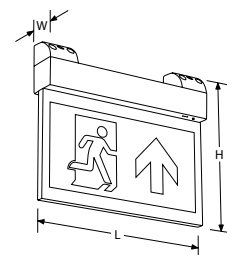
Wall Mounted (side)

Ceiling Mounted

Cat. No.	Description	Wattage
<b>EN-EMBL</b>	Manual Test	4W
<b>EN-EMBLST</b>	Self Test	4W

**Accessories**

<b>EN-EMBLRK</b>	Emergency Exit Blade Recess Kit
<b>EN-EMBLSK</b>	Emergency Exit Blade Suspension Kit



**EN-EMBLST**

- (L) 330mm Length
- (W) 58mm Width
- (H) 246mm Height

**EN-EMBL**

- (L) 330mm Length
- (W) 58mm Width
- (H) 246mm Height

3 Year Warranty

L70 50,000hrs

6500K colour temperature

# EMPaC™

## Emergency Exit Sign

Emergency backup up to 8 hours

Selectable emergency duration - 1, 2, 3 or 8 hour options

Can be maintained or non-maintained (selected via dip switch)

25 metre viewing distance

ISO standard approved Emergency legends available separately; up, down, left and right

Ceiling, wall and recessed mount options

LiFePO4 battery included

Self test



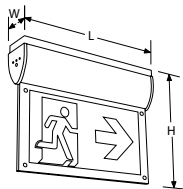
Ceiling Mounted



Wall Mounted



Recess Mounted



**EN-EMLED21ST**

(L) 300mm Length  
(W) 53mm Width  
(H) 239mm Height

**EN-EMLED22ST**

(L) 300mm Length  
(W) 69mm Width  
(H) 238mm Height

**EN-EMLED24ST**

(L) 355mm Length  
(W) 113mm Width  
(H) 150mm Height

Cat. No.	Description	Wattage	Recess
<b>EN-EMLED21ST</b>	Ceiling Mount	3.3W	-
<b>EN-EMLED22ST</b>	Wall Mount	3.3W	-
<b>EN-EMLED24ST</b>	Recessed Mount	3.3W	63mm

**Accessories**

**EN-LG2D**

Down Emergency Exit Legend

**EN-LG2U**

Up Emergency Exit Legend

**EN-LG2LR**

Left/Right Emergency Exit Legend



# EMIPac™

## Emergency Surface Mounted/Recessed Downlight

3 hour emergency back-up duration

Non-maintained

Interchangeable lenses supplied for corridor and open area illumination

Surface mounted as standard (can be recessed with springs included)

Self test

3 Year Warranty

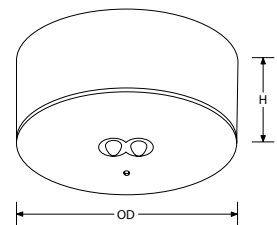
L70 25,000hrs

5000K colour temperature

White finish



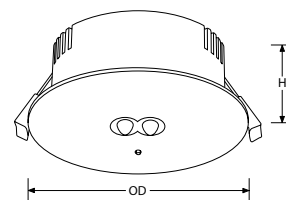
Recessed Mounting



**EN-EMDLST Surface**

(OD) 140mm Overall Ø

(H) 62mm Height



**EN-EMDLST Recessed**

(OD) 140mm Overall Ø

(H) 55mm Height

Cat. No.	Description	Wattage	Colour	Lumens
<b>EN-EMDLST</b>	Self Test	3W	5000K	240lm



3 Year Warranty

Interchangeable lenses

6000K colour temperature

# EMIPac™

## 3W Emergency Downlight

3 hour emergency duration

Non-maintained LED emergency downlight with interchangeable lenses

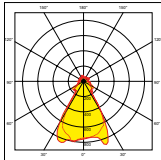
Interchangeable lenses offer a corridor (75° beam angle) or open space (120° beam angle) light distribution

Compact downlight fits into a 45-48mm cut-out

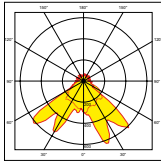
EN-EMLD5 - Manual test (push button or key switch)

EN-EMLD5ST - Self test

Corridor Lens



Open Area Lens



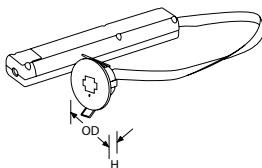
Open Area Lens



Corridor Lens



Emergency Indicator



**EN-EMLD5**

(OD) 60mm Overall Ø  
(H) 26mm Height

**EN-EMLD5ST**

(OD) 60mm Overall Ø  
(H) 26mm Height

Cat. No.	Description	Wattage	Colour	Lumens
<b>EN-EMLD5</b>	Manual Test	3W	6000K	270lm
<b>EN-EMLD5ST</b>	Self Test	3W	6000K	270lm



# EMPaC™

## Emergency Packs

Aurora has dedicated emergency packs that work with a range of our luminaires

The latest addition to Aurora's offering is a simple modular plug and play Emergency solution

**3 Year Warranty**

### Emergency

**AU-DLEMB2B**

3 Hour Maintained Emergency Pack

**AU-FRLM10EMB**

3 Hour Maintained Emergency Pack

**EN-DLEM3**

3 Hour Maintained Emergency Pack

**AU-EM1EX**

3 Hour Maintained Emergency Pack

**AU-EM1EXST**

3 Hour Maintained Self Test Emergency Pack



**AU-EM2**

Emergency Pack for BatPacCWS™

**AU-EM2ST**

Emergency Self Test Pack for BatPacCWS™

**AU-EM3**

Emergency Pack for OrbitalCWS™ & MestorCWS™

**AU-EM3ST**

Emergency Self Test Pack for OrbitalCWS™ & MestorCWS™



**EN-ANTEM1**

Emergency Pack for LinearPac™

**EN-ANTEMST1**

Emergency Self Test Pack for LinearPac™



Cat. No.	Description	Dimensions
<b>AU-DLEMB2B</b>	3 Hour Maintained Emergency Pack	270 x 40mm
<b>AU-FRLM10EMB</b>	3 Hour Maintained Emergency Pack	270 x 35mm
<b>EN-DLEM3*</b>	3 Hour Maintained Emergency Pack	270 x 68mm
<b>NEW AU-EM1EX</b>	3 Hour Maintained Emergency Pack	260 x 47mm
<b>NEW AU-EM1EXST</b>	3 Hour Maintained Self Test Emergency Pack	260 x 47mm
<b>NEW AU-EM2</b>	Emergency Pack for BatPacCWS™	220 x 42mm
<b>NEW AU-EM2ST</b>	Emergency Self Test Pack for BatPacCWS™	220 x 42mm
<b>NEW AU-EM3</b>	Emergency Pack for OrbitalCWS™ & MestorCWS™	116 x 68mm
<b>NEW AU-EM3ST</b>	Emergency Self Test Pack for OrbitalCWS™ & MestorCWS™	116 x 68mm
<b>NEW EN-ANTEM1</b>	Emergency Pack for LinearPac™	274 x 40mm
<b>NEW EN-ANTEMST1</b>	Emergency Self Test Pack for LinearPac™	274 x 40mm

\*5 year warranty.



# SensPac™

Microwave Sensors

The latest addition to Aurora's offering is a simple modular plug and play Microwave Sensor solution

5 Year Warranty



## EN-ANTMS1

Microwave Sensor Pack for LinearPac™



## AU-BAMS

Microwave Sensor Pack for BatPacCWS™



## AU-BHEMSC





Microwave Corridor Sensor for MestorCWS™



## AU-BHMS

Microwave Sensor Pack for OrbitalCWS™



Cat. No.	Description	Dimensions
 <b>EN-ANTMS1</b>	Microwave Sensor Pack for LinearPac™	103 x 35mm
 <b>AU-BAMS</b>	Microwave Sensor Pack for BatPacCWS™	61 x 29mm
 <b>AU-BHEMSC</b>	Microwave Corridor Sensor for MestorCWS™	62 x 27mm
 <b>AU-BHMS</b>	Microwave Sensor Pack for OrbitalCWS™	61 x 29mm



## 12V/24V Constant Voltage Non-Dimmable LED Drivers



A comprehensive range of 12V/24V constant voltage non-dimmable LED drivers for use with Aurora LED strip and luminaires.

**3 Year Warranty**



### 12V Drivers

#### AU-LED1012CV

10W Non-Dimmable 12V  
Constant Voltage Driver

#### AU-LED16T

16W Non-Dimmable 12V  
Constant Voltage Driver

#### AU-LED2512CV

25W Non-Dimmable 12V  
Constant Voltage Driver

#### EN-LED7512

75W Non-Dimmable 12V  
Constant Voltage Driver



### 24V Drivers

#### AU-LED1624CV

16W Non-Dimmable 24V  
Constant Voltage Driver

#### AU-LED2524CV

25W Non-Dimmable 24V  
Constant Voltage Driver

#### EN-LED7524

75W Non-Dimmable 24V  
Constant Voltage Driver



#### EN-LED12024

120W Non-Dimmable 24V  
Constant Voltage Driver

#### EN-LED18024

180W Non-Dimmable 24V  
Constant Voltage Driver



Cat. No.	Input Voltage	Output Voltage (V DC)	Nominal Power	Max. Amb Temp (°C)	Dimensions
<b>AU-LED1012CV</b>	100-264V 50-60Hz	12V	10W	50	122 x 40 x 24mm
<b>AU-LED16T</b>	100-264V 50-60Hz	12V	16W	50	156 x 38 x 24mm
<b>AU-LED2512CV</b>	100-264V 50-60Hz	12V	25W	50	145 x 38 x 28mm
<b>EN-LED7512</b>	220-240V 50-60Hz	12V	75W	45	180 x 52 x 30mm
<b>AU-LED1624CV</b>	220-240V 50-60Hz	24V	16W	45	156 x 38 x 24mm
<b>AU-LED2524CV</b>	220-240V 50-60Hz	24V	25W	50	169 x 38 x 28mm
<b>EN-LED7524</b>	220-240V 50-60Hz	24V	75W	45	180 x 52 x 30mm
<b>EN-LED12024</b>	220-240V 50-60Hz	24V	120W	45	300 x 40 x 30mm
<b>EN-LED18024</b>	220-240V 50-60Hz	24V	180W	50	345 x 50 x 35mm



## 12V/24V Constant Voltage Dimmable LED Drivers

A comprehensive range of 12V/24V constant voltage dimmable LED drivers for use with Aurora LED strip and luminaires.

**3 Year Warranty**



### 12V Drivers

**AU-LEDD1012**

10W Dimmable 12V Constant Voltage Driver



**EN-LEDD7512**

75W Triac Dimmable 12V Constant Voltage Driver



### 24V Drivers

**EN-LEDD7524**

75W Triac Dimmable 24V Constant Voltage Driver



**EN-LEDD15024**

150W Triac Dimmable 24V Constant Voltage Driver



**EN-LEDD20024**

200W Triac Dimmable 24V Constant Voltage Driver



Cat. No.	Input Voltage	Output Voltage (V DC)	Nominal Power	Max. Amb Temp (°C)	Max. Case Temp (°C)	Dimensions
<b>AU-LEDD1012</b>	220-240V 50-60Hz	12V	10W	50	75	145 x 40 x 27mm
<b>EN-LEDD7512</b>	220-240V 50-60Hz	12V	75W	50	90	212 x 54 x 33mm
<b>EN-LEDD7524</b>	220-240V 50-60Hz	24V	75W	50	90	212 x 54 x 33mm
<b>EN-LEDD15024</b>	220-240V 50-60Hz	24V	150W	50	90	310 x 60 x 45mm
<b>EN-LEDD20024</b>	220-240V 50-60Hz	24V	200W	50	90	310 x 60 x 45mm



## 12/24V IP67/IP68 Constant Voltage Non-Dimmable LED Drivers



A comprehensive range of 12/24V constant voltage non-dimmable IP67 LED drivers for use with Aurora LED strip and luminaires.

**3 Year Warranty**



### 12V Drivers

#### AU-LED2412IP

24W IP67 Non-Dimmable 12V Constant Voltage Driver

#### AU-LED6012IP

60W IP67 Non-Dimmable 12V Constant Voltage Driver

**NEW**

#### AU-LED10012IP

100W IP67 Non-Dimmable 12V Constant Voltage Driver



### 24V Drivers

#### AU-LED2424IP

24W IP67 Non-Dimmable 24V Constant Voltage Driver

#### AU-LED6024IP

60W IP67 Non-Dimmable 24V Constant Voltage Driver

**NEW**

#### AU-LED10024IP

100W IP67 Non-Dimmable 24V Constant Voltage Driver



#### AU-XLG-150-24A

150W IP67 Non-Dimmable 24V Constant Voltage Driver

#### AU-XLG-200-24A

200W IP67 Non-Dimmable 24V Constant Voltage Driver

#### AU-ELG-300-24A

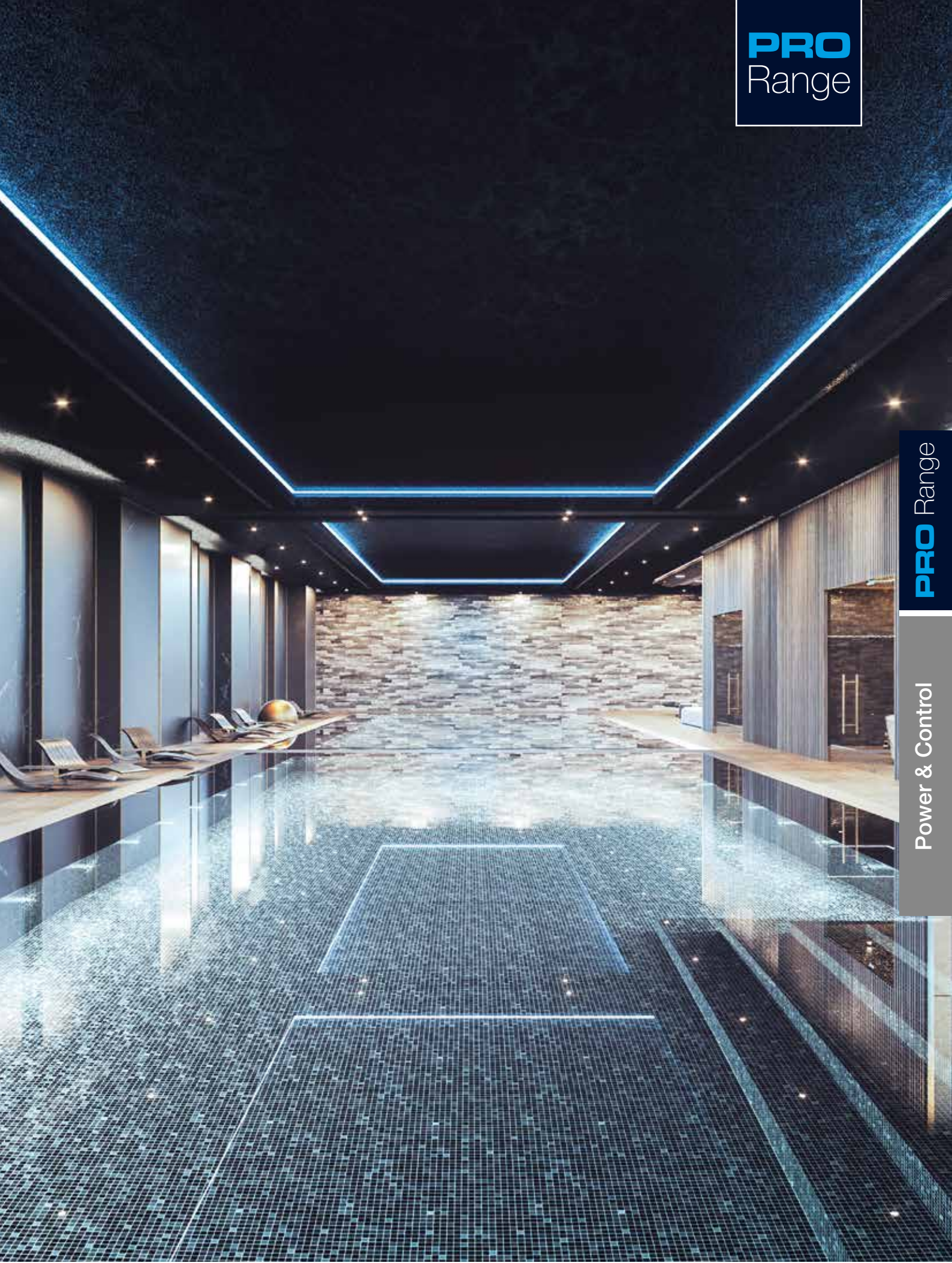
300W IP67 Non-Dimmable 24V Constant Voltage Driver



Cat. No.	Input Voltage	Output Voltage (V DC)	Nominal Power	Max. Amb Temp (°C)	Dimensions
<b>AU-LED2412IP</b>	220-240V 50Hz	12V	24W	40	121 x 38 x 26mm
<b>AU-LED6012IP</b>	220-240V 50Hz	12V	60W	40	166 x 43 x 33mm
<b>AU-LED10012IP</b>	180-264V 50Hz	12V	100W	40	190 x 52 x 37mm
<b>AU-LED2424IP</b>	220-240V 50-50Hz	24V	24W	40	121 x 38 x 26mm
<b>AU-LED6024IP</b>	220-240V 50-50Hz	24V	60W	40	166 x 43 x 33mm
<b>AU-LED10024IP</b>	180-264V 50-50Hz	24V	100W	40	190 x 52 x 37mm
<b>AU-XLG-150-24A*</b>	100-305V 47-63Hz	24V	150W	40	180 x 63 x 36mm
<b>AU-XLG-200-24A*</b>	100-305V 47-63Hz	24V	200W	40	199 x 63 x 35mm
<b>AU-ELG-300-24A*</b>	100-277V 50-60Hz	24V	300W	40	246 x 76 x 40mm

\*These products have a 5 year warranty





## Constant Current LED Drivers

350mA/700mA Constant Current LED drivers

A comprehensive range of constant current drivers for use with Aurora luminaires.

3 Year Warranty



### 350mA

**AU-LED09T**

1-9W Non-Dimmable 350mA Constant Current Driver



**AU-LED09IP**

3-9W IP68 Non-Dimmable 350mA Constant Current Driver



### 700mA

**AU-LEDD7010**

1-10W Dimmable 700mA Constant Current Driver



Cat. No.	Input Voltage	Output Current (mA)	Max Nominal Power	Max. Amb Temp (°C)	Dimensions
<b>AU-LED09T</b>	220-240V 50-60Hz	350mA	9W	50	156 x 38 x 25mm
<b>AU-LED09IP</b>	100-264V 50-60Hz	350mA	9W	50	118 x 35 x 25mm
<b>AU-LEDD7010</b>	220-240V 50-60Hz	700mA	10W	50	185 x 40 x 31mm



## Electronic Transformers

10-210W

A comprehensive range of dimmable electronic transformers

**1 Year Warranty**



**EN-SC60** **LITE** Range  
20-60W/VA Dimmable  
Low Voltage Electronic  
Transformer



**DA-E60** **LITE** Range  
20-60W/VA Electronic  
Transformer



**AU-E60**  
10-60W/VA Dimmable Low  
Voltage Electronic Transformer



**AU-E105**  
35-105W/VA Dimmable  
Low Voltage Electronic  
Transformer



**AU-150**  
50-150W/VA Dimmable  
Transformer



**AU-210**  
50-210W/VA Dimmable  
Transformer



**AU-RD105**  
35-105W/VA Dimmable  
Transformer



**AU-RD150**  
50-150W/VA Dimmable  
Transformer



**AU-RD210**  
50-210W/VA Dimmable  
Transformer



Cat. No.	Input	Output Voltage (V)	Max Nominal Power	Max. Amb Temp (°C)	Max. Case Temp (°C)	Dimensions
<b>EN-SC60</b>	240V 50-60Hz	11.4V	60W	50	75	88 x 40 x 20mm
<b>DA-E60</b>	240V 50-60Hz	11.4V	60W	50	75	100 x 41 x 20mm
<b>AU-E60</b>	250V 30-50Hz	11.4V	60W	50	70	90 x 39 x 27mm
<b>AU-E105</b>	250V 30-50Hz	11.4V	105W	45	75	145 x 38 x 25mm
<b>AU-150</b>	250V 30-50Hz	11.4V	150W	45	80	145 x 43 x 28mm
<b>AU-210</b>	250V 30-50Hz	11.4V	210W	45	80	164 x 46 x 32mm
<b>AU-RD105</b>	250V 30-50Hz	11.4V	105W	45	75	86 x 25mm
<b>AU-RD150</b>	250V 30-50Hz	11.4V	150W	45	80	105 x 25mm
<b>AU-RD210</b>	250V 30-50Hz	11.4V	210W	45	80	110 x 35mm



# LED Strip Controllers



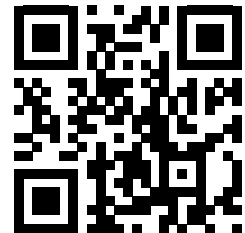
**Less Wiring, More Control** 5 Year Warranty

## RGB+Tuneable White Wireless Receiver



- 5 Channels for RGB + Tuneable White control
- Simple pairing solution for new or retrofit installations
- Can control up to 600W of LED load at 12V, 300W at 24V
- LED driver required
- Works with 12 or 24V LED strip (requires 12V or 24V driver compatible with correct strip)

## Watch Video



Cat. No.	Input Voltage	Max Nominal Power	Max. Amb Temp (°C)	Dimensions
RGB+Tuneable White Wireless Receiver <b>AU-RGBCXWR1</b>	12-24V	600W	55	175 x 45 x 27mm

## Compatible Strip:

- EN-ST80RGBCX**
- EN-ST100RGB**

## RGB+Tuneable White Wall & Remote Controllers

See Pg. 170



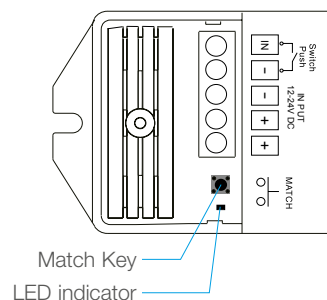
## Product Pairing

### Single Zone Remote

Press match key followed by the power button to pair

### Four Zone Remote/Wall Controller

Press match key followed by the scene button to pair



## RGB / Tuneable White All In One Driver

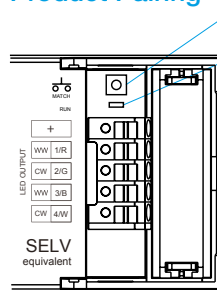


- 4 Channels for RGB + Tuneable White control
- Combined LED driver and wireless receiver
- Control RGB or Tuneable White LED strip in the same driver
- Less wiring making it an easier installation
- Simple pairing solution for new or retrofit installations
- 75W and 150W driver available

### RGB Install



### Product Pairing



Match Key

LED indicator

#### Single Zone Remote

Press match key followed by the power button to pair

#### Four Zone Remote/Wall Controller

Press match key followed by the scene button to pair

### Tuneable White Install



Cat. No.	Input Voltage	Max Nominal Power	Max. Amb Temp (°C)	Dimensions
<b>RGB / Tuneable White Driver with RF Control</b>				
<b>AU-RGBCXWD1</b>	24V	75W	50	179 x 56 x 30mm
<b>AU-RGBCXWD2</b>	24V	150W	50	280 x 67 x 36mm

### RGB / Tuneable White RF Wall & Remote Controllers

See Pg. 170



### Compatible Strip:

#### RGB

- EN-ST1024RGB
- EN-ST224RGB
- EN-ST324RGB

#### Tuneable White

- EN-ST1024CX
- EN-ST90CXB

## Wall & Remote Controllers



**AU-RGBCXWC1W**



**AU-RGBCXWC1B**

RGB + Tuneable White Battery Wall Controller



**AU-CXRC2**

4 Zone Control Tuneable White Remote Controller



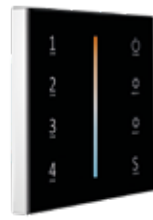
**AU-RGBCXRC2**

4 Zone Control RGB + Tuneable White Remote Controller



**AU-CXWC1W**

Tuneable White Battery Wall Controller



**AU-CXWC1B**



**AU-CXRC1**

Single Zone Control Tuneable White Remote Controller



**AU-RGBCXRC1**

Single Zone Control RGB + Tuneable White Remote Controller

## RGB + Tuneable White Controller Settings



Single press to change between RGB and tuneable white



Double press to change between RGB and tuneable white



Press to change between RGB and tuneable white

- Requires 2xAAA for wall controller and four zone remote controller
- Requires 1x CR2032 for single zone remote
- Wall controller and remote controller can be used together

- Ability to dim RGB colour and tuneable white
- No need for a DMX controller unit
- Wall controller is surface mounted
- 30m distance (remote) or 15m distance (wall control)

Cat. No.	Colour Control	Colour Finish	Dimensions
<b>Battery Wall Controller</b>			
<b>AU-CXWC1*</b>	Tuneable White	-	86 x 86 x 21mm
<b>AU-RGBCXWC1*</b>	RGB + Tuneable White	-	86 x 86 x 21mm
<b>Single Zone Remote</b>			
<b>AU-CXRC1</b>	Tuneable White	Black	139 x 36 x 11mm
<b>AU-RGBCXRC1</b>	RGB + Tuneable White	Black	139 x 36 x 11mm
<b>Four Zone Remote</b>			
<b>AU-CXRC2</b>	Tuneable White	Black	122 x 53 x 18mm
<b>AU-RGBCXRC2</b>	RGB + Tuneable White	Black	122 x 53 x 18mm

\*Add Suffix **W** or **B** for White or Black finish options.

## Dimmers and Switch Module

### 60-400W

Triac dimmer module suitable for control of dimmable LED lamps, dimmable electronic transformers, dimmable LED drivers

Integrated trimming potentiometer allows lamps to be set at a minimum level

Leading edge phase control

For use with resistive and inductive loads

Integrated over-temperature protection fuse

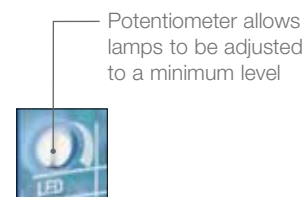
Module case ultrasonically sealed to reduce dimmer buzzing

May be fitted to most dimmer plates

One or two way switching

Derate dimmer by 70% for LED loads

**1 Year Warranty**



Potentiometer allows lamps to be adjusted to a minimum level

**EN-DSP400X**

1 Gang 2 Way 60-400W Zero Cross Rotary Dimmer Module

### 1-10V

Suitable for control of dimmable 1-10V LED drivers

Integrated over-temperature protection fuse

Module case ultrasonically sealed to reduce dimmer buzzing

One or two way switching

Switch load of 400W

**1 Year Warranty**



**AU-DSPLED**

Rotary LED Dimmer Switch  
1-10V 1 Gang 2 Way

### 2 Way On/Off Switch

Not suitable for use with fluorescent lamps

For use with resistive and inductive loads

Integrated over-temperature protection fuse

Fits a plaster depth (16mm) mounting box

**1 Year Warranty**



**AU-DSP01**

2 Way On/Off Module Switch

Cat. No.	Description
<b>EN-DSP400X</b>	60-400W 1 Gang 2 Way Zero Cross Rotary Dimmer Module
<b>AU-DSPLED</b>	1 Gang 2 Way Rotary Dimmer
<b>AU-DSP01</b>	2 Way On/Off Module Switch

## Dimmers

### 1 and 2 Gang 2 Way Dimmers 40 - 250VA

Triac dimmer suitable for control of dimmable electronic transformers, dimmable LED drivers

Not suitable for use with fluorescent lamps

Leading edge phase control

For use with resistive and inductive loads

Integrated over-temperature protection fuse

Module case ultrasonically sealed to reduce dimmer buzzing

Fits a plaster depth (16mm) mounting box

One or two way switching

Derate dimmer by 70% for LED loads

**1 Year Warranty**



**AU-DSP251**  
1 Gang 2 Way Rotary Dimmer



**AU-DSP252**  
2 Gang 2 Way Rotary Dimmer

## Dimmers

### 1 and 2 Gang 2 Way Dimmers 60 - 400VA

Triac dimmer suitable for control of dimmable electronic transformers, dimmable LED drivers

Not suitable for use with fluorescent lamps

Leading edge phase control

For use with resistive and inductive loads

Integrated over-temperature protection fuse

Module case ultrasonically sealed to reduce dimmer buzzing

Fits a plaster depth (16mm) mounting box

One or two way switching

Derate dimmer by 70% for LED loads

**1 Year Warranty**



**AU-DSP401**  
1 Gang 2 Way Rotary Dimmer

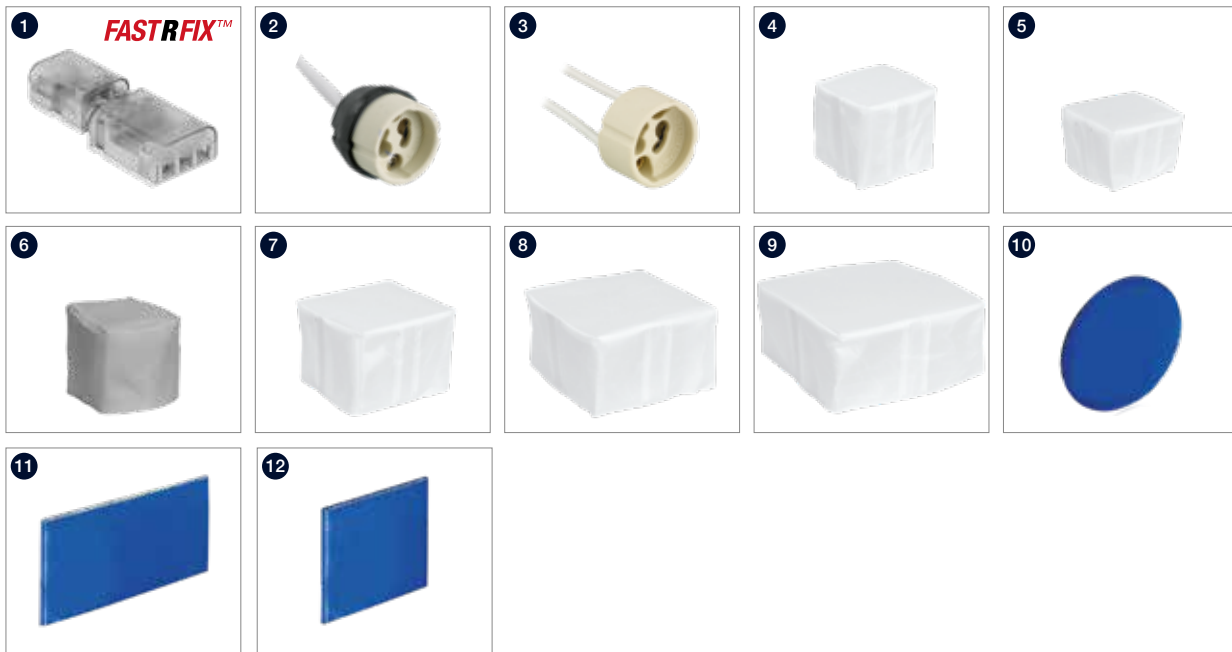


**AU-DSP402**  
2 Gang 2 Way Rotary Dimmer

Cat. No.	Description
<b>AU-DSP251</b>	1 Gang 2 Way Rotary Dimmer
<b>AU-DSP252</b>	2 Gang 2 Way Rotary Dimmer
<b>AU-DSP401</b>	1 Gang 2 Way Rotary Dimmer
<b>AU-DSP402</b>	2 Gang 2 Way Rotary Dimmer



Connectors / Firehoods / Gaskets



Cat. No. Description

Connectors

- 1 **AU-FF13** FastRFix™ 3 Pole Connector
- 2 **AU-0601F** GU10 Lampholder with 21cm tails
- 3 **AU-BMV200** GU10 3-Pole push Terminal Block & Lampholder

Firehoods

- 4 **AU-FH150** 80mm Diameter Firehood
- 5 **AU-FH150/105** 80mm Diameter Firehood
- 6 **AU-FH150/C** 80mm Diameter Firehood
- 7 **AU-FH200** 115mm Diameter Firehood
- 8 **AU-FH250** 140mm Diameter Firehood
- 9 **AU-FH300** 250mm Diameter Firehood

Intumescent Gaskets

- 10 **AU-FGBX** Conduit Box Intumescent Gasket
- 11 **AU-FGDB** Double Box Intumescent Gasket
- 12 **AU-FGSB** Single Box Intumescent Gasket



AU-FGSB in a plastic electrical box

AU-FGDB in a plastic electrical box

AU-FGBX in a plastic ceiling rose box



WORKS STRAIGHT  
**OUT OF THE BOX**

EASY TO INSTALL  
NO SETUP  
NO HUB REQUIRED



ADVANCED CONTROL  
**VIA FREE APP**

EDIT SCENES  
SYNC MUSIC  
SET SCHEDULES

## FOUR LEVELS OF **WIRELESS LIGHTING CONTROL**

### **LEVEL 1** STARTER KITS



**connect.control**<sup>™</sup> Starter Kits enable you to smarten one room with feature lighting, plus immediate control.

- Select from five preset lighting scenes
- Recall six RGB colours to suit your mood
- Adjust colour temperature between warm and cool white
- Control brightness

### **LEVEL 2** ADDITIONAL DEVICES



With a GLS Lamp Starter Kit, you can also add **GU10 lamps or downlights** to your system.

Bluetooth connect.control lamps can be purchased separately and used straight out of the box, for control with the same remote as used in the Starter Kit, without additional setup.

All lights function simultaneously, so when a specific scene is selected, all lights will move to that scene.

## WHAT IS **CONNECT.CONTROL?**

**connect.control**<sup>™</sup> is our intuitive 'point-and-click' range, the easiest way to begin your smart lighting journey.

Simply connect your lights, turn on the remote and take control straight out of the box, no need to download the app.

Recall six RGB colours, trigger five pre-programmed scenes, set brightness or adjust colour temperature from warm to cool.

## SIMPLE SMART CONTROL **AT YOUR FINGERTIPS**

### **LEVEL 3**

#### DEDICATED CONTROLLERS



**Add more lights in multiple rooms or outdoors, with separate controllers for each space.**

It is possible to group a specific remote or battery dimmer with a group of lights without touching the app.

This avoids any interference if you plan to use connect.control lights in more than one room.

You can also use a remote controller and battery dimmer in the same group, enabling a wall control solution, too.

For further details about grouping controllers and specific groups of lights together, please visit our website which has links to our step by step videos.

### **LEVEL 4**

#### APP CONTROL



**Access more advanced features within the FREE Aurora BLE app.**

The app allows Scene editing, either adjusting specific light settings or for all lights in the chosen room.

Create Schedules to suit your routine by choosing the time and days to repeat.

For those vibrant occasions, we have included Music Mode, which synchronises with the rhythm of music.

**connect.control - simplifying your smart lighting journey.**

**Visit [auroralighting.com/connectcontrol](http://auroralighting.com/connectcontrol) to learn more.**

## Bluetooth RGB + Tuneable White Lamp Kits

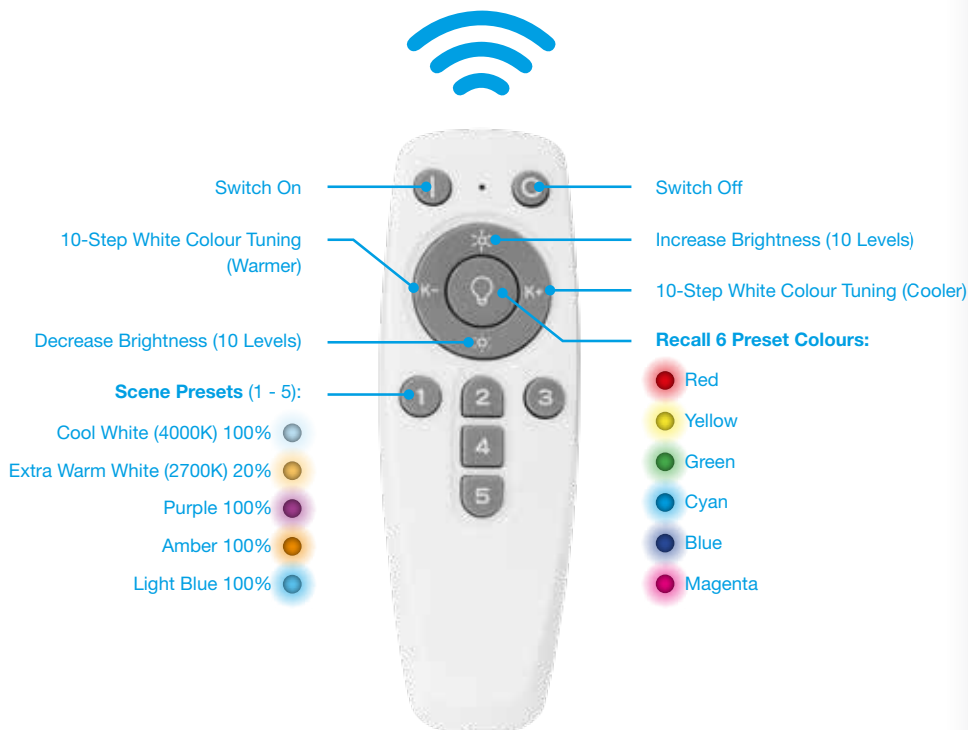
A perfect way to begin your Smart Lighting journey.

Using Bluetooth technology, Aurora's connect.control™ product range offers you instant smart lighting control, straight out of the box.

**Connect your light fittings**, turn the remote on and simply begin to control your lights. You can recall 6 RGB colours, trigger between pre-programmed scenes or adjust the colour temperature from warm to cool light.



### CONNECT.CONTROL™ REMOTE FUNCTIONS



#### Upgrade Process

There are four levels of control available in the Bluetooth system

##### Level 1 - Starter Kit

Simply smarten one room with a single kit and remote

##### Level 2 - Adding More Devices

Add additional Bluetooth lamps to your existing kit  
See Page 174-175 for additional devices

##### Level 3 - Group Lights and Remotes Together

Purchase multiple kits and assign remotes to a specific group of lights

##### Level 4 - App Control

Download the Aurora BLE App and use the generic login details to control your devices, edit scenes and create schedules.

connect.control™ GLS & GU10 kits, all offering RGB + Tuneable White options



2700K

5000K

"Create millions of colours"



2x AAA batteries supplied

AU-A1BTRC1

(L) 120mm Length

(W) 40mm Width

(H) 20mm Height

Compatible with the Aurora BLE App

3 Year Warranty

L70 25,000hrs

On/Off, Dimmable, RGB and Tuneable White control

**AOne**.light  
connect.control™ RGB + Tuneable White GU10 & GLS Lamp kits



RGB + Tuneable White colour temperature between 2700-5000K

Kits supplied with RGB + Tuneable White lamps and remote



**GU10 LAMP KIT**

4x 4W RGB + Tuneable White GU10 Lamps & Bluetooth Remote



works with

.control

Bluetooth Remote  
See pg.176



Bluetooth Battery Dimmer  
See pg.187



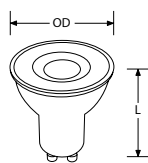
**E27 GLS LAMP KIT**

2x 8W RGB + Tuneable White E27 GLS Lamps & Bluetooth Remote

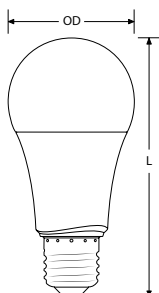


**B22 GLS LAMP KIT**

2x 8W RGB + Tuneable White B22 GLS Lamps & Bluetooth Remote



**GU10**  
(OD) 50mm Overall (Ø)  
(L) 56mm Length



**GLS**  
(OD) 60mm Overall (Ø)  
(L) 117mm Length



2700K	5000K
300lm/m	330lm/m
800m/m	850lm/m
GU10	GLS

Cat. No.	Base	Watts	Colour	Lumens	lm/W	Beam
<b>GU10 lamp kit</b>						
<b>AU-A1BTGUCWK</b>	GU10	4W	2700-5000K	300-330lm	82	40°
<b>GLS lamp kit</b>						
<b>AU-A1BTGECWK</b>	E27	8W	2700-5000K	800-850lm	106	160°
<b>AU-A1BTGBCWK</b>	B22	8W	2700-5000K	800-850lm	106	160°
<b>Accessories</b>						
<b>AU-A1BTRC1</b>	AOne™ connect.control™ Bluetooth Remote					
<b>AU-A1BTR2GW</b>	AOne™ connect.control™ Two Gang Wireless Battery Dimmer					



Bluetooth Lighting

## Bluetooth RGB + Tuneable White LED Strip Kits

A great way to add vibrancy and feature lighting to any residential or hospitality project.

Install your LED strip, turn the remote on and simply begin to control the colour within your application. Recall RGB colours and adjust colour temperatures to offer warm or cool light.



### Application Overview



Bluetooth

**CREATE ADDED AMBIANCE**  
Use the **connect.control<sup>TM</sup>** strip kit to add vibrancy to your application.

The ideal and versatile addition that can be used to further enhance multiple environments.

Lighting



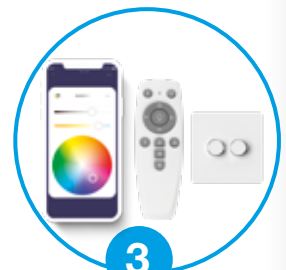
**1**

**Install** LED strip to any clean surface within your space



**2**

**Connects** automatically to the connect.control<sup>TM</sup> controllers



**3**

**Control** via App or connect.control<sup>TM</sup> controllers

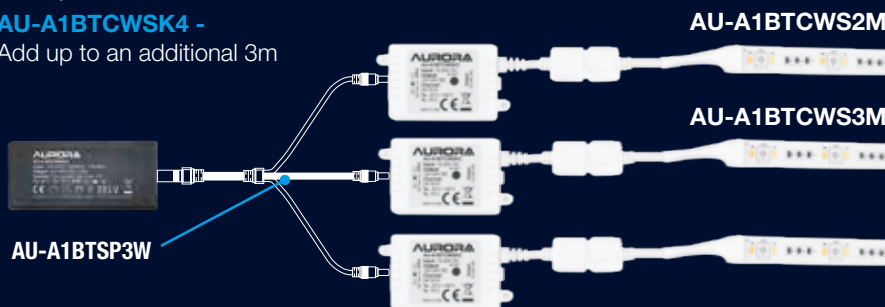


Compatible with EN-CH106KIT & EN-CH109KIT aluminium channel  
see page 147

### ADD ADDITIONAL LED STRIP TO YOUR KIT USING LED STRIP ACCESSORIES:

**AU-A1BTCWSK1 -**  
Add up to an additional 5m

**AU-A1BTCWSK4 -**  
Add up to an additional 3m



2x AAA batteries supplied

**AU-A1BTRC1**  
(L) 120mm Length  
(W) 40mm Width  
(H) 20mm Height

Compatible with the Aurora BLE App

3 Year Warranty

L70 25,000hrs

On/Off, Dimmable, RGB and Tuneable White control



works with

.control

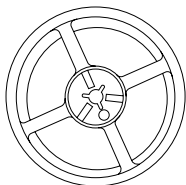
Bluetooth Remote  
See pg.176



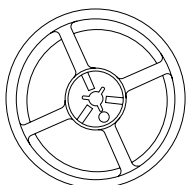
Bluetooth  
Battery Dimmer  
See pg.187



2m & 3m Addition Kit Includes,  
Bluetooth module, 2/3m LED  
strip, fixing clips.



AU-A1BTCWSK4  
(L) 3000mm Length



AU-A1BTCWSK1  
(L) 5000mm Length

# AOne<sup>TM</sup>.light

connect.control<sup>TM</sup> RGB + Tuneable  
White LED Strip Kits



3m or 5m RGB + tuneable white LED strip, control colour temperature between 2700-5000K

5-100% dimming range

120° beam angle

Cut points every 167mm

Two installation options available for plug & play or for hardwiring

Add AU-A1BTCWS2M + AU-A1BTCWS3M for an additional 5m of strip to 5m kit (10m total)

Add AU-A1BTCWS3M for an additional 3m of strip to the 3m kit (6m total)

Ability to be controlled individually or within a space

Can be used in lighting scenes, schedules and music mode via the app

Works directly with the Aurora BLE App and the connect.control<sup>TM</sup> remote control AU-A1BTRC1 or battery dimmer AU-A1BTR2GW



## 3M OR 5M LED STRIP KITS

6W/m RGB + Tuneable White Indoor LED Strip & Bluetooth Remote



"Create millions of colours"

2700K

400lm/m

5000K

530lm/m

Cat. No.	Watts/m	No. of LED/m	Colour	lm/m
<b>3m LED strip kit</b>				
<b>AU-A1BTCWSK4</b>	6	90	2700-5000K	400-530lm/m
<b>5m LED strip kit</b>				
<b>AU-A1BTCWSK1</b>	6	90	2700-5000K	400-530lm/m
<b>Accessories</b>				
<b>AU-A1BTSP3W</b>	AOne <sup>TM</sup> connect.control <sup>TM</sup> Splitter Cable for Strip Addition Packs			
<b>AU-A1BTCWS2M</b>	AOne <sup>TM</sup> connect.control <sup>TM</sup> 2m LED Strip Addition Pack			
<b>AU-A1BTCWS3M</b>	AOne <sup>TM</sup> connect.control <sup>TM</sup> 3m LED Strip Addition Pack			





## Bluetooth RGB + Tuneable White Lamps

A great way to smarten any application and a simple way to add to an existing smart kit. Additional lamps will immediately work with other lamps straight out of the box.

### Application Overview

# THE ULTIMATE SMART LIGHTING UPGRADE

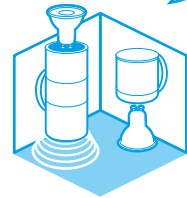
#### SET YOUR SCENES

Group your home lighting into rooms using the remote to enable on or off control, dimming and colour changing functionality.

Preset lighting scenes ready for you to enable straight out of the box.

#### SmartTip

Extend control outside with GU10s in wall, ground and spike lighting



Bluetooth

Lighting

### 3 Step Simple Install



**1** Replace existing lamps with AOne™ Bluetooth LED lamps



**2** Connects automatically to the connect.control™ controllers



**3** Control via App or connect.control™ controllers

### Retrofit Solution

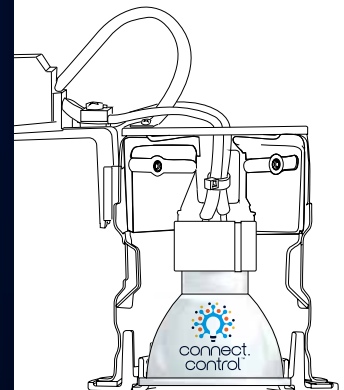
For Indoor & Outdoor Applications



2700K

5000K

"Create millions of colours"



AOne™ Smart Lamp fits all Aurora standard cans

3 Year Warranty

L70 25,000hrs

On/Off, Dimmable, RGB and Tuneable White control

# AOne™.light

connect.control™ RGB + Tuneable White GU10



RGB + tuneable white colour temperature between 2700-5000K

5-100% dimming range

Suitable for use in most GU10 downlights

Ability to be controlled individually or within a space

Can be used in lighting scenes, schedules and music mode via the app

Works directly with the Aurora BLE App and the connect.control™ remote control AU-A1BTRC1 or battery dimmer AU-A1BTR2GW



works with

.control

Bluetooth Remote  
See pg.176

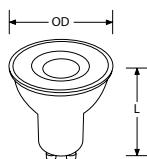


Bluetooth Battery Dimmer  
See pg.187



## AOne™ RGB + Tuneable White GU10 Lamp

See Pg. 176 & 187 for information on the connect.control™ Bluetooth controllers



AU-A1BTGUCW  
(OD) 50mm Overall (Ø)  
(L) 56mm Length

Cat. No.	Base	Watts	Colour	Lumens	lm/W	Beam
<b>RGB + Tuneable White GU10</b>						
<b>AU-A1BTGUCW</b>	GU10	4W	2700-5000K	300-330lm	82	40°
<b>Accessories</b>						
<b>AU-A1BTRC1</b>	AOne™ connect.control™ Bluetooth Remote					
<b>AU-A1BTR2GW</b>	AOne™ connect.control™ Two Gang Wireless Battery Dimmer					



**AOne**.light  
connect.control™ RGB + Tuneable  
White GLS



RGB + tuneable white colour temperature between 2700-5000K  
5-100% dimming range  
Available in E27 or B22 base type  
Ability to be controlled individually or within a space  
Can be used in lighting scenes, schedules and music mode via the app  
Works directly with the Aurora BLE App, the connect.control™ remote control AU-A1BTRC1 and battery dimmer AU-A1BTR2GW



3 Year Warranty

L70 25,000hrs

On/Off, Dimmable, RGB and Tuneable White control

Bluetooth Lighting



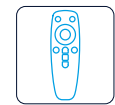
AOne™ RGB + Tuneable White GLS Lamp

See Pg. 176 & 187 for information on the connect.control™ Bluetooth controllers

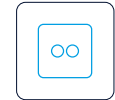


works with

.control

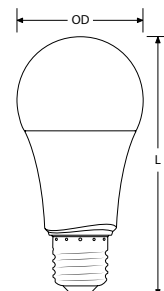


Bluetooth Remote  
See pg.176



Bluetooth  
Battery Dimmer  
See pg.187

Cat. No.	Base	Watts	Colour	Lumens	lm/W	Beam
<b>RGB + Tuneable White GLS</b>						
<b>AU-A1BTGSCWE</b>	E27	8W	2700-5000K	800-850lm	106	160°
<b>AU-A1BTGSCWB</b>	B22	8W	2700-5000K	800-850lm	106	160°
<b>Accessories</b>						
<b>AU-A1BTRC1</b>	AOne™ connect.control™ Bluetooth Remote					
<b>AU-A1BTR2GW</b>	AOne™ connect.control™ Two Gang Wireless Battery Dimmer					



**AU-A1BTGSCW**  
(OD) 60mm Overall (Ø)  
(L) 117mm Length





3 Year Warranty

L70 25,000hrs

On/Off, Dimmable, RGB and Tuneable White control



# AOne™.light

connect.control™ RGB + Tuneable White Candle



RGB + tuneable white colour temperature between 2700-5000K

5-100% dimming range

Available in E14 base type

Ability to be controlled individually or within a space

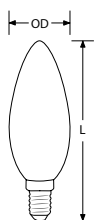
Can be used in lighting scenes, schedules and music mode via the app

Works directly with the Aurora BLE App, the connect.control™ remote control AU-A1BTRC1 and battery dimmer AU-A1BTR2GW



AOne™ RGB + Tuneable White Candle Lamp

See Pg. 176 & 187 for information on the connect.control™ Bluetooth controllers



AU-A1BTE14CW  
(OD) 38mm Overall (Ø)  
(L) 116mm Length

Cat. No.	Base	Watts	Colour	Lumens	lm/W	Beam
<b>RGB + Tuneable White Candle</b>						
<b>AU-A1BTE14CW</b>	E14	5W	2700-5000K	450-470lm	94	180°
<b>Accessories</b>						
<b>AU-A1BTRC1</b>	AOne™ connect.control™ Bluetooth Remote					
<b>AU-A1BTR2GW</b>	AOne™ connect.control™ Two Gang Wireless Battery Dimmer					





# Bluetooth RGB + Tuneable White Fixed Downlight

A simple and cost effective solution to add smart lighting to a hospitality or commercial environment, adding vibrant RGB colour mixing for feature lighting and functional warm to cool tuneable whites with minimal set up

## Application Overview

# CREATE YOUR OWN AMBIENCE



**SIMPLE UPGRADE**  
Aurora's Bluetooth downlight with RGB colour and tuneable white colours offers flexibility throughout the day and night.

**SmartTip**  
Adjust the colour temperatures and brightness during the day and night, to set the right light for the right mood or enable music mode for a vibrant party atmosphere



## 3 Step Simple Install



**1**  
Replace existing downlight with AOne™ Bluetooth Downlight



**2**  
Connects automatically to the connect.control™ controllers



**3**  
Control via App or connect.control™ controllers

## One Downlight, RGB + Tuneable White

Fully dimmable, RGB + Tuneable White - Matches light output to environment & time of day



2700K

5000K

"Create millions of colours"

Bluetooth

Lighting



3 Year Warranty

L70 25,000hrs

On/Off, Dimmable, RGB and Tuneable White control

White finish



works with .control

Bluetooth Remote  
See pg.176



Bluetooth Battery Dimmer  
See pg.187



# AOne.light

connect.control™ RGB + Tuneable White Fixed Downlight



RGB + tuneable white colour temperature between 2700-5000K

5-100% dimming range

Ability to be controlled individually or within a space

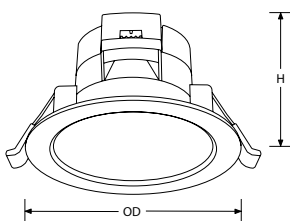
Can be used in lighting scenes, schedules and music mode via the app

Works directly with the Aurora BLE App and the connect.control™ remote control AU-A1BTRC1 or battery dimmer AU-A1BTR2GW



Fixed Bluetooth RGB + Tuneable White Downlight

See Pg. 176 & 187 for information on the connect.control™ Bluetooth controllers



AU-A1BTD10CW  
(H) 62mm Height  
(OD) 113mm Overall (Ø)

Cat. No.	Watts	Colour	Lumens	lm/W	Beam	Cutout [Ø]
AU-A1BTD10CW	10W	2700-5000K	800-900lm	90	100°	90mm

### Accessories

AU-A1BTRC1 AOne™ connect.control™ Bluetooth Remote

AU-A1BTR2GW AOne™ connect.control™ Two Gang Wireless Battery Dimmer

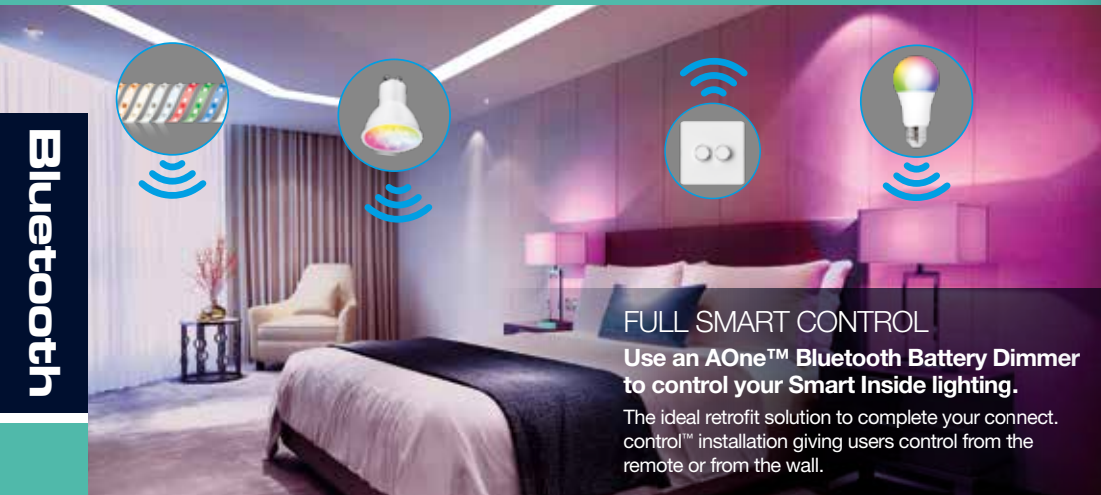


## Bluetooth Battery Rotary Dimmer

Using Bluetooth technology, Aurora's connect.control™ product range offers you instant smart lighting control, straight out of the box. Connect your light fittings, turn the dimmer on and simply begin to control your lights. You can recall **6 RGB colours**, trigger **pre-programmed scenes** or adjust the **colour temperature from warm to cool**.



### Dimming, RGB & Tuneable White Colour Control



Bluetooth

#### FULL SMART CONTROL

Use an AOne™ Bluetooth Battery Dimmer to control your Smart Inside lighting.

The ideal retrofit solution to complete your connect.control™ installation giving users control from the remote or from the wall.



15mm surface mount pattress **(included)** for easy installation with or without back box

Control

#### Left Dimmer Primary Function

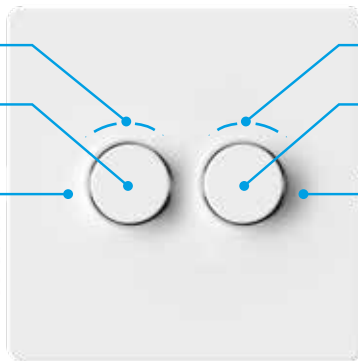
**Increase/Decrease Brightness (10 Levels)**

Push ON/OFF

#### Left Dimmer Secondary Function

3 second press to activate

- Red ● Cyan ●
- Yellow ● Blue ●
- Green ● Magenta ●



#### Right Dimmer Primary Function

**10-Step Colour tuning (Warmer/Cooler)**

Push ON/OFF

#### Right Dimmer Secondary Function

3 second press to activate

Scene Presets (1 - 5):

- 100% (4000K) Cool White
- 20% (2700K) Warm White
- 100% Purple
- 100% Amber
- 100% Light Blue

#### connect.control™ options

Control connect.control lighting from the comfort of your sofa with the remote or from the wall with the wall mounted Bluetooth battery dimmer.



Bluetooth Battery Dimmer



Bluetooth Remote

Supplied with batteries



2x AAA



2x AA

3 Year Warranty

On/Off, Dimmable, RGB and  
Tuneable White control

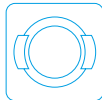
White finish



works with

.control

RGBCX Downlight  
See pg.185



RGBCX Strip  
See pg.179



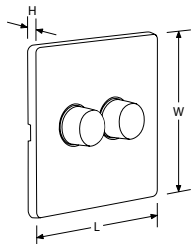
RGBCX GU10  
See pg.181



RGBCX GLS  
See pg.182



RGBCX Candle  
See pg.183



**AU-A1BTR2GW**

- (L) 92mm Length
- (W) 92mm Width
- (H) 6mm Height
- (RD) 13mm Recess Depth

# AOne™.control

## connect.control™ Rotary Dimmer



Works straight out of the box with all connect.control™ devices

Control your connect.control™ lights by replacing your existing light switches

Can be paired through the Aurora BLE App to control all connect.control™ devices

Preset scenes can be amended through the Aurora BLE App

Battery powered meaning no wiring required

Battery dimmer controls 1 group of lights

Primary functions on the dimmer - left side provides dimming, right side provides colour temperature adjustments

Secondary functions on the dimmer - left side scrolls through 6 RGB colours, right side provides 5 preset scenes

Surface mount pattress and 2x AA batteries included



AOne™ Bluetooth Battery Rotary 2 Gang Dimmer

Cat. No.	Description
<b>Smart Rotary 2 Gang Dimmer</b>	
<b>AU-A1BTR2GW</b>	AOne™ connect.control™ Two Gang Wireless Battery Dimmer



Bluetooth

Control

## Technical Warranty Information

### Overview

Aurora's in-house technical support department are available on the main sales / customer service number (01707 228 700). Our website contains all information relating to our products, as well as instruction leaflets, installation diagrams, etc. For email support, please contact us on [technical@auroralighting.com](mailto:technical@auroralighting.com)

### Installation

All Aurora products come complete with installation instructions, cut-out template, and are pre-wired with a terminal block and bracket for ease of installation (where applicable). Our downlights include pre-fitted fixing springs for installation in ceilings. Easy removal allows for re-decoration or maintenance.

The installation of Aurora products should only be carried out by a competent person in accordance with the instructions supplied with the product and relevant UK or European standards e.g. the current edition of the I.E.E Wiring Regulations (BS7671).

Aurora will not be held responsible for failure of products due to installations not in accordance with our installation instructions, an improper environment, installation not in accordance with relevant regulations, improper working practice, misuse, negligent storage or accidental damage.

### Terms & Conditions

For full terms & conditions visit <https://auroralighting.com/gb/terms-and-conditions>

### Warranties

Aurora standard Warranty is 1 year unless otherwise stated in the brochure. All product warranty is as per the Warranty section of our Terms & Conditions of Sale.

Extended warranties and standard warranties provide clarity on the length of time that clients can expect a light output to L70 (or 70% of the Lumen performance stated) over the number of hours specified. As an example, a 1000 lumen LED luminaire, 25,000hrs to L70 will deliver at least 700 lumens after 6 years, based on 4000 burning hours / year.

All warranty periods start from the date of purchase and are based on 4000 burning hours / year. We ask our clients to retain proof of date and place of purchase. This will be required should the customer need to make a claim under both extended warranties and standard warranties.

#### Warranties are only valid if:

- The Date of Purchase is confirmed by an official receipt issued at the time of purchase or by a bill of sale.
- The Company is promptly informed of the defect.
- The Goods have not been altered or modified in any way.
- The Goods have been installed by a qualified electrician, in accordance with the instructions provided.
- The Goods have been used in accordance with the instructions provided (i.e. not subjected to incorrect operation, misuse or connection to an unsuitable power supply).

# The NEW EU Regulations

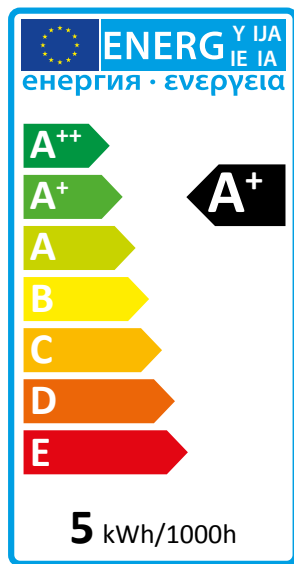
## Same Product, Same Spec, Same Performance...New Energy Class

From 1st September 2021, new energy labelling and energy efficiency regulations came into force in the lighting industry. As part of these regulations manufacturers now have to include a new Energy Label on their packaging. The design of these labels will be modified to include the following details

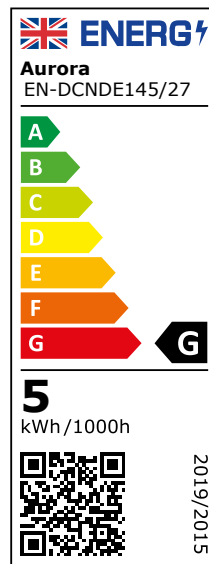
- A new 'A to G' energy efficiency scale
- A QR code with a link to the product data stored in the EPREL database

You may notice that many products which previously would have had an 'A' rating may now have a much lower energy rating. However, it is important to understand that the product has not been downgraded and the specification has not changed. All that has changed is how energy ratings are calculated.

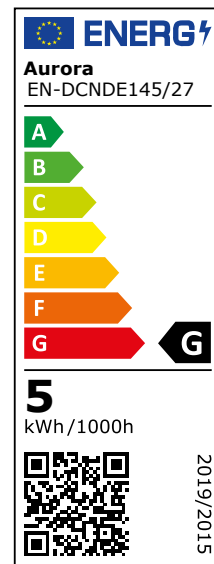
A transition period will be held until March 1, 2023 whilst the old label format is phased out.



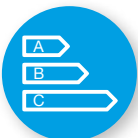
Old Label



New Label



### Key Facts



There will be a new energy efficiency label with a new scale. 'AA++ to E' will become 'A to G'



Existing products may be sold without reclassification until March 2023



All light sources will be included in the EU-wide EPREL database

### Key Dates

What is happening when?



Energy label:  
end of transition phase



Phase-out II

For more information on the new EU SLR and ELR regulations please contact your local sales rep or the Aurora office.

# Joist Compliant Fire Rated Downlights

## Regulations & Testing - The Importance of Compliance

Fire barriers need to be considered during a construction project to make a safe evacuation possible.

The fire-rated downlight is a life-saving luminaire specifically designed with fire barriers in mind.

As market leaders in the manufacture of fire-rated downlights, Aurora are the first choice for specifiers and installers alike.

Aurora's ranges include a variety of integrated LED and GU10 downlights, offering a solution for every application.



✓ Fully Fire Tested in the UK and EU
✓ Meets NHBC Technical Standards

**It's important to note that fire tests aren't universally applicable. Testing with a single joist type or manufacturer does not guarantee safety with other types. Always make sure the test report covers the joist type you are using.**



**SCAN HERE**  
to watch video or visit  
[auroralighting.com/gb/ijoist](http://auroralighting.com/gb/ijoist)

Information



## Fire Testing - Common Engineered Joist Types



**i-Joists**

Timber Engineered I-Joists, sometimes known as I-Beams, are comprised of a top and bottom timber flange combined with a tall vertical OSB (Oriented Strand Board) web:

- They are strong and lightweight, with enhanced rigidity
- High strength-to-weight ratio for easier handling and on-site installation
- Can be cut to required length on-site and installed more quickly
- Not prone to shrinking or warping, resulting in a quieter floor construction
- Can be manufactured in greater lengths, reducing the need for columns & beams
- Allows for larger spaces, satisfying the trend for open-plan living areas in homes



**Metal Web Joists**

Metal Web Joists are constructed with a top and bottom stress graded timber cord, plated together with high strength open metal web sections on either side of the top and bottom timber flanges:

- Have an open central section for ease of installation of services
- Different lengths available to allow for longer spans
- Ideal for open-plan spaces within residential buildings
- Less timber means less shrinkage
- Manufactured to length off-site
- Timber cords should never be cut or drilled on site
- The metal webs should never be cut or removed, as this will reduce strength



**Solid Timber Joists**



Solid timber joists are ideal for smaller projects, such as extensions, small dwellings or where relatively short spans are involved.

- Traditional method for building floors using solid timber
- Strength grading of joists is done by machine to British Standard EN 14081 to classes C16 or C24
- There are actually 12 Strength Classes available in Europe, but the UK mainly uses C16 and C24
- The Strength Class of the joist is very important when determining which joist to use for your project. It will help you identify which joist dimensions to use for a particular span and loading situation

# Fire Rating Explained

## 30, 60, 90 Minute

Remember, with Aurora's ranges of Fire Rated downlights, every product provides complete product confidence, with 30/60/90 rating as standard that covers all joist types.

Minimum Period of Resistance for Domestic Properties   

Domestic properties have different requirements for periods of fire resistance depending on the height of the top floor above ground level or the depth of a basement. See the following table for guidance:

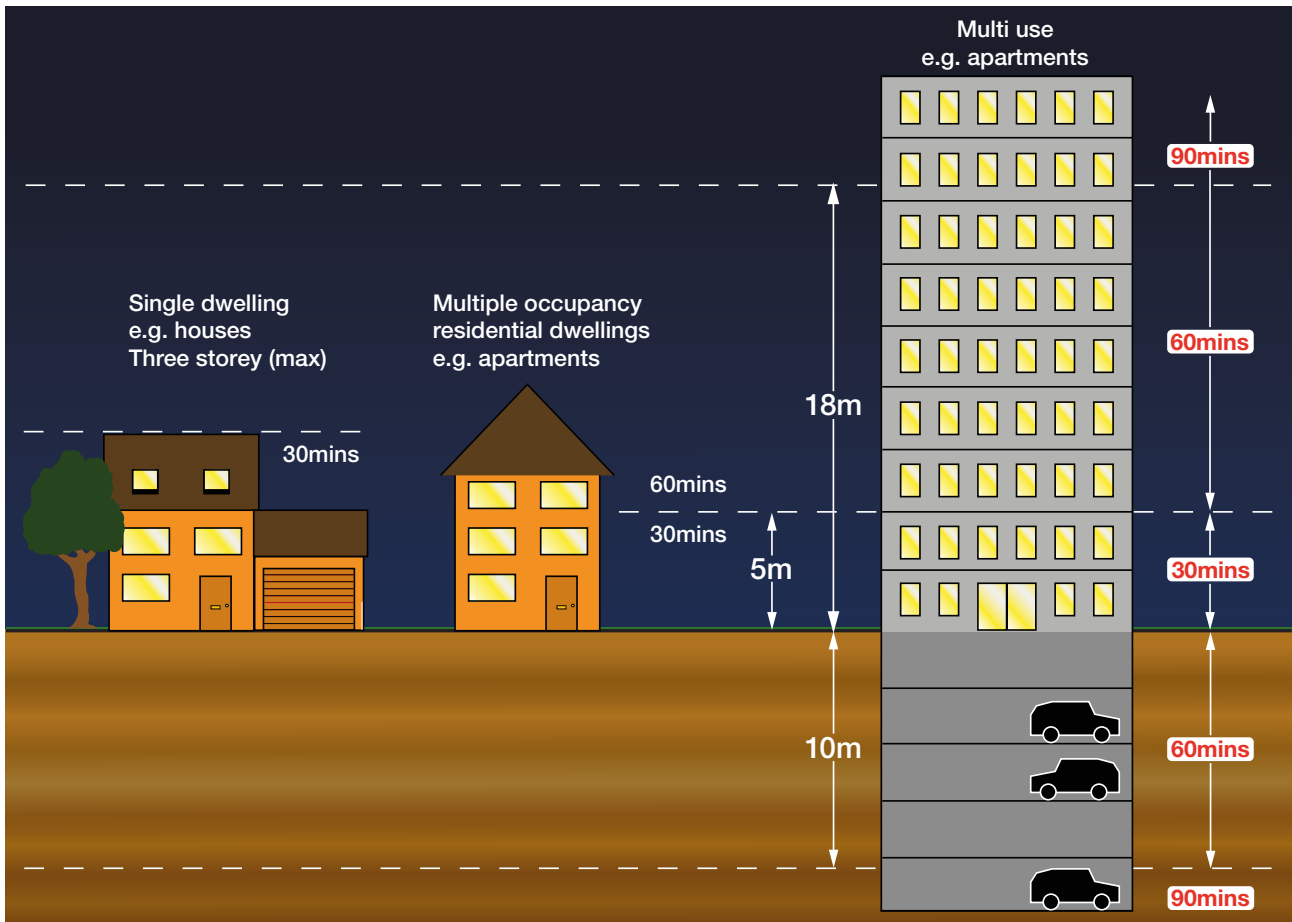
### Fire Resistance Minimum Periods (Minutes)

Purpose group of buildings	Basement		Ground Level or Above			
	Depth (m) of Lowest Basement		Height (m) of Top Floor above ground			
	> 10m	< or = 10m	< or = 5m	< or = 18m	< or = 30m	> 30m
<b>A. Residential (Flats)</b>						
- Not Sprinkled	90	60	30	60	90	-
- Sprinkled	90	60	30	60	90	120
<b>B. Institutional</b>	90	60	30	60	90	120
<b>C. Other Residential</b>	90	60	30	60	90	120

### Fire Resistance Minimum Periods (Minutes)

Basement	Ground Level or Above	
	Height of top floor above ground	
	Not more than 5m	More than 5m
30mins*	30mins*	60mins

## Minimum Periods of Fire Resistance



## L1 & L2 Building Regulations

The Building Regulations 2010: 2021 Edition  
Conservation of Fuel and Power

75lm/W



Reasonable provision should be made for a dwelling to benefit from energy efficient lighting in the following instances:

1. A dwelling is extended
2. A new dwelling is created via change of use
3. The lighting system is being upgraded as part of a re-wire
4. New builds

### Fixed Interior Lighting

In any of the above instances the lighting must have a minimum of 75 light source lumens per circuit Watt. Any single installed switch should operate no more than 6 lamp units, with a total capacity no greater than 100 Watt.

Internal light fittings should have zones of local control, which may be manual, automatic or a combination of both.

### Fixed Exterior Lighting

Exterior lighting should have both of the following:

1. Daylight sensing
2. <75lm/W = automatic sensors/>75lm/W manual control

The Building Regulations 2010: 2021 Edition  
Conservation of Fuel and Power

95lm/W



For a new or existing non-domestic building, all office, industrial, and storage spaces must have lighting that averages at least 95 luminaire lumens per circuit Watt or should observe a LENI calculation that follows Appendix B of Part L. Other spaces within non-domestic buildings must average at least 95 lamp lumens per circuit Watt for general lighting, or 80 light source lumens per circuit Watt for display lighting.

### LENI

The Lighting Energy Numerical Indicator (known as LENI) offers another way for non-domestic buildings to comply with Part L2. LENI is a more complex calculation that requires the designer to calculate the performance of the lighting in terms of energy per square metre per year. This figure also takes lighting control into account, and is therefore based on a lighting design that takes into account all of the user's needs. Recommendations for appropriate illuminance values and other lighting requirements are found in BS EN 12464-1:2011 'Light and Lighting - Lighting at work places - Indoor work places'. Much like the standard Part L2 requirements, there are separate allowances for display lighting.

### Lighting Controls

Lighting controls should follow guidance found in BRE Digest 498 'Selecting lighting controls'. For general interior lighting, areas should avoid unnecessary lighting at times when either daylight levels are sufficient or the spaces are unoccupied. Areas should also feature local switching that's accessible to users. Display lighting should be controlled on dedicated circuits. Unoccupied spaces should have presence detection and occupied spaces should have daylight sensing.

PLEASE NOTE - ABOVE INFORMATION IS A SUMMARY - PLEASE REFER TO RELEVANT BUILDING REGULATIONS FOR FULL DETAILS

## Thermoplastic Fire Rating TP(a) and TP(b)

The Building Regulations 2010  
Approved Document B - Fire Safety



Aurora's LED Panel range TP tests were carried out by the LIA and the results detail the burning rate of a thermoplastic material. The tests that were carried out on each material samples were in accordance with BS 2782-0:2011 Method 508A Rate of burning, Laboratory method to determine whether the thermoplastic is TP(a) or TP(b) rated according to The Building Regulations 2010 (volume 2 - Buildings other than dwelling houses B).

**TP(a)** is awarded to any material, when tested using Method 508A above, where the test flame extinguishes before a certain point on the test sample and any flame or afterglow self-extinguishes within 5 seconds of the source of ignition being removed.

**TP(b)** is awarded to any other material at a thickness between 1.5mm and 3mm that, when tested using Method 508A above, has a maximum rate of burning of 50mm/minute.

















For more detailed information on the application of TP rated materials, please see Building Regulations Approved Document B - Volume 2.
















PLEASE NOTE - ABOVE INFORMATION IS A SUMMARY - PLEASE REFER TO RELEVANT BUILDING REGULATIONS FOR FULL DETAILS



# Approvals Key

## European Safety, EMC Approvals & Symbols Key

	Colour changing RGB (Red, Green, Blue)
	Colour changing RGBCX (Red, Green, Blue, Tuneable White)
	Colour Rendering Index of 80
	Colour Rendering Index of 90
	Colour Switchable
	Acoustic Rated
	Air Leakage Rated
	Equipment must be earthed
	Double Insulated construction – does not require an earth
	Complies with class 3 – safety extra low voltage – less than 50V AC
	Certification Bodies Safety Certificate – valid in 45 countries worldwide
	Equipment for indoor use ONLY
	ENEC – Testing and Certification – in 20 European countries
	Protected against splashing water
	Protected against splashing water and dust
	Protected against low pressure jets of water. Dust tight

	Protected against powerful jets of water. Dust tight
	IP67 protected against effects of temporary immersion. Dust tight
	IP68 protected against submersion in water to the depth stated. Dust tight
	Walkover
	Driveover
	Requires Parallel Wiring (Constant Voltage, 12V DC or 24V DC)
	Requires Series Wiring (Constant Current, 350mA or 700mA)
	Equipment suitable for direct mounting on or in cabinets or furniture
	Complies with building regulations L1A/L1B conservation of fuel and power in dwellings
	Complies with building regulations L2A/L2B conservation of fuel and power in buildings other than dwellings
	Exempt from building regulations L1A/L1B conservation of fuel and power in dwellings
	Protected against impact of 1 joule
	Protected against impact of 1 joule
	Protected against impact of 2 joule
	Protected against impact of 5 joule

## Lighting Terms

### Wattage

A measure of power or the rate of energy consumption by an electrical device when it is in operation, calculated by multiplying the voltage at which an appliance operates by the current it draws (Watts = Volts X Amperes).

### Lumens

A lumen is a unit of measurement used to express how much illumination a light source provides.

### Lumens per Watt

A statement of a light's efficiency which is calculated by dividing the total lumen output of a fixture by its Wattage. The higher the Lumens per Watt, the more efficient a product is at converting electricity into light.

*For example:*

A 50W GU10 halogen produces approximately 400 lumens and consumes 50W of power.

*Therefore where  $400 \div 50 = 8$ , it produces around 8 lumens per 1 Watt of electricity*

A lamp could produce 520 lumens, but consumes just 5W of power.

*Therefore, where  $520 \div 5 = 104$ , it produces 104 lumens per 1 Watt of electricity*

### Lux

A measure of a light's intensity as seen by the human eye, measured by luminous flux per unit area. One lux is equal to one lumen per square metre.

### SDCM

SDCM stands for Standard Deviation Colour Matching and details a colour within which the human eye cannot discern colour difference. The lower the SDCM, the higher the colour consistency you can see across the LEDs.

## Lighting Terms

### Colour Rendering Index (CRI)

A measure of the ability of a light source to reproduce the colours of various objects. A minimum CRI of 80 is recommended for most general domestic and commercial applications, but CRI90+ can be beneficial for some environments, e.g. retail.

### Lumen Depreciation (L70)

Lumen depreciation values reflect the overall performance of a light source through its life. Although still operational, all fixtures will experience a level of lumen depreciation. A L70 value states after how many hours in operation the product will produce 70% of its original lumen output. For example, a fixture that produces 1,000 lumens with a L70 50,000 hours means that after 50,000 hours operation, the lumen output will have dropped to around 700.

### L70 Life Time

The point at which the LED's output has reduced to 70% of its original value, usually measured in thousands-of-hours. LED light sources depreciate slowly over time rather than simply failing. As an example, a 1000 lumen LED luminaire at L70 to 35,000 hours will deliver at least 700 lumens after 35,000 hours of operation.

### L80 Life Time

The point at which the LED's output has reduced to 80% of its original value, usually measured in thousands-of-hours. LED light sources depreciate slowly over time rather than simply failing. As an example, a 1000 lumen LED luminaire at L80 to 35,000 hours will deliver at least 800 lumens after 35,000 hours of operation.

### Intumescent material

Material used within Fire Rated Downlights and gaskets, it expands to form a fire rated barrier once exposed to fire.

### UGR

UGR or Unified Glare Rating is a calculation based on the level of glare which will be present in a certain application. For instance, UGR19 in an office application will provide a comfort light for those working under a panel or downlight. However should there be a UGR22 rating or high, there could be a visible glare impacting productivity.

### BESA Mounting Points

When replacing traditional fluorescent with an LED alternative, having BESA mounting points provides the a like for like replacement perfect for a simple retrofit.

### PIR

A PIR is a presence detector that can turn on a lighting circuit through the detection of a moving object.

### Microwave Sensor

Products which have a microwave sensor option provide an energy saving version that will provide little to no light output until a human target is identified. Causing the fitting to illuminate to the full light output.

### Maintained (Emergency Products)

Maintained emergency lighting luminaires are built to be active continuously in everyday life and through the event of a power cut. Just like a normal luminaire, when running they will take power from the mains supply, but when they switch to emergency mode they take power from a backup battery.

### Non-Maintained (Emergency Products)

Non-maintained emergency lighting is a luminaire made solely for emergency use. It is designed to come on in the event of a mains power failure, making sure all emergency exit routes are clearly illuminated, but will not be active as your normal day-to-day lighting system.

### IK Rating

IK ratings are defined as IKXX, where "XX" is a number from 00 to 10 indicating the degrees of protection provided by enclosures for luminaires against external impacts, measured in joules (J).

Degrees of Protection against external mechanical parts									
IK00	IK02	IK03	IK05	IK06	IK07	IK08	IK09	IK10	IK00
Non-protected	0.2J	0.35J	0.5J	0.7J	1J	2J	5J	10J	20J

## Lighting Terms

### Colour Switchable

Within or outside of a product is a switch that controls which colour temperature can be applied to the product. The switch must be switched prior to install. By doing so you are able to select the most suitable colour temperature for the intended task.

### Wattage Switchable

Selecting a product with the required wattage can be a difficulty, especially once ready to install. Aurora offer wattage switchable fittings that allow you to choose between 2 or 3 wattage options using the included switch.

### Tuneable White

When the term tuneable white is used, this can be identified as the ability to go through the many variations of a white colour temperature, "tuning" to the ideal white colour for the desired application.

### RGB + Tuneable White (RGBCX)

RGBCX provides the option of the RGB function (RGB) but with the ability of tuning through a variation of white colour temperatures (tuneable white).

## Colour Temperatures

	Colour Temperatures in words	Colour Temperatures in numbers	Effects on colour	Typical applications
6500K	Daylight White	5000K +	Strongly enhances blues and greens. White has a blue appearance.	Offices, Hospitals and Industrial
5000K				
4000K	Cool White	4000K	Enhances blues and greens. White has a blue appearance.	Offices, Hospitals and Industrial
3500K	Warm White	3000K - 3500K	Enhances red, orange and green. White has a yellowed appearance.	Residential, Restaurants and Hospitality
3000K				
2700K	Extra Warm White	2200K - 2700K	Strongly enhances red and orange. White has a warm orange appearance.	Residential, Restaurants and Hospitality
2200K				



## Bathroom Zoning Explained

When lighting a bathroom there are multiple areas that require attention which are based on industry regulations. There are three zones within a bathroom and for each zone the correct fitting should be installed. Please see below diagram for reference.



### Zone 0

Zone 0 is an area which can hold water, such as a shower or bath. The products that are suitable for this zone are required to be low voltage (12V max) and rated IPX7.

### Zone 1

Zone 1 is the area extending up to 2.25m above a bath, shower, or tap and requires a minimum IP rating of IPX5.

### Zone 2

Zone 2 is the area up to 0.6m from Zone 1 and requires an IPX4 rated luminaire.

## IP Rating Explained

Ingress Protection (IP) is a value given to products that have particular protection against dust and/or moisture. The IP number is split, the first digit represents the level of protection against dust particles while the second digit represents the protection against moisture. For example IP00 has no protection against dust or moisture whilst a product with IP68 is dust tight and submersible up to 2m.

Solid Object		Moisture	
1	Protected against solid object greater than 50mm, like a hand	1	Protected against vertical water droplets, limited ingress protection
2	Protected against solid object great than 12.5mm, like a finger	2	Protected against vertical water droplets with enclosure tilted 15 degrees, limited ingress protection
3	Protected against solid object greater than 2.5mm, like a screwdriver	3	Protected against water sprays up to 60 degrees vertical, limited ingress protection
4	Protected against solid object greater than 1mm, like a wire	4	Protected against water splash from all directions, limited ingress protection
5	Dust protected with limited ingress of dust permitted	5	Protected against jets of water, limited ingress protection
6	Dust tight with no ingress of dust	6	Protected against powerful jets of water, limited ingress protection
		7	Watertight protection against effects of immersion up to 1m for 30 minutes
		8	Watertight protection against effects of immersion under pressure and for long periods

Ingress protection IP **6** **5**

# Luminaire & Lamp Compatibility Matrix

Fittings/Lamps	Pg.	AU-A1BTGUCW Pg.181	EN-GU005 EN-DGU005 Pg.57	EN-DGU55 Pg.58
EN-DLM211	49	•	•	•
EN-DLM355	48	•	•	•
EN-DLM356	48	•	•	•
EN-DLM357	48	•	•	•
EN-DLM411	47	•	•	•
EN-DLM482	31	•	•	•
EN-DLM611	46	•	•	•
EN-DLM612	46	•	•	•
EN-DLM613	46	•	•	•
EN-DLM614	46	•	•	•
EN-DLM981X	29	•	•	•
EN-DLM982X	29	•	•	•
EN-FD101	30	•	•	•
EN-FD102	30	•	•	•
EN-FD103	30	•	•	•
EN-MGU101	50	•	•	•
EN-MGU102	50	•	•	•
EN-RGL1	117	•	•	•
EN-SL1	123	•	•	•
EN-SSL1	122	•	•	•
EN-TK2	52	•	•	•
EN-WL1	110	•	•	•
EN-WL2	110	•	•	•
EN-WU021SS	116	•	•	•
EN-WU022SS	116	•	•	•

Information

## Compatible luminaire examples



**EFD<sup>TM</sup> PRO**



**EDLM<sup>TM</sup>**



**G-Lite<sup>TM</sup>**



**WallE<sup>TM</sup>**

# Aurora Terms and Conditions Of Sale (these "Terms and Conditions")

## 1. DEFINITIONS

In this Contract:

1.1 the following terms shall have the following meanings unless the context otherwise requires:

"Bespoke Products"	any products supplied or to be supplied by Supplier to Customer, in accordance with a Customer's specific instructions and/or specification pursuant to this Contract, as more particularly identified in the Quotation;
"Brochure"	Supplier's then current trade brochure at the time of Supplier's receipt of the Order;
"Business Day"	any day other than (a) a Saturday, (b) a Sunday, or (c) a day which is a bank holiday in England (as set out on <a href="http://www.gov.uk/bank-holidays">www.gov.uk/bank-holidays</a> for bank holidays in England);
this "Contract"	these Terms and Conditions and any relevant terms of any applicable Long Term Agreement, together with: (a) the relevant Order Acknowledgement (if any); or (b) (if no Order Acknowledgement) the terms of the relevant Order (except to the extent that the terms of the Order deviate from the Quotation (if any) or from the Long Term Agreement (if any), and also except to the extent not agreed by Supplier);
"Customer"	the customer of Supplier whose details are more particularly set out in the application form for its trade account with Supplier and who places an order for product(s) with Supplier;
"Deliverables"	the deliverables ancillary to the supply of the Services;
"Event of Force Majeure"	has the meaning given to it in Clause 14.1;
"Fee"	the fee payable by Customer to Supplier for the supply by Supplier of the Products, as stipulated in this Contract or Long Term Agreement (or if no such fee is agreed in writing or specified by Supplier, then this shall be the fee listed in Supplier's published price list current at the date of the Order);
"Good Industry Practice"	in relation to any undertaking and any circumstances, the exercise of that degree of professionalism, skill, diligence, prudence and foresight which would reasonably and ordinarily be expected from a skilled and experienced person or company engaged in the same type of activity under the same or similar circumstances;
"Intellectual Property Rights"	copyright and related rights, trade marks and service marks, trade names and domain names, rights under licences, rights in get-up, rights to goodwill or to sue for passing off or unfair competition, patents, rights to inventions, rights in designs, rights in computer software, database rights, rights in confidential information (including know-how and trade secrets) and any other intellectual property rights, in each case whether registered or unregistered and including all applications (or rights to apply) for, and renewals or extensions of, such rights and all similar or equivalent rights or forms of protection which subsist or will subsist now or in the future in any part of the world;
"Liability"	has the meaning given to it in Clause 9.7.1;
"Long Term Agreement"	any written agreement between the Parties, governing the long-term relationship concerning the supply of Products or Services by Supplier to Customer;
"Negligence"	has the meaning given to it in Clause 9.7.2;
"Order"	the written request by Customer to Supplier for the provision of particular Products for a particular order, which may be in accordance with the terms of a particular Quotation or the Long Term Agreement;
"Order Acknowledgement"	the written document or written communication (if any) which Supplier despatches to Customer (in response to Supplier's receipt of an Order), which may contain (together with any applicable Long Term Agreement) the particular details of any provision of particular Products for a particular order or enquiry and which may reflect the commercial terms of the Quotation or Long Term Agreement;
"Party"	either Supplier or Customer;
"Payment"	has the meaning given to it in Clause 4.1;
"Products"	any products supplied or to be supplied by Supplier to Customer pursuant to this Contract, as more particularly identified in this Contract and described in the Brochure or on the Website, or which are Bespoke Products;
"Quotation"	the written quotation (if any) from Supplier to Customer or Customer's direct or indirect customer detailing the Services to be provided, if applicable, and the number and quantity and type of Products that Supplier is willing in principle to supply to Customer or Customer's direct or indirect customer for a particular order;
"Services"	any services to be provided by the Supplier to the Customer, as agreed and set out in a Quotation, an Order Acknowledgement or a Long Term Agreement;
"Supplier"	means: either Aurora Lighting UK Limited (registered in England and Wales with company number 14279450) or Phos Lighting Limited (registered in Ireland with company number 463481), as further described in clause 17.1 and as set out in a Long Term Agreement, if applicable;
"VAT"	any tax introduced pursuant to a direction of the Council of the European Community relating to turnover taxes including value added tax as provided for in the Value Added Tax Act 1994 and supplemental legislation (whether delegated or otherwise), any tax of a similar nature which may be substituted for or levied in addition to it and any sales tax;
"Website"	Supplier's website located at <a href="http://www.auroralighting.com">www.auroralighting.com</a> ; and
"WEEE Regulation"	has the meaning given to it in Clause 11.1.

1.2 references to "Clauses" are to clauses of these Terms and Conditions;

1.3 the headings to Clauses are inserted for convenience only and shall not affect the interpretation or construction of this Contract;

1.4 words imparting the singular shall include the plural and vice versa. Words imparting a gender shall include the other gender and the neutral and references to persons shall include an individual, company, corporation, firm or partnership;

1.5 references to "includes" or "including" or like words or expressions shall mean without limitation;

1.6 references to any statute or statutory provision shall include any subordinate legislation made under it, any provision which it has modified or re-enacted (whether with or without modification) and any provision which subsequently supersedes it or re-enacts it (whether with or without modification); and

1.7 references to "written" or in "writing" (except in respect of sending a notice in accordance with Clause 15) includes in electronic form.

## 2. CONTRACT

- 2.1 The terms of this Contract apply to the exclusion of any terms and conditions submitted, proposed or stipulated by Customer. These Terms and Conditions apply to Supplier's supply of all Products and/or Services to Customer. The giving by Customer of any delivery instruction or the acceptance by Customer of delivery or collection of the Products shall constitute unqualified acceptance by Customer of these Terms and Conditions.
- 2.2 Save as expressly provided herein, this Contract (together with any documents referred to in it) shall operate to the entire exclusion of any other agreement, understanding or arrangement of any kind between the Parties hereto preceding the date of this Contract and in any way relating to the subject matter of this Contract and to the exclusion of any representations, statements, promises or warranties not expressly stated herein except for any fraudulent misrepresentations or any misrepresentation as to a fundamental matter. Each Party acknowledges that it has not entered into this Contract based on any representation, statement, promise or warranty that is not expressly incorporated into this Contract.
- 2.3 This Contract (together with any documents referred to in it) constitutes the whole agreement and understanding of the Parties as to the subject matter hereof and there are no provisions, terms, conditions or obligations, whether oral or written, express or implied, other than those contained or referred to herein.
- 2.4 Subject to Clause 2.2, all materials and other particulars furnished by Supplier prior to the Quotation or Order Acknowledgement or Long Term Agreement or in Supplier's sales or marketing materials or other documents (including its catalogues, trade literature, quotations, price lists or website) or made orally or by demonstrations or sample by Supplier are given for general information and indicative purposes only and Customer acknowledges that it is not entering into this Contract in reliance upon any such materials or other particular (except to the extent that such materials or particulars form part of this Contract); the delivered Products may also look different to their representation in any such materials or particulars.
- 2.5 Some of the Products may have variations of colour, shading, size and finish. Depending on the nature of the Products supplied, a degree of variation is acceptable due to changes in production processes. These are not faults. In any event, Customer is responsible for checking the satisfactory degree of variation and satisfactory nature of the Products (including any damage) before any of the Products are installed or fixed by any person or supplied to Customer's direct or indirect customer or installer (and Customer is responsible for procuring that all subsequent customers do the same) and if Customer is not satisfied with the colour, shading, size or finish, Customer must inform Supplier in writing before proceeding with installation or fixing or supply. To the extent permitted by law, Supplier will not be responsible or have any Liability for any losses incurred if Customer does not adhere to this. In addition, to ensure that money is not wasted, Customer agrees (if applicable) not to book installation or fixing or subsequent supply until Customer is satisfied that the Products have been delivered in full to the standard required by this Contract.
- 2.6 Except as expressly provided otherwise in this Contract, no change to this Contract shall be binding unless it is agreed in writing by each of Supplier and Customer and in any format described as being required in the Quotation or Long Term Agreement.
- 2.7 In the event of any conflict between the provisions of these Terms and Conditions and the provisions of the rest of this Contract or any Long Term Agreement, then the following order of precedence shall apply:
- 2.7.1 the Long Term Agreement prevails over an Order, Order Acknowledgement and these Terms and Conditions; and
- 2.7.2 any Order Acknowledgement prevails over these Terms and Conditions and any Order; and
- 2.7.3 these Terms and Conditions prevail over the Order.
- 2.8 The Order shall contain:
- 2.8.1 a reference to the Product already described by Supplier (in the Brochure, on the Website or Quotation or Long Term Agreement);
- 2.8.2 the quantity of that Product ordered with Supplier;
- 2.8.3 the identity of Customer;
- 2.8.4 a requested delivery point; and
- 2.8.5 the Fee for that Product ordered to reflect the price already given by Supplier in the relevant Quotation or Long Term Agreement or otherwise agreed in writing by Supplier.
- 2.9 Customer shall ensure that the Order is on the same terms as any Quotation and Long Term Agreement and is made in accordance with the terms of the Quotation or Long Term Agreement (except to the extent that Supplier has agreed in writing to the contrary). If the Parties agree that Supplier will proceed to provide the Products, then such provision shall be only on the understanding that any differences in the Order from the Quotation, Order Acknowledgement or Long Term Agreement shall have no effect unless the Parties expressly agree otherwise in writing.
- 2.10 This Contract shall be legally formed and the Parties shall be legally bound on the earlier of:
- 2.10.1 Supplier despatching its Order Acknowledgement to Customer

confirming the terms on which the Parties have agreed to proceed; or

- 2.10.2 Supplier delivering some or all of the Products agreed in the Order or (if earlier) Supplier informing Customer that those Products are ready for collection. Notwithstanding any timeframe stipulated in any relevant Quotation for Customer to respond to or accept it through an Order, the Contract shall only be formed and accepted in accordance with Clauses 2.10.1 or 2.10.2. Each of the Parties may decline to enter into this Contract for any reason until this Contract is formed.
- 2.11 It is Customer's responsibility to ensure that the Quotation, Order and Order Acknowledgement are complete and accurate and to point out to Supplier in writing anything which is incomplete or inaccurate.
- 2.12 Each Order constitutes a separate contract. There may be more than one contract between the Parties in force at the same time as this Contract.

## 3. DELIVERY AND RISK

- 3.1 In consideration for the payment of the Fee and any other sums due by Customer, Supplier shall supply the Products referred to in the Order Acknowledgement to Customer.
- 3.2 Supplier shall use its reasonable endeavours to perform its obligations under this Contract within any timescales set out in this Contract, but Supplier shall not have any Liability for any delays or failure to accurately perform its obligations:
- 3.2.1 if it has used those endeavours; or
- 3.2.2 if caused by any failure or delay on the part of Customer or Customer's agents, staff, officers, employees and contractors or customers or by any breach by Customer of this Contract or any other contract between the Parties. Any timeframe for delivery in a previous contract shall be no indication of the timeframe for delivery in this Contract.
- 3.3 Partial delivery or performance shall be permitted. Supplier may deliver and provide the Products in instalments. Unless the Parties otherwise agree in writing, Supplier may invoice Customer for Products covered by the Order in accordance with Clause 10.3, notwithstanding that Supplier has not yet delivered to Customer all Products covered by an Order.
- 3.4 Delay, default or non-delivery of any instalment by Supplier shall not entitle Customer to cancel or terminate, and shall not affect, the remainder of this Contract.
- 3.5 Unless otherwise agreed in writing between the Parties, this Contract is for delivery of the Products ex works (Incoterms 2010) at the place stipulated as such in this Contract (or if no place stipulated, then Supplier's normal location for despatch of the Products in the UK). If there is any conflict between the provisions of Incoterms 2010 and this Contract, this Contract shall prevail. Sections 32 (2) and (3) of the Sale of Goods Act 1979 shall not apply to this Contract.
- 3.6 Notwithstanding the place of delivery (including the risk and responsibility allocation in accordance with the ex works provisions of Incoterms 2010), Supplier reserves the right to despatch the Products to a carrier selected by Supplier and arrange and pay for the carriage to Customer's (or its direct or indirect customer's) premises (as Customer's agent) subject to satisfaction of a minimum Order value specified to Customer by Supplier from time to time. Where the Parties have not agreed that delivery shall take place at Customer's (or its direct or indirect customer's) premises, Supplier may invoice Customer for its carriage and insurance costs at the same time as invoicing for the Products.
- 3.7 Supplier shall inform Customer of the estimated date on which the Products will be ready for delivery or collection.
- 3.8 Customer shall ensure that it is ready for safe receipt (or, as the case may be, collection) of the Products at all reasonable times without undue delay.
- 3.9 Where Supplier delivers the Products to Customer's (or its direct or indirect customer's) premises, Supplier shall deliver to the nearest entrance to the delivery address and at ground floor level only. It is Customer's responsibility to get the Products from that point to any other part of the delivery address. Some Products are large and it may be difficult or impossible without modifications to the premises to get them up small or sharp turning staircases or through small doorways. It is Customer's responsibility to satisfy itself that access is sufficient for the size of the Products purchased and for the premises to be modified if necessary. Customer shall provide or procure the provision of the delivery vehicle with reasonable access to park and deliver, or give Supplier sufficient notice for reasonable arrangements for making deliveries. Supplier may contact Customer with an estimated time for actual delivery, but Supplier is unable to give an exact time.
- 3.10 Customer may be required to sign a delivery note and other documentation upon delivery of the Products. The signing of any such documentation by Customer shall be evidence that the Products have been delivered and in the quantities stipulated in the documentation. Customer shall inspect the Products and packaging for any obvious damage (including the sound of broken material) and make a note of any obvious damage when signing, and in any event report any obvious damage present on delivery to Supplier in accordance with Clause 6.4.
- 3.11 All risk in the Products shall pass to Customer upon delivery, provided that where delivery is delayed due to Customer's request or breach by Customer of its obligations under this Contract, risk shall pass at the date

when delivery would have occurred but for that request or breach.

- 3.12 Customer shall keep the Products fully insured on Supplier's behalf with a reputable insurance company to the reasonable satisfaction of Supplier for their full price against all risks of loss or damage from the time when the risk passes to Customer until property passes in accordance with Clause 4. On request, Customer shall produce the policy of insurance to Supplier. If the Products are lost, damaged or destroyed, Customer shall hold the proceeds of insurance for and to the order of Supplier pending Payment.
- 3.13 If delivery of the Products is delayed or obstructed through Customer's default or breach of this Contract or if Customer declines or delays in accepting or taking delivery or receipt of the Products, then (subject to Clause 9) Supplier shall not have any Liability as a result and Supplier may (without prejudice to any other right or remedy available to it) do all or any of the following:
- 3.13.1 charge a re-delivery fee;
  - 3.13.2 charge a reasonable storage fee for the Products;
  - 3.13.3 sell the Products for Supplier's account;
  - 3.13.4 cancel this Contract as regards any Products that remain to be delivered or performed; and
  - 3.13.5 require Customer to indemnify Supplier for any and all losses, liabilities, claims, proceedings, judgments, damages, demands, actions, costs, charges, expenses, penalties and fines suffered or incurred by Supplier as a result of Customer declining or delaying.
- 3.14 Where delivery is not to the United Kingdom, Customer shall be responsible for complying with all applicable laws, regulations and codes of practice governing the importation, installation and use of the Products into the country of destination and for payment of any import and/or export duties or levies thereon.

#### 4. TITLE

- 4.1 Notwithstanding delivery, title to and ownership of the Products shall not pass to Customer until Supplier has received in full (in cash or cleared funds) all sums due to it in respect of:
- 4.1.1 the Products; and
  - 4.1.2 all other sums which are or which become due to Supplier from Customer on any account;

#### ("Payment").

- 4.2 Until Payment, Customer shall:
- 4.2.1 hold the Products on a fiduciary basis as Supplier's bailee;
  - 4.2.2 hold the Products in good, saleable condition;
  - 4.2.3 keep an up-to-date list of the location of Supplier's property and present this to Supplier upon request;
  - 4.2.4 ensure that the Products are clearly identifiable as belonging to the Supplier;
  - 4.2.5 store the Products separately from other goods or in any way so that they remain readily identifiable as Supplier's property; and
  - 4.2.6 not destroy, deface or obscure any identifying mark or packaging on or relating to the Products.
- 4.3 Customer may resell the Products before Payment solely on the following conditions:
- 4.3.1 any sale shall be effected in the ordinary course of Customer's business at full market value;
  - 4.3.2 any such sale shall be a sale of Supplier's property on Customer's own behalf and Customer shall deal as principal when making such a sale;
  - 4.3.3 Customer shall keep the proceeds of sale separate from any money or property of Customer or third parties; and
  - 4.3.4 Customer shall still be responsible for paying the full value of the Payment. If Supplier requires, Customer shall authorise and direct such third party buyer to pay to Supplier a like part of the sum due to Customer in respect of the Products sold and assign to Supplier such part of the debt owed to Customer by the third party.
- 4.4 If the Products are attached to or incorporated into or mixed with any other materials or goods or substances or used in any manufacturing process, the property in the new material or good or substance shall vest until Payment in Supplier in the proportion of the value of the Products to the other constituent elements.
- 4.5 Supplier may at any time until title passes under this Clause 4 without notice recover possession of the Products which are the property of Supplier. Supplier may also require Customer at Customer's cost, within three days of Supplier's request, to deliver up to Supplier or make available to Supplier for collection from a single accessible collection point as Supplier requires all Products which are the property of Supplier. Customer hereby grants, or procures the grant, to Supplier for Supplier and its agents, staff, officers, employees and contractors an irrevocable licence to enter for that purpose any premises then occupied by or in the ownership or possession of Customer or Customer's direct or indirect customer. Customer shall indemnify Supplier against all claims, losses, damages, liabilities, costs and expenses so arising in exercising its rights under this Clause 4.5.

4.6 Supplier shall be entitled to recover payment for the Products notwithstanding that ownership of any of the Products has not passed from Supplier.

4.7 On termination or expiry of this Contract, howsoever arising, Supplier's rights contained in this Clause 4 shall remain in effect. 5. CUSTOMER REQUIREMENTS AND BESPOKE

#### PRODUCTS

- 5.1 Customer agrees that, as between it and Supplier, Customer shall be responsible for ensuring that:
- 5.1.1 the Order and this Contract contains full and accurate information regarding the Products ordered and all price, payment and delivery information. This includes checking that the ordered Products have the correct Product code (if any) and description;
  - 5.1.2 the kind and type and class of Products meet its and its (direct and indirect) customers' requirements and purposes and are suitable for all anticipated uses. Customer shall not rely on Supplier's skill and judgement in selecting or suggesting particular types or quantities of Products and Customer shall make its own selection based on its skill and judgement and calculations;
  - 5.1.3 a site survey has been undertaken to ensure the suitability of the Products and the quantities for the place of their intended installation; and
  - 5.1.4 prior to installation, it or its (direct or indirect) customer has checked carefully that the Products are what was ordered and there was no obvious defect with the Products.
- 5.2 Customer shall obtain its own installers to install the Products.
- 5.3 Customer shall permit Supplier to make any changes to Customer's specification for a Bespoke Product (as set out in the Quotation) which Supplier reasonably requires in order for the Bespoke Product to comply with any applicable laws, regulations and/or industry standards, including in relation to safety and quality requirements.
- 5.4 Supplier shall promptly inform Customer in writing of any suggested changes to a Bespoke Product pursuant to Clause 5.3 in advance of any changes being implemented by Supplier. On receipt of such information from Supplier, Customer shall promptly either provide:
- 5.4.1 Supplier with a new written specification which resolves the issues identified by Supplier under the original specification; or
  - 5.4.2 consent to Supplier proceeding with its recommended changes to the original specification.
- 5.5 Customer shall indemnify and keep fully indemnified Supplier against any and all liabilities, losses, penalties, damages, charges, demands, actions, proceedings, judgments, costs and expenses which Supplier may incur or suffer as a result of any claim brought against Supplier by a third party alleging infringement of its Intellectual Property Rights as a result of the use of Customer's instructions and/or specification in relation to the manufacture and/or supply of a Bespoke Product.

#### 6. WARRANTY - PRODUCTS

- 6.1 Subject to the rest of this Clause 6, Supplier warrants that:
- 6.1.1 as at delivery, for the limited warranty periods as specified in the Brochure, the Products (excluding the Bespoke Products) shall be free from material defects in design, workmanship and materials and conform to the specification for the Products in the Brochure (a "defect" being a defect in material or workmanship which causes the Product to fail to operate in accordance with the specifications provided by Supplier);
  - 6.1.2 subject to Clause 6.2, as at delivery, for a period of one year from the date of delivery, the Bespoke Products shall be free from material defects in workmanship and materials and conform to the written specification for the Bespoke Products agreed with Customer as set out in the Quotation or as amended pursuant to Clause 5.4; and
  - 6.1.3 it shall deliver the Products undamaged and in the quantities agreed in this Contract.
  - 6.1.4 as at delivery, Batteries contained within emergency Product variants and stand-alone emergency products have a warranty period of 3 years.
- 6.2 Supplier does not provide any warranty related to any defect arising from designs, instructions or specifications supplied by Customer to Supplier.
- 6.3 Supplier is not responsible under this Contract for any services or products unless expressly stipulated in this Contract that Supplier will provide them. Except for any matter upon which Supplier specifically agrees in writing with Customer to advise or do, Supplier shall not have any Liability for advising on, or failing to advise on, or doing, or failing to do, anything else (including on any laws, rules, regulations, bye-laws or codes of practice).
- 6.4 Customer shall check the Products for obvious damage on delivery. Supplier shall at its option replace, repair or provide a refund for Products that are lost or damaged in transit to the place of delivery. Supplier shall not have any Liability for loss of or damage to Products in transit or on delivery to the point of delivery unless:
- 6.4.1 Customer informs both Supplier and the carrier in writing within two

Business Days:

- (a) after the expected date of delivery or receipt that it has not received the correct Products at all or in full; or
  - (b) after receipt that the Products have any damage as would be obvious from such inspection as Supplier would reasonably expect; and
- 6.4.2 Customer provides Supplier with Supplier's delivery note number and such other information and documentation as Supplier reasonably requires at that same time.
- 6.5 Subject to Clauses 6.8 and 6.17, Supplier shall at its option:
- 6.5.1 replace or repair or re-perform; or
  - 6.5.2 repay an appropriate portion of the purchase price of; or
  - 6.5.3 provide a credit note in respect of a reasonable part of; the delivered Products which are not in conformance with the warranty set out in Clause 6.1.
- 6.6 Supplier reserves the right to replace a Product with a Product which has minor deviations in design and/or specification which do not affect the functionality of the original Product.
- 6.7 Supplier shall not have any Liability for providing Products to the extent caused by Supplier's compliance with and reliance on Customer's specifications, instructions or requirements.
- 6.8 Supplier's Liability for defective or damaged Products is subject to:
- 6.8.1 Customer informing Supplier in writing of any claim promptly upon discovery of the defect or damage and in any event within 15 days of discovery, specifying with reasonable detail the way in which it is alleged that the Products are not in conformance with the warranty set out in clause 6.1;
  - 6.8.2 Customer having provided Supplier with Supplier's delivery note number and such other information and documentation as Supplier reasonably requires at the same time as the information in Clause 6.8.1;
  - 6.8.3 Customer showing to Supplier's reasonable satisfaction that the defect or damage is solely attributable to Supplier's (or Supplier's subcontractors') defective design, materials or workmanship in the Products and not: (a) wear or tear from normal use; or (b) any installation by anyone after delivery; or (c) the combination, incompatibility, attachment, affixation, incorporation or mixing of the Products with any other goods, products, materials or substances;
  - 6.8.4 the Products having not been: (a) misused or subjected to neglect, improper or inadequate care or carelessness (including being dropped or knocked); or (b) involved in any accident or attempt at repair, replacement, alteration, change or modification except by or on behalf of Supplier or as approved by Supplier or in accordance with Supplier's instructions; or (c) dealt with or installed or used or stored contrary to good trade practice or any oral or written instructions, advice or recommendation of Supplier (including in the Brochure or any installation instructions provided on or before delivery), d) excessive use max 4000 burning hours / year;
  - 6.8.5 Customer having paid for the Products in full;
  - 6.8.6 Customer providing Supplier with proof of purchase of the Product;
  - 6.8.7 Customer permitting Supplier unrestricted access to Customer's records relating to the operating history of the Product, including:
    - (a) name/type number of the Product;
    - (b) details of any alleged defect, including the number and percentage of alleged failures, date(s) of the alleged failures and code of failure (if applicable);
    - (c) invoice date for the Product;
    - (d) installation details for the Product (if any), including date of installation; and
    - (e) details of application, location, actual burning hours and number of switching cycles;
  - 6.8.8 Customer holding the allegedly defective Products safely and securely in good condition;
  - 6.8.9 if required by Supplier, Customer returning the allegedly defective Product to Supplier for analysis; and
  - 6.8.10 if required by Supplier, Customer allowing and procuring for Supplier (or Supplier's representatives) the opportunity to have access to and inspect the Products, including where the alleged defect is discovered once the Product has been installed by Customer (or its contractor), in the location in which it is installed.
- 6.9 The warranty contained in this Clause 6 is specifically limited to Customer. No warranty is made to any other person, whether subsequent buyer or user or customer, or to any bailee, licensee, assignee, employee, agent or otherwise.
- 6.10 If Customer makes an invalid claim under the warranty contained in this Clause 6, Supplier may charge Customer a handling fee, as well as its fees and costs of examining, storing, repairing and replacing the Products and dealing with the claim and removing and delivering the Products.
- 6.11 Where the Products are supplied with a guarantee from the original manufacturer (if the Products are not manufactured by Supplier), Supplier will (where relevant and where possible) if reasonably required by Customer, assign or transfer its own rights under that guarantee to Customer or its customers.
- 6.12 To the extent that Customer or its (direct or indirect) customers have a guarantee from the manufacturer of the Products, Customer shall (and shall procure that its direct or indirect customers shall) fully exhaust all their rights and remedies under that guarantee before any claim is made against Supplier under this Clause 6, and if that guarantee is reasonable Customer shall have no greater or longer claim or right or remedy under this Clause 6 against Supplier than is offered under that guarantee by the manufacturer.
- 6.13 Except where expressly provided for within this Contract, Supplier excludes all conditions, warranties, terms and obligations, whether express or implied by statute, common law or otherwise, to the fullest extent permitted by law in respect of the Products.
- 6.14 Customer shall comply with any Supplier instruction leaflet for the Product including the details setting out the correct method for installation of the Product. Supplier shall have no Liability for any losses and/or claims arising from any installation of the Products unless as a direct result of installation conducted in accordance with its own instructions.
- 6.15 Subject to Clause 9.2, Customer shall not be entitled to any form of financial recovery or compensation, and Supplier shall have no Liability in respect of, any deinstallation, installation, demounting, mounting, removal and/or replacement of Products, structures or other parts of Customer's or its customers' facility, including decontamination, and re-installation in relation to a defective Product. Customer will be responsible and shall bear the costs for these activities, including costs of access for remedial warranty efforts by Supplier.
- 6.16 Unless otherwise agreed by Supplier and Customer in writing, the obligations under the warranty in Clause 6.1.1 by Supplier only apply to the Products in the current Brochure. Supplier does not provide any warranty for any other products, including third party products and products not marked with Supplier trade marks or with other trademarks owned by Supplier.
- 6.17 Supplier shall have no obligations under the warranty in this Clause 6 if the alleged defect is found to have occurred as a result of any of the following:
- 6.17.1 an Event of Force Majeure;
  - 6.17.2 electrical supply conditions, including supply spikes, overvoltage/ under-voltage and ripple current control systems that are beyond the specified limits of the Products and those set or defined by relevant supply standards for the Product;
  - 6.17.3 improper wiring, installation, change of settings or maintenance of Products or any other electrical components such as drivers not performed by (or for) Supplier;
  - 6.17.4 failure to adhere to installation, operating (such as specific tolerance on flux and system power), application, maintenance, or environmental instructions or guidelines prescribed by Supplier or any other document accompanying the Products, or applicable safety, industry and/or electrical standards or codes;
  - 6.17.5 failure to use the Products for the purposes for which they have been designed; or
  - 6.17.6 not taking into account the applicable instructions concerning potential pollution or cleaning of LED Products.

## 7. WARRANTY – SERVICES

- 7.1 The Supplier warrants that:
- 7.1.1 the Services shall be performed in accordance with Good Industry Practice;
  - 7.1.2 the Services performed and the Deliverables supplied shall be free from material defects once completed.
- 7.2 Subject to the provisions of this clause 7, the Supplier shall, at its option, remedy or re-perform any Services or Deliverables that do not comply with clause 7.1, provided that the Customer serves a written notice on the Supplier that some or all of the Services or the Deliverables (as the case may be) do not comply with clause 7.1, and identifying in sufficient detail the nature and extent of the defects within 15 days of performance of the Services or delivery of the Deliverables, as applicable, by the Supplier.

- 7.3 The Supplier shall not be liable for any failure of the Services or the Deliverables to comply with the provisions of clause 7.1 where the same arises directly or indirectly and whether in whole or in part as a result of:
- 7.3.1 a breach by the Customer of any of its obligations under this Contract;
- 7.3.2 an Event of Force Majeure; or
- 7.3.3 any design, specification or requirement of the Customer.
- 7.4 Except where expressly provided for within this Contract, Supplier excludes all conditions, warranties, terms and obligations, whether express or implied by statute, common law or otherwise, to the fullest extent permitted by law in respect of the Services.
- 7.5 The provisions of clause 7.2 are the Customer's sole and exclusive remedies (howsoever arising, whether in contract, tort, negligence or otherwise) for any breach of clause 7.1 or for any other error or defect in the Deliverables or defective performance of the Services.

## 8. RE-STOCKING

- 8.1 This Clause 8 applies in respect of Products which have been delivered in accordance with this Contract but where Customer would like them to be returned to Supplier.
- 8.2 Notwithstanding anything to the contrary in this Contract or any documentation supplied by the Supplier to the Customer, at Supplier's absolute discretion and subject to any conditions that Supplier stipulates, Supplier may provide its written authorisation to Customer's return of the Products or the cancellation of this Contract (or part of it) after delivery by Supplier. No agreement to return any Products or cancel any Order is effective unless provided in writing by a person authorised to do so on behalf of the Supplier. Conditions for the return of the Products or cancellation of this Contract can include, without limitation:
- 8.2.1 the Customer paying Supplier a return or cancellation fee of 20% of the Fee or the Supplier's minimum charge of £50 (the "Minimum Returns Charge"), whichever is higher. The Minimum Returns Charge is subject to change by the Supplier from time to time; or
- 8.2.2 the Customer placing an Order for Products with a value of at least double the value of the relevant Products in the cancelled Order or which are being returned.
- 8.3 Customer shall not be entitled to cancel an Order or a Contract or return any Products under this Clause 8 if:
- 8.3.1 written authorisation in accordance with Clause 8.2 has not been provided by Supplier;
- 8.3.2 the Products have been damaged, modified or in any way changed or altered after Supplier delivered them; or
- 8.3.3 instalment has commenced in respect of them; or
- 8.3.4 at the time of the requested cancellation or return, the relevant Product is not included in the then current edition of the Brochure and at least 6 months has elapsed since the most recent edition of the Brochure was issued; or
- 8.3.5 the Products have been ordered or made specifically to Customer's specification, order or requirements, including Bespoke Products; or
- 8.3.6 the boxes or packaging containing the Products are damaged or do not contain the same number and type of Products that were originally provided by the Supplier in such boxes or packaging; or
- 8.3.7 the Products are in a form that makes it difficult to re-sell them without Supplier incurring cost.
- 8.4 If Supplier agrees to part or full cancellation or returns of Products, Customer shall re-deliver the Products at its own cost or make them available for collection in accordance with the timeframes and manner and packing (including the original packaging, where specified) that Supplier reasonably requires (including for delivery of large or heavy items to Supplier's main warehouse). Supplier shall charge a transport fee for collecting the cancelled Products from Customer or Customer's (direct or indirect) customers.

## 9. LIABILITY

- 9.1 This Clause 9 prevails over all other Clauses and sets forth the entire Liability of Supplier, and the sole and exclusive remedies of Customer, in respect of:
- 9.1.1 performance, non-performance, purported performance, delay in performance or mis-performance of this Contract or of any goods or services in connection with this Contract; or
- 9.1.2 otherwise in relation to this Contract or entering into this Contract.
- 9.2 Supplier does not exclude or limit its Liability for:
- 9.2.1 its fraud; or
- 9.2.2 death or personal injury caused by its Negligence; or
- 9.2.3 any breach of the non-excludable obligations implied by law as to having title to supply goods; or
- 9.2.4 any other Liability which cannot be excluded or limited by applicable law.

9.3 Subject to Clause 9.2, Supplier does not accept and it hereby excludes any Liability for Negligence other than any Liability arising pursuant to the terms of this Contract.

9.4 Subject to the Clause 9.2, Supplier shall not have any Liability in respect of any:

- 9.4.1 indirect or consequential losses, damages, costs or expenses;
- 9.4.2 loss of actual or anticipated profits;
- 9.4.3 loss of contracts;
- 9.4.4 loss of use of money;
- 9.4.5 loss of anticipated savings;
- 9.4.6 loss of revenue;
- 9.4.7 loss of goodwill;
- 9.4.8 loss of reputation;
- 9.4.9 ex gratia payments;
- 9.4.10 loss of business;
- 9.4.11 loss of operation time;
- 9.4.12 loss of opportunity; or

9.4.13 loss of, damage to or corruption of, data (except to the extent that that Supplier specifically has a responsibility to prevent loss of, damage to or corruption of, data under this Contract);

whether or not such losses were reasonably foreseeable or Supplier or its agents or contractors had been advised of the possibility of such losses being incurred. For the avoidance of doubt, Clauses 9.4.2 to 9.4.13 apply whether such losses are direct, indirect, consequential or otherwise.

9.5 Subject to Clause 9.2, the total aggregate Liability of Supplier for all causes of action arising out of or in connection with all claims in aggregate (including warranty claims and losses relating to the breach of warranty) shall be limited to 100% of the total sums paid by Customer to Supplier under this Contract in respect of the particular Products for which there are such claims.

9.6 The limitation of Liability under Clause 9.5 has effect in relation both to any Liability expressly provided for under this Contract and to any Liability arising by reason of the invalidity or unenforceability of any term of this Contract.

9.7 In this Contract:

9.7.1 "Liability" means liability in or for breach of contract, tort (whether deliberate or not), Negligence, breach of statutory duty, misrepresentation, restitution or any other cause of action whatsoever relating to or arising under or in connection with this Contract, including liability expressly provided for under this Contract or arising by reason of the invalidity or unenforceability of any term of this Contract (and for the purposes of this definition, all references to "this Contract" shall be deemed to include any collateral contract); and

9.7.2 "Negligence" means the breach of any (i) obligation arising from the express or implied terms of a contract to take reasonable care or exercise reasonable skill in the performance of the contract or (ii) common law duty to take reasonable care or exercise reasonable skill (but not any stricter duty).

## 10. FEE

- 10.1 Customer shall pay to Supplier the Fee and other sums due under this Contract.
- 10.2 Where Supplier requires a particular part of the Fee to be paid in advance of delivery of the Products, delivery of the Products is conditional on Supplier first receiving the advanced part of the Fee and any other sums due in cleared funds in full from Customer.
- 10.3 Unless otherwise stipulated in the Quotation or Long Term Agreement or in writing between the Parties for part or all payment of the Fee to take place after delivery (in which case, Supplier may invoice on delivery (as the case may be), or making available for collection, of the Products (or part of them)), Supplier may issue the invoice to Customer for the Fee (or the relevant part) and other sums due in connection with the Fee upon issuing the Order Acknowledgement.
- 10.4 Subject to Clause 10.2, unless otherwise provided by Supplier in writing that Customer has been given any credit terms, Customer shall pay Supplier in full for any sums due under this Contract on receipt of the Order Acknowledgement. Unless otherwise agreed in writing between Supplier and Customer (including pursuant to the credit terms granted to Customer by Supplier under its trade account with Supplier), to the extent that Supplier has given Customer credit terms in writing from time to time, Customer shall pay Supplier in full for any sums due under this Contract by the end of the month following the month of the invoice date (or such other period as Supplier may stipulate in writing).
- 10.5 Supplier may stipulate in writing a total credit limit for Customer from time to time. If there are any amounts due or owing from Customer (and any other customers associated with Customer) to Supplier under any agreement between them (including under this Contract) in aggregate in

excess of the total credit limit, Supplier may withhold delivery or making available Products for collection until Customer pays such sum to Supplier so as to reduce the amounts due or owing below the credit limit.

- 10.6 Where Supplier requires for payment by letter of credit, Customer shall conform to such requirements for the letter of credit as are stipulated in this Contract and/or as stipulated in writing by Supplier to Customer. Unless Supplier specifies in writing to the contrary, the letter of credit shall be confirmed, irrevocable and without recourse, providing for payment at sight, allowing partial deliveries and collections, and issued and confirmed by first class banks to Supplier's satisfaction. The costs for the letter of credit shall be payable by Customer. If Customer fails to provide the required letter of credit, Supplier may refuse to despatch an Order on an export basis.
- 10.7 Customer is responsible for complying with any applicable government export control laws and regulations.
- 10.8 The Fee and all sums due under this Contract are exclusive of any VAT, or other sales, import and export duties or taxes (if applicable), which shall be payable in addition at the same time as payment of the Fee and other sums due.
- 10.9 Customer shall pay Supplier by any payment method reasonably stipulated by Supplier.
- 10.10 Unless otherwise stipulated in this Contract or agreed in writing between the Parties, payment shall be in the currency in force in England from time to time.
- 10.11 Payment shall be deemed made when Supplier has received cleared funds in full.
- 10.12 Payment of all sums due to Supplier under this Contract shall be made by Customer in full without any set-off, deduction or withholding whatsoever.
- 10.13 If Customer is late in paying any part of any monies due to Supplier under this Contract or any other agreement between the Parties, Supplier may (without prejudice to any other right or remedy available to it whether under this Contract or by any statute, regulation or bye-law) do any or all of the following:
  - 10.13.1 charge interest on the amount due but unpaid at the annual rate of interest set under Section 6 of the Late Payment of Commercial Debts (Interest) Act 1998 from time to time from the due date until payment (after as well as before judgment), such interest to run from day to day and to be compounded monthly; and
  - 10.13.2 recover Supplier's costs and expenses and charges (including legal and debt collection fees and costs) in collecting the late payment; and
  - 10.13.3 sell or otherwise dispose of any Products which are the subject of any Order, whether or not appropriated thereto, and apply the proceeds of sale to the overdue payment; and
  - 10.13.4 suspend the performance of this Contract and any other agreement between Supplier and Customer until payment in full has been made.

## 11. WEEE DIRECTIVE

- 11.1 The Waste Electrical and Electronic Equipment Regulations (SI 2006/3289) (the "WEEE Regulation") requires that any product showing the crossed out wheelee bin symbol must not be disposed of with other household or commercial waste to prevent possible harm to the environment or human health from uncontrolled waste disposal.
- 11.2 Under the alternative arrangement under the WEEE Regulations 9(2), Supplier does not charge its customers a "WEEE Levy" at the time of purchase. Supplier encourages its customers to separate any WEEE related Products from other waste types and recycle them responsibly through their nearest recycling centre or via their chosen waste contractor.
- 11.3 Customer may request Supplier to arrange the collection of its unwanted WEEE related Products. Supplier shall be under no obligation to agree or comply with such a request by Customer. If Supplier chooses to agree to the request, Supplier will arrange, at its sole discretion as to time and date of collection, to take back the WEEE related Products. However, as no WEEE Levy is incurred by Customer at the time of purchase, Supplier reserves the right, at the time of collection, to charge Customer a collection fee for compliance with a request pursuant to this Clause 11.3.

## 12. INTELLECTUAL PROPERTY

- 12.1 Customer and Supplier acknowledge that, as between them, Supplier and its licensors own all Intellectual Property Rights in the Products, whether or not any of the Products are created, designed or adapted at the specific request of Customer, including Bespoke Products. Customer shall not have any rights over or to use the Products other than as expressly provided under this Contract.
- 12.2 To the extent that Intellectual Property Rights in the Products may not originally vest in Supplier as contemplated under this Agreement, Customer hereby irrevocably assigns, transfers and conveys to Supplier all Intellectual Property Rights, title and interest therein. Customer shall

give Supplier all reasonable assistance and execute all documents necessary to assist or enable Supplier to perfect, preserve, register and record its rights in such Intellectual Property Rights.

## 13. TERM AND TERMINATION

- 13.1 This Contract shall commence when it becomes legally binding in accordance with Clause 2.10 and, unless terminated earlier by either Party exercising any right of termination as set out in this Contract, shall continue in force until the later of:
  - 13.1.1 Customer having paid for the Fee and all sums in full; and
  - 13.1.2 Supplier having despatched all the Products to Customer.
- 13.2 Either Party may terminate this Contract immediately by notice to the other Party if:
  - 13.2.1 the other Party is in persistent breach of any of its obligations under this Contract or any other agreement between the Parties; or
  - 13.2.2 the other Party is in material breach of any of its obligations under this Contract or any other agreement between the Parties which is incapable of remedy; or
  - 13.2.3 the other Party fails to remedy, where capable of remedy, any material breach of any of its obligations under this Contract or any other agreement between the Parties after having been required in writing to remedy such breach within a period of no less than 30 days; or
  - 13.2.4 (in any event) the other Party (being Customer) is at least 10 Business Days' late in paying any sum due under this Contract; or
  - 13.2.5 the other Party gives notice to any of its creditors that it has suspended or is about to suspend payment or if it is or shall be unable to pay its debts as they come due, or enters into any compromise or arrangement with any of its creditors (other than for the sole purpose of a scheme for a solvent amalgamation of that other Party with one or more other companies or the solvent reconstruction of that other Party), or an order is made or a resolution is passed for the winding-up of the other Party or an administration order is made or an administrator is appointed to manage the affairs, business and property of the other Party or a receiver or manager or administrative receiver is appointed in respect of all or any of the other Party's assets or undertaking or circumstances arise which entitle the court or a creditor to appoint a receiver or manager or administrative receiver or administrator or which entitle the court to make a winding-up or bankruptcy order or the other Party takes or suffers any similar or analogous action in consequence of debt in any jurisdiction; or
  - 13.2.6 the other Party (being Customer) is subject to an adverse or decline in credit rating or credit status by Customer's bank or credit status organisation or credit insurer.
- 13.3 The relevant Party may elect in its absolute discretion to suspend this Contract instead of, or prior to, terminating under Clause 13.2 if the circumstances arise as described in Clause 13.2.
- 13.4 Termination or expiry of this Contract shall be without prejudice to any accrued rights or remedies of either Party.
- 13.5 Termination or expiry of this Contract will not affect the coming into force or continuance in force of any provision which is expressly or by implication intended to come into or continue in force on or after such termination or expiry.
- 13.6 Upon termination or expiry of this Contract for any reason:
  - 13.6.1 Supplier shall cease to perform this Contract; and
  - 13.6.2 all outstanding Fees and any other sums shall become immediately payable, whether invoiced or not.

## 14. FORCE MAJEURE

- 14.1 Save for obligations in respect of payment of the Fee, neither Party shall have any Liability for any breach, hindrance or delay in the performance of this Contract attributable to any cause beyond its reasonable control including any act of God, actions or omissions of third parties not in the same group as the Party seeking to rely on this Clause (including hackers, suppliers, couriers, governments, quasi-governmental, supra-national or local authorities), insurrection, riot, civil war, civil commotion, war, hostilities, threat of war, warlike operations, armed conflict, imposition of sanctions, embargo, seizure or forfeiture, breaking off of diplomatic relations or similar actions, national emergencies, actual or threatened or suspected terrorism, nuclear, chemical or biological contamination, sonic boom, piracy, arrests, restraints or detainments of any competent authority, blockade, strikes or combinations or lock-out of workmen, unusual traffic volumes, unusual travel restrictions, epidemic, fire, explosion, storm, flood, drought, adverse weather conditions (including cold, heat, wind, rain, snow, ice or fog), loss at sea, earthquake, volcano, ash cloud, natural disaster, accident, mechanical breakdown, third party software or infrastructure or communications, cyberattack, collapse of building structures, failure of plant machinery or machinery (other than used by the relevant Party) or third party computers or third party hardware or vehicles, failure or problems with

public utility supplies (including general: electrical, telecoms, water, gas, postal, courier, communications or Internet disruption or failure), shortage of or delay in or inability to obtain supplies, stocks, storage, materials, equipment or transportation ("Event of Force Majeure"), regardless of whether the circumstances in question could have been foreseen.

- 14.2 Each Party agrees to inform the other upon becoming aware of an Event of Force Majeure, such notice to contain details of the circumstances giving rise to the Event of Force Majeure.
- 14.3 The performance of each Party's obligations shall be suspended during the period that the circumstances persist and such Party shall be granted an extension of time for performance equal to the period of the delay.
- 14.4 Each Party shall bear its own costs incurred by the Event of Force Majeure.
- 14.5 Should any performance of obligations be delayed under this Clause 14, each Party shall nevertheless accept performance as and when the other shall be able to perform.
- 14.6 If the Event of Force Majeure continues without a break for more than one month, either Party may terminate this Contract immediately by notice to the other, in which event neither Party shall have any Liability by reason of such termination.
- 14.7 If Supplier has contracted to provide identical or similar products or services to more than one customer and is prevented from fully meeting its obligations to Customer by reason of an Event of Force Majeure, Supplier may decide at its absolute discretion which contracts it will perform and to what extent.

## 15. NOTICES

- 15.1 Any notice required or authorised to be given under this Contract shall be in writing and served by personal delivery or by recorded delivery or by overnight commercially recognisable courier or by facsimile addressed to the relevant Party at its address stated in this Contract or at such other address or facsimile number as is notified by the relevant Party to the other Party for this purpose from time to time or at the address or facsimile number of the relevant Party last known to the other Party.
- 15.2 Any notice so given by recorded delivery or overnight commercially recognisable courier shall be deemed to have been served two Business Days after the same shall have been despatched and any notice so given by facsimile shall be deemed to have been served upon receipt of an answerback signal from the receiving machine, and in proving such service it shall be sufficient to prove that the letter or facsimile was properly addressed or numbered and, as the case may be, despatched or a confirmation of facsimile delivery receipt received.

## 16. ASSIGNMENT

- 16.1 Subject to any assignee (in the case of an assignment) confirming in writing to be bound by the provisions of this Contract, Supplier may assign, transfer, novate or subcontract its rights, liabilities or obligations under this Contract either in whole or in part to any other person, firm or company. Supplier shall promptly give notice to Customer of any such assignment, transfer or novation.
- 16.2 Customer shall not (and shall not purport to) assign, transfer, novate, charge or otherwise encumber, create any trust over or deal in any manner with this Contract or any of its rights, liabilities or obligations under this Contract without the prior written consent of Supplier (such consent not to be unreasonably withheld or delayed).

## 17. GENERAL

- 17.1 For the purposes of this Contract, if the Customer is receiving Products from the "Aurora UK Trade" division, Aurora Lighting UK Limited is the Supplier. If the Customer is receiving Products in the Republic of Ireland, Phos Lighting Limited is the Supplier. In relation to any Products or Services provided under this Contract, other than those described above, Aurora Lighting UK Limited is the Supplier.
- 17.2 Unless a Party expressly states in writing that it is waiving a particular power, right or remedy in a particular stated instance, no failure or delay or omission by either Party in exercising any power, right or remedy under this Contract or at law shall operate as a waiver of such power, right or remedy; and no waiver in any particular instance shall extend to or affect any other or subsequent event or impair any powers, rights or remedies in respect of it or in any way modify or diminish that Party's other powers, rights or remedies under this Contract or at law.
- 17.3 If any Clause or sub-Clause or other provision in this Contract shall become or shall be declared by any court of competent jurisdiction to be invalid or unenforceable, such invalidity or unenforceability shall in no way affect any other Clause or sub-Clause or provision or part of any Clause or sub-Clause or provision, all of which shall remain in full force and effect.
- 17.4 Nothing in this Contract shall create or be deemed to create a partnership, an agency or a relationship of employer and employee between the Parties.
- 17.5 A person who is not a Party to this Contract has no rights under the

Contracts (Rights of Third Parties) Act 1999 to enforce any term of this Contract.

- 17.6 This Contract, and any dispute or claim arising out of or in connection with it or its subject matter or its formation, shall be governed by, and construed in accordance with, the laws of England.
- 17.7 If both Parties are domiciled in the European Union or the United Kingdom, then subject to Clause 17.8, the Parties irrevocably agree that the courts of England shall have exclusive jurisdiction to settle any claim, dispute or matter of difference which may arise out of or in connection with this Agreement or its subject matter or its formation (including non-contractual disputes or claims).
- 17.8 If both Parties are domiciled in the European Union or the United Kingdom, but as a consequence of any change in national or international law, judgments of the courts of England shall not be automatically enforceable in the jurisdiction in which Customer is located, or such a change in law is planned or reasonably foreseeable, Supplier shall have the right to commence and pursue arbitration proceedings against Customer under the LCIA Rules to settle any claim, dispute or matter of difference which may arise out of or in connection with this Agreement or its formation (including non-contractual disputes or claims). The LCIA Rules are deemed to be incorporated by reference into this Clause 17.8. The number of arbitrators shall be one. The seat, or legal place, of arbitration shall be London, England. The language to be used in the arbitral proceedings shall be English.
- 17.9 If one or more of the Parties is domiciled outside of the European Union and the United Kingdom, any claim, dispute or matter of difference which may arise out of or in connection with this Agreement or its subject matter or its formation (including non-contractual disputes or claims) shall be exclusively referred to and finally resolved by arbitration under the LCIA Rules. Those Rules are deemed to be incorporated by reference into this Clause 17.9. The number of arbitrators shall be one. The seat, or legal place, of arbitration shall be London, England. The language to be used in the arbitral proceedings shall be English.
- 17.10 All dealings, correspondence and contacts between the Parties shall be made or conducted in the English language.

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