

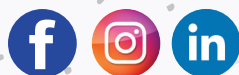
# EAGLE LIGHTING

## COMMERCIAL

# CATALOGUE VOLUME 3

**LEADERS IN LED SOLUTIONS**

[www.eaglelighting.co.za](http://www.eaglelighting.co.za)



# EAGLE LIGHTING

## LEADERS IN LED SOLUTIONS

Since 1924 Eagle Lighting has always strived to offer our customers the best selection of lighting and electrical components under one roof in our Superstores.

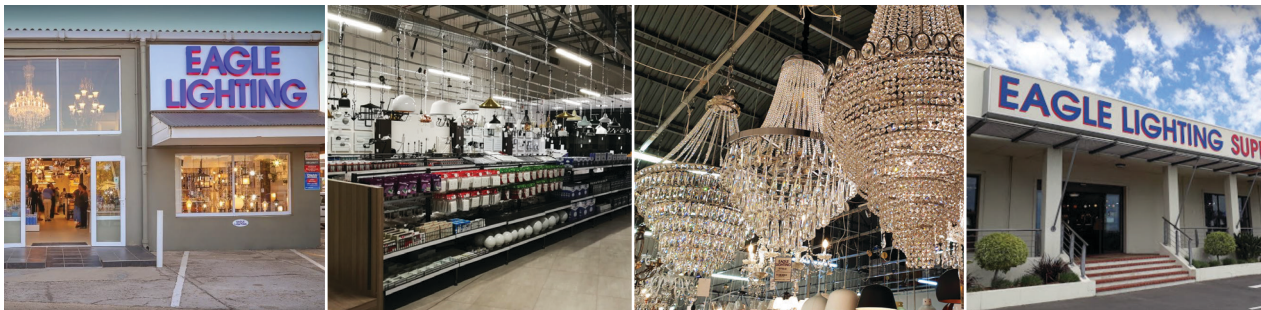
The selection available in this catalogue is a wide selection of domestic /commercial lighting from the best manufacturers and suppliers around the world. Eagle Lighting brings this wide selection to you via this new catalogue and our showrooms. As the range is vast we cannot guarantee to have all the fittings available at all times, but as a company we will do our utmost to have the majority of the fittings available for viewing and quick delivery.

Please visit our showrooms throughout the Western Cape, including our brand new showroom in Port Elizabeth to bring the magic of lighting to your home and offices . At our stores you will find knowledgeable friendly staff available to assist you. Further light fittings can be viewed on our facebook page and our website: [www.eaglelighting.co.za](http://www.eaglelighting.co.za)

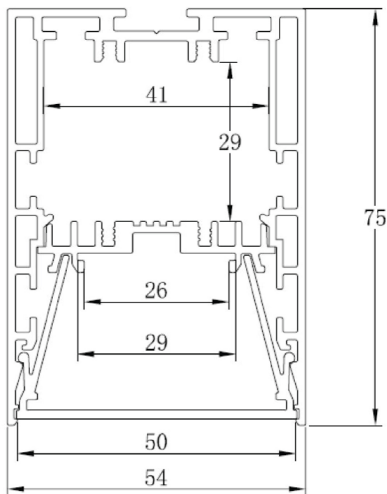
Also note we have a projects division available to assist all our clients with their project work. Please contact your nearest Superstore manager for assistance on project work or contact our Projects division at Maitland Head Office.

### ONE STOP SUPERSTORES FOR ALL YOUR LIGHTING REQUIREMENTS:

<b>Maitland:</b>	M5 Park, off Berkley Road, Maitland	TEL: (021) 511 2640
<b>Cape Town:</b>	63 Long Street, City Centre, Cape Town	TEL: (021) 424 4071
<b>Tygervalley:</b>	Willowbridge North, Tyger Valley Road	TEL: (021) 914 2488
<b>Somerset West:</b>	Somerset Decor Centre, Jigger Road. Somerset Mall	TEL: (021) 852 0807
<b>Lakeside:</b>	Cnr of Main and Putter Road.	TEL: (021) 701 5528
<b>Hermanus:</b>	13 Arum Rd, Hermanus Industrial.	TEL: (028) 313 0553
<b>George:</b>	Cnr of Knysna and Mission Road, George East	TEL: (044) 050 0177
<b>Knysna:</b>	45 Waterfront Drive, Knysna	TEL: (044) 050 0025
<b>Port Elizabeth:</b>	Shop 3/7, William Moffett Expressway, Fairview, Gqeberha	TEL: (041) 450 8632
<b>Projects Division:</b>	M5 Park, off Berkley Road. Maitland	TEL: (021) 511 2640



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### MAN516/2M

- L: 2000mm
- H: 75mm
- W: 54mm
- Black

### MAN516/2M

- L: 2000mm
- H: 75mm
- W: 54mm
- White

### MAN516/4M

- L: 4000mm
- H: 75mm
- W: 54mm
- Black

### LED SOURCE

- 25W p/m
- 3550 Lumen p/m
- 4000K
- CRI: 80
- 24V DC

### DRIVER

- 5 Year Warranty
- Flicker Free
- Power Factor: >0.95
- 60W
- Non-Dim

- Black Aluminium Profile comes fitted with LED
- Polycarbonate Cover or Anti Glare Louvre
- Driver Required : TRI/ 157 Tridonic- 60W Non-Dim 24V
- Slimline driver fits into the upper compartment in profile

### Other Components:

- MAN517/ 2M – Suspension sets
- MAN516/ DIFF - Spare Diffusers
- MAN006 – 5core black cable 1.8mm, to be used with Dali dim driver
- MAN518/ 04 90 Corners
- MAN518/ 25 90 Corners

### Optional Extra:

- Grating light source module - DC24V, 8W/ PCS, W: 28mm, L: 300mm, Angle: 48°
- Grating - Fireproof PC
- MAN545/ Dali Driver - 65W Dali dimmable driver

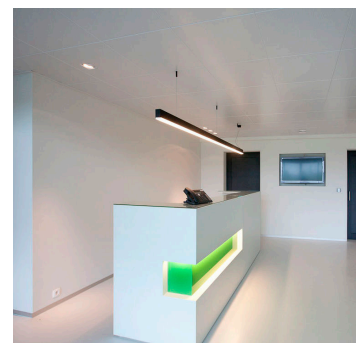
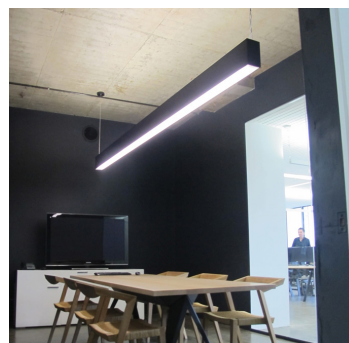
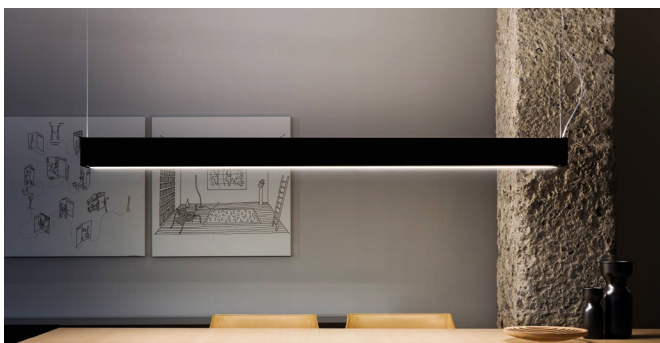
2m extrusion requires 1 x driver per suspended section  
 4m extrusion will require 2 x drivers per suspended section



Grating



Grating Light Module





### MAN500

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 31,6mm

Length: 2000mm

Installation: Office, Boardroom, Supermarket, home etc.

Width: 35,2mm (56,2mm with Lip)

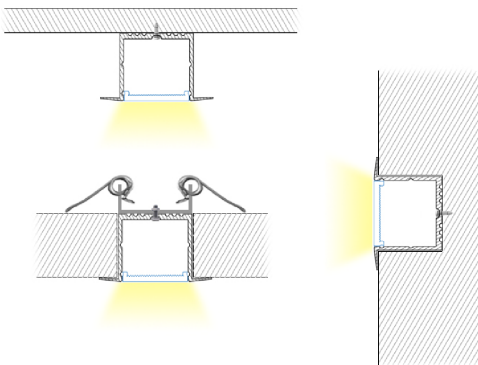
Height: 34,9mm

Please note: Dimensions are approximate and may vary slightly at time of manufacturing.

**Variety of LED tape light available. Please ask a consultant for further information.**



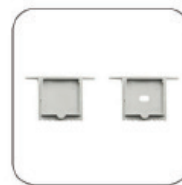
### Installations:



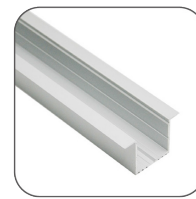
### Accessories:



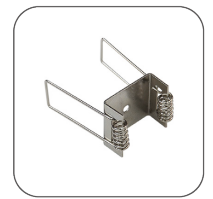
Cover



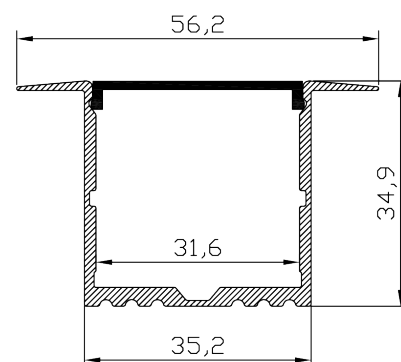
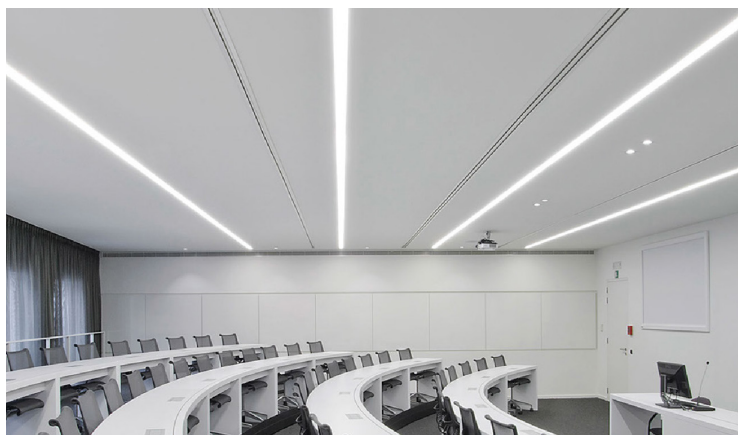
End Cap



Aluminum Profile



Mounting Clip (metal)





### MAN505

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 11.7mm

Length: 2000mm

Installation: Office, Boardroom, Supermarket, home etc.

Width: 17,1mm (23,1mm with Lip)

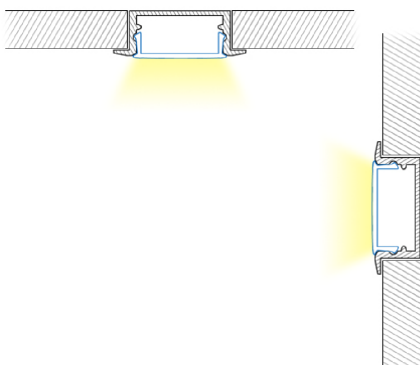
Height: 8,8mm

Please note: Dimensions are approximate and may vary slightly at time of manufacturing.

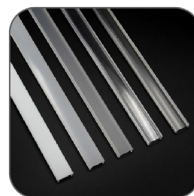
**Variety of LED tape light available. Please ask a consultant for further information.**



### Installations:



### Accessories:



Cover



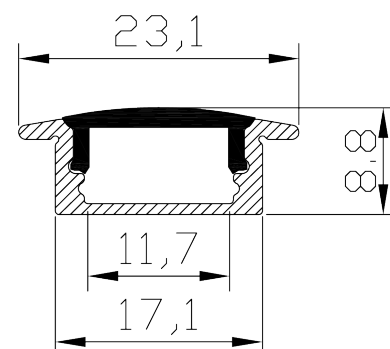
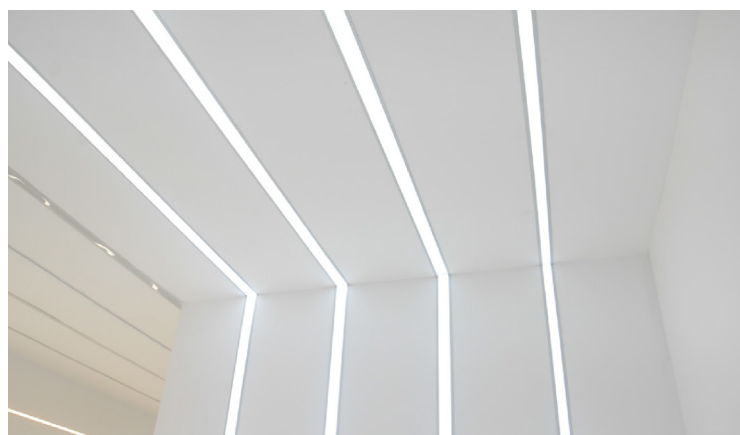
End Cap



Aluminium Profile



Mounting Clip (PC)





### MAN506

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 10mm

Length: 2000mm

Installation: Wardrobe, Bookcase, Bars, Counter, Cabinets etc.

Width: 16mm

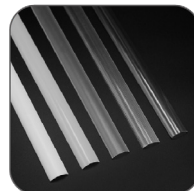
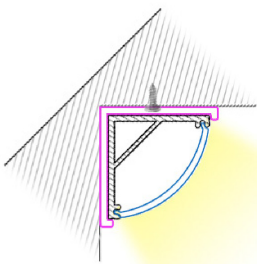
Height: 16mm

Please note: Dimensions are approximate and may vary slightly at time of manufacturing.

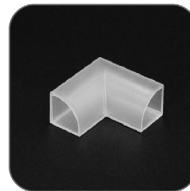
**Variety of LED tape light available. Please ask a consultant for further information.**



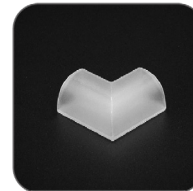
### Installations:



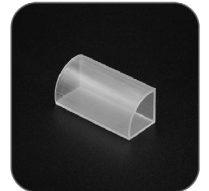
Cover



Connector 3



Connector 2



Connector 1



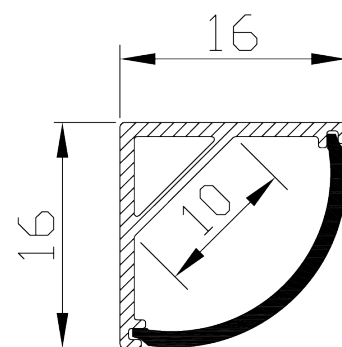
End Cap



Aluminum Profile



Mounting Clip (metal)





### MAN507

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 11,7mm

Length: 2000mm

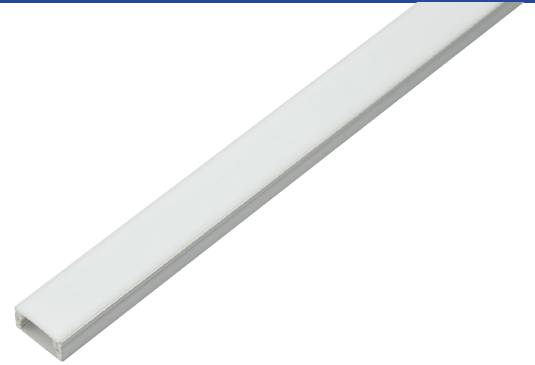
Installation: Wardrobe, Bookcase, Bars, Counter, Cabinets etc.

Width: 17mm

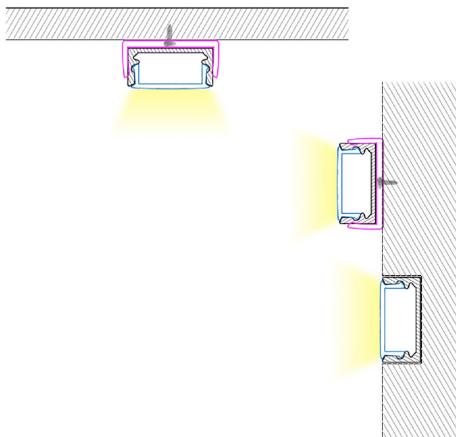
Height: 9mm

Please note: Dimensions are approximate and may vary slightly at time of manufacturing.

**Variety of LED tape light available. Please ask a consultant for further information.**



### Installations:



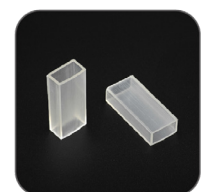
### Accessories:



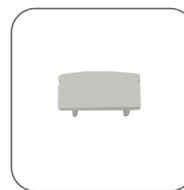
Cover



Connector "L"



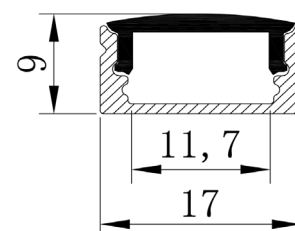
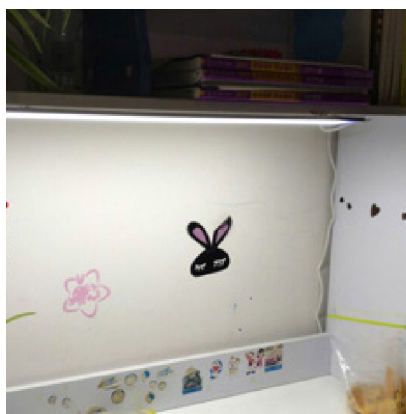
Connector "I"



End Cap



Mounting Clip (metal)





### MAN520

Aluminium Profile

Material: AL6063+PC

Surface: Anodized/Powder Coated

Lighting Source Width: 40mm

Length: 2000mm

Installation: Office, Boardroom, Supermarket, home etc.

Width: 50mm

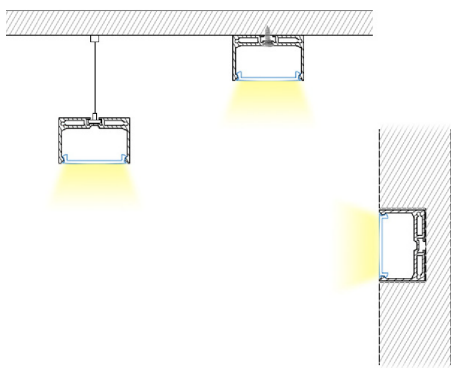
Height: 32,2mm

Please note: Dimensions are approximate and may vary slightly at time of manufacturing.

**Variety of LED tape light available. Please ask a consultant for further information.**



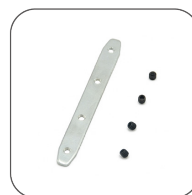
### Installations:



### Accessories:



Cover



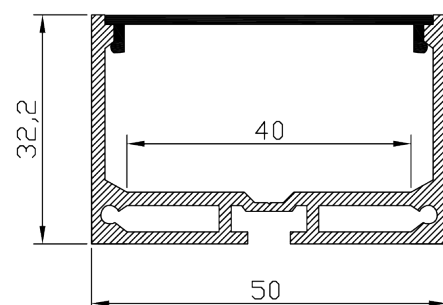
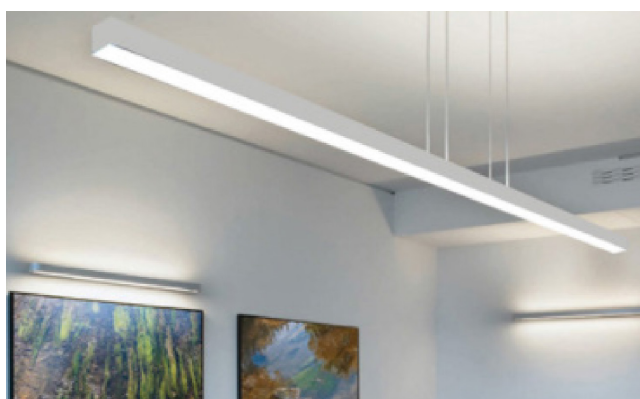
Connector



Suspended Wire



End Cap







### MAN524

Aluminium Profile

Material: AL6063+PC

Surface: Anodized/Powder Coated

Inner Width: 17mm

Length: 2500mm

Installation: Office, Boardroom, Supermarket, home etc.

Width: 20,3mm

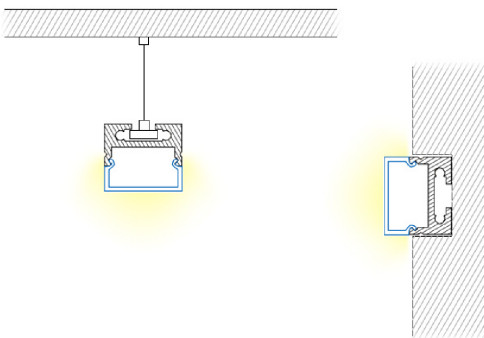
Height: 11mm (19.4mm with diffuser)

Please note: Dimensions are approximate and may vary slightly at time of manufacturing.

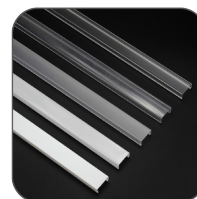
**Variety of LED tape light available. Please ask a consultant for further information.**



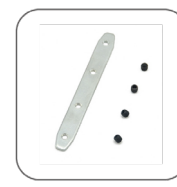
### Installations:



### Accessories:



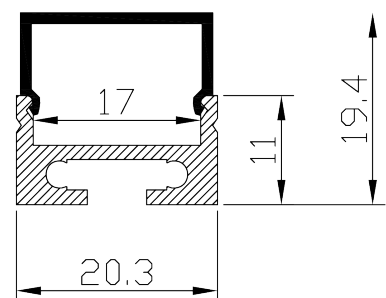
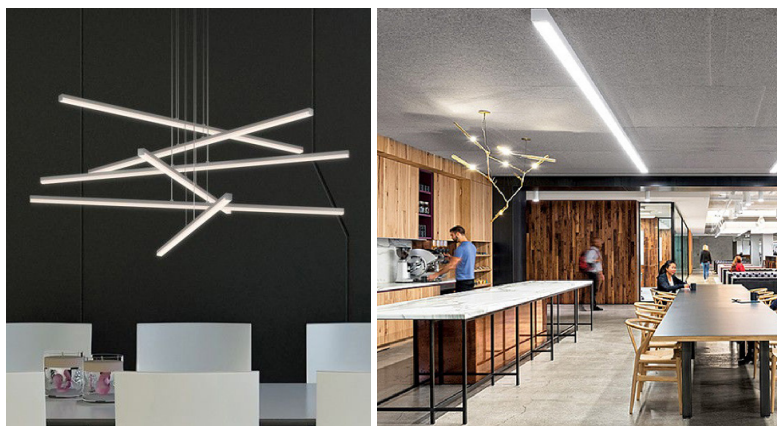
Cover

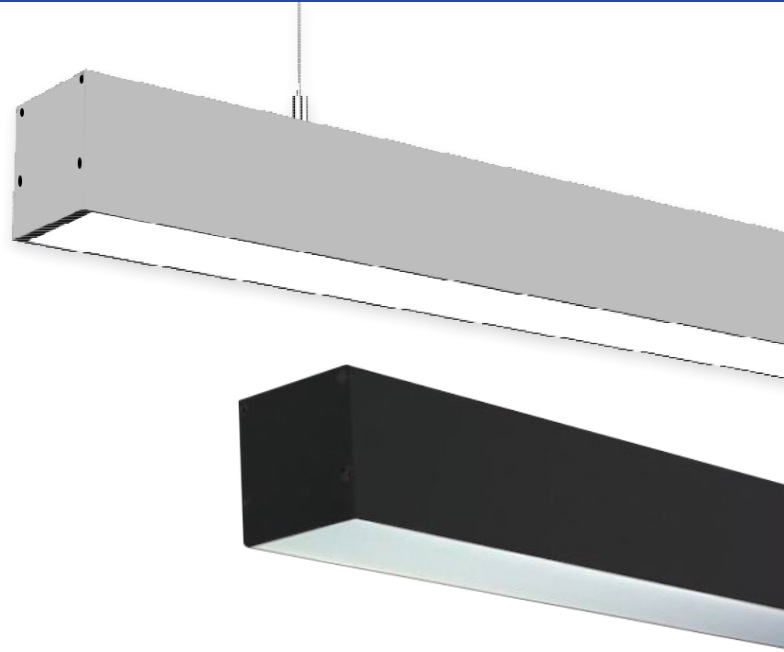
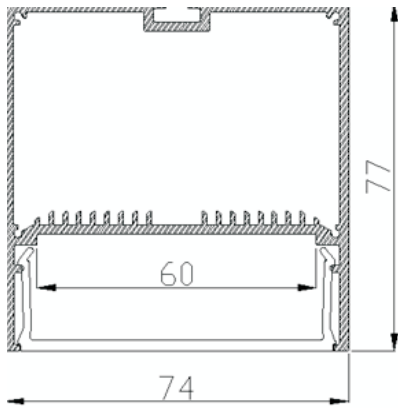


Connector



End Cap



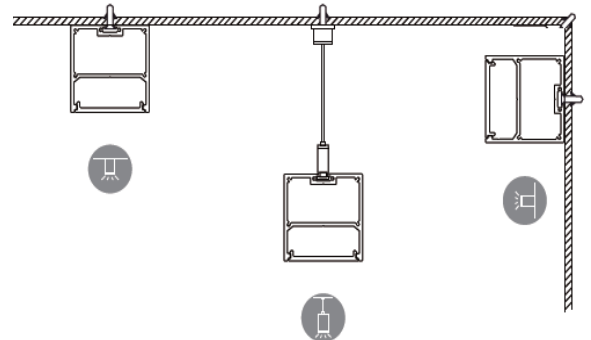


### MAN540/ALU MAN540/04 Black

- Aluminium Profile 2500mm
- Extension bar available for longer lengths.
- Power Supply: Integral
- Colour Options: Anodised Aluminium, Black, White.
- Accessories: **MAN542** Suspension Kit 2m (**MAN542/04/2m - Black**)
- **MAN544** Extending Connector.
- **MAN543** Corner Elbow.
- **MAN526/04** End Caps - Black



Variety of LED tape light available.  
Please ask a consultant for further information.



### Installation Instructions:

- Tape light to be fitted into profile by a competent person only.
- Please ensure profile is cleaned from residue, metal fillings or dust before applying the LED tape light.
- Protective clear film to be removed from aluminium body & lens cover.
- LED tape to be applied firmly to the profile and it is advisable to secure the power cable tight so that it protrudes from the profile.
- Downward pressure must be applied on the tape light to ensure correct & secure fixing. This will help to avoid the LED tape from coming loose inside the profile.

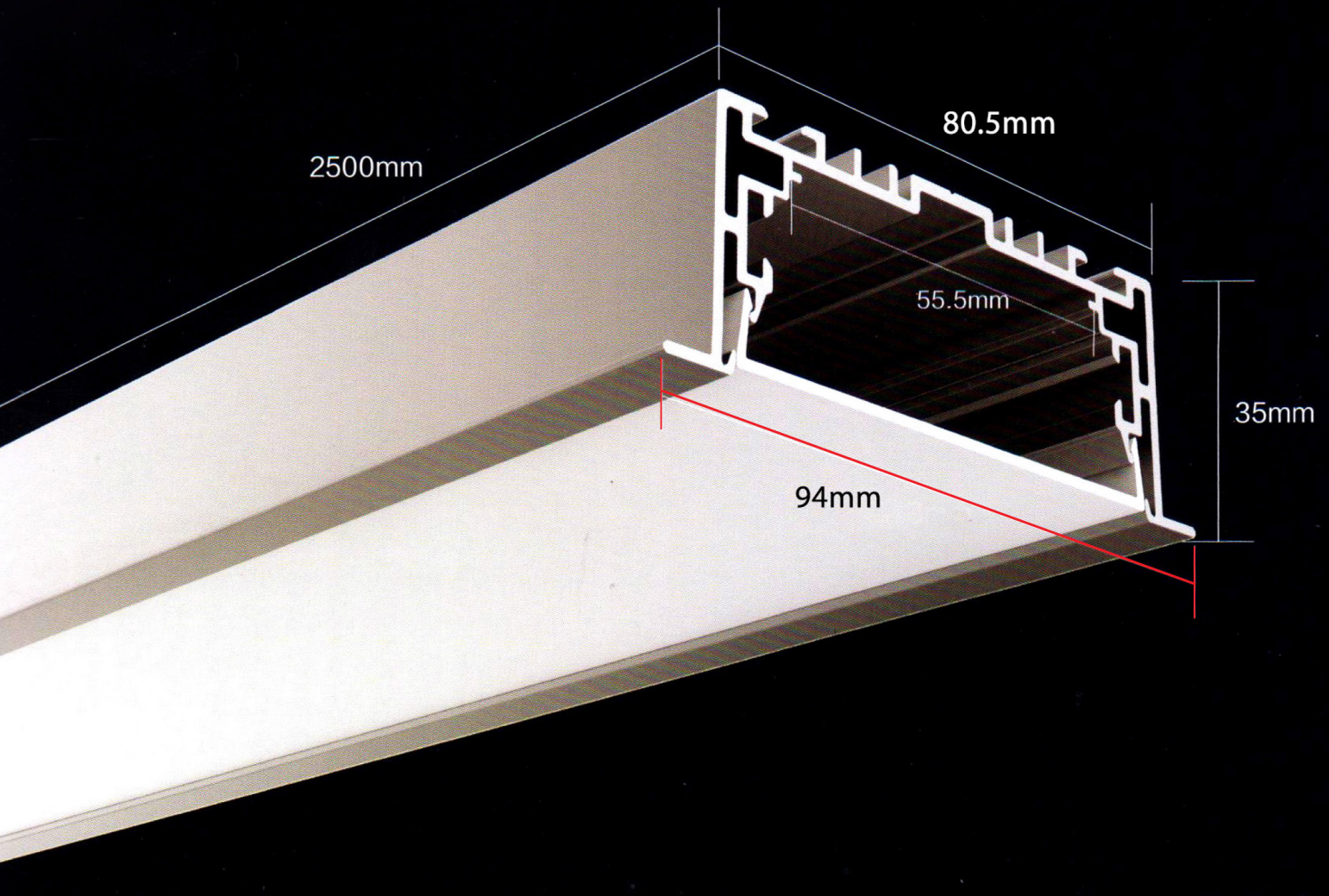
#### DRIVER: MAN546

- 5 Year Warranty
- Flicker Free
- Power Factor: >0.95
- 60W
- Non-Dim
- 24V

#### DRIVER: MAN545/Dali Driver

- 65W Dali dimmable driver





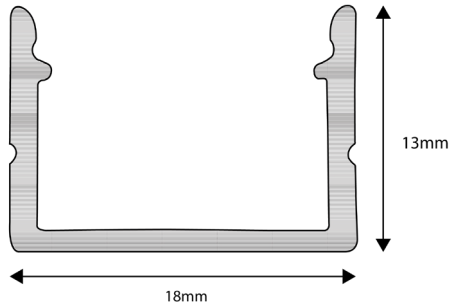
### Installation Instructions:

- Tape light to be fitted into profile by a competent person only.
- Please ensure profile is cleaned from residue, metal fillings or dust before applying the LED tape light.
- Protective clear film to be removed from aluminium body & lens cover.
- LED tape to be applied firmly to the profile and it is advisable to secure the power cable tight so that it protrudes from the profile.
- Downward pressure must be applied on the tape light to ensure correct & secure fixing. This will help to avoid the LED tape from coming loose inside the profile.

- Aluminium Profile 2500mm
- Width: 80.5mm (94mm Lip)
- Height: 35mm



**Variety of LED tape light available. Please ask a consultant for further information.**



- Extruded aluminium profile with opal clip-in diffuser.
- Length: 2000mm
- Width: 18mm
- Height: 13mm



**Variety of LED tape light available.  
Please ask a consultant for  
further information.**



### Installation Instructions:

- Tape light to be fitted into profile by a competent person only.
- Please ensure profile is cleaned from residue, metal fillings or dust before applying the LED tape light.
- Protective clear film to be removed from aluminium body & lens cover.
- LED tape to be applied firmly to the profile and it is advisable to secure the power cable tight so that it protrudes from the profile.
- Downward pressure must be applied on the tape light to ensure correct & secure fixing. This will help to avoid the LED tape from coming loose inside the profile.

### WATERPROOF LED FLEX STRIP

#### MAN210

##### TOP FEATURES:

- Domed surface with large light angle (160°) for soft & dot-free Lighting.
- Excellent heat dissipation.
- Outstanding weather resistance.
- Up to IP67, with the resistance to saline solutions, acid & alkali, corrosive gases and UV.
- Flame Resistant.

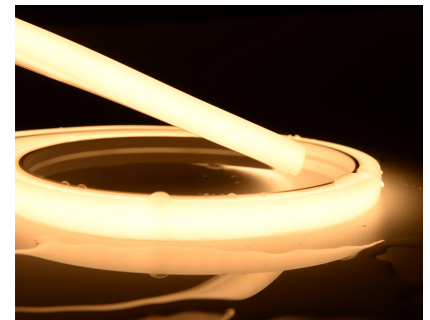


Input Voltage	CRI	CCT	Size	IP Rating	Power	Lumen Output
24V DC	>80	3700K	Length: 5m Roll (Cut to size) Width: 15mm	IP67 Water Resistant	11W/M	830LM/M

#### MAN211

##### TOP FEATURES:

- Domed surface with large light angle (160°) for soft & dot-free Lighting.
- Excellent heat dissipation.
- Outstanding weather resistance.
- Up to IP67, with the resistance to saline solutions, acid & alkali, corrosive gases and UV.
- Flame Resistant.



Input Voltage	CRI	CCT	Size	IP Rating	Power	Lumen Output
24V DC	>80	3000K	Length: 15m Roll (Cut to size) Width: 15mm	IP67 Water Resistant	11W/M	800Lm/M

##### OTHER FEATURES:

- Light source : High luminous efficiency, SMD2835 LED, SMD 2735 LED, LM80 proved.
- Process & Material : High light transmittance, environmental silicone material, integrated extrusion molding technology, IP67.
- Optical Design : Unique optical light distribution structure design, uniform lighting surface and no shadow.
- Appearance Design : Compared with the traditional neon tube or PVC guardrail tube, the silicone material has good flexibility, the simple and stylish appearance, which is exquisite and unique.
- Product Certification : UL, CE, ROHS.
- Working/Storage Temperature : Ta:-20~45°C/0°C~60°C.
- Life Span : 36000H, 3 years warranty.
- Cutting unit: 41.66mm
- Beam Angle: 160°
- Minimum Bending Radius: 60mm
- LED: 2835, 144LED/M

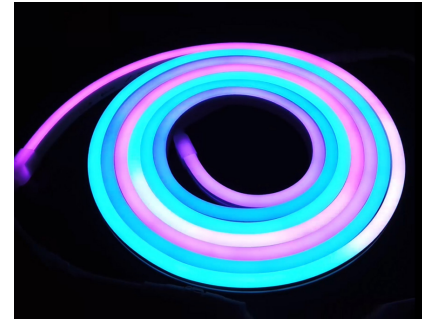


### WATERPROOF RGB FLEX STRIP

#### MAN213

##### TOP FEATURES:

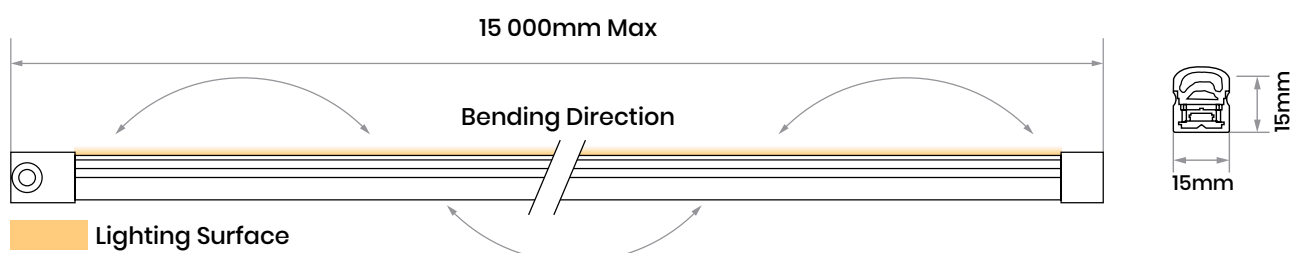
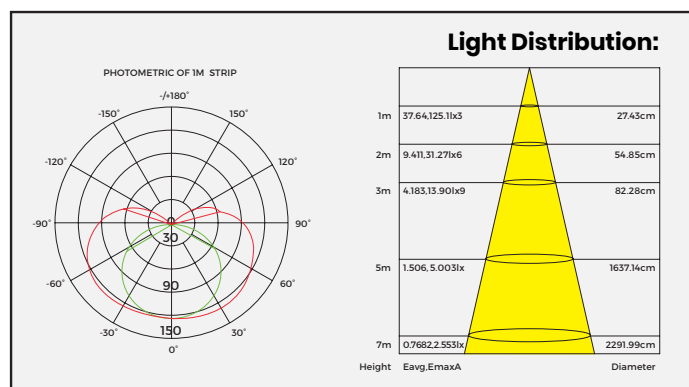
- Domed surface with large light angle (160°) for soft & dot-free Lighting.
- Excellent heat dissipation.
- Outstanding weather resistance.
- Up to IP67, with the resistance to saline solutions, acid & alkali, corrosive gases and UV.
- Flame Resistant.



Input Voltage	CRI	CCT	Size	IP Rating	Power	Lumen Output
24V DC	>80	RGB	Length: 5m Roll (Cut to size) Width: 15mm	IP67 Water Resistant	12W/M	-

##### OTHER FEATURES:

- Light source : High luminous efficiency, 4040 LED, LM80 proved.
- Process & Material : High light transmittance, environmental silicone material, integrated extrusion molding technology, IP67.
- Optical Design : Unique optical light distribution structure design, uniform lighting surface and no shadow.
- Appearance Design : Compared with the traditional neon tube or PVC guardrail tube, the silicone material has good flexibility, the simple and stylish appearance, which is exquisite and unique.
- Product Certification : UL, CE, ROHS.
- Working/Storage Temperature : Ta:-20~45°C/0°C~60°C.
- Life Span : 36000H, 3 years warranty.
- Cutting unit: 41.66mm
- Beam Angle: 160°
- Minimum Bending Radius: 60mm
- LED: 4040, 120LED/M



### MAN218 - RGB CONTROLLER REMOTE FOR MAN213 & MAN216

#### Remote Control:

Length (mm): 104  
 Width (mm): 58  
 Height (mm): 9  
 Housing Color: White  
 Housing material: Plastic  
 Mounting: Surface mounted  
 Weight (g): 42

#### Electronics:

Input Domain: DC  
 Input Voltage (V): 12 ~ 24V DC  
 Output Voltage (V DC): 12~24V  
 LED Output Current (max per output, mA): 3000  
 Output current max. (A): 9  
 Output power (W): 108W @ 12V, 216W @ 24V  
 Power Supply: Not applicable  
 LED outputs: 3

#### Lighting:

Color range: RGB

#### Control:

Output signal: RF, PWM-CV  
 Control: Manual  
 Remote Distance: 40m  
 Zones: 1  
 Number of channels: 3  
 Functions: programmable

#### Wiring:

Wire Strip Length: 5mm  
 Wire type: 2,5mm<sup>2</sup>

#### Protection:

Reverse Polarity: Yes  
 LED Output Short: Yes  
 Overload: Yes  
 Restart after protection: Yes

#### Environmental:

Operating temperature: -20 ~ 55 °C  
 Ingress protection: IP20  
 Environment: Indoor

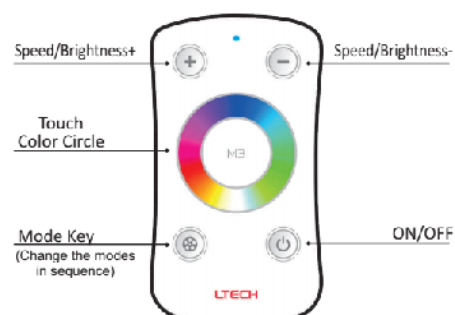
#### Approvals:

CE: ✓  
 FCC: FCC Part 15:2009

#### Warranty: 5 Years

#### Weight & Dimensions:

W x H x D (cm): 6.00 x 0.90 x 10.40  
 Weight (kg): 0.04



### WATERPROOF LED FLEX STRIP

#### MAN220

##### TOP FEATURES:

- Front/Side emitting for homogenous, soft & dot-free lighting.
- Excellent heat dissipation.
- Outstanding weather resistance.
- Up to IP67, with the resistance to saline solutions, acid & alkali, corrosive gases and UV.
- Flame Resistant.



Input Voltage	CRI	CCT	Size	IP Rating	Power	Lumen Output
24V DC	>80	3000K	Length: 5m Roll (Cut to size) W: 12 x H:17mm	IP67 Water Resistant	9.6W/M	520Lm/M

#### MAN221

##### TOP FEATURES:

- Front/Side emitting for homogenous, soft & dot-free lighting.
- Excellent heat dissipation.
- Outstanding weather resistance.
- Up to IP67, with the resistance to saline solutions, acid & alkali, corrosive gases and UV.
- Flame Resistant.



Input Voltage	CRI	CCT	Size	IP Rating	Power	Lumen Output
24V DC	>80	4000K	Length: 5m Roll (Cut to size) W: 12 x H:17mm	IP67 Water Resistant	9.6W/M	520Lm/M

##### OTHER FEATURES:

- Light source : High luminous efficiency, SMD2835 LED, SMD 2735 LED, LM80 proved.
- Process & Material : High light transmittance, environmental silicone material, integrated extrusion molding technology, IP67.
- Optical Design : Unique optical light distribution structure design, uniform lighting surface and no shadow.
- Appearance Design : Compared with the traditional neon tube or PVC guardrail tube, the silicone material has good flexibility, the simple and stylish appearance, which is exquisite and unique.
- Product Certification : UL, CE, ROHS.
- Working/Storage Temperature : Ta:-20~45°C/0°C~60°C
- Life Span : 36000H, 3 years warranty.
- Cutting unit: 50mm
- Beam Angle: 115°
- Minimum Bending Radius: 50mm
- LED: 2835, 120LED/M





### WATERPROOF RGB FLEX STRIP

#### MAN226

##### TOP FEATURES:

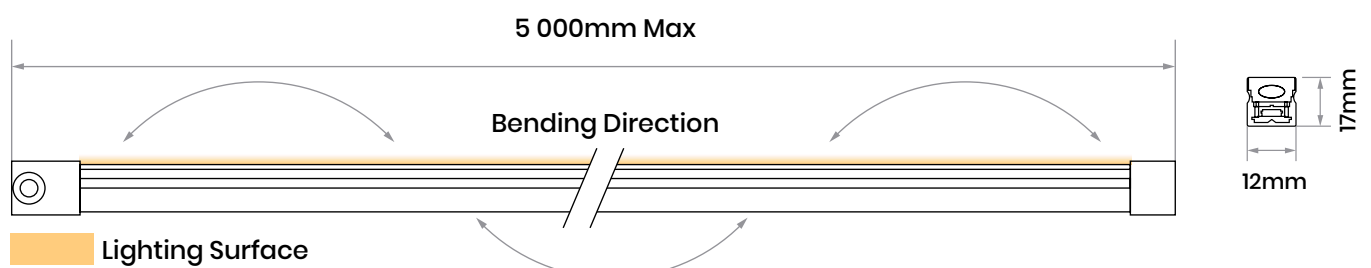
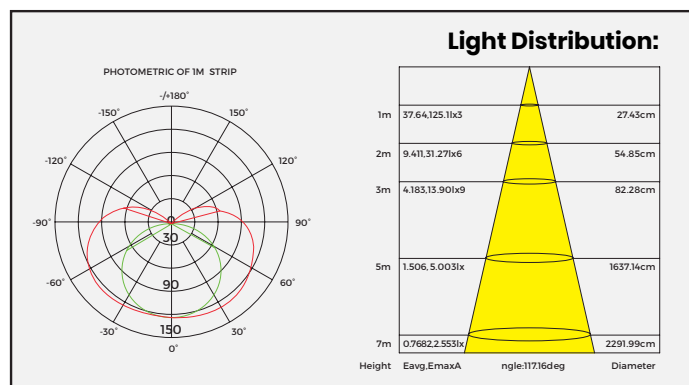
- Front/Side emitting for homogenous, soft & dot-free lighting.
- Excellent heat dissipation.
- Outstanding weather resistance.
- Up to IP67, with the resistance to saline solutions, acid & alkali, corrosive gases and UV.
- Flame Resistant.



Input Voltage	CRI	CCT	Size	IP Rating	Power	Lumen Output
24V DC	>80	RGB	Length: 5m Roll (Cut to size) W: 12 x H:17mm	IP67 Water Resistant	12W/M	200Lm/M

##### OTHER FEATURES:

- Light source : High luminous efficiency, SMD2835 LED, SMD 2735 LED, LM80 proved.
- Process & Material : High light transmittance, environmental silicone material, integrated extrusion molding technology, IP67.
- Optical Design : Unique optical light distribution structure design, uniform lighting surface and no shadow.
- Appearance Design : Compared with the traditional neon tube or PVC guardrail tube, the silicone material has good flexibility, the simple and stylish appearance, which is exquisite and unique.
- Product Certification : UL, CE, ROHS.
- Working/Storage Temperature : Ta:-20~45°C/0°C~60°C.
- Life Span : 36000H, 3 years warranty.
- Cutting unit: 50mm
- Beam Angle: 115°
- Minimum Bending Radius: 50mm
- LED: 2835, 120LED/M



### MAN573 - 24V - 8MM - 3000K

LED full spectrum strip

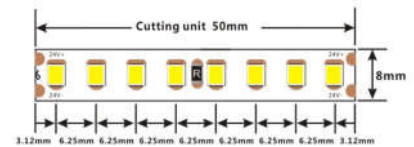
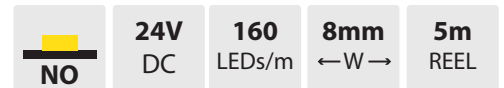
- Super-dense LED distribution of 160 LED/m
- Self-encapsulated design 3000K
- LM80 certified
- Lifespan: 36000H

#### BASIC PARAMETERS:

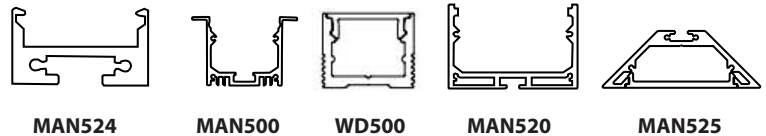
Size: L: 5000mm x W:8 mm  
 Cutting unit: 50mm/8LED's  
 Input Voltage: 24VDC  
 IP Rating: IP33 Non-Waterproof  
 LED: 2835

#### PHOTOELECTRIC PARAMETERS:

CCT: 3000K  
 Lumens: 990Lm  
 Lm/W: 90  
 CRI: >98  
 Typical Power: 10.8W(1meter) / 54W(5meter)  
 Power Range: 9.6~12W Per Meter



#### RECOMMENDED PROFILES:



### MAN574 - 24V - 8MM - 4000K

LED full spectrum strip

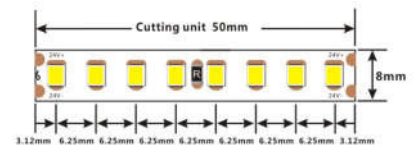
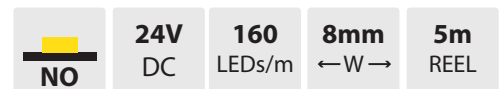
- Super-dense LED distribution of 160 LED/m
- Self-encapsulated design 4000K
- LM80 certified
- Lifespan: 36000H

#### BASIC PARAMETERS:

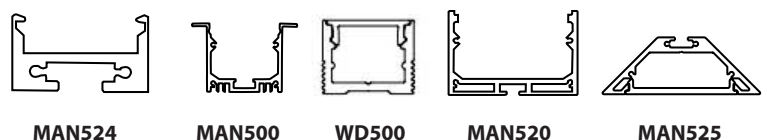
Size: L: 5000mm x W:8 mm  
 Cutting unit: 50mm/8LED's  
 Input Voltage: 24VDC  
 IP Rating: IP33 Non-Waterproof  
 LED: 2835

#### PHOTOELECTRIC PARAMETERS:

CCT: 4000K  
 Lumens: 1050Lm  
 Lm/W: 95  
 CRI: >98  
 Typical Power: 10.8W(1meter) / 54W(5meter)  
 Power Range: 9.6~12W Per Meter



#### RECOMMENDED PROFILES:



### MAN575 - 24V - 8MM - 3000K

LED Tapelight

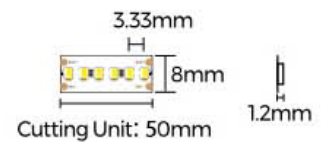
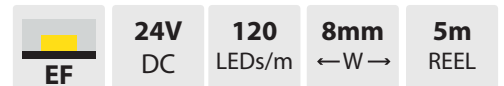
- Super-dense LED distribution of 120 LEDs/m & ultra-slim thickness of 1.2mm, matching profiles better.
- Self-encapsulated design 3000K
- Lifespan: 36000H

#### BASIC PARAMETERS:

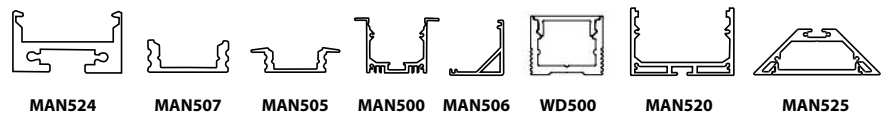
Size: 5000mm x 8mm x 1.2mm  
 Cutting Unit: 6LEDs/50mm  
 Input Voltage: 24VDC  
 Input Current: 0.33A/1m & 1.65A/5m  
 Typ power: 8W/m  
 Max power: 8.6W/m  
 Bend Diameter: >60mm

#### PHOTOELECTRIC PARAMETERS:

CCT: 3000K  
 Lumens: 691 LM/m  
 Lumens Per Watt: 86 LM/w  
 A+ Energy Efficiency Class  
 CRI >90



#### RECOMMENDED PROFILES:



### MAN576 - 24V - 8MM - 4000K

LED Tapelight

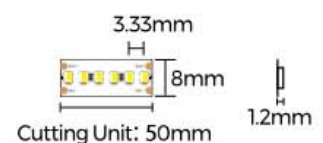
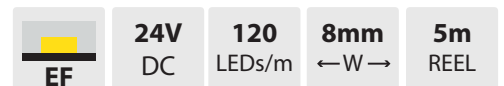
- Super-dense LED distribution of 120 LEDs/m & ultra-slim thickness of 1.2mm, matching profiles better.
- Self-encapsulated design 4000K
- Lifespan: 36000H

#### BASIC PARAMETERS:

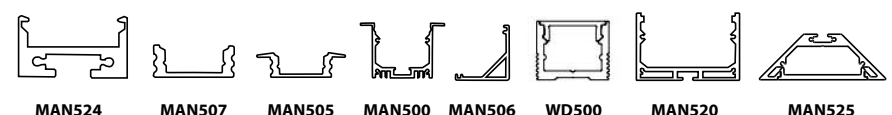
Size: 5000mm x 8mm x 1.2mm  
 Cutting Unit: 6LEDs/50mm  
 Input Voltage: 24VDC  
 Input Current: 0.33A/1m & 1.65A/5m  
 Typ power: 8W/m  
 Max power: 8.6W/m  
 Bend Diameter: >60mm

#### PHOTOELECTRIC PARAMETERS:

CCT: 4000K  
 Lumens: 713 LM/m  
 Lumens Per Watt: 89 LM/w  
 A+ Energy Efficiency Class  
 CRI >90



#### RECOMMENDED PROFILES:



### MAN577 - 24V - 8MM - 3000K

LED Tapelight

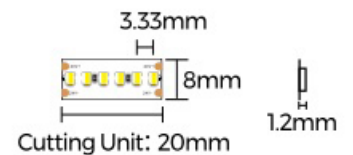
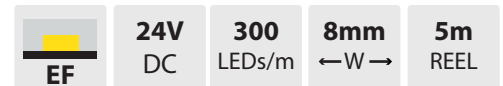
- Super-dense LED distribution of 300 LEDs/m & ultra-slim thickness of 1.2mm, matching profiles better.
- Self-encapsulated design LED tapelight
- Lifespan: 36000H

#### BASIC PARAMETERS:

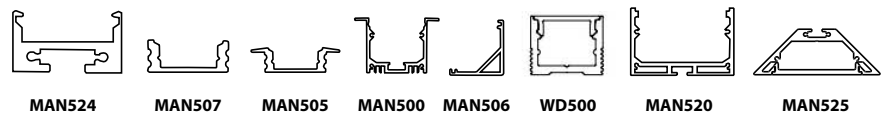
Size: 5000mm x 8mm x 1.2mm  
 Cutting Unit: 6 LEDs/ 20mm  
 Input Voltage: 24VDC  
 Input Current: 0.54A/1m & 2.7A/5m  
 Typ power: 13W/m  
 Max power: 14W/m  
 Bend Diameter: >60mm

#### PHOTOELECTRIC PARAMETERS:

CCT: 3000K  
 Lumens: 1100 LM/m  
 Lumens Per Watt: 85 LM/w  
 A Energy Efficiency Class  
 CRI >90



#### RECOMMENDED PROFILES:



### MAN578 - 24V - 8MM - 4000K

LED Tapelight

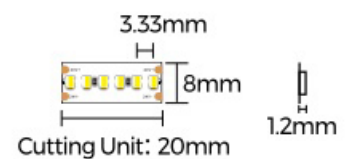
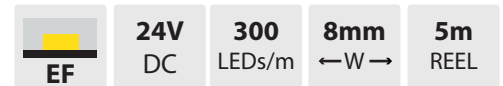
- Super-dense LED distribution of 300 LEDs/m & ultra-slim thickness of 1.2mm, matching profiles better.
- Self-encapsulated design LED tapelight
- Lifespan: 36000H

#### BASIC PARAMETERS:

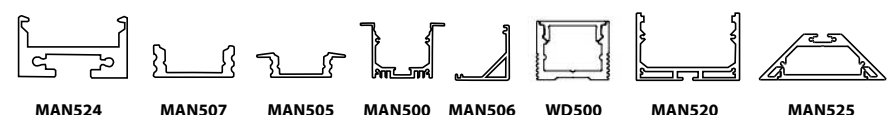
Size: 5000mm x 8mm x 1.2mm  
 Cutting Unit: 6 LEDs/20mm  
 Input Voltage: 24VDC  
 Input Current: 0.54A/1m & 2.7A/5m  
 Typ power: 13W/m  
 Max power: 14W/m  
 Bend Diameter: >60mm

#### PHOTOELECTRIC PARAMETERS:

CCT: 4000K  
 Lumens: 1134 LM/m  
 Lumens Per Watt: 87 LM/w  
 A+ Energy Efficiency Class  
 CRI >90



#### RECOMMENDED PROFILES:



### RO/100 - 24V - 3000K

COB Diffused Flex Tapelight

- High-density COB LEDs;
- Linear lighting, without light spot, soft and uniform luminance, High CRI, high brightness and high efficiency
- Must be used with aluminium profile, High temperature resistance, long life, Luminous surface width of  $4.0 \pm 0.2$ mm
- UL,CE,RoHS compliant, Suitable for indoor use as decorative lighting, such as corner decoration
- 5 years or 25,000 hours, Max.



#### BASIC PARAMETERS:

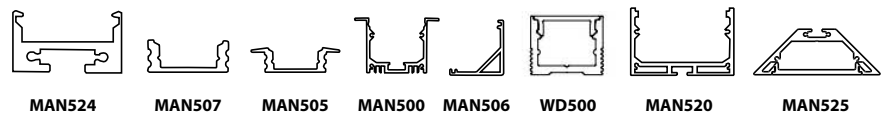
Size: 5000mm x 10mm  
 Cutting Unit: 6 LEDs/20mm  
 Input Voltage: 24VDC  
 Bend Diameter: >50mm  
 Max Power: 20w/m



#### PHOTOELECTRIC PARAMETERS:

CCT: 3000K  
 Lumens: 1440 LM/m  
 Lumens Per Watt: 72 LM/w  
 A Energy Efficiency Class  
 CRI >90

#### RECOMMENDED PROFILES:



### RO/100 - 24V - 4000K

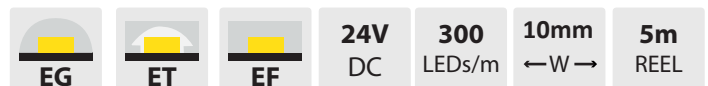
COB Diffused Flex Tapelight

- High-density COB LEDs;
- Linear lighting, without light spot, soft and uniform luminance, High CRI, high brightness and high efficiency
- Must be used with metal profile, High temperature resistance long life, Luminous surface width of  $4.0 \pm 0.2$ mm
- UL,CE,RoHS compliant, Suitable for indoor use as decorative lighting, such as corner decoration
- 5 years or 25,000 hours, Max.



#### BASIC PARAMETERS:

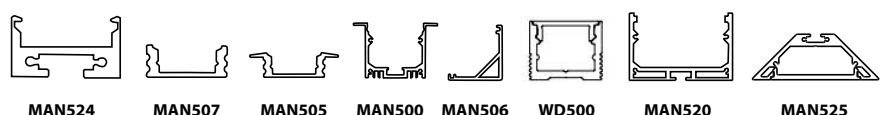
Size: 5000mm x 10mm  
 Cutting Unit: 6LEDs/20mm  
 Input Voltage: 24VDC  
 Bend Diameter: >50mm  
 Max Power: 20w/m



#### PHOTOELECTRIC PARAMETERS:

CCT: 3000K  
 Lumens: 1440 LM/m  
 Lumens Per Watt: 72 LM/w  
 A Energy Efficiency Class  
 CRI >90

#### RECOMMENDED PROFILES:





### S-Line LED System

Eagle Lighting's S-LINE Linear Lighting System is an energy-efficient, low maintenance system and a better alternative to traditional linear fluorescent in a variety of industrial, commercial and light assembly applications. It is the optimal solution for conventional lighting systems and also excellent for new installations due to its low installation cost - everything in one box and installation is tool-less. It saves both time and costs when installing this lighting system.

#### Benefits

- Cost-effective light-line solution for industrial, commercial and other applications.
- Good quality of light with high lumen output to meet different requirements.
- Easy to install, reducing time, labour, packaging waste and complexity.
- Flexible solution.



Also Available in Black

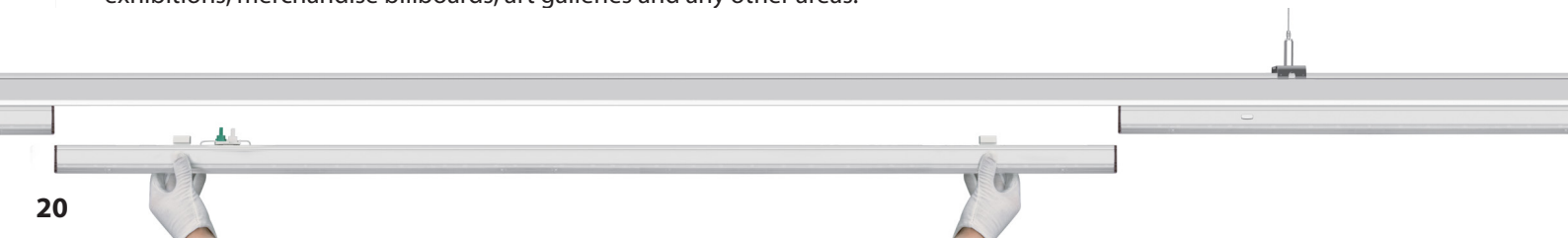
#### Trunking Rail

- 3-phase pre-selection via moving luminaire male connector pin to right or left to installation in rail.
- Trunking rail as standard with 5, 8 or 12-core through-wiring with 2.5mm<sup>2</sup> cable for power supply & 1.5mm<sup>2</sup> cable for dimming.
- The maximum current is 16A, allowing 70pcs of 1500mm, 50W in one serial row 220VAC power supply.
- Separate power supplies, dimming or emergency supply can be integrated.
- Electrical feed possible in sideward or end area of a trunking rail arrangement via special trunking rail elements.
- Trunking rail modules with pre-assembled connectors.
- Wide distances between suspension points to 3m with self-supporting connector elements.
- Simple mounting of trunking rail elements with pre-assembled connectors with integral plug-in system.
- Flexible electrical feed-in and feed-out points.

#### Track Spot Light Option



It is specially designed and perfectly used for pinpoint accent lighting. The effects of the spot lights create enhanced focus to attract the customer's attention to the objects on display. Optimized for efficient accent lighting in supermarkets, museums, exhibitions, merchandise billboards, art galleries and any other areas.



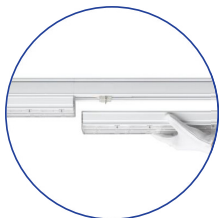
### Available in the Following Options

### SCS200-50W / SCS205-70W

- Wattage: 30W, 35W, 40W, 50W, 60W, 70W
- Lengths: 1200mm, 1500mm, 2400mm, 3000mm
- Beam Angles: Sharp 30°, Narrow 60°, Wide 90°, Flat 120°, Asymmetric Left, Asymmetric Right, Double Asymmetric
- Kelvin Ratings: 3000K & 4000K
- Dimming: DALI, 1-10V, DIM switch dimmable
- Sensors: Daylight & Microwave optional
- Wires: 5, 8, 12 wire trunking rail
- Nodes: L, T, X Node connectors
- Installation: Cord, Chain, Rod, Surface Mounted, Mounting Clips ( Maximum suspension span of 3m )
- Body Colour: White or Black

160lm/W

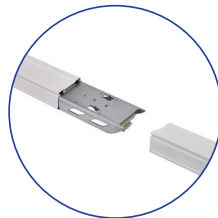
### Components



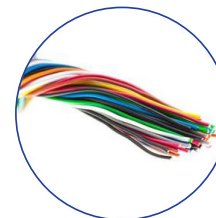
Fixture



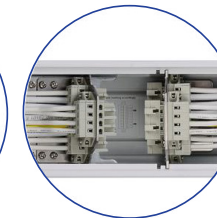
Trunk Rail



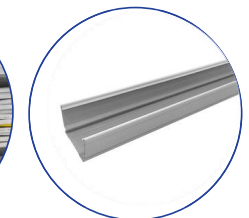
Linkable



Built-in Cables



Electrical Connector



Steel Housing

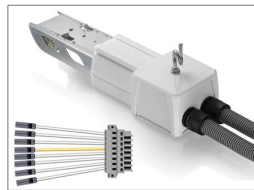
### Accessories



Suspension: Chain, Rod, Cord



Surface Mounted: Surface or T-bar



Feed-in box or feed-in connector




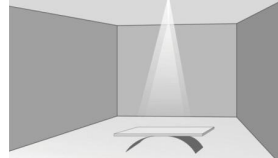
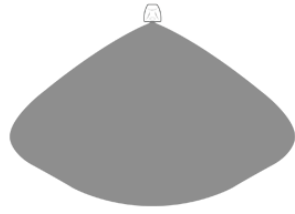

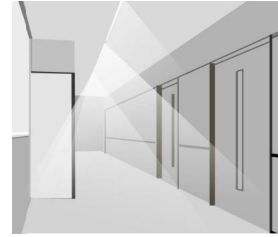


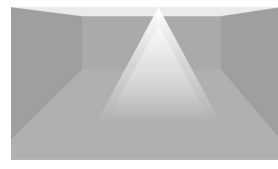


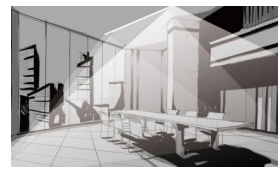

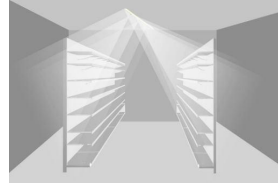
End cap /Blank cover

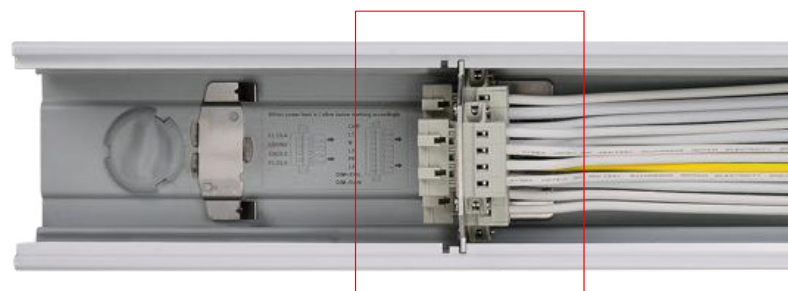


Node Connector: L/T/X

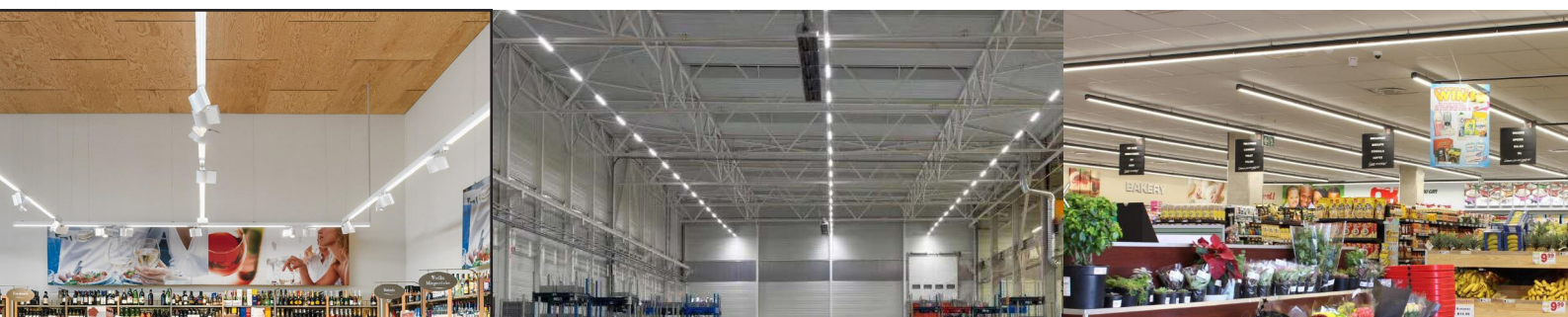


### Beam Angles

<p><b>LED Sharp (30°)</b> Narrow focused beam angle for product displays.</p>			<p>• Flat (PC) 120°</p> 
<p><b>LED Narrow (60°)</b> The 60-degree angle is specially designed for corridors, passages, and aisles. It provides the most suitable and uniform light without causing eye discomfort.</p>			<p>• Left Asymmetric</p> 
<p><b>LED Wide Angle (90°)</b> With a wide beam angle, multiple spaces &amp; multiple areas can be easily illuminated.</p>			<p>• Right Asymmetric</p> 
<p><b>LED Flat Angle (120°)</b> The PC cover is the perfect solution for indoor conventional lighting using a flat angle.</p>			
<p><b>LED Double Symmetric (120°)</b> Double Symmetrical light focuses light to specific areas, creating efficiency by eliminating light spillage to unnecessary areas.</p>			



Internal cables easily connect with the male and female connector.







### T-Line LED System

This new T-line track system is a continuous seamless lighting fixture with the option to install track spot lights in between. This new T-line is totally tool-less, easy to install, time saving, cost saving and labour saving.

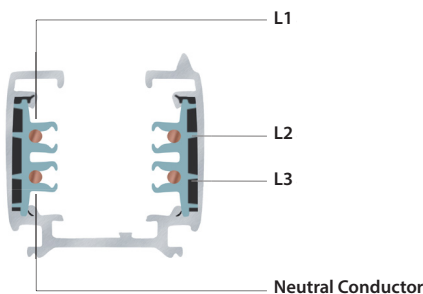
#### Benefits

- Cost-effective light-line solution for industrial, commercial and other applications.
- Good quality of light with high lumen output to meet different requirements.
- Easy to install.
- Flexible solution.

#### Track

- Phase pre-selection via adaptor, the T-line can be adjusted by moving it right or left.
- The maximum current is 10A, allowing 60pcs of 1500mm 35W in one serial row 220VAC power supply - 4 Wire.
- Flexible change of installation position.
- Track Spot lights can be installed in-between.
- The T-line can be used on existing track rails.

#### Track Rail - 4 Wire



#### Application Areas

- Commercial
- Shops
- Showrooms
- Other indoor lighting



### SCS310 Specifications - 20W

- Beam Angle: Wide - 90° - White
- UGR: <19
- Lumens Per Watt: 160
- Power: 20W
- Lumens: 3000lm
- Input Current: 0.75A Max
- Efficiency: 88%
- CCT: 4000K
- L: 600mm x W:60mm x H:11mm

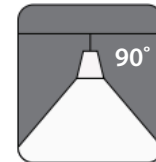
### SCS300 Specifications - 50W

- Beam Angle: Wide - 90° - White
- UGR: <19
- Lumens Per Watt: 160
- Power: 50W
- Lumens: 7500lm
- Input Current: 0.30A Max
- Efficiency: 87%
- CCT: 4000K
- L: 1500mm x W:60mm x H:11mm

### SCS311 - 4000K - BLK -20W SCS312 - 3000K - BLK -20W

- Output selectable by DIP switch.
- Constant current LED driver.
- Universal voltage input range.
- Steel casing driver, encapsulated.
- Over voltage protection with automatic restart.
- Overload protection Short-circuit protection with automatic restart.
- Life time: 50,000 h
- 5 year warranty
- Power Factor: 0.90
- Max casing temperature: 75°C
- Storage temperature: -40°C - 85°C
- CRI: >80Ra
- Body Colour: Black

### SCS301- 4000K - BLK - 50W



160lm/W

### 4 WIRE TRACK

- SCS401- Black 3M 4 Wire
- SCS405 - White 3M 4 Wire



### DL101

White Tilt Downlight  
50W Max  
MR16 / GU10  
Diameter: 95mm  
Cut-out: 82mm



### DL103

White Fixed Downlight  
50W Max  
MR16 / GU10  
Diameter: 81mm  
Cut-out: 72mm



### DL108

Satin Chrome Tilt Downlight  
50W Max  
MR16 / GU10  
Diameter: 95mm  
Cut-out: 82mm



### DL109

Satin Chrome Fixed Downlight  
50W Max  
MR16 / GU10  
Diameter: 81mm  
Cut-out: 72mm



### DL110

White Fixed Downlight  
12V ~ 50W  
MR16 / GU5.3  
Diameter: 83mm  
Cut-out: 73mm



### DL111

White Fixed Downlight  
12V ~ 50W  
MR16 / GU5.3  
L x W: 88 x 88mm  
Cut-out: 75 x 75mm



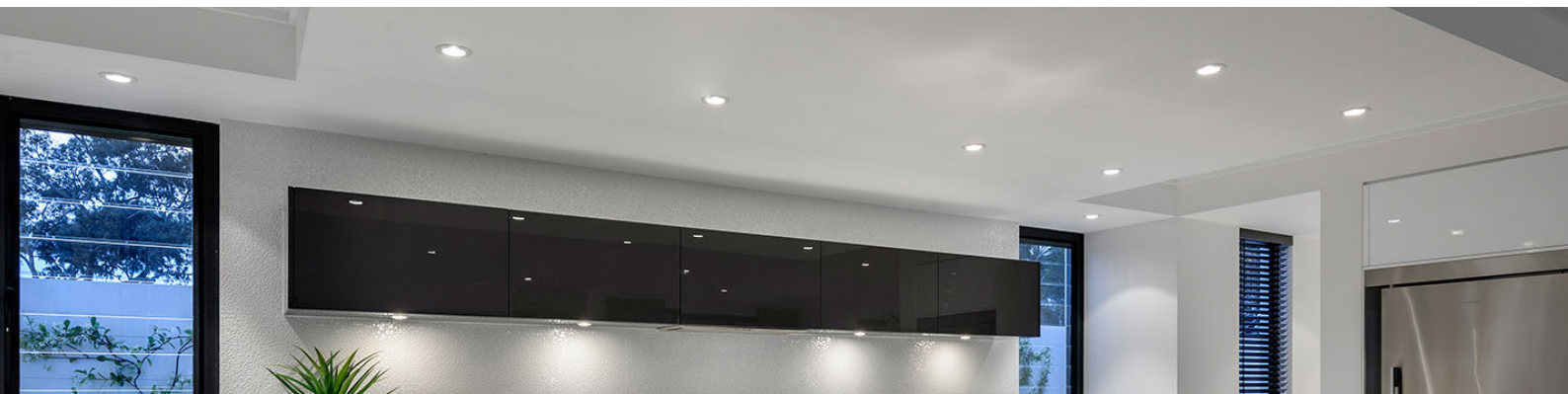
### DL112

White Tilt Downlight  
12V ~ 50W  
MR16 / GU5.3  
Diameter: 85mm  
Cut-out: 75mm



### DL102

White Tilt Downlight  
Pure Aluminium  
Max ~ 50W - MR16 / GU10  
Diameter: 92mm  
Cut-out: 75mm



### DL106/04 - Black

### DL106/25 - White

Round Recessed Downlight with Clear Glass Diffuser

Colour: Sand Black / Sand White

GU10 or MR16 - Max 35W

Diameter: 85mm

Height: 45mm

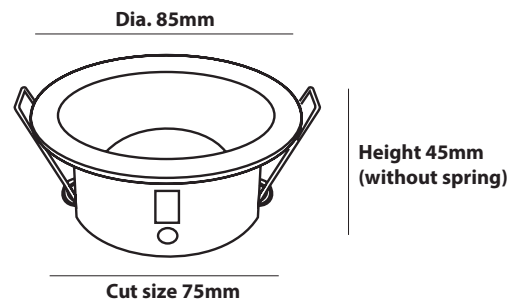
Cut-out: 75mm

Voltage: 230V or 12V

IP Rating: IP65

Interior use only

Excludes lamp holder



### DL107/04 - Black

### DL107/25 - White

Square Recessed Downlight with Clear Glass Diffuser

Colour: Sand Black / Sand White

GU10 or MR16 - Max 35W

Length x Width: 85 x 85mm

Height: 45mm

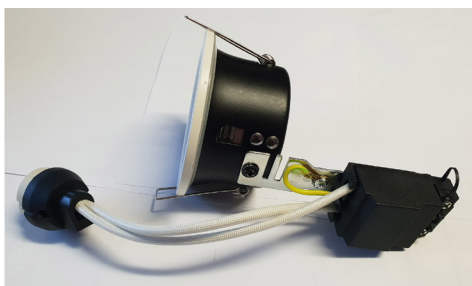
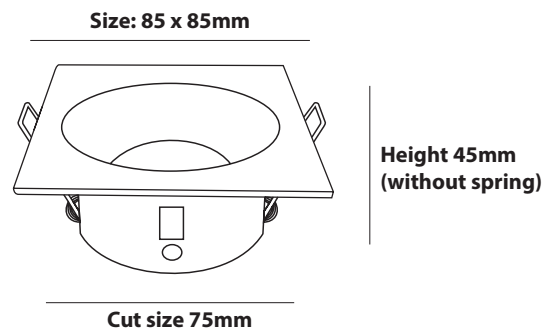
Cut-out: 75mm

Voltage: 230V or 12V

IP Rating: IP65

Interior use only

Excludes lamp holder



Attach lamp holder  
to body and fasten with  
side screw  
*JIN002*

### DL117

Fixed Downlight  
50W Max GU10  
Sand White  
Sand Black  
Diameter: 80mm  
Cut-out: 75mm



### DL104

Black Tilt Downlight  
50W Max GU10  
Diameter: 85mm  
Cut-out: 75mm



### DL114

Soft edge downlight - Round  
Sand White  
Pure Aluminium  
35W Max GU10  
Diameter: 107mm  
Cut-out: 80mm



### DL117

Soft edge downlight - Square  
Sand White  
Pure Aluminium  
35W Max GU10  
L x W: 107mm  
Cut-out: 80mm



### DL127

Surface mount downlight - Tilt  
Matt White  
50W Max GU10  
Diameter: 85mm  
Height: 115mm



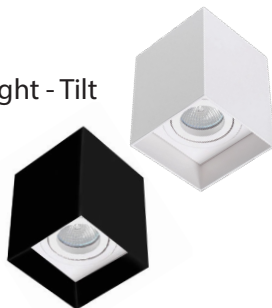
### DL128

Surface mount downlight - Tilt  
Matt Black  
50W Max GU10  
Diameter: 85mm  
Height: 115mm



### DL129/130

Square Surface mount downlight - Tilt  
Matt White / Matt Black  
50W Max GU10  
L x W: 90mm  
Height: 115mm



### DL115

Round White Anti-glare Downlight  
35W Max GU10  
Diameter: 85mm  
Cut-out: 68mm



### JIN166

Square White Anti-glare  
Downlight  
35W Max GU10  
L x W: 85mm  
Cut-out: 68mm



### JIN168

White LED Starlight  
3.5W LED - 3000K  
Non Dim - IP44  
Diameter: 43mm  
Cut-out: 37mm



### LED DOWNLIGHT - 15W

- SXX105/04 - Black
- SXX105/25 - White

These downlights have a traditional deep reflector (UGR<19) that provides a perfect combination of high light efficiency and comfortable lighting, without compromising on light performance (color rendering and color uniformity). It offers a wide range of options to create the desired ambience.

#### TECHNICAL DATA:

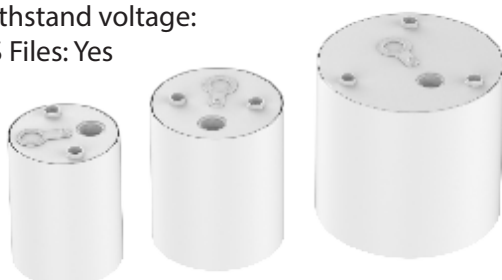
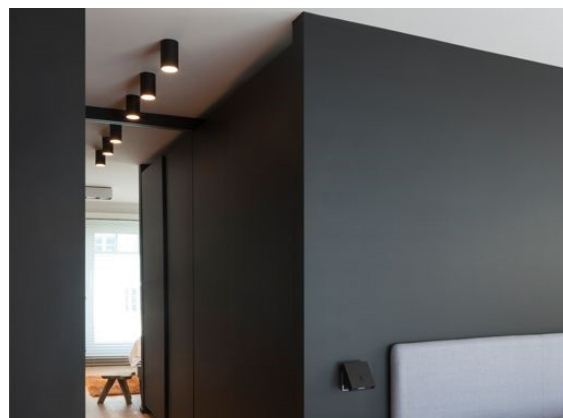
Wattage: 15W  
 CCT: 4000K  
 Luminous Flux: 1750lm  
 Dimmable: No  
 IP Rating: IP54  
 Average Lifespan: 50 000 Hours / 5 Years

Voltage: AC200-240V flicker free  
 LED: Citizen COB  
 CRI: 80  
 UGR: <19  
 Rated output current: 350mA  
 Beam Angle: 60°  
 Protection Class: 1  
 IK Rating: IK03  
 Material: Aluminium  
 Operating Temp: -20°C~45°C  
 Storage Temp: -20°C~65°C  
 Mounting: Surface mount

Diameter: 100mm  
 Height: 134mm  
 Weight: 650g

#### DRIVER:

Efficiency: 84%  
 Power Factor: 0.9  
 Rated input current: 0.09A  
 Rated output current: 350mA  
 Power tolerance: ±5%  
 Short circuit protection  
 Over voltage protection  
 Over temperature protection  
 Withstand voltage:  
 IES Files: Yes



**NB: All LED Surface mounted downlighter need to be protected on the primary side by circuit protection against power & voltage surges.**

### LED DOWNLIGHT - 25W

- SXX106/04 - Black
- SXX106/25 - White

These downlights have a traditional deep reflector (UGR<19) that provides a perfect combination of high light efficiency and comfortable lighting, without compromising on light performance (color rendering and color uniformity). It offers a wide range of options to create the desired ambience.

#### TECHNICAL DATA:

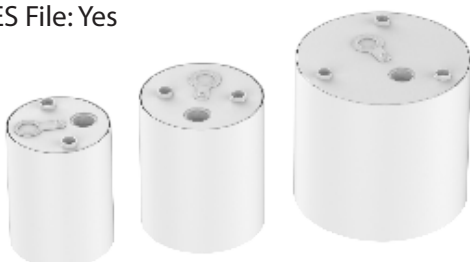
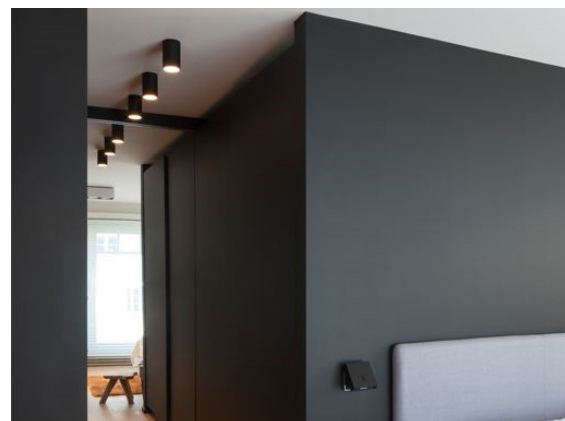
Wattage: 25W  
CCT: 4000K  
Luminous Flux: 2880lm  
Dimmable: No  
IP Rating: IP54  
Average Lifespan: 50 000 Hours / 5 Years

Voltage: AC200-240V flicker free  
LED: Citizen COB  
CRI: 80  
UGR: <19  
Rated output current: 350mA  
Beam Angle: 60°  
Protection Class: 1  
IK Rating: IK03  
Material: Aluminium  
Operating Temp: -20°C~45°C  
Storage Temp: -20°C~65°C  
Mounting: Surface mount

Diameter: 120mm  
Height: 144mm  
Weight: 840g

#### DRIVER:

Efficiency: 86%  
Power Factor: 0.9  
Rated input current: 0.15A  
Rated output current: 600mA  
Power tolerance: ±5%  
Short circuit protection  
Over voltage protection  
Over temperature protection  
Withstand voltage:  
IES File: Yes



**NB: All LED Surface mounted downlighter need to be protected on the primary side by circuit protection against power & voltage surges.**

### LED DOWNLIGHT - 35W

- SXX107/04 - Black
- SXX107/25 - White

These downlights have a traditional deep reflector (UGR<19) that provides a perfect combination of high light efficiency and comfortable lighting, without compromising on light performance (color rendering and color uniformity). It offers a wide range of options to create the desired ambience.

#### TECHNICAL DATA:

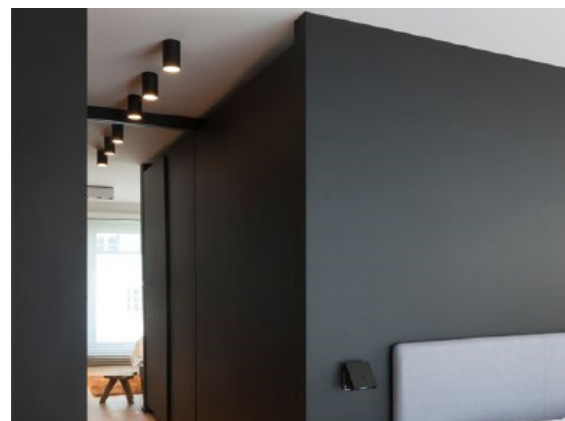
Wattage: 35W  
 CCT: 4000K  
 Luminous Flux: 3900lm  
 Dimmable: No  
 IP Rating: IP54  
 Average Lifespan: 50 000 Hours / 5 Years

Voltage: AC200-240V flicker free  
 LED: Citizen COB  
 CRI: 80  
 UGR: <22  
 Rated output current: 350mA  
 Beam Angle: 60°  
 Protection Class: 1  
 IK Rating: IK03  
 Material: Aluminium  
 Operating Temp: -20°C~45°C  
 Storage Temp: -20°C~65°C  
 Mounting: Surface mount

Diameter: 170mm  
 Height: 159mm  
 Weight: 1.45kg

#### DRIVER:

Efficiency: 86%  
 Power Factor: 0.9  
 Rated input current: 0.2A  
 Rated output current: 860mA  
 Power tolerance: ±5%  
 Short circuit protection  
 Over voltage protection  
 Over temperature protection  
 Withstand voltage:  
 IES Files: Yes



**NB: All LED Surface mounted downlighter need to be protected on the primary side by circuit protection against power & voltage surges.**



### LED DOWNLIGHT - 20W

SXX151/20W

This is a scoop design high quality COB downlight which can be spliced. ADC12 die-cast aluminium profile provides excellent thermal dissipation. Adjustable lighting direction provides all possible lighting effects. Isolated driver solution.

#### TECHNICAL DATA:

Wattage: 20W

CCT: 4000K

Luminous Flux: 1850lm

Dimmable: No

IP Rating: IP20

Average Lifespan: 50 000 Hours/ 5 Years

Voltage: 200-240VAC Flicker free

LED: Citizen COB

CRI: 90

Power Factor: >0.9

Rated output current: 350mA

Beam Angle: 24°, 45°, 60°

Protection Class: II

Material: Aluminium

Operating Temp: -20°C~45°C

Storage Temp: -20°C~65°C

Mounting: Recessed

Length x Width: 145mm

Height: 107mm

Cut-out: 125 x 125mm

Weight: 600g

#### DRIVER:

Efficiency: 85%

Power Factor: 0.9

Rated input current: 0.13A

Rated output current: 500mA

Power tolerance: ±5%

Short circuit protection

Over voltage protection

Over temperature protection

Withstand voltage:

IES Files: YES



### LED DOWNLIGHT - 35W

SXX151/35W

This is a scoop design high quality COB downlight which can be spliced. ADC12 die-cast aluminium profile provides excellent thermal dissipation. Adjustable lighting direction provides all possible lighting effects. Isolated driver solution.

#### TECHNICAL DATA:

Wattage: 35W  
CCT: 4000K  
Luminous Flux: 3400lm  
Dimmable: No  
IP Rating: IP20  
Average Lifespan: 50 000 Hours/ 5 Years  
Voltage: 200-240VAC Flicker free  
LED: Citizen COB  
CRI: 90  
Power Factor: >0.9  
Rated output current: 350mA  
Beam Angle: 24°, 45°, 60°  
Protection Class: II  
Material: Aluminium  
Operating Temp: -20°C~45°C  
Storage Temp: -20°C~65°C  
Mounting: Recessed

Length x Width: 180mm  
Height: 129mm  
Cut-out: 165 x 165mm  
Weight: 1.07kg

#### DRIVER:

Efficiency: 84%  
Power Factor: 0.9  
Rated input current: 0.2A  
Rated output current: 800mA  
Power tolerance: ±5%  
Short circuit protection  
Over voltage protection  
Over temperature protection  
Withstand voltage:  
IES Files: YES



### LED DOWNLIGHT - 25W

SXX150/25W

This is a recessed commercial downlight which can achieve modular splicing. It adopts 9 citizen COB chip and has a high reflective rate. ADC12 Aluminum heat sink with multiple layers provides excellent thermal management. The module can be adjusted from any direction to 30 degrees, practical for accent lighting and decorative lighting.

#### TECHNICAL DATA:

Wattage: 25W

CCT: 4000K

Luminous Flux: 2400lm

Dimmable: No

IP Rating: IP20

Average Lifespan: 50 000 Hours/ 5 Years

Voltage: 200-240VAC Flicker free

LED: Citizen COB

CRI: 80

Power Factor: >0.9

Beam Angle: 15°, 24°, 36°

Protection Class: II

Material: Aluminium

Operating Temp: -20°C~40°C

Storage Temp: -20°C~65°C

Mounting: Recessed

Length x Width: 175mm

Height: 110mm

Cut-out: 150-160 x 150-160mm

Weight: 0.83g

#### DRIVER:

Efficiency: 85%

Power Factor: 0.9

Rated input current: 0.13A

Rated output current: 650mA

Power tolerance: ±5%

Short circuit protection

Over voltage protection

Over temperature protection

Withstand voltage:

IES Files: YES



### LED DOWNLIGHT - 35W

SXX150/35W

This is a recessed commercial downlight which can achieve modular splicing. It adopts 9 citizen COB chip and 9 has a high reflective rate. ADC12 Aluminum heat sink with multiple layers provides excellent thermal management. The module can be adjusted from any directions to 30 degrees, practical for accent lighting and decorative lighting.

#### TECHNICAL DATA:

Wattage: 35W

CCT: 4000K

Luminous Flux: 3400lm

Dimmable: No

IP Rating: IP20

Average Lifespan: 50 000/ 5 Years

Voltage: 200-240VAC

LED: Citizen COB

CRI: 80

Power Factor: >0.9

Beam Angle: 15°, 24°, 36°

Protection Class: II

Material: Aluminium

Operating Temp: -20°C~40°C

Storage Temp: -20°C~65°C

Mounting: Recessed

Length x Width: 175mm

Height: 110mm

Cut-out: 150-160 x 150-160mm

Weight: 0.83g

#### DRIVER:

Efficiency: 85%

Power Factor: 0.9

Rated input current: 0.18A

Rated output current: 850mA

Power tolerance: ±5%

Short circuit protection

Over voltage protection

Over temperature protection

Withstand voltage:

IES Files: YES



### JIN650

Fire Rated GU10 Downlight Anti Glare

- Professional fire protection design
- 90 minutes fire rated test standard BS476
- High quality bezel
- Fitting has cooling holes at the bottom to effectively dissipate heat
- In case of fire, holes will be sealed to stop fire from spreading into the ceiling
- Lamps are easy to replace

Light Source: GU10 Lamps - Suitable for 5.5W LED GU10

Voltage: 220V/230V ~ 50Hz

Lamp Body Material: Aluminum Alloy

IP Rating: IP65

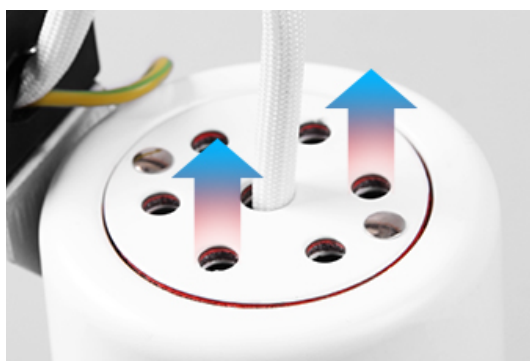
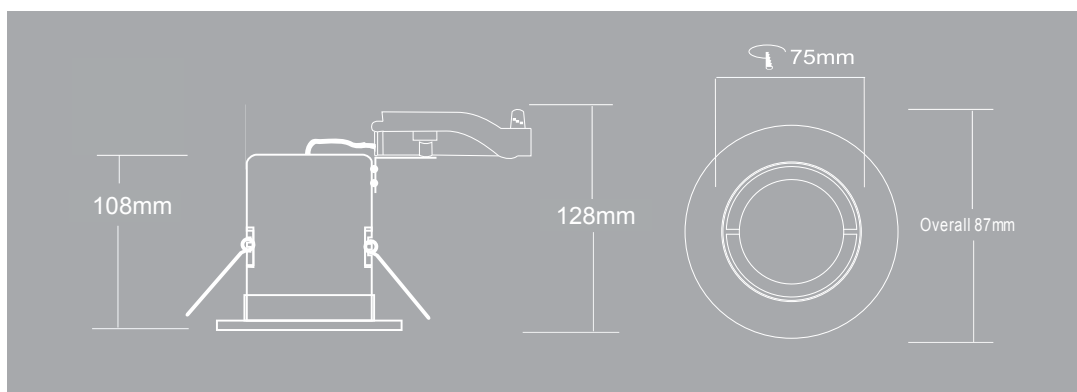
Certification: CE, EMC, LVD, RoHS, REACH, VDE

Warranty: 2 Years

Lampholder: GU10

Diameter: 87mm

Cut-out: 75mm



### JIN655

Fire Rated GU10 Downlight

- Professional fire protection design
- 90 minutes fire rated test standard BS476
- High quality bezel
- Fitting has cooling holes at the bottom to effectively dissipate heat
- In case of fire, holes will be sealed to stop fire from spreading into the ceiling
- Lamps are easy to replace

Light Source: GU10 Lamps - Suitable for 5.5W LED GU10

Voltage: 220V/230V ~ 50Hz

Lamp Body Material: Aluminum Alloy

IP Rating: IP65

Certification: CE, EMC, LVD, RoHS, REACH, VDE

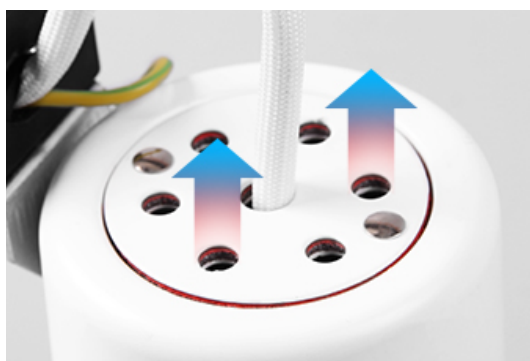
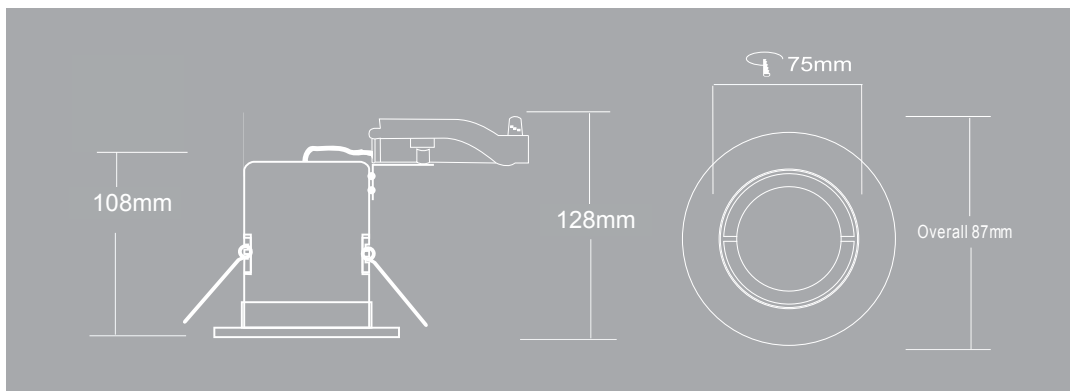
Warranty: 2 Years

Lampholder: GU10

Diameter: 87mm

Cut-out: 75mm

CRI: >90





### JIN235

Fire Rated LED Downlight Anti Glare

- Professional fire protection design
- 90 minutes fire rated test standard BS476
- High quality bezel

Wattage: 10.8W  
 Color Temperature(CCT): 3000K  
 Voltage: 220-240v  
 CRI (Ra>): 80  
 Base type: COB  
 Lifespan: 50 000Hrs  
 Certification: CE, EMC, GOST, LVD, REACH, VDE  
 LED Light Source: CITIZEN  
 IP Rating: IP65  
 Warranty: 5 Years  
 Diameter: 83mm  
 Cut-out: 68mm  
 Adjustable or Fixed: Fixed  
 Material: Aluminium  
 UGR: <14





### JIN212

Fire Rated LED Downlight

- Professional fire protection design
- 90 minutes fire rated test standard BS476
- High quality bezel

Wattage: 10.8W  
 Voltage: 220-240v  
 LED Light Source: CITIZEN  
 Lamp Luminous Flux(lm): 800  
 CRI (Ra>): 80  
 Lifespan: 50 000Hrs  
 Lamp Body Material: Aluminum  
 IP Rating: IP65  
 Certification: CE, EMC, LVD, RoHS, REACH, VDE  
 Light Source: LED  
 Lamp Luminous Efficiency(lm/w): 80  
 Color Temperature(CCT): 3000K  
 Diameter: 83mm  
 Cut-out: 68mm  
 Warranty: 5 years  
 UGR: <14







### JIN200

LED Downlight - Recessed  
Die-Cast Aluminium  
Dimmable  
40° Tilt  
White Body  
10W LED  
3000K  
Ra>90  
IP20  
Diameter: 103mm  
Cut-out: 95mm



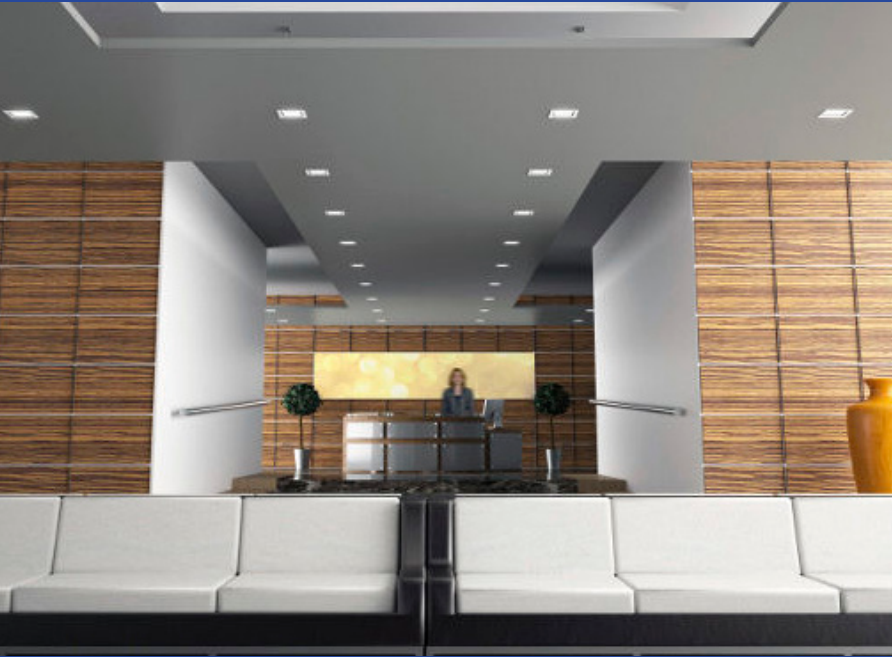
**AcTEC Dimmable LED Driver**

### JIN205

LED Downlight - Recessed  
Die-Cast Aluminium  
Non-Dimmable  
360° Adjustable & 90° Tilt  
White Body  
10W LED  
4000K  
Ra>90  
IP20  
Diameter: 130mm  
Cut-out: 110mm



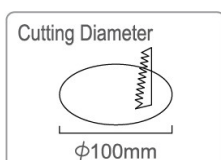
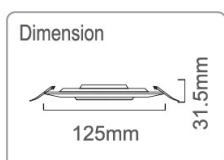
**AcTEC Non-Dimmable LED Driver**



### TLQ100 - 4000K TLQ101 - 3000K

Power: 6W  
480Lm  
80 Lumen per Watt  
Diameter: 125mm  
Depth: 31.5mm  
Cut-out:  $\phi$ 100mm

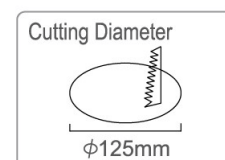
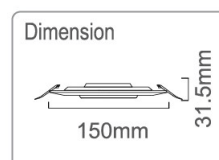
Input Voltage: AC180V - 265V, 50/60Hz  
Operating Temperature:  $-10^{\circ}\text{C}$  to  $+45^{\circ}\text{C}$   
Retro built-in high efficiency driver  
Connection: Push-in connector  
Beam Angle:  $120^{\circ}$   
86% Energy Saving  
Robust Design  
50 000Hr Average Lifespan  
5 Year Warranty  
Anti-Glare Diffuser  
PF:  $>0.9$



### TLQ105 - 4000K TLQ106 - 3000K

Power: 10W  
850Lm  
85 Lumen per Watt  
Diameter: 150mm  
Depth: 31.5mm  
Cut-out:  $\phi$ 125mm

Input Voltage: AC180V - 265V, 50/60Hz  
Operating Temperature:  $-10^{\circ}\text{C}$  to  $+45^{\circ}\text{C}$   
Retro built-in high efficiency driver  
Connection: Push-in connector  
Beam Angle:  $120^{\circ}$   
86% Energy Saving  
Robust Design  
50 000Hr Average Lifespan  
5 Year Warranty  
Anti-Glare Diffuser  
PF:  $>0.9$

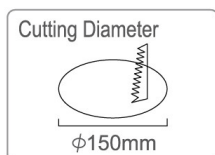
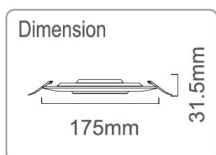




### TLQ110 - 4000K TLQ111 - 3000K

Power: 15W  
1350Lm  
90 Lumen per Watt  
Diameter: 175mm  
Depth: 31.5mm  
Cut-out:  $\phi$ 150mm

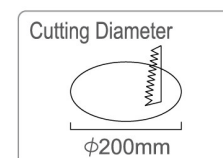
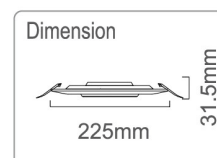
Input Voltage: AC180V - 265V, 50/60Hz  
Operating Temperature:  $-10^{\circ}\text{C}$  to  $+45^{\circ}\text{C}$   
Retro built-in high efficiency driver  
Connection: Push-in connector  
Beam Angle:  $120^{\circ}$   
86% Energy Saving  
Robust Design  
50 000Hr Average Lifespan  
5 Year Warranty  
Anti-Glare Diffuser  
PF:  $>0.9$



### TLQ115 - 4000K TLQ116 - 3000K

Power: 22W  
2090Lm  
95 Lumen per Watt  
Diameter: 225mm  
Depth: 31.5mm  
Cut-out:  $\phi$ 200mm

Input Voltage: AC180V - 265V, 50/60Hz  
Operating Temperature:  $-10^{\circ}\text{C}$  to  $+45^{\circ}\text{C}$   
Retro built-in high efficiency driver  
Connection: Push-in connector  
Beam Angle:  $120^{\circ}$   
86% Energy Saving  
Robust Design  
50 000Hr Average Lifespan  
5 Year Warranty  
Anti-Glare Diffuser  
PF:  $>0.9$

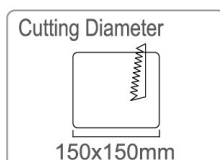
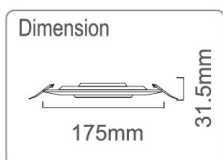




### TLQ135

Power: 15W  
 4000K / 1350Lm  
 90 Lumen per Watt  
 Length x Width: 175 x 175mm  
 Depth: 31.5mm  
 Cut-out: 150 x 150mm

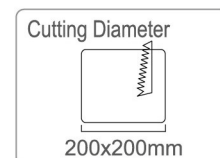
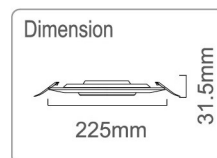
Input Voltage: AC180V - 265V, 50/60Hz  
 Operating Temperature: -10°C to +45°C  
 Retro built-in high efficiency driver  
 Connection: Push-in connector  
 Beam Angle: 120°  
 86% Energy Saving  
 Robust Design  
 50 000Hr Average Lifespan  
 5 Year Warranty  
 Anti-Glare Diffuser  
 PF: >0.9



### TLQ145

Power: 22W  
 4000K / 2090Lm  
 95 Lumen per Watt  
 Length x Width: 225 x 225mm  
 Depth: 31.5mm  
 Cut-out: 200 x 200mm

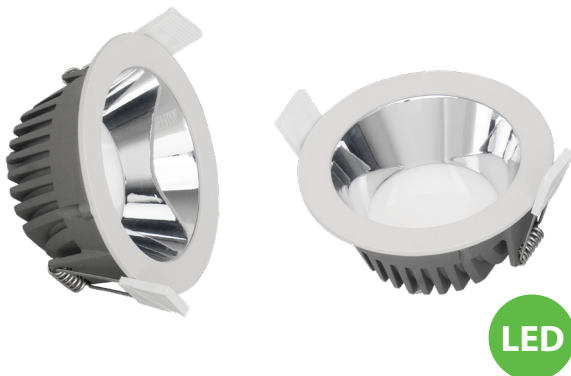
Input Voltage: AC180V - 265V, 50/60Hz  
 Operating Temperature: -10°C to +45°C  
 Retro built-in high efficiency driver  
 Connection: Push-in connector  
 Beam Angle: 120°  
 86% Energy Saving  
 Robust Design  
 50 000Hr Average Lifespan  
 5 Year Warranty  
 Anti-Glare Diffuser  
 PF: >0.9





### SCL702

9W SMD LED Downlight  
White trim with polished silver reflector  
Chip: Bridgelux  
Driver: Lifud - Non Flicker  
Lifespan: 50,000 hours  
Colour Temperature: 4000K  
Lumens per Watt: 100Lm/W  
CRI: >80  
Beam Angle: 70°  
Cut-out: 90mm  
Class II  
IP20



### SCL703

15W SMD LED Downlight  
White trim with polished silver reflector  
Chip: Bridgelux  
Driver: Lifud - Non Flicker  
Lifespan: 50,000 hours  
Colour Temperature: 4000K  
Lumens per Watt: 100Lm/W  
CRI: >80  
Beam Angle: 70°  
Cut-out: 105mm  
Class II  
IP20





### SCL704

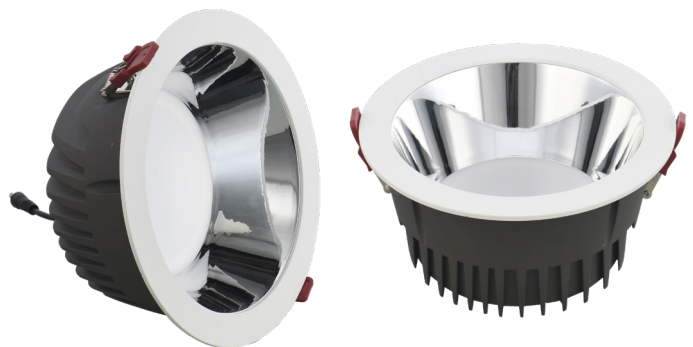
25W SMD LED Downlight  
White trim with polished silver reflector  
Chip: Bridgelux  
Driver: Lifud - Non Flicker  
Lifespan: 50,000 hours  
Colour Temperature: 4000K  
Lumens per Watt: 100Lm/W  
CRI: >80  
Beam Angle: 70°  
Cut-out: 165mm  
Class II  
IP20



LED

### SCL705

35W SMD LED Downlight  
White trim with polished silver reflector  
Chip: Bridgelux  
Driver: Lifud - Non Flicker  
Lifespan: 50,000 hours  
Colour Temperature: 4000K  
Lumens per Watt: 100Lm/W  
CRI: >80  
Beam Angle: 70°  
Cut-out: 200mm  
Class II  
IP20



LED



### Pure Aluminium Downlights

#### **KK112**

CNC Fixed Downlight  
Pure Aluminium  
50W MR16 / GU10  
Diameter: 79mm  
Cut-out: 60mm



#### **KK113**

CNC Tilt Downlight  
Pure Aluminium  
50W MR16 / GU10  
Diameter: 82mm  
Cut-out: 68mm



#### **KK114**

CNC Fixed Downlight  
Pure Aluminium  
50W MR16 / GU10  
Diameter: 93mm  
Cut-out: 75mm



#### **KK115**

CNC Tilt Downlight  
Pure Aluminium  
50W MR16 / GU10  
Diameter: 93mm  
Cut-out: 75mm



### **WXX100 - 3000K**

### **WXX101 - 4000K**

Adjustable LED downlighter - Round

Body: White non-corrosive plastic

Lifespan: 20 000 - 25 000Hrs

Recessed

7W - Output: 6.5W

230V

IP20

500 Lumen

Beam Angle: 38°

Diameter: Ø 95mm

Cut-out: 75mm

Depth: 47mm

**NON DIMMABLE**



### **WXX102 - 3000K - DIM**

### **WXX103 - 4000K - DIM**

Adjustable LED downlighter - Round

Body: White non-corrosive plastic

Lifespan: 20 000 - 25 000Hrs

Recessed

7W - Output: 6.5W

230V

IP20

500 Lumen

Beam Angle: 38°

Diameter: Ø 90mm

Cut-out: 75mm

Depth: 47mm

**DIMMABLE WITH SHUTTLE DIMMER**



### **WXX105 - 3000K**

### **WXX106 - 4000K**

Adjustable LED downlighter - Square

Body: White non-corrosive plastic

Lifespan: 20 000 - 25 000Hrs

Recessed

7W - Output: 6.5W

230V

IP20

500 Lumen

Beam Angle: 38°

Diameter: 95 x 95mm

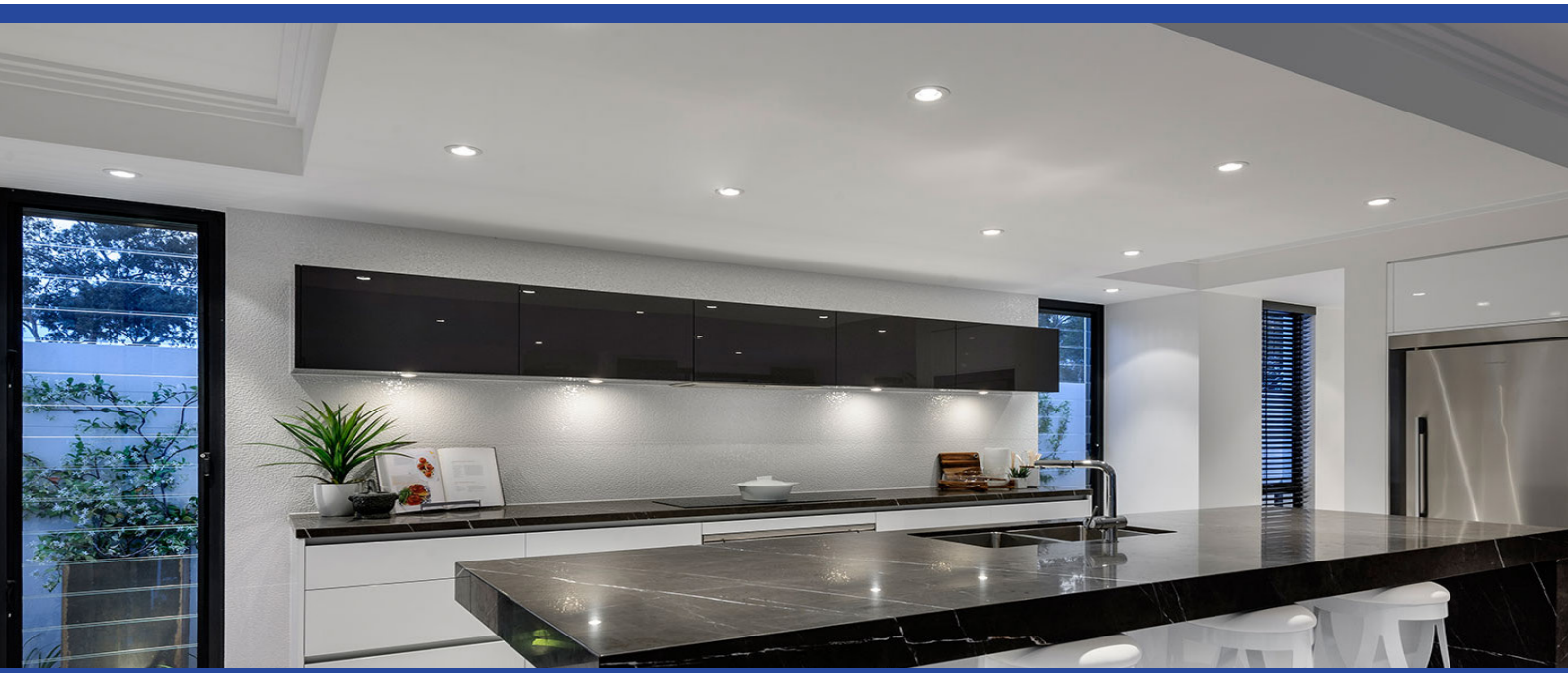
Cut-out: 75mm

Depth: 47mm

**NON DIMMABLE**







**WXX107 - 3000K - 12W**

**WXX108 - 4000K - 12W**

Adjustable LED downlighter - Round  
Body: Plastic coated aluminium+PMMA  
Average Lifespan: 25 000Hrs  
Flicker Free  
230V ~ 50/60Hz  
Power Factor: >0.5  
CRI: >80  
12W LED  
800 Lumen  
Beam Angle: 38°  
Diameter: 140mm  
Cut-out: 115mm  
Depth: 50mm  
IP40  
Non Dimmable



### WXX121/ 4000K WXX122/ 3000K

Input Voltage: 100-240V  
Power: 6W LED  
Flux: 380Lm  
CCT: 3000K, 4000K  
PF: >0.5  
Ra: 80  
Beam Angle: 120°  
Lifespan: 25 000Hr  
Diameter: 120mm  
Height: 23mm  
Cut-out: 110mm  
LGP: PMMA  
IP Rating: IP20  
Warranty: 1 Year



### WXX123/ 4000K WXX124/ 3000K

Input Voltage: 100-240V  
Power: 9W LED  
Flux: 600Lm  
CCT: 3000K, 4000K  
PF: >0.5  
Ra: 80  
Beam Angle: 120°  
Lifespan: 25 000Hr  
Diameter: 150mm  
Height: 23mm  
Cut-out: 135mm  
LGP: PMMA  
IP Rating: IP20  
Warranty: 1 Year



### WXX125/ 4000K WXX126/ 3000K

Input Voltage: 100-240V  
Power: 15W LED  
Flux: 1150Lm  
CCT: 3000K, 4000K  
PF: >0.5  
Ra: 80  
Beam Angle: 120°  
Lifespan: 25 000Hr  
Diameter: 198mm  
Height: 23mm  
Cut-out: 180mm  
LGP: PMMA  
IP Rating: IP20  
Warranty: 1 Year



### WXX127/ 4000K WXX128/ 3000K

Input Voltage: 100-240V  
Power: 18W LED  
Flux: 1400Lm  
CCT: 3000K, 4000K  
PF: >0.5  
Ra: 80  
Beam Angle: 120°  
Lifespan: 25 000Hr  
Diameter: 225mm  
Height: 23mm  
Cut-out: 210mm  
LGP: PMMA  
IP Rating: IP20  
Warranty: 1 Year



### WXX129/ 4000K WXX130/ 3000K

Input Voltage: 100-240V  
Power: 24W LED  
Flux: 1800Lm  
CCT: 3000K, 4000K  
PF: >0.5  
Ra: 80  
Beam Angle: 120°  
Lifespan: 25 000Hr  
Diameter: 300mm  
Height: 23mm  
Cut-out: 282mm  
LGP: PMMA  
IP Rating: IP20  
Warranty: 1 Year



**KK1921**

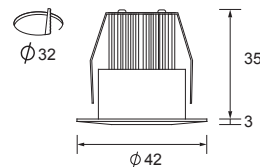
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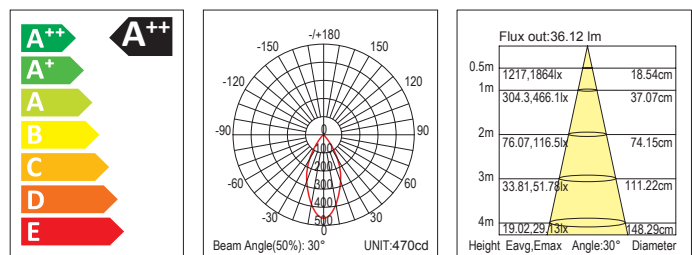
SAL

WH

Item No.	Color	Kelvin	Beam angle
KK1921	SAL/WH	3000K, 4000K	30°



General information:	
Item No.	KK1921
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	fixed
Housing material	aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
Total power	1.6W
Light technical:	
Input	DC350mA 3V
Type of lamps	SMD3030
Number of lamps	1
Rated power	1W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K / 4000K
Total luminous flux	90lm
Rated luminous flux in 90°	85lm
Luminous efficacy	74.7 Lm/W
Beam angle	30°
Light intensity	470cd
Electrical:	
Power supply	KLP350-3, external
Power supply included	Yes
Supply voltage	AC100-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.5
Warm-up time to 95% (s)	0.001
Power factor	0.5
Energy class	A++



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010

EN 55015:2013  
 EN 61547:2009  
 EN 61000-3-2:2014  
 EN 61000-3-3:2013

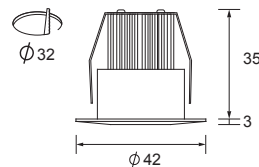
EN61347-1:2008+A1:2011+A2:2013  
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KK1922

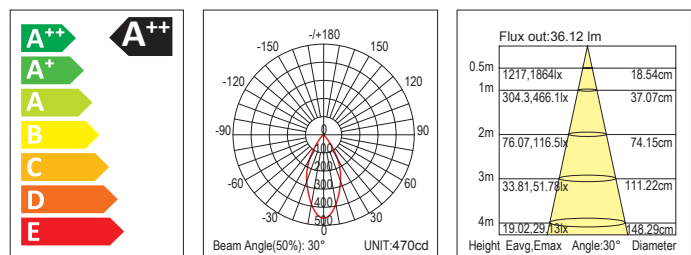
LED



Item No.	Color	Kelvin	Beam angle
KK1922	WH	4000K	30°



General information:	
Item No.	KDL1007-350
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	fixed
Housing material	aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
Total power	1.6W
Light technical:	
Input	DC350mA 3V
Type of lamps	SMD3030
Number of lamps	1
Rated power	1W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	90lm
Rated luminous flux in 90°	85lm
Luminous efficacy	74.7 Lm/W
Beam angle	30°
Light intensity	470cd
Electrical:	
Power supply	KLP350-3, external
Power supply included	Yes
Supply voltage	AC100-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.5
Warm-up time to 95% (s)	0.001
Power factor	0.5
Energy class	A++



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010  
 EN 55015:2013  
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KK1923

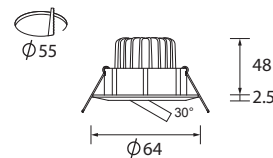
LED



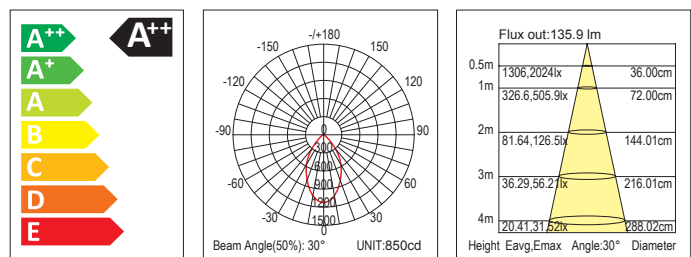
MAL



Item No.	Color	Kelvin	Beam angle
KK1923	MAL	3000K	38°



General information:	
Item No.	KK1924
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	4.3W
Light technical:	
Input	DC350mA 9V
Type of lamps	COB
Number of lamps	1
Rated power	3.1W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	300lm
Rated luminous flux in 90°	290lm
Luminous efficacy	97 Lm/W
Beam angle	38°
Light intensity	850cd
Electrical:	
Power supply	KLP350x3, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.0001
Warm-up time to 95% (s)	0.001
Power factor	0.5
Energy class	A++



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010  
 EN 55015:2013  
 EN 61547:2009  
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**KK1924**

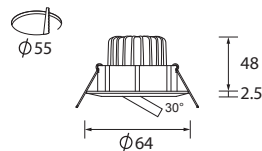
**LED**



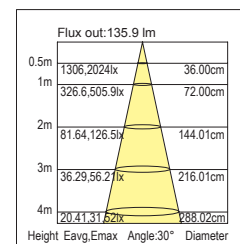
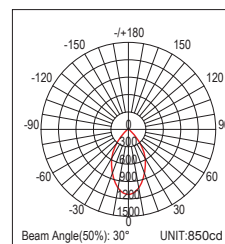
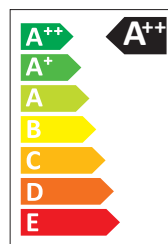
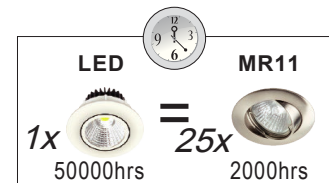
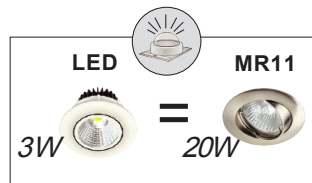
MAL



Item No.	Color	Kelvin	Beam angle
KK1924	MAL	4000K	38°



General information:	
Item No.	KK1924
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	4.3W
Light technical:	
Input	DC350mA 9V
Type of lamps	COB
Number of lamps	1
Rated power	3.1W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	4000K
Total luminous flux	300lm
Rated luminous flux in 90°	290lm
Luminous efficacy	97 Lm/W
Beam angle	38°
Light intensity	850cd
Electrical:	
Power supply	KLP350x3, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.0001
Warm-up time to 95% (s)	0.001
Power factor	0.5
Energy class	A++



### Approval Marks

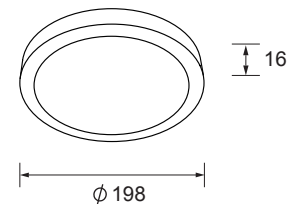
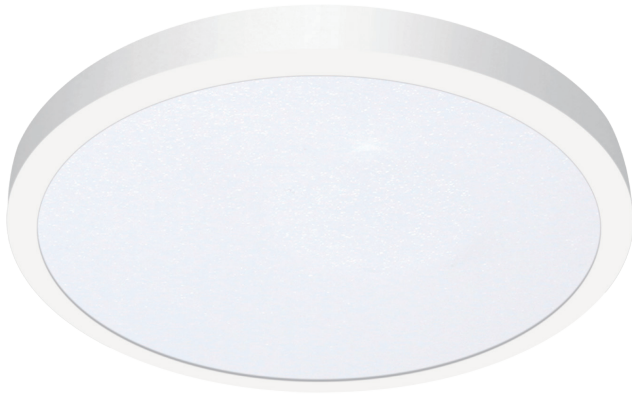


### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
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 EN 55015:2013  
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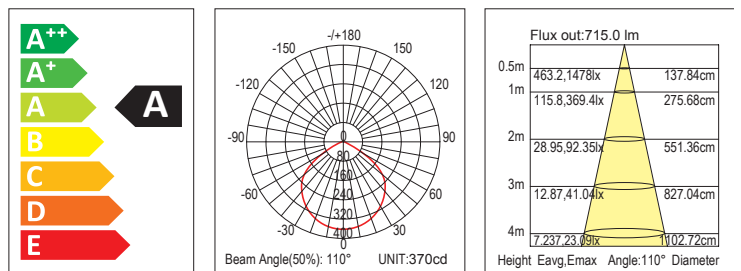
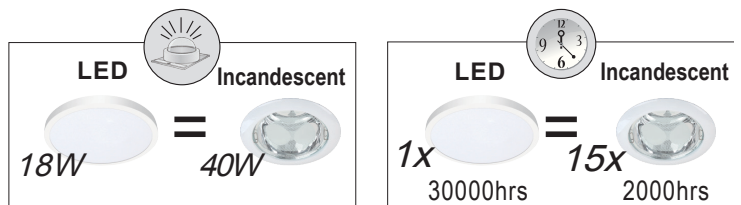
### KK1917

LED



Item No.	Color	Kelvin	Beam angle
KK1917	MWH	4000K	110°

General information:	
Item No.	KK1917
Product family code	LED down light
Installation type	surface-mounted
Shape	round
Adjustable	fixed
Housing material	ABS
IP code	IP20
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
Total power	18.6W
Light technical:	
Input	AC220-240V
Type of lamps	SMD2835
Number of lamps	80
Rated power	18W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	4000K
Total luminous flux	1000lm
Rated luminous flux in 120°	800lm
Luminous efficacy	53.9 Lm/W
Beam angle	110°
Light intensity	370cd
Electrical:	
Power supply	KLP18-60L, internal
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.06
Warm-up time to 95% (s)	0.05
Power factor	0.5
Energy class	A



### Approval Marks



### Applied

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010  
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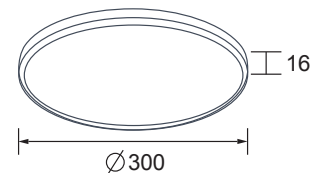
KK1918

LED

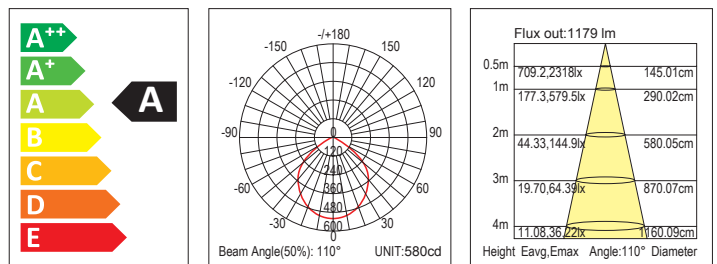
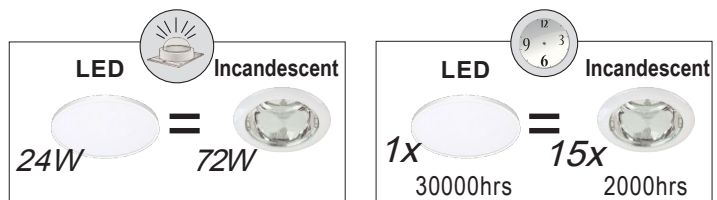


Available in Black and White Options

Item No.	Color	Kelvin	Beam angle
KK1918	MWH	4000K	110°
KK1918/04	BLK	4000K	110°



General information:	
Item No.	KK1918
Product family code	LED Down Light
Installation type	recessed
Shape	round
Adjustable	fixed
Housing material	ABS
IP code	IP20
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	<b>30 000 Hours</b>
Total power	23.9W
Light technical:	
Input	AC220-240
Type of lamps	SMD2835
Number of lamps	160
Rated power	24W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	4000K
Total luminous flux	1600lm
Rated luminous flux in 120°	1300lm
Luminous efficacy	67.80 Lm/W
Beam angle	110°
Light intensity	580cd
Electrical:	
Power supply	KLP24-90L, internal
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.5
Warm-up time to 95% (s)	0.53
Power factor	0.5
Energy class	A



### Approval Marks



### Applied

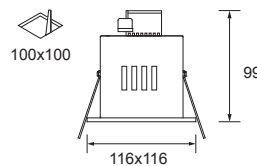
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KK1928

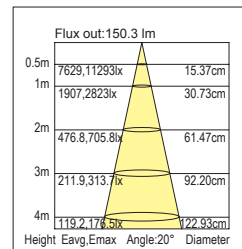
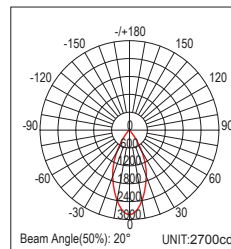
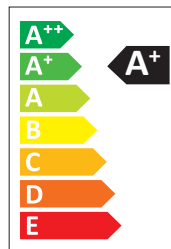
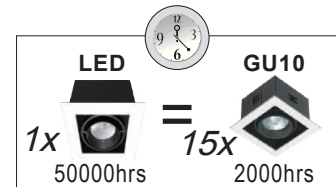
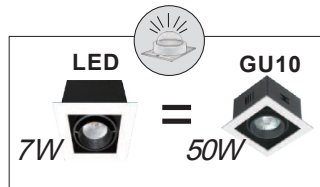
LED



Item No.	Color	Kelvin	Beam angle
KK1928	MWH/BK	3000K	20°



General information:	
Item No.	KK1928
Product family code	LED grille light
Installation type	recessed
Shape	square
Adjustable	versatile 30°
Housing material	iron
IP code	IP20
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	50,000 hours
Total power	7W
Light technical:	
Input	AC220-240V
Type of lamps	COB
Number of lamps	1
Rated power	7W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	520lm
Rated luminous flux in 90°	520lm
Luminous efficacy	81 Lm/W
Beam angle	20°
Light intensity	2700cd
Electrical:	
Power supply	KLP7-120BP, internal
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.045
Warm-up time to 95% (s)	0.048
Power factor	0.5
Energy class	A+



### Approval Marks



### Certified

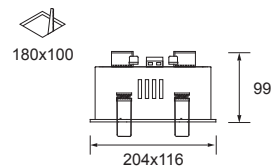
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KK1929

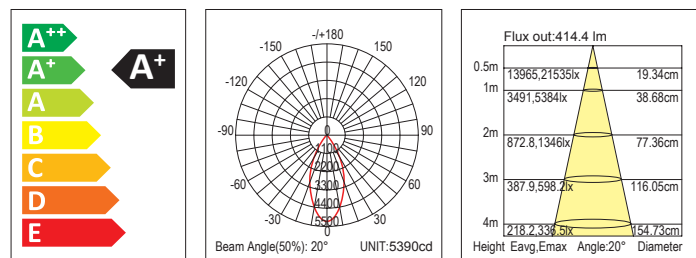
LED



Item No.	Color	Kelvin	Beam angle
KK1929	MWH/BK	3000K	20°



General information:	
Item No.	KK1929
Product family code	LED grille light
Installation type	recessed
Shape	square
Adjustable	versatile 30°
Housing material	iron
IP code	IP20
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	50,000 hours
Total power	14.2W
Light technical:	
Input	AC220-240V
Type of lamps	COB
Number of lamps	2
Rated power	14W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	1050lm
Rated luminous flux in 90°	1040lm
Luminous efficacy	81 Lm/W
Beam angle	20°
Light intensity	5390cd
Electrical:	
Power supply	KLP7-120BP, internal
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.045
Warm-up time to 95% (s)	0.048
Power factor	0.5
Energy class	A+



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010

EN 55015:2013  
 EN 61547:2009  
 EN 61000-3-2:2014  
 EN 61000-3-3:2013

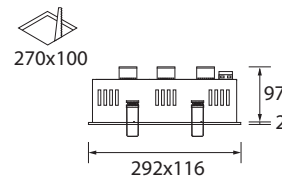
EN61347-1:2008+A1:2011+A2:2013  
 EN61347-2-13:2014

KK1925

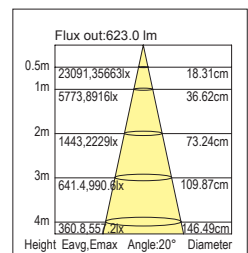
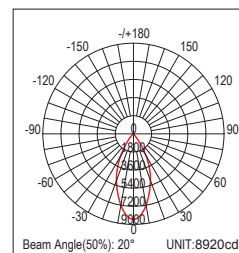
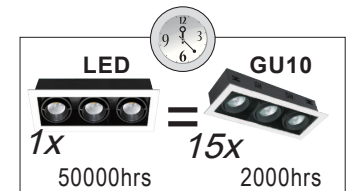
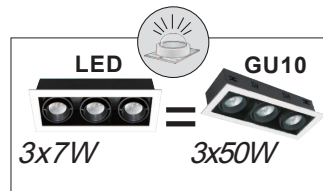
LED



Item No.	Color	Kelvin	Beam angle
KK1925	MWH/BK	3000K	20°



General information:	
Item No.	KK1925
Product family code	LED grille light
Installation type	recessed
Shape	square
Adjustable	versatile 30°
Housing material	iron
IP code	IP20
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	50,000 hours
Total power	20W
Light technical:	
Input	AC220-240V
Type of lamps	COB
Number of lamps	3
Rated power	21W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	1650lm
Rated luminous flux in 90°	1640lm
Luminous efficacy	82.5 Lm/W
Beam angle	20°
Light intensity	8920cd
Electrical:	
Power supply	KLP7-120BP, internal
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.5
Warm-up time to 95% (s)	0.52
Power factor	0.5
Energy class	A



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010

EN 55015:2013  
 EN 61547:2009  
 EN 61000-3-2:2014  
 EN 61000-3-3:2013

EN61347-1:2008+A1:2011+A2:2013  
 EN61347-2-13:2014

**KK1937**

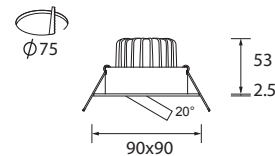
**LED**



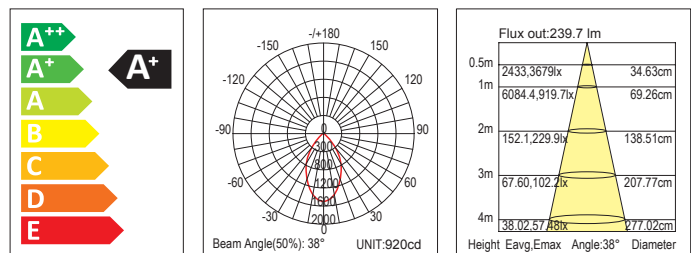
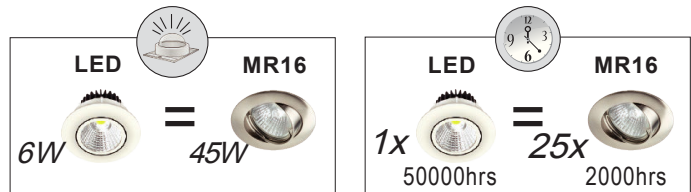
LAL/MAL



Item No.	Color	Kelvin	Beam angle
KK1937	LAL/MAL	3000K	38°



General information:	
Item No.	KK1937
Product family code	LED down light
Installation type	recessed
Shape	square
Adjustable	adjustable 20°
Housing material	aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	8.1W
Light technical:	
Input	DC350mA 36V
Type of lamps	COB
Number of lamps	1
Rated power	6.5W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	540lm
Rated luminous flux in 90°	510lm
Luminous efficacy	83 Lm/W
Beam angle	38°
Light intensity	920cd
Electrical:	
Power supply	KLP350x6B, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.35
Warm-up time to 95% (s)	0.352
Power factor	0.8
Energy class	A+



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010  
 EN 55015:2013  
 EN 61547:2009  
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 EN61347-1:2008+A1:2011+A2:2013  
 EN61347-2-13:2014

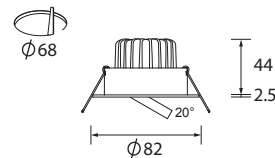
### KK1935

LED

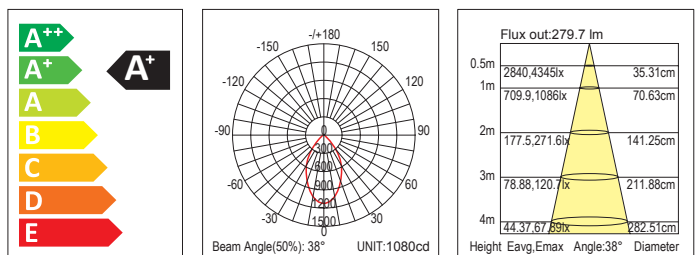


**6W**  
**50 000Hr**  
**650 Lumen**  
**3000K/4000K**

Item No.	Color	Kelvin	Beam angle
KK1935	MWH	3000K/4000K	38°



General information:	
Item No.	KK1935
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 20°
Housing material	aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	7.9W
Light technical:	
Input	DC350mA 18V
Type of lamps	COB
Number of lamps	1
Rated power	6.3W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K/4000K
Total luminous flux	650lm
Rated luminous flux in 90°	620lm
Luminous efficacy	103 Lm/W
Beam angle	38°
Light intensity	1080cd
Electrical:	
Power supply	KLP350x6B, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.35
Warm-up time to 95% (s)	0.352
Power factor	0.8
Energy class	A+



#### Approval Marks



#### Certified

EN 60598-1:2015	EN 55015:2013
EN 60598-2-2:2012	EN 61547:2009
EN 62031:2008/A1:2013	EN 61000-3-2:2014
EN 62471:2008	EN 61000-3-3:2013
EN 62493:2010	
EN61347-1:2008+A1:2011+A2:2013	
EN61347-2-13:2014	

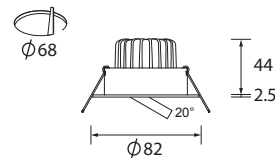
KK1935/Dim

LED

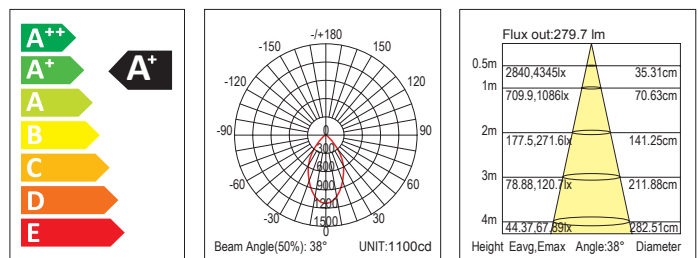


6W  
50 000Hr  
650 Lumen  
3000K

Item No.	Color	Kelvin	Beam angle
KK1935/DIM	MWH	3000K	38°



General information:	
Item No.	KK1935/DIM
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 20°
Housing material	aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	7.9W
Light technical:	
Input	DC350mA 18V
Type of lamps	COB
Number of lamps	1
Rated power	6.3W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	650lm
Rated luminous flux in 90°	620lm
Luminous efficacy	103 Lm/W
Beam angle	38°
Light intensity	1100cd
Electrical:	
Power supply	KLP350x9D, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	Yes
Switching cycles	25000
Starting time (s)	0.35
Warm-up time to 95% (s)	0.352
Power factor	0.9
Energy class	A+



### Approval Marks



### Certified

EN 60598-1:2015	EN 55015:2013
EN 60598-2-2:2012	EN 61547:2009
EN 62031:2008/A1:2013	EN 61000-3-2:2014
EN 62471:2008	EN 61000-3-3:2013
EN 62493:2010	

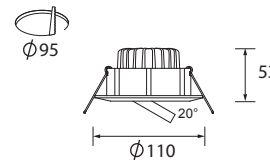
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KK1936

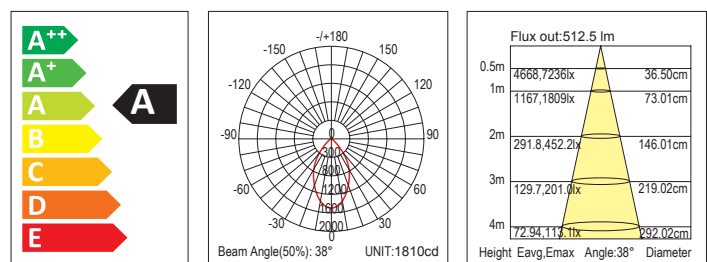
LED



Item No.	Color	Kelvin	Beam angle
KK1936	MWH	3000K/4000K	38°



General information:	
Item No.	KK1936
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 20°
Housing material	aluminium
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	15W
Light technical:	
Input	DC350mA 36V
Type of lamps	COB
Number of lamps	1
Rated power	12W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K/4000K
Total luminous flux	1000lm
Rated luminous flux in 90°	970lm
Luminous efficacy	78.9 Lm/W
Beam angle	38°
Light intensity	1810cd
Electrical:	
Power supply	KLP350-12, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.4
Warm-up time to 95% (s)	0.45
Power factor	0.5
Energy class	A



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010  
 EN 55015:2013  
 EN 61547:2009  
 EN 61000-3-2:2014  
 EN 61000-3-3:2013  
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 EN61347-2-13:2014



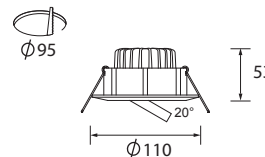
KK1936/DIM

LED

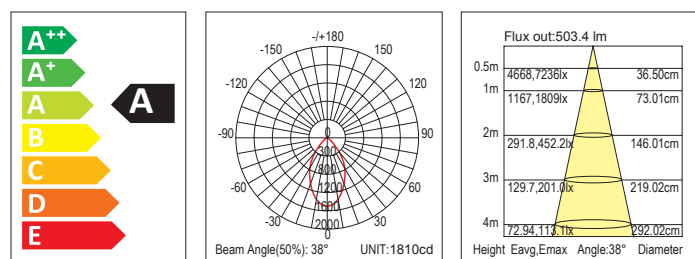


12W  
50 000Hr  
1050 Lumen  
3000K/4000K

Item No.	Color	Kelvin	Beam angle
KK1936/DIM	MWH	3000K/4000K	38°



General information:	
Item No.	KK1936
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 20°
Housing material	aluminium
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	14.9W
Light technical:	
Input	DC350mA 36V
Type of lamps	COB
Number of lamps	1
Rated power	12W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K/4000K
Total luminous flux	1050lm
Rated luminous flux in 90°	1040lm
Luminous efficacy	84.4 Lm/W
Beam angle	38°
Light intensity	1940cd
Electrical:	
Power supply	OTe 13/220-240/350 PC, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	Yes
Switching cycles	25000
Starting time (s)	0.24
Warm-up time to 95% (s)	0.274
Power factor	0.95
Energy class	A+



### Approval Marks



### Certified

EN 60598-1:2015  
EN 60598-2-2:2012  
EN 62031:2008/A1:2013  
EN 62471:2008  
EN 62493:2010  
EN 55015:2013  
EN 61547:2009  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN61347-1:2008+A1:2011+A2:2013  
EN61347-2-13:2014

KK1942

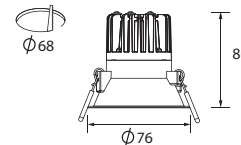
LED



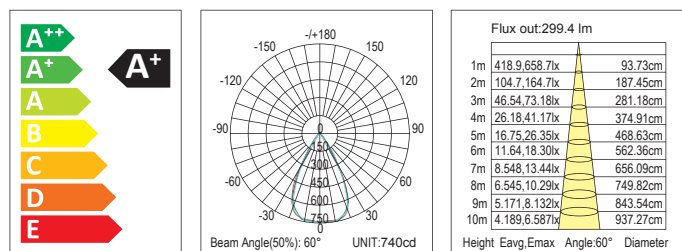
MWH



Item No.	Color	Kelvin	Beam angle
KK1942	MWH	3000K	60°
KK1942	MWH/BK	3000K	60°
KK1942	MWH/SL	3000K	60°
KK1942	MWH/CHA	3000K	60°



General information:	
Item No.	KK1942
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	fixed
Housing material	ABS
IP code	IP54
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated lifetime	L80B20/50000H, Ta=25°C(5 years)
Light technical:	
Input	AC220-240V
Type of lamps	COB
Number of lamps	1
Rated power	8W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	610lm
Rated luminous flux in 90°	580lm
Luminous efficacy	84.5 Lm/W
Beam angle	60°
Light intensity	740cd
Electrical:	
Power supply	KLP8-120D, external
Total power	7.2W
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50Hz
Safety class	class II
Dimmable	Yes
Switching cycles	25000
Starting time (s)	0.5
Warm-up time to 95% (s)	0.48
Power factor	0.9
Energy class	A



### Approval Marks



### Applied

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010

EN 55015:2013  
 EN 61547:2009  
 EN 61000-3-2:2014  
 EN 61000-3-3:2013

EN61347-1:2008+A1:2011+A2:2013  
 EN61347-2-13:2014

### KK1942



KK1942 Module

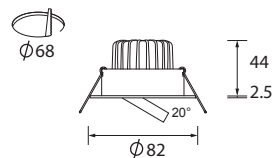


KK1947

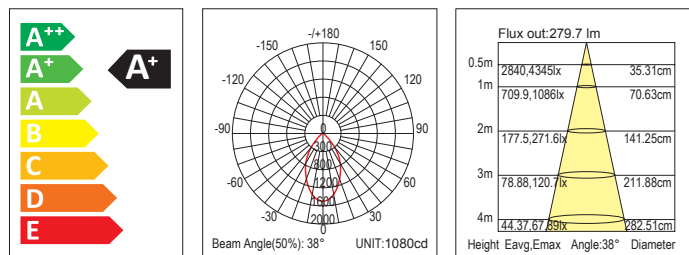
LED



Item No.	Color	Kelvin	Beam angle
KK1947	MAL	4000K	38°



General information:	
Item No.	KK1947
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 20°
Housing material	aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	7.9W
Light technical:	
Input	DC350mA 18V
Type of lamps	COB
Number of lamps	1
Rated power	6.3W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	4000K
Total luminous flux	650lm
Rated luminous flux in 90°	620lm
Luminous efficacy	103 Lm/W
Beam angle	38°
Light intensity	1080cd
Electrical:	
Power supply	KLP350x6B, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.35
Warm-up time to 95% (s)	0.352
Power factor	0.8
Energy class	A+



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010  
 EN 55015:2013  
 EN 61547:2009  
 EN 61000-3-2:2014  
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 EN61347-1:2008+A1:2011+A2:2013  
 EN61347-2-13:2014

**KK1948**

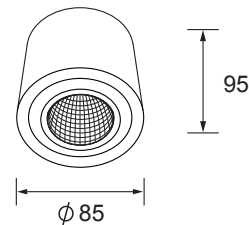
**LED**



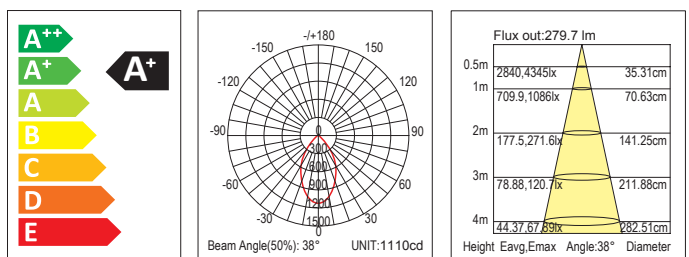
SWH



Item No.	Color	Kelvin	Beam angle
KK1948	SWH	3000K	38°



General information:	
Item No.	KK1948
Product family code	LED down light
Installation type	surface-mounted
Shape	round
Adjustable	versatile 30°
Housing material	aluminium
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	6.3W
Light technical:	
Input	AC100-240V
Type of lamps	COB
Number of lamps	1
Rated power	6W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	650lm
Rated luminous flux in 90°	620lm
Luminous efficacy	101 Lm/W
Beam angle	38°
Light intensity	1110cd
Electrical:	
Power supply	LSC6W350-Z UNI, internal
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class I
Dimmable	No
Switching cycles	25000
Starting time (s)	0.113
Warm-up time to 95% (s)	0.119
Power factor	0.9
Energy class	A+



### Approval Marks

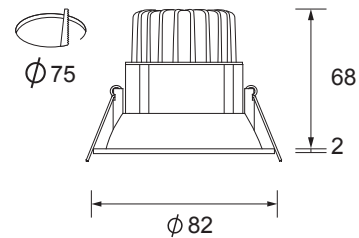


### Certified

EN 60598-1:2015	EN 55015:2013
EN 60598-2-2:2012	EN 61547:2009
EN 62031:2008/A1:2013	EN 61000-3-2:2014
EN 62471:2008	EN 61000-3-3:2013
EN 62493:2010	
EN61347-1:2008+A1:2011+A2:2013	
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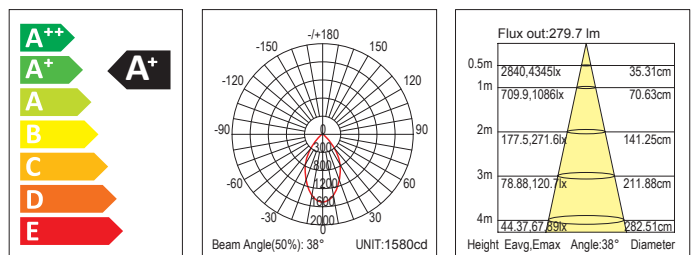
**KK1953**

**LED**



Item No.	Color	Kelvin	Beam angle
KK1953	MWH	3000K	38°

General information:	
Item No.	KK1953
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	fixed
Housing material	die-cast aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	11.1W
Light technical:	
Input	DC350mA 18V
Type of lamps	COB
Number of lamps	1
Rated power	9W
Color consistency	<3
Light source replaceable	No
Color rendering index(GRI)	>80
Lamp color temperature	3000K
Total luminous flux	760lm
Rated luminous flux in 90°	730lm
Luminous efficacy	82.2 Lm/W
Beam angle	38°
Light intensity	1580cd
Electrical:	
Power supply	KLP500-10, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.192
Warm-up time to 95% (s)	0.203
Power factor	0.5
Energy class	A+



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010  
 EN 55015:2013  
 EN 61547:2009  
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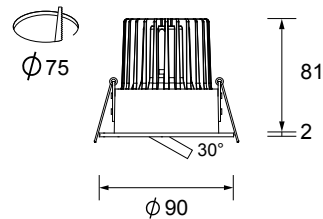
KK1963

LED

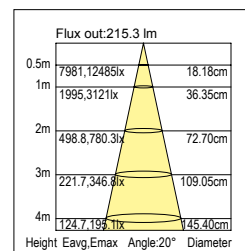
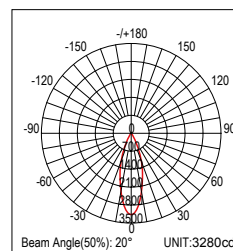
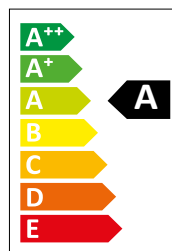
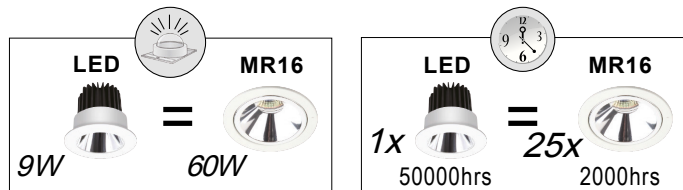


9W  
50 000Hr  
560 Lumen  
3000K

Item No.	Color	Kelvin	Beam angle
KK1963	MWH	3000K	20°



General information:	
Item No.	KK1963
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	die-cast aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	11.5W
Light technical:	
Input	DC500mA 18V
Type of lamps	COB
Number of lamps	1
Rated power	9W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	560lm
Rated luminous flux in 90°	550lm
Luminous efficacy	62.2 Lm/W
Beam angle	20°
Light intensity	3440cd
Electrical:	
Power supply	KLP500-10, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.087
Warm-up time to 95% (s)	0.155
Power factor	0.9
Energy class	A



### Approval Marks



### Certified

EN 60598-1:2015  
EN 60598-2-2:2012  
EN 62031:2008/A1:2013  
EN 62471:2008  
EN 62493:2010  
EN 55015:2013  
EN 61547:2009  
EN 61000-3-2:2014  
EN 61000-3-3:2013  
EN61347-1:2008+A1:2011+A2:2013  
EN61347-2-13:2014

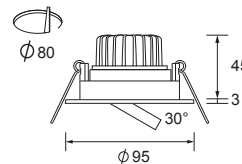
KK1964

LED

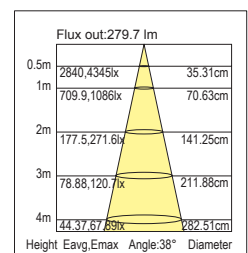
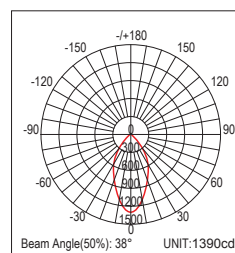
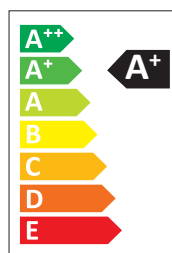
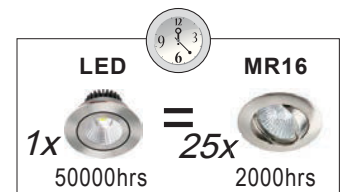
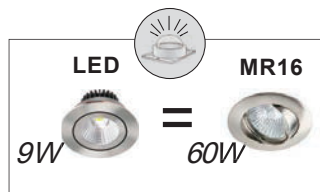


Soft line inner trim

Item No.	Color	Kelvin	Beam angle
KK1964	MWH	3000K	38°



General information:	
Item No.	KK1964
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	die-cast aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	11.5W
Light technical:	
Input	DC500mA 18V
Type of lamps	COB
Number of lamps	1
Rated power	9W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	820lm
Rated luminous flux in 90°	780lm
Luminous efficacy	90.4 Lm/W
Beam angle	38°
Light intensity	1390cd
Electrical:	
Power supply	KLP500-10, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.087
Warm-up time to 95% (s)	0.155
Power factor	0.9
Energy class	A+



### Approval Marks



### Certified

EN 60598-1:2015  
 EN 60598-2-2:2012  
 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010

EN 55015:2013  
 EN 61547:2009  
 EN 61000-3-2:2014  
 EN 61000-3-3:2013

EN61347-1:2008+A1:2011+A2:2013  
 EN61347-2-13:2014



### KK1966

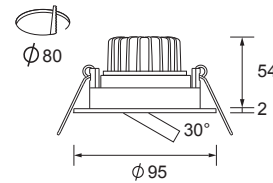
LED



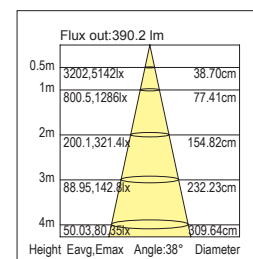
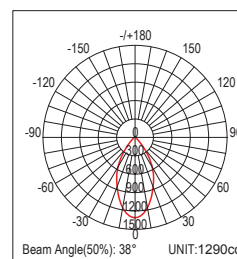
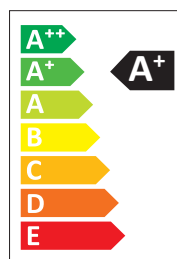
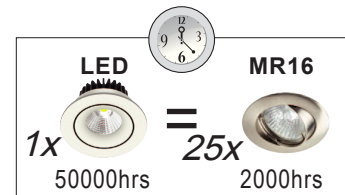
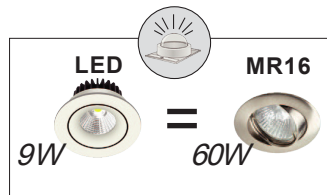
SWH



Item No.	Color	Kelvin	Beam angle
KK1966	SWH	3000K	38°



General information:	
Item No.	KK1966
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	die-cast aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	11.5W
Light technical:	
Input	DC500mA 18V
Type of lamps	COB
Number of lamps	1
Rated power	9W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	740lm
Rated luminous flux in 90°	700lm
Luminous efficacy	79.8 Lm/W
Beam angle	38°
Light intensity	1290cd
Electrical:	
Power supply	KLP500-10, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	No
Switching cycles	25000
Starting time (s)	0.4
Warm-up time to 95% (s)	0.45
Power factor	0.5
Energy class	A+



### Approval Marks



### Applied

- EN 60598-1:2015
- EN 60598-2-2:2012
- EN 62031:2008/A1:2013
- EN 62471:2008
- EN 62493:2010
- EN 61347-1:2008+A1:2011+A2:2013
- EN 61347-2-13:2014
- EN 55015:2013
- EN 61547:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2013

### KK1966/Dim

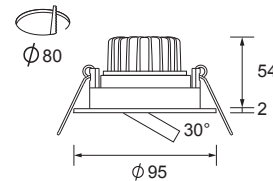
LED



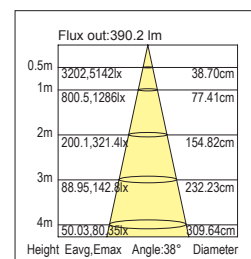
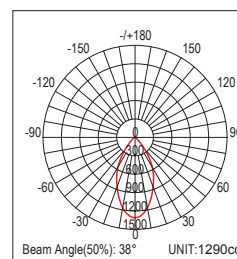
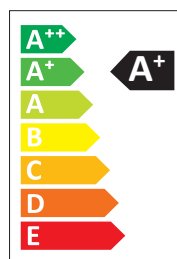
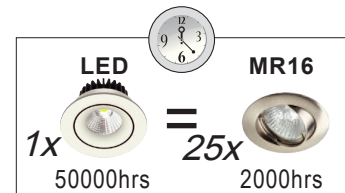
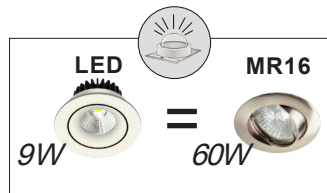
SWH



Item No.	Color	Kelvin	Beam angle
KK1966/DIM	SWH	3000K	38°



General information:	
Item No.	KK1966
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	die-cast aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	11.5W
Light technical:	
Input	DC500mA 18V
Type of lamps	COB
Number of lamps	1
Rated power	9W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K
Total luminous flux	740lm
Rated luminous flux in 90°	700lm
Luminous efficacy	79.8 Lm/W
Beam angle	38°
Light intensity	1290cd
Electrical:	
Power supply	KLP500-10, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	Yes
Switching cycles	25000
Starting time (s)	0.4
Warm-up time to 95% (s)	0.45
Power factor	0.5
Energy class	A+



#### Approval Marks

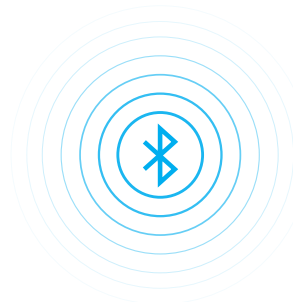


#### Applied

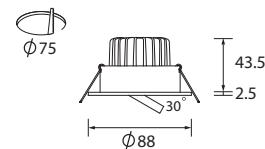
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 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010  
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 EN 61547:2009  
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### KK1934/BT

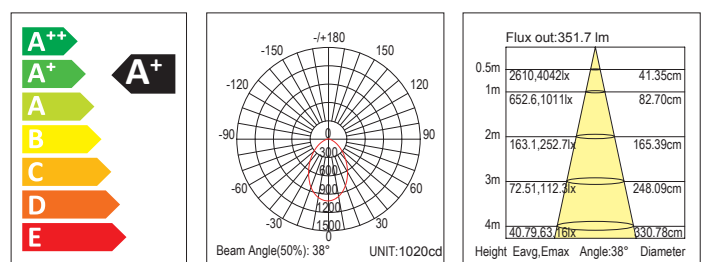
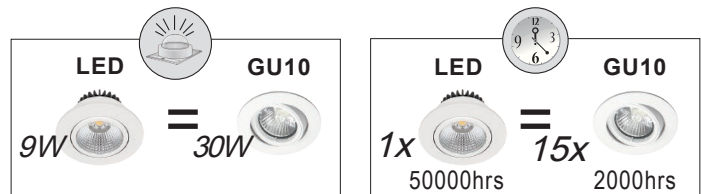
LED



Item No.	Color	Kelvin	Beam angle
KK1934/BT	MWH	2700-5000K	38°



General information:	
Item No.	KK1934/BT
Product family code	LED Down Light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	CNC aluminum
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	50,000 hours
Total power	11.5W
Light technical:	
Input	DC300mA 30V
Type of lamps	COB
Number of lamps	1
Rated power	9W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>90
Lamp color temperature	2700-5000K
Total luminous flux	730lm
Rated luminous flux in 120°	680lm
Luminous efficacy	81.0 Lm/W
Beam angle	38°
Light intensity	1020cd
Electrical:	
Power supply	KLP300-9BT2, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	Yes
Switching cycles	25000
Starting time (s)	0.5
Warm-up time to 95% (s)	0.49
Power factor	0.5
Energy class	A+



#### Approval Marks



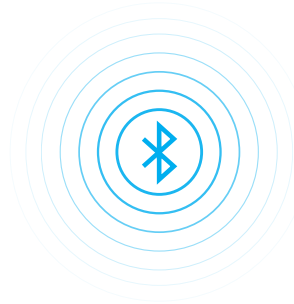
#### Applied

EN 60598-1:2015  
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 EN 62031:2008/A1:2013  
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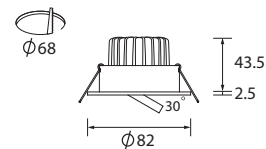
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### KK1935/BT

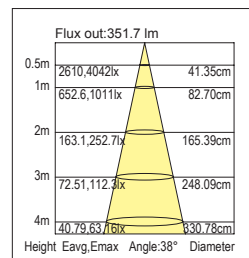
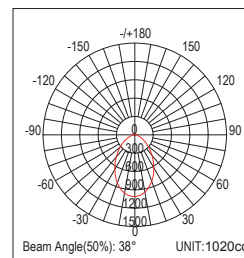
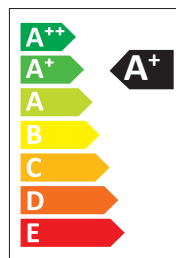
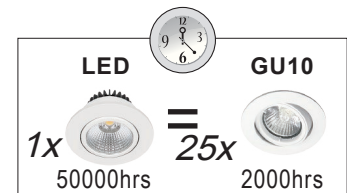
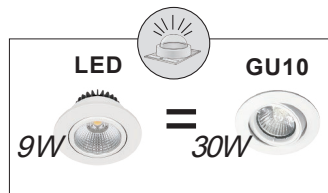
LED



Item No.	Color	Kelvin	Beam angle
KK1935/BT	MWH	2700-5000K	38°



General information:	
Item No.	KK1935/BT
Product family code	LED Down Light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	CNC aluminum
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C(5 Years)
Total power	11.5W
Light technical:	
Input	DC300mA 30V
Type of lamps	COB
Number of lamps	1
Rated power	9W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>90
Lamp color temperature	2700-5000K
Total luminous flux	730lm
Rated luminous flux in 120°	680lm
Luminous efficacy	81.0 Lm/W
Beam angle	38°
Light intensity	1020cd
Electrical:	
Power supply	KLP300-9BT2, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	Yes
Switching cycles	25000
Starting time (s)	0.5
Warm-up time to 95% (s)	0.49
Power factor	0.5
Energy class	A+



#### Approval Marks



#### Applied

EN 60598-1:2015  
EN 60598-2-2:2012  
EN 62031:2008/A1:2013  
EN 62471:2008  
EN 62493:2010

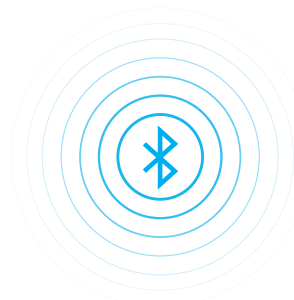
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EN61347-1:2008+A1:2011+A2:2013  
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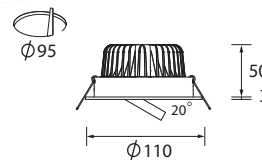
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KK1936/BT

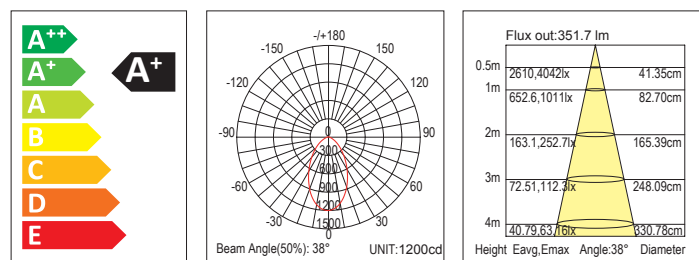
LED



Item No.	Color	Kelvin	Beam angle
KK1936/BT	MWH	2700-5000K	38°



General information:	
Item No.	KK1936/BT
Product family code	LED Down Light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	CNC aluminum
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	50,000 hours
Total power	11.5W
Light technical:	
Input	DC300mA 30V
Type of lamps	COB
Number of lamps	1
Rated power	9W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>90
Lamp color temperature	2700-5000K
Total luminous flux	700lm
Rated luminous flux in 120°	680lm
Luminous efficacy	77.51 Lm/W
Beam angle	38°
Light intensity	1200cd
Electrical:	
Power supply	KLP300-9BT2, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	Yes
Switching cycles	25000
Starting time (s)	0.5
Warm-up time to 95% (s)	0.49
Power factor	0.5
Energy class	A+



### Approval Marks



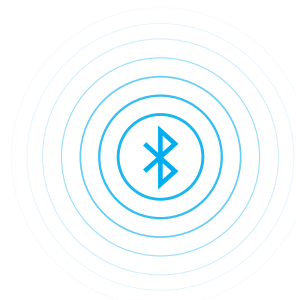
### Applied

EN 60598-1:2015  
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 EN 62031:2008/A1:2013  
 EN 62471:2008  
 EN 62493:2010  
 EN 55015:2013  
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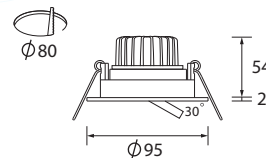
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KK1966/BT

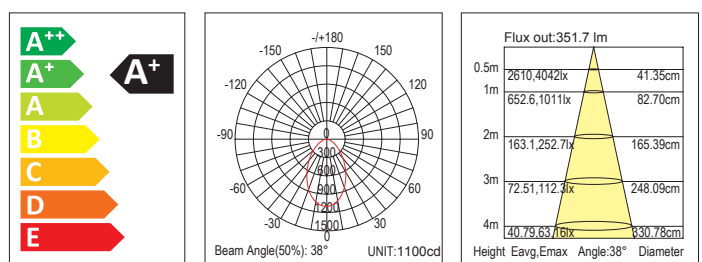
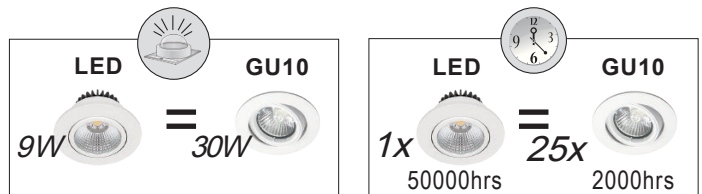
LED



Item No.	Color	Kelvin	Beam angle
KK1966/BT	MWH	2700-5000K	38°



General information:	
Item No.	KK1966/BT
Product family code	LED Down Light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	CNC aluminum
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	L80B20/50000H, Ta=25°C (5 years)
Total power	11.5W
Light technical:	
Input	DC300mA 30V
Type of lamps	COB
Number of lamps	1
Rated power	9W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>90
Lamp color temperature	2700-5000K
Total luminous flux	630lm
Rated luminous flux in 120°	590lm
Luminous efficacy	70.0 Lm/W
Beam angle	38°
Light intensity	1100cd
Electrical:	
Power supply	KLP300-9BT2, external
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	Yes
Switching cycles	25000
Starting time (s)	0.5
Warm-up time to 95% (s)	0.49
Power factor	0.5
Energy class	A+



Approval Marks					
Applied		EN 60598-1:2015	EN 55015:2013		
		EN 60598-2-2:2012	EN 61547:2009		
		EN 62031:2008/A1:2013	EN 61000-3-2:2014		
		EN 62471:2008	EN 61000-3-3:2013		
		EN 62493:2010			
		EN61347-1:2008+A1:2011+A2:2013			
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			IEC Code: KDL2137		

KK1997/BT

LED

### Constant Current LED Power Supply For Bluetooth Mesh 4.0

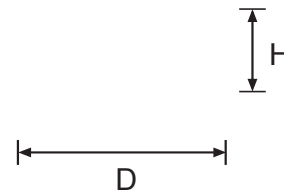
#### LED Power Supply

With high efficiency and reliability in small compact housing. Fits in light fixtures for office and shop lighting.



#### Applications

Downlights, Spotlights and other Indoor LED applications.



Dimensions: (DxH): 67X29mm

#### Product Features

- Housing material: PC
- Output currents : 300mA
- Output voltage : 27–32VDC
- Output power : 9W
- Input voltage : 220 – 240 VAC
- Typ. Efficiency : 79%
- Ambient temp range ta: -20°C to +50°C
- Max. case temperature at tc point: 80°C
- Galvanic isolation : 3kVrms
- Suitable for class I and II luminaires
- 30,000 h lifetime at tc = 80°C

#### Protections

- **Over temperature:** Automatic, reversible
- **Overload:** Automatic, reversible
- **No load:** Yes
- **Short-circuit:** Automatic, reversible
- **Input overvoltage:** Maximum allowed input voltage 275V AC
- **Output overvoltage:** Yes , Limitation of Output voltage < 35VDC

#### Approval Marks



### Electrical Specifications

	Item	Value	Unit	Remarks
INPUT	Nominal voltage	220-240	VAC	
	Nominal frequency	50	Hz	
	AC voltage range	198-264	VAC	Permitted voltage range
	Maximum voltage	275	V	2hrs
	Nominal current	120	mA	230V @ 9W load
	inrush current	25 , 80	A, $\mu$ s	
	Power factor	0.5		Full load, 230 V, 50 Hz
	Efficiency	79	%	Full load, 230 V, 50 Hz, typical
	No-load power	< 1	W	230V, typical
	Power loss	2.6	W	at 230V input @ 9.6W load max.
	Input power	12.2	W	at 230V input @ 9.6W load max.
	Protection class	II	II	Suitable for class I and class II luminaires
OUTPUT	Nominal voltage range	27-32	VDC	
	Nominal current range	300	mA	
	Current accuracy	+/- 10	%	
	Nominal power range	9	W	Partial Load
	Maximum power	9	W	$t_a \leq 50^\circ\text{C}$
	Galvanic isolation	SELV-equivalent		3 kVrms
DIMMING	Dimming control	Yes		Smart dimming - mobile APP control
	Dimming range	5-100	%	
ENVIRONMENT	Ambient temperature range $t_a$	-20 ... +50	$^\circ\text{C}$	
	Maximum case temperature $t_c$	80	$^\circ\text{C}$	Measured on $t_c$ point indicated on the product label.
	Max. case temp. in fault condition	110	$^\circ\text{C}$	
	Storage temperature range	-25 ... +75	$^\circ\text{C}$	Cool down before operating
	Relative humidity	5 ... 85	%	Not condensing
	Environmental rating	Indoor		
	IP rating	IP 20		
	Mains switching cycles	> 25,000		
	Expected lifetime	30,000	hrs	

### Standards

Safety: IEC 61347-1, IEC 61347-2-13  
 Radio interference: EN55015  
 Harmonic content: IEC 61000-3-2  
 Immunity: IEC 61000-3-3  
 IEC 61547

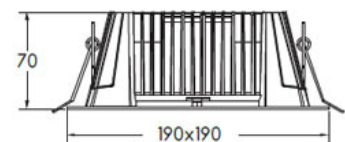


### MAN345

- Light source: MCOB
- high-quality die-cast aluminium body, performs well in cooling.
- Antiglare Reflector: professionally designed by TRACE-PRO according to the reflection theory, the light can perform at highest efficiency.
- Diffuser: cover by glass, at 100% transmission rate
- Remote constant current control driver with low power consumption.
- Available in dimmable or emergency mode.
- Output light: constant, without glare. Light consumption is less than 3% after 2000 hours of burning
- Beam angle: 48 degrees.
- Widely used for main lighting, suitable for shops, hotels, offices, showrooms etc.

Product Code	Voltage	LED Power	CRI	CCT	Lumen Output	Beam Angle	Dimensions (mm)	Cut Size (mm)
MAN345	AC100-240V	20W	≥80	● 6400K	1500lm	48°	190 x 190 x 69.5	172 x 172
MAN345	AC100-240V	20W	≥80	● 4000K	1400lm	48°	190 x 190 x 69.5	172 x 172
MAN345	AC100-240V	20W	≥80	● 3000K	1300lm	48°	190 x 190 x 69.5	172 x 172

LED

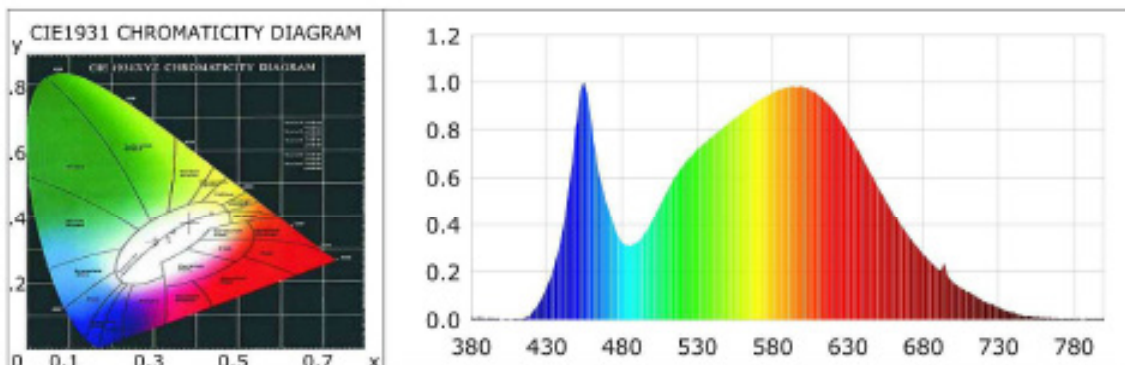


### MAN347

- Light source: SMD
  - Lamps shell adopts high-quality die-cast aluminium body, performs well in cooling.
  - Antiglare Reflector: professionally designed by TRACE-PRO according to the reflection theory, the light performs at highest efficiency.
  - Diffuser: cover by glass, at 100% transmission rate
  - Remote constant current control driver with low power consumption.
  - Output light: constant, without glare. Light consumption is less than 3% after 2000 hours of burning
  - Widely used for main lighting, suitable for shops, hotels, offices, exclusive shops, showrooms ect.
  - Body coatings: RAL9016 shining WH
  - Chip: CREE LED Chip
  - Driver: Philips
- 
- Material: Die-cast Aluminium
  - Voltage: 220-240V
  - Wattage: 35W 900mA
  - Lumen Output: 2800Lm
  - CCT: 4200K
  - CRI: >85
  - Beam angle: 67°
  - Cut Size: 220 x 130mm
  - Length: 230mm
  - Width: 145mm
  - Depth: 105mm
  - IP Rating: IP40

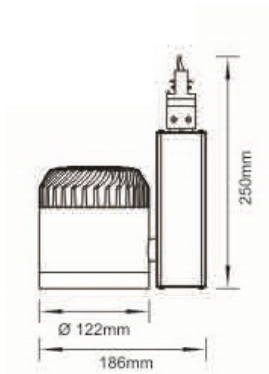


LED



### MAN330 LED Track Spot

Die-cast Aluminium Body  
 Black Finish  
 1 x 35W LED  
 220 - 240V  
 Lumen Output: 2950Lm  
 CCT: 4200K  
 CRI > 85  
 LED Driver Included  
 IP40  
 Width: 186mm  
 Diameter: 122mm  
 Height: 250mm  
 To be used with 4 wire track - **SCL400 Black Track**

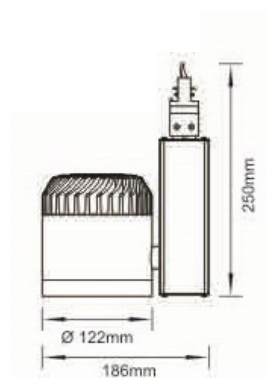


**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

### MAN331 LED Track Spot

- 2700K / Raw Lumens: 3350 / CRI: 90
- 3000K / Raw Lumens: 3490 / CRI: 90
- 3500K / Raw Lumens: 3340 / CRI: 90
- 4000K / Raw Lumens: 4400 / CRI: 80

Die-cast Aluminium Body  
 Black Finish  
 1 x 35W LED  
 220 - 240V, 50/60Hz  
 LED Driver Included  
 CRI >85  
 IP40  
 Width: 186mm  
 Diameter: 122mm  
 Height: 250mm  
 ta45°C  
 To be used with 4 wire track - **SCL400 Black Track**



**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

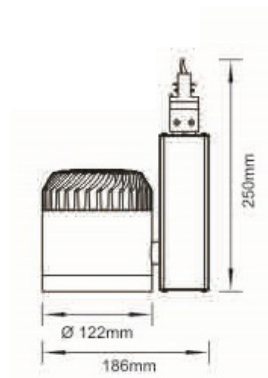
### MAN332 LED Track Spot

- 2700K / Raw Lumens: 3350 / CRI: 90
- 3000K / Raw Lumens: 3490 / CRI: 90
- 3500K / Raw Lumens: 3540 / CRI: 90
- 4000K / Raw Lumens: 4400 / CRI: 80

Die-cast Aluminium Body  
 White Finish  
 1 x 35W LED  
 220 - 240V, 50/60Hz  
 LED Driver Included  
 CRI >85  
 IP40  
 Width: 186mm  
 Diameter: 122mm  
 Height: 250mm

To be used with 4 wire track - **MAN361 White Track**

**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

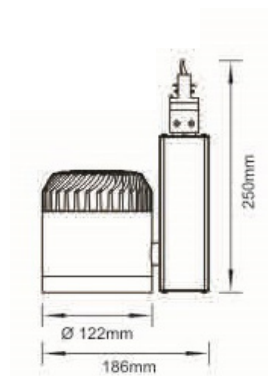


### MAN333 LED Track Spot

Die-cast Aluminium Body  
 White Finish  
 1 x 35W LED  
 220 - 240V  
 Lumen Output: 2600Lm  
 CCT: 3000K  
 CRI > 85  
 LED Driver Included  
 IP40  
 Width: 186mm  
 Diameter: 122mm  
 Height: 250mm

To be used with 4 wire track - **MAN361 White Track**

**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

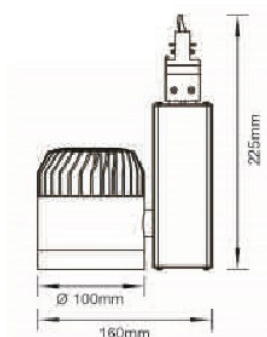


### MAN334 LED Track Spot

Die-cast Aluminium Body  
 White Finish  
 1 x 25W LED  
 220 - 240V  
 Lumen Output: 2300Lm  
 CCT: 4200K  
 CRI> 85  
 LED Driver Included  
 IP40  
 Width: 160mm  
 Diameter: 100mm  
 Height: 225mm

To be used with 4 wire track - **MAN361 White Track**

**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

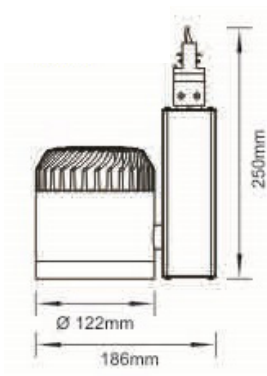


### MAN335 LED Track Spot

Die-cast Aluminium Body  
 Black Finish  
 1 x 35W LED  
 220 - 240V  
 Lumen Output: 2530Lm  
 CCT: 2800K  
 CRI> 85  
 LED Driver Included  
 IP40  
 Width: 186mm  
 Diameter: 122mm  
 Height: 250mm

To be used with 4 wire track - **SCL400 Black Track**

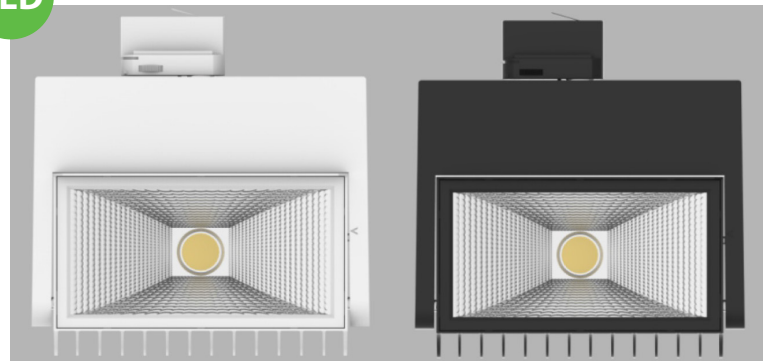
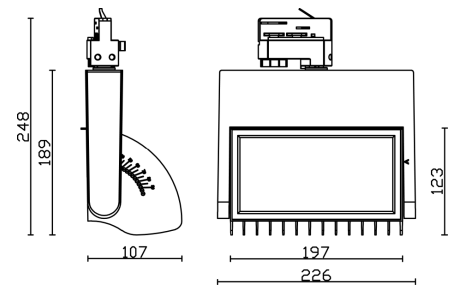
**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**



### TRACK MOUNTED LED SPOT

**MAN336 - Black**  
**MAN337 - White**

Material: Die -cast aluminium  
 Integrated LED  
 Voltage: 220-240V  
 Wattage: 1x40W  
 Lumen Output: 3420lm  
 CCT: 4000K  
 CRI: >80  
 LED Driver Included  
 IP Rating: 40  
 To be used with 4 wire track

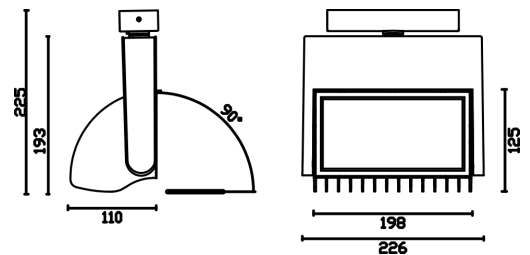


**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

### SURFACE MOUNTED LED SPOTS

**MAN401 - Black**  
**MAN402 - White**

Surface Mounted  
 Material: Die -cast aluminium  
 Integrated LED  
 Voltage: 220-240V  
 Wattage: 1x40W  
 Lumen Output: 3420lm  
 CCT: 4000K  
 CRI: >80  
 LED Driver Included  
 IP Rating: 40



**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

### LED SURFACE MOUNT LIGHT

SXX102 - Black

This SXX Surface mounted down light adopts brand COB and high reflective (more than 88%) reflector which ensure high luminous effect; The ADC12 heat sink and multi-layer structure provide excellent thermal dissipation; Adjustable lighting direction-rotate 350° in horizontal and 25° in vertical- offers all possible lighting effects. Built-in driver solution both in dim and Non-dim version achieves great dimming compatibility with worldwide brand dimmers.

#### TECHNICAL DATA:

Wattage: 10W  
CCT: 4000K  
Luminous Flux: 870 - 1030lm  
Dimmable: Triac Dim  
IP Rating: IP20  
Average Lifespan: 50 000 Hours / 5 Year

Voltage: 100-240VAC Flicker free  
LED: Citizen COB  
CRI: 90  
Power Factor: >0.9  
Beam Angle: 24°, 36°, 60°  
Protection Class: I  
Material: Aluminium  
Operating Temp: -20°C~45°C  
Storage Temp: -20°C~65°C  
Mounting: Surface Mount

Diameter: 90mm  
Length: 110mm

#### DRIVER:

Power Factor: 0.9  
Rated input current: 0.12A  
Rated output current: 230mA  
Short circuit protection  
Over voltage protection  
Over temperature protection  
Withstand voltage: AC3750V  
IES Files: Yes

#### APPLICATION:

It is designed for general lighting applications in hotel, home, office, shop, etc. It is also widely used for public areas such as stairway, lobby, reception, corridors etc.



**NB: All LED Surface Spots need to be protected on the primary side by circuit protection against power & voltage surges.**

### LED TRACK LIGHT

SXX204 - Black

SXX205 - White

This SXX setting is a new design track light, with a Citizen chip which can create diversified and dramatic atmosphere. Elegant and concise design with internal driver, adjustable lighting orientation with 350° swivel in horizontal direction and 90° in vertical direction and will bring suitable exposure. Integrated die-cast aluminum and thermal convection design provides excellent heat dissipation and ensures a long lifespan.

#### TECHNICAL DATA:

Wattage: 15W

CCT: 4000K

Luminous Flux: 1500lm

Dimmable: No

IP Rating: IP20

Average Lifespan: 50 000 Hours / 5 Years

Voltage: 200-240VAC Flicker free

LED: Citizen COB

CRI: 80

Power Factor: >0.9

Beam Angle: 36°

Protection Class: I

Material: Aluminium

Operating Temp: -20°C~45°C

Storage Temp: -20°C~65°C

Mounting: 4 Wire Track

Diameter: 65mm

Length: 223mm

Cylinder: 157mm

#### DRIVER:

Power Factor: 0.9

Rated input current: 0.09A

Rated output current: 350mA

Short circuit protection

Over voltage protection

Over temperature protection

Withstand voltage: AC1500V

IES Files: Yes



**NB: All LED Track Spots need to be protected on the primary side by circuit protection against power & voltage surges.**



### LED TRACK LIGHT

SXX202 - White

SXX203 - Black

This SXX setting is a new design track light, with a Citizen chip which can create diversified and dramatic atmosphere. Elegant and concise design with internal driver, adjustable lighting orientation with 350° swivel in horizontal direction and 90° in vertical direction and will bring suitable exposure. Integrated die-cast aluminum and thermal convection design provides excellent heat dissipation and ensures a long lifespan.

#### TECHNICAL DATA:

Wattage: 25W

CCT: 4000K

Luminous Flux: 2700lm

Dimmable: No

IP Rating: IP20

Average Lifespan: 50 000 Hours / 5 Years

Voltage: 200-240VAC Flicker free

LED: Citizen COB

CRI: 90

Power Factor: >0.9

Beam Angle: 36°

Protection Class: I

Material: Aluminium

Operating Temp: -20°C~45°C

Storage Temp: -20°C~65°C

Mounting: 4 Wire Track

Diameter: 80mm

Length: 254mm

Cylinder: 157mm

#### DRIVER:

Power Factor: 0.9

Rated input current: 0.10A

Rated output current: 600mA

Short circuit protection

Over voltage protection

Over temperature protection

Withstand voltage: AC1500V

IES Files: Yes



**NB: All LED Track Spots need to be protected on the primary side by circuit protection against power & voltage surges.**

### LED TRACK LIGHT

SXX200 - White

SXX201 - Black

This SXX setting is a new design track light, with a Citizen chip which can create a diversified and dramatic atmosphere. Elegant and concise design with internal driver, adjustable lighting orientation with 350° swivel in horizontal direction and 90° in vertical direction and will bring suitable exposure. Integrated die-cast aluminum and thermal convection design provides excellent heat dissipation and ensures a long lifespan.

#### TECHNICAL DATA:

Wattage: 35W

CCT: 4000K

Luminous Flux: 3500lm

Dimmable: No

IP Rating: IP20

Average Lifespan: 50 000 Hours / 5 Years

Voltage: 200-240VAC Flicker free

LED: Citizen COB

CRI: 90

Power Factor: >0.9

Beam Angle: 36°

Protection Class: I

Material: Aluminium

Operating Temp: -20°C~45°C

Storage Temp: -20°C~65°C

Mounting: 4 Wire Track

Diameter: 100mm

Height: 259mm

#### DRIVER:

Power Factor: 0.9

Rated input current: 0.15A

Rated output current: 600mA

Short circuit protection

Over voltage protection

Over temperature protection

Withstand voltage: AC1500V

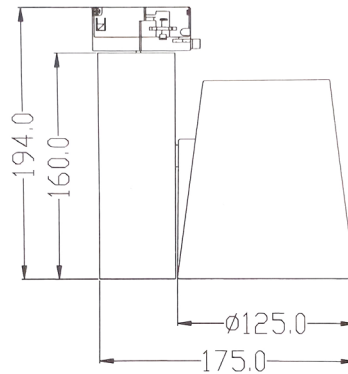
IES Files: Yes



**NB: All LED Track Spots need to be protected on the primary side by circuit protection against power & voltage surges.**

### SCL100 Track Spot LED 30W 4 Wire

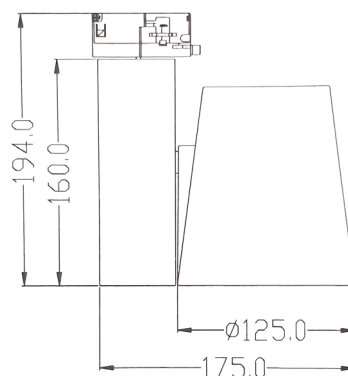
Material: Die-cast Aluminium  
Body Colour: Black  
Integrated LED  
Voltage: 220-240V  
Wattage: 1 x 30W LED  
Lumen Output: 2700Lm  
CCT: 4000K  
CRI: >85  
Beam Angle: 24°  
LED Driver Included  
IP Rating: IP40  
Width: 175mm  
Height: 194mm  
To be used with 4 wire tracks



**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

### SCL131 Track Spot LED 40W 4 Wire

Material: Die-cast Aluminium  
Body Colour: Black  
Integrated LED  
Voltage: 220-240V  
Wattage: 1 x 40W LED  
Lumen Output: 3600Lm  
CCT: 4000K  
CRI: >85  
Beam Angle: 24°  
LED Driver Included  
IP Rating: IP40  
Width: 175mm  
Height: 194mm  
To be used with 4 wire tracks



**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

### SCL120 Track Spot LED 30W 4 Wire

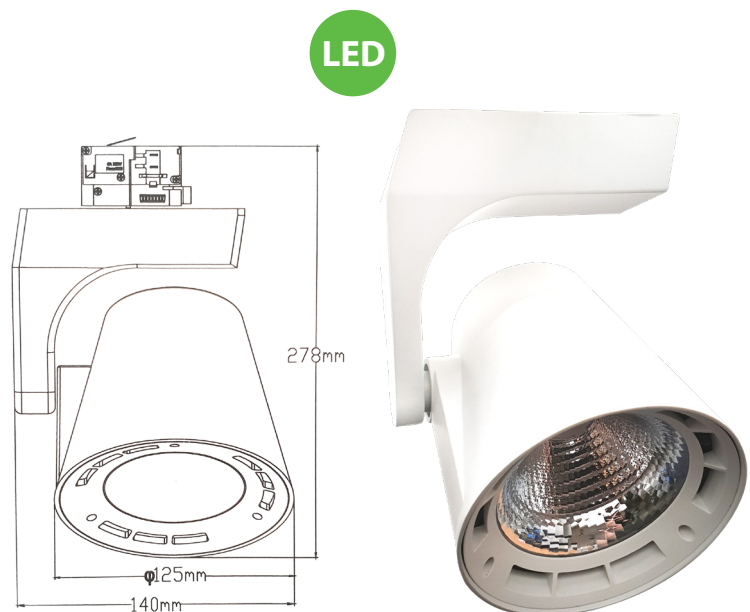
Material: Die-cast Aluminium  
Body Colour: White  
Integrated LED  
Voltage: 220-240V  
Wattage: 1 x 30W LED  
Lumen Output: 2700Lm  
CCT: 3000K  
CRI: >85  
Beam Angle: 24°  
LED Driver Included  
IP Rating: IP40  
Width: 140mm  
Height: 278mm  
To be used with 4 wire tracks



**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

### SCL130 Track Spot LED 40W 4 Wire

Material: Die-cast Aluminium  
Body Colour: White  
Integrated LED  
Voltage: 220-240V  
Wattage: 1 x 40W LED  
Lumen Output: 3600Lm  
CCT: 3000K  
CRI: >85  
Beam Angle: 24°  
LED Driver Included  
IP Rating: IP40  
Width: 140mm  
Height: 278mm  
To be used with 4 wire tracks



**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**



### SCL200 - White

### SCL201 - Black

Round decorative trackspot - Slimline 2 Wire  
 GU10 10W LED Max  
 230V ~ 50Hz  
 IP20  
 Diameter: 55mm  
 Height: 100mm



### SCL202 - White

### SCL203 - Black

Square decorative trackspot - Slimline 2 Wire  
 GU10 10W LED Max  
 230V ~ 50Hz  
 IP20  
 L x W: 60mm x 60mm  
 Height: 100mm

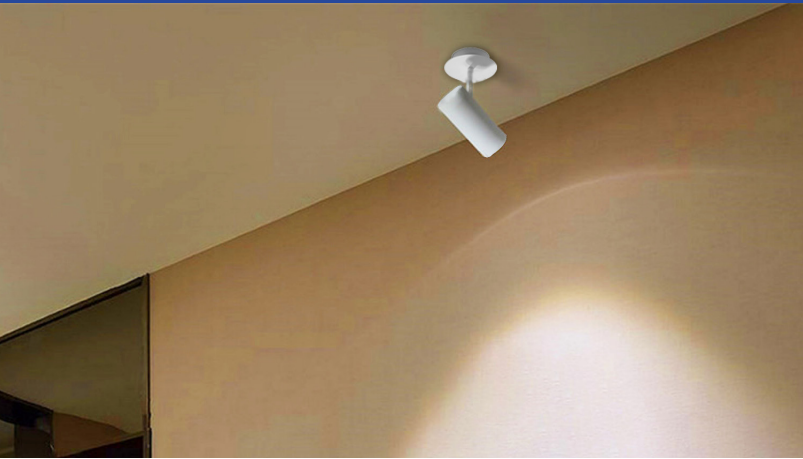


### SCL204 - White

### SCL205 - Black

Round decorative trackspot - Slimline 2 Wire  
 GU10 10W LED Max  
 230V ~ 50Hz  
 IP20  
 Diameter: 55mm  
 Height: 100mm





### **SCL200/S - White**

### **SCL201/S - Black**

Round decorative surface spot - Slimline

Die-cast Aluminium body

GU10 10W LED Max

230V 50Hz

IP20

Diameter: 55mm

Height: 100mm



### **SCL204/S - White**

### **SCL205/S - Black**

Round decorative surface spot - Slimline

Die-cast Aluminium body

GU10 50W MAX

Lamp Excluded

230V 50Hz

Diameter: 55mm

Height: 100mm

IP20





### MAN782/571

2 Wire Track Spot - Black Barrel  
220 - 240V  
MAX 50W  
GU10 Lamp Holder  
Height: 184mm  
Length: 100mm  
Width: 59mm  
IP20 - Interior use only



### MAN783/570

2 Wire Track Spot - White Barrel  
220 - 240V  
MAX 50W  
GU10 Lamp Holder  
Height: 184mm  
Length: 100mm  
Width: 59mm  
IP20 - Interior use only



### PTH150/S/4000K

#### FEATURES:

- Die-cast integrated AL casing allows faster heat dissipation.
- Optical glass over 90% light transmitting.
- LED 3030 chip with low lumen depreciation.
- IP65 driver with short circuit/over-flow/over-temperature/over-voltage protection.
- 150lm/W, over 90% energy saving
- Lifespan 50 000 hours, 5 years' warranty
- Easy installation and low maintenance

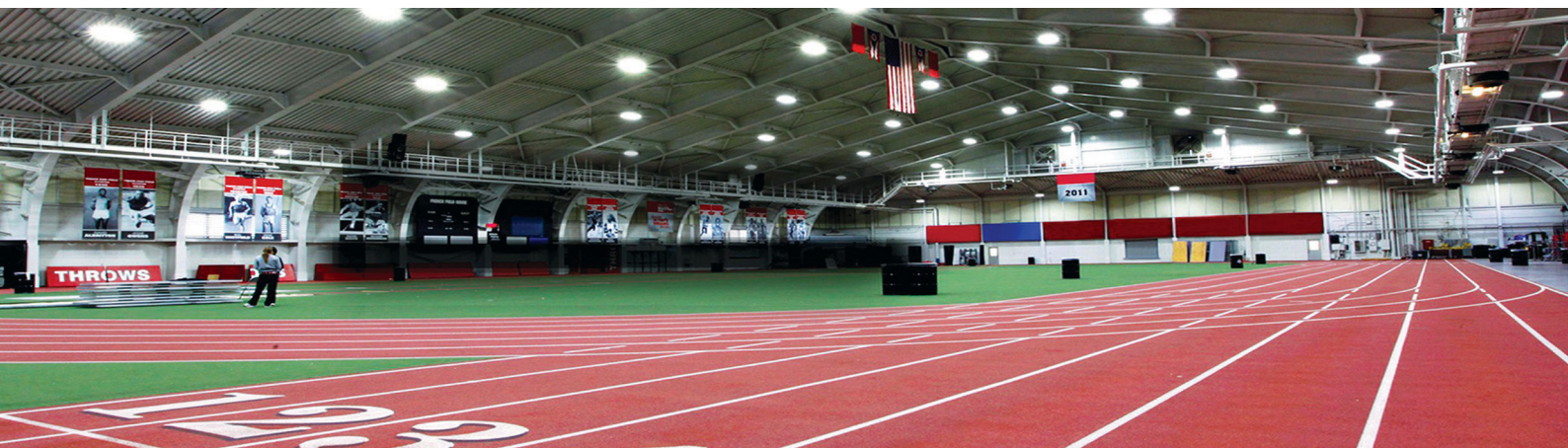
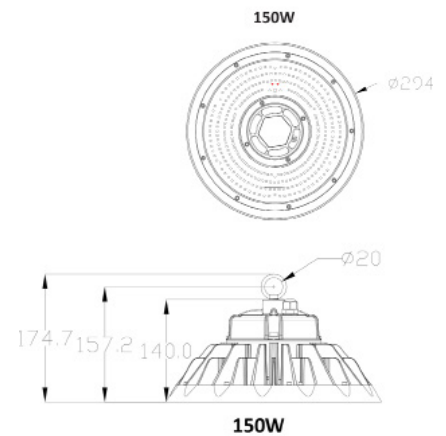
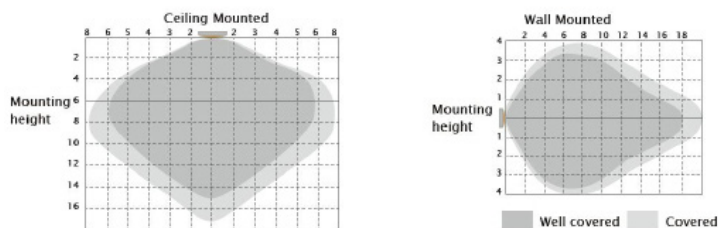
#### SPECIFICATION:

- AL1070 Pure Aluminium Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours/ 5 Years
- Water Resistant: IP65
- Input Voltage: AC100-277V
- Storage temperature: - 20°C - 45°C
- Power: 150W
- Lumen: 22 500Lm
- CCT: 4000K
- CRI: >70
- Beam Angle: 120°
- LED Type: 3030
- Light Efficiency: 150lm/W
- Optional Extra: Dim 1-10V and Sensor
- IES Files: Yes



#### Detection coverage

Typical installation height 8-12m.  
This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.





### PTH150/BSF/4000K

#### FEATURES:

- Die-cast integrated AL casing allowing faster heat dissipation.
- Optical glass over 90% light transmitting.
- LED 3030 chip with low lumen depreciation.
- IP65 driver with short circuit/over-flow/over-temperature/over-voltage protection.
- 150lm/W, over 90% energy saving
- Lifespan 50 000 hours, 5 years' warranty
- Easy installation and low maintenance
- Freezer Spec: Rated 30° Celcius

#### SPECIFICATION:

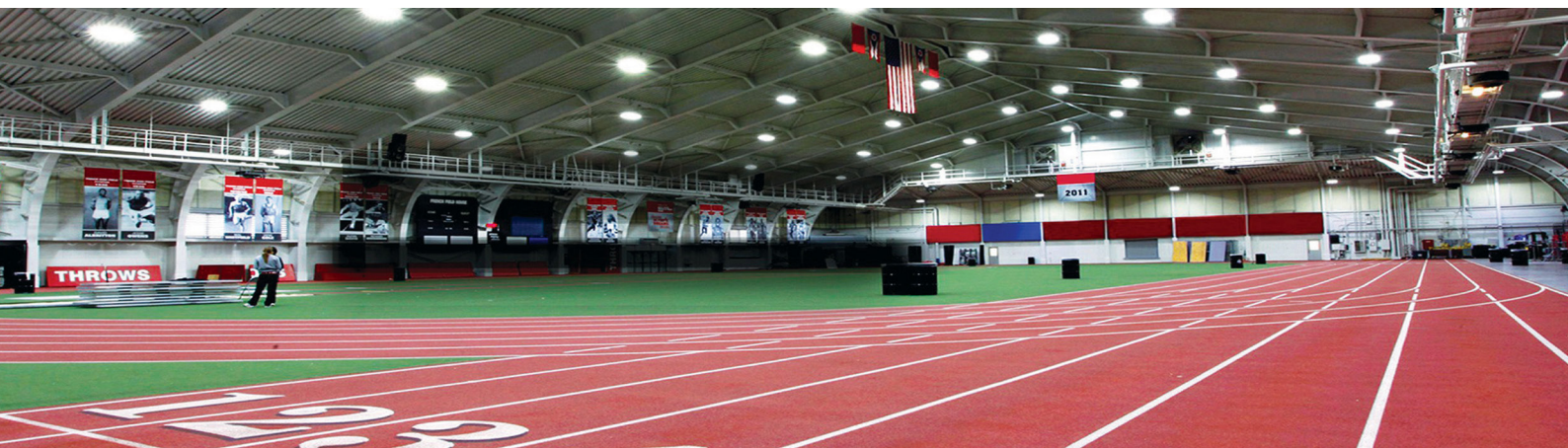
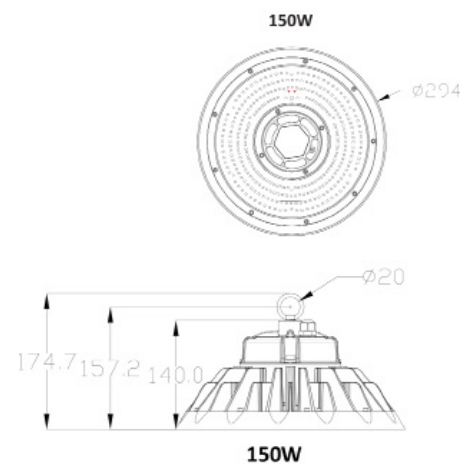
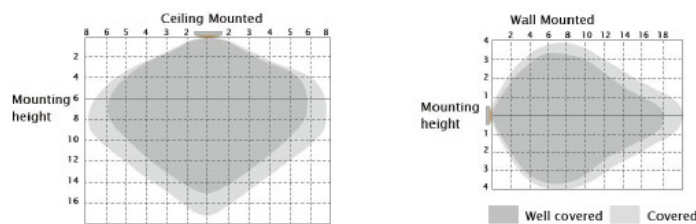
- ADC 12 Die-Cast Aluminium Housing
- IK08 strong protection, good optical function
- Lifespan: 50 000 Hours
- Water Resistant: IP65
- Input Voltage: AC100-277V
- Storage temperature: - 30°C - 45°C
- Power: 150W
- Lumen: 22 500Lm
- CCT: 4000K
- CRI: >70
- Beam Angle: 120°
- LED Type: 3030
- Light Efficiency: 150lm/W
- Optional Extra: Dim 0-10V and Bluetooth Sensor
- IES Files: Yes



#### Detection coverage

Typical installation height 8-12m.

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

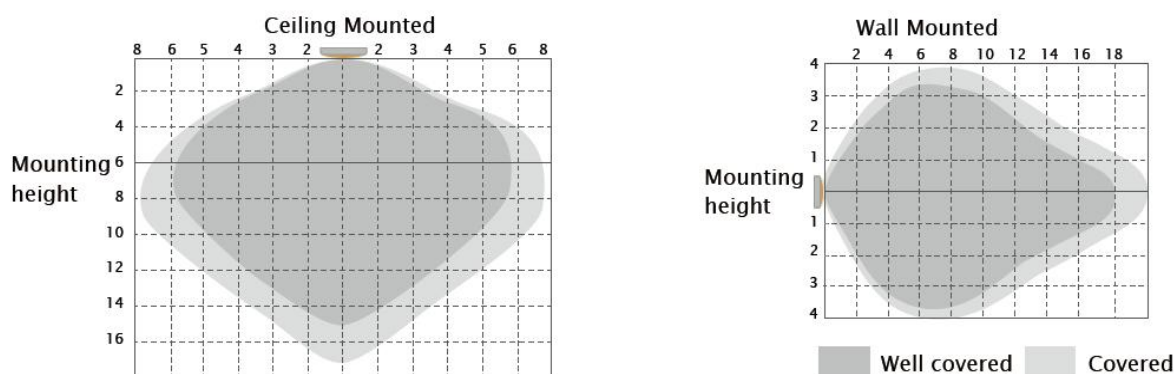


### MOTION SENSOR+DAYLIGHT PRIORITY

#### Detection coverage

Typical installation height 8–12m.

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.

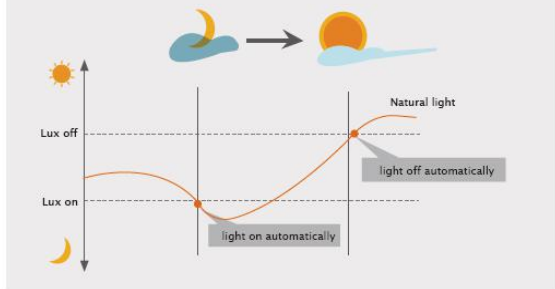


#### Daylight Priority

Dusk/Dawn sensor:  
Dual-PD technology brings a fully automatic dusk/dawn sensor which can tell the difference between natural light and LED light, to ensure the light will be off when needed.

Precondition of Daylight priority:

1. Daylight threshold is on 30Lux/50Lux/80Lux/120Lux;
2. Standby period is +∞;
3. Standby dimming level is on 10%/20%/30%.



#### Application Daylight priority

- \* Daylight threshold is on 30Lux/50Lux/80Lux/120Lux;
- \* Standby period is +∞; Standby dimming level is on 10%/20%/30%.



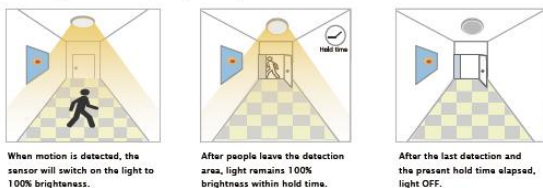
#### Application

1. Automatically ON/OFF function:  
\* Daylight threshold is on 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/200Lux/250Lux/300Lux/350Lux/400Lux;  
\* Standby period is 0s; Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.



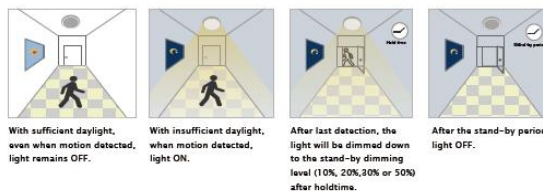
2. No daylight function

- \* Daylight threshold is on "Disable"; Standby period is on 0s/10s/30s/1min/5min/10min/30min.
- \* Light on when detect movement. After people leave, Light off after stand-by period.
- \* Stand-by period is set to +∞, The light will always remain ON.



3. Function Demo – Dimmable control/Corridor function

- \* Daylight threshold is on 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/200Lux/250Lux/300Lux/350Lux/400Lux;
- \* Standby period is on 0s/10s/30s/1min/5min/10min/30min.
- \* Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.



### HD05R REMOTE CONTROL

Screen Display, Memory & Apply Function, Optional Scenes

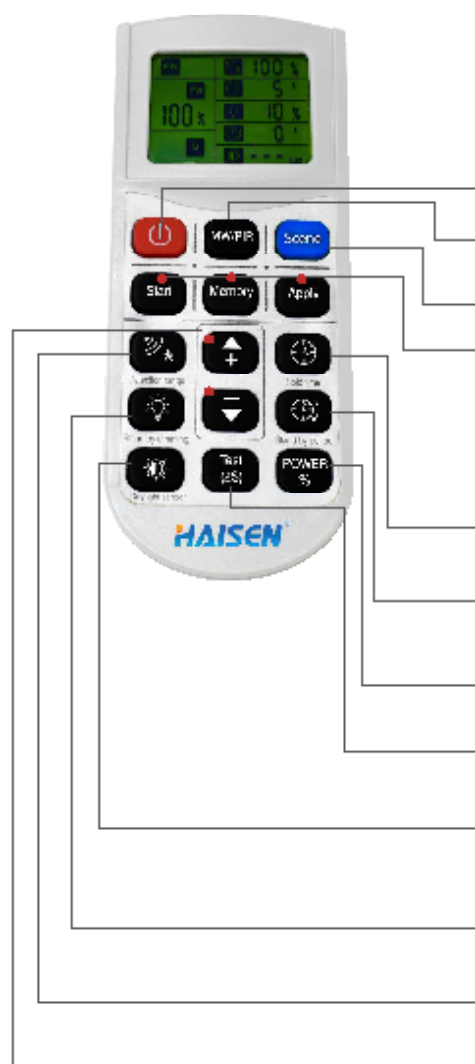
#### Add a Scene:

To set multiple units to the same setting, follow these instructions. Please note this setting is first set on your digital remote, NOT aimed at a fitting:

- Step 1: Push 'Start button' - 'Detection Range' - Up arrow to get to '100%'
- Step 2: Push 'Hold Time' - Up / Down arrow to select the desired 'Hold Time'
- Step 3: Push 'Stand By Dimming' - Up / Down arrow to select the desired dimmed amount
- Step 4: Push 'Stand By Period' - Up / Down arrow to select the desired length of time
- Step 5: Push 'Daylight Sensor' - Up / Down arrow to select the '0 lux' or off.
- Step 6: Push 'Memory' - 'Apply'

#### Now the remote has been setup, you can calibrate a fitting to suit the scene:

- Step 7: While aiming the remote directly at a fitting with an MS units installed, push 'Scene'
- Step 8: The fitting will dim down and back up over approx 2 seconds, then push 'Apply'



#### ON/OFF

Turn on or turn off the remote control.

#### WM/PIR

Change from the microwave sensor function to PIR sensor function, and the other around.

#### Scene

Press the button to change from the different scene options. Daylight threshold disabled.

#### Start

Press the button before choosing the parameters; or press it for 10S, it will be RESET function.

#### Memory

Press the button after choosing all the parameters to save them.

#### Apply

Press the button to deliver the saved settings to the other sensors directly.

#### Hold time

The period of light keeping 100% brightness after moving objects leave the detection area.

#### Stand-by period

The period of light keeping low output before it gets completely off. When it's preset as --, the light always keep at low output even no movement in the detection area.

#### Power %

Press the button to change the output power from 0% to 100%, it changes 5% every press.

#### Test (2s)

The button "Test (2s)" is for testing purpose after commissioning. Pressing this button, the sensor goes to test mode ( hold time is only 2s ).

#### Daylight Threshold

Definition of the ambient brightness; only when the ambient brightness is lower than the preset specific lux amount, the sensor will work; when it's preset as "disable", the sensor works everytime it detects motion regardless of the ambient lux level.

#### Detection Rarea

The area in which movement will trigger the sensor, 100% detection area also means strong sensitivity.

#### Stand-by dimming level

The definition of low output during the standby period.

Increase or decrease the parameters.

#### PACKAGE

<b>Model No</b>	PTH1505	<b>N.W</b>	2.9 kg
<b>QTY/Carton</b>	1 pcs	<b>G.W</b>	3.5kg
<b>Carton Size</b>	335 x 335 x 218mm		

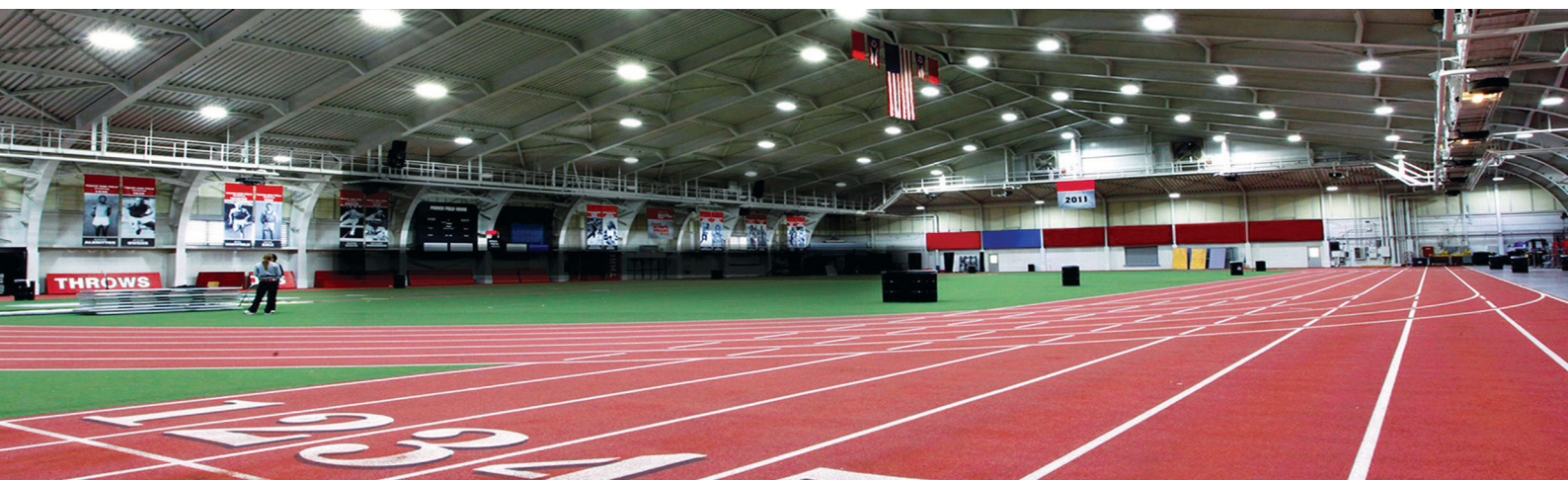
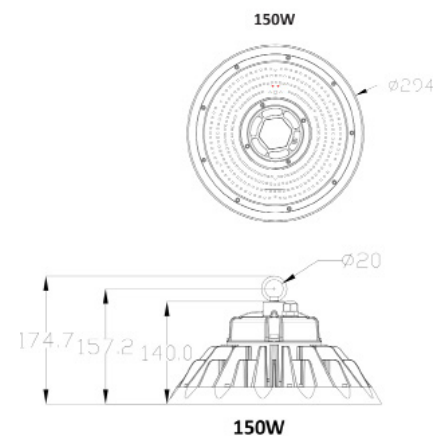
### PTH150/BS/4000K

#### FEATURES:

- Unique flat wheel form design.
- Bluetooth/Microwave smart sensor.
- Patented ADC12 graded lightweight housing.
- Built in driver with 4KV surge protection.
- Optical glass over 90% light transmitting.
- 99.99% gold wire 3030 LED chip with low lumen decay
- IP65 driver with short circuit/over-flow/over-temperature/over-voltage protection
- 150lm/W, over 90% energy saving
- Lifespan 50,000 hours, 5 years warranty
- Easy installation and low maintenance

#### SPECIFICATION:

- ADC12 Aluminium Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours / 5 Years
- Water Resistant: IP65
- Input Voltage: AC100-277V
- Storage temperature: - 40°C - 60°C
- Working temperature: - 20 - 45°C
- Power: 150W
- Lumen: 22 500Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 120°
- LED Type: SMD3030
- Light Efficiency: 150lm/W
- **Optional Extra:**  
Dim 1-10V and Sensor  
Bluetooth Sensor: PTH/ BM/ Sensor
- IES Files: Yes



### PTH200/BS/4000K

#### FEATURES:

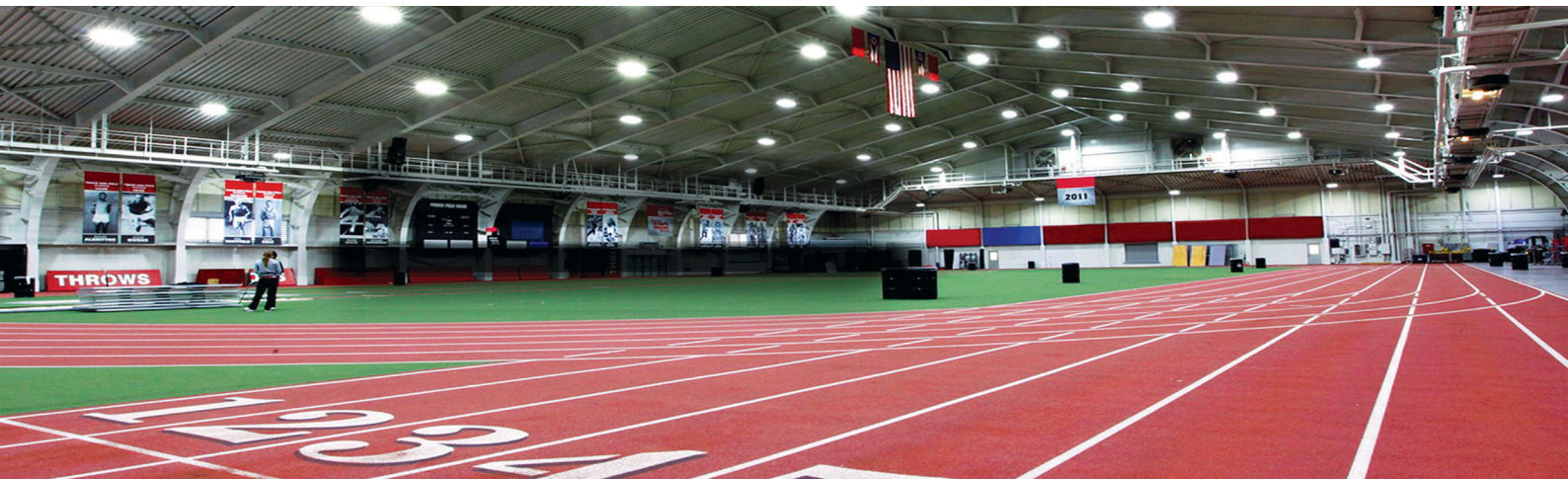
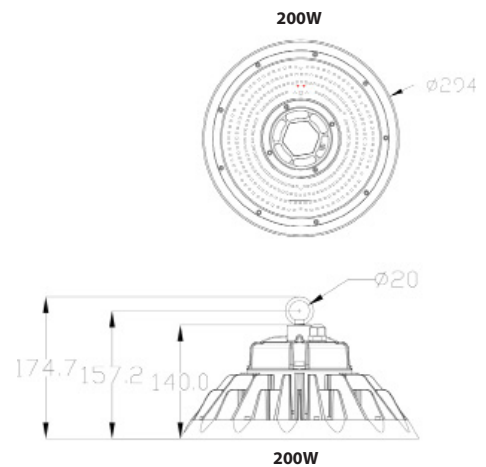
- Unique flat wheel form design.
- Bluetooth/Microwave smart sensor.
- Patented ADC12 graded lightweight housing.
- Built in driver with 4KV surge protection.
- Optical glass over 90% light transmitting.
- 99.99% gold wire 3030 LED chip with low lumen decay
- IP65 driver with short circuit/over-flow/over-temperature/over-voltage protection
- 150lm/W, over 90% energy saving
- Lifespan 50,000 hours, 5 years warranty
- Easy installation and low maintenance

#### SPECIFICATION:

- ADC12 Aluminium Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours / 5 Years
- Water Resistant: IP67
- Input Voltage: AC100 -277V
- Storage temperature: - 40°C - 60°C
- Working temperature: - 20 - 45°C
- Power: 200W
- Lumen: 30 000Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 120°
- LED Type: SMD3030
- Light Efficiency: 150lm/W
- IES Files: Yes

#### Optional Extra:

- Dim 1-10V and Sensor
- Bluetooth Sensor: PTH/ BM/ Sensor



### PTH150/EBS/4000K- ECO

#### FEATURES:

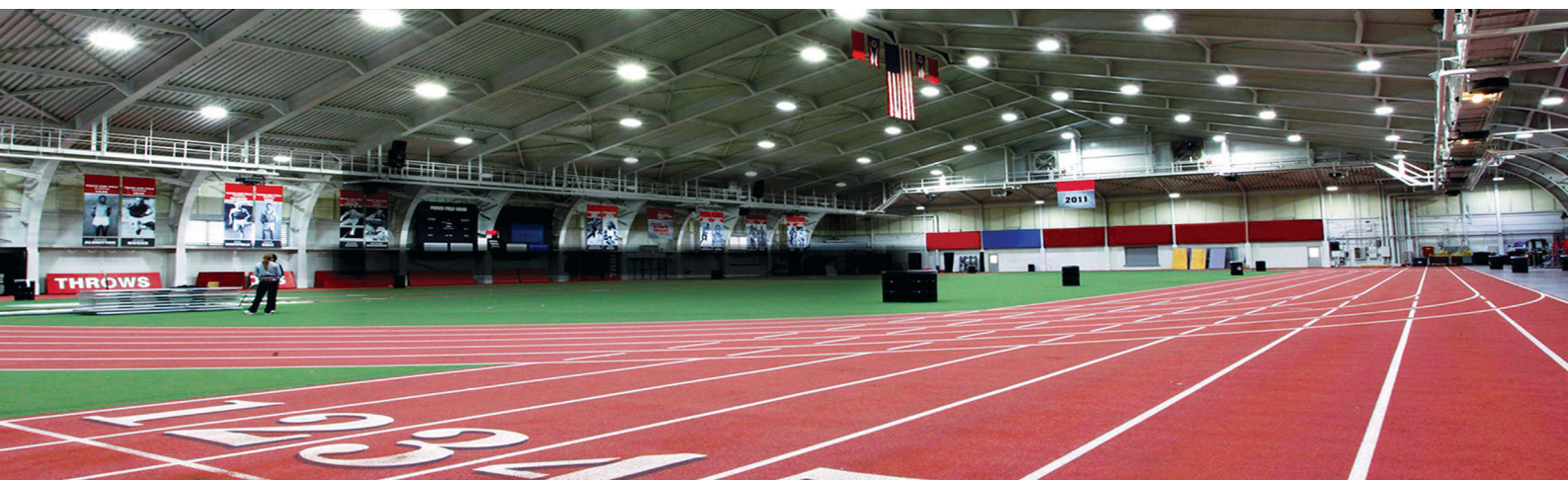
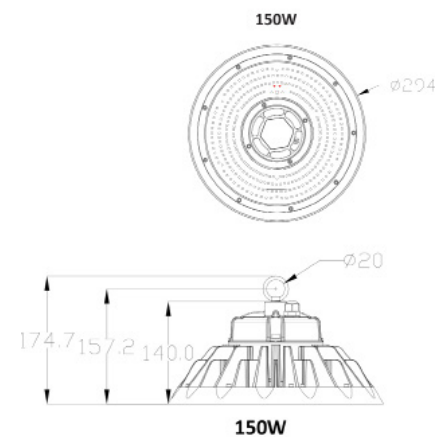
- Unique flat wheel form design.
- Bluetooth/Microwave smart sensor.
- Patented ADC12 graded lightweight housing.
- Built in driver with 4KV surge protection.
- Optical glass over 90% light transmitting.
- 99.99% gold wire 3030 LED chip with low lumen decay
- IP65 driver with short circuit/over-flow/over-temperature/over-voltage protection
- 130lm/W, over 90% energy saving
- Lifespan 30,000 hours, 3 years warranty
- Easy installation and low maintenance

#### SPECIFICATION:

- ADC12 Die-Casting Aluminium Housing
- IK8 strong protection, good optical function
- Lifespan: 30 000 Hours / 3 Years
- Water Resistant: IP65
- Input Voltage: AC200 -240V
- Storage temperature: - 40°C - 60°C
- Working temperature: - 20 - 45°C
- Power: 150W
- Lumen: 19 500Lm
- CCT: 4000K
- CRI: >70
- Beam Angle: 120°
- LED Type: SMD3030
- Light Efficiency: 130lm/W
- IES Files: Yes

#### Optional Extra:

- Dim 1-10V and Sensor
- Bluetooth Sensor: PTH/ BM/ Sensor





### ECO LED Highbay

#### FEATURES:

- Pure aluminum heat sink results in good heat dissipation, anodized surface makes it UV resistant
- New structure design, avoiding the cleaning pressure from water, dust & maintenance
- IP65 rated can be used both indoor or outdoor
- LM80 Certified 3030 light source
- Easy installation and low maintenance

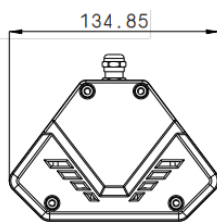
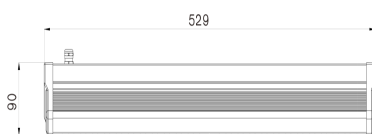
#### SPECIFICATIONS:

- Input voltage: AC100-265V
- PF: >0.9
- LED Type: 3030
- CRI: >70
- IP Rating: IP65
- Working Temp: -20°C ~ 45°C
- Storage Temp: -40°C ~ 60°C
- Lifespan: 50 000H @ 25°C
- Power Cable Length: 300mm
- Not Dimmable
- NB: No suspension wires included
- IES Files: Yes



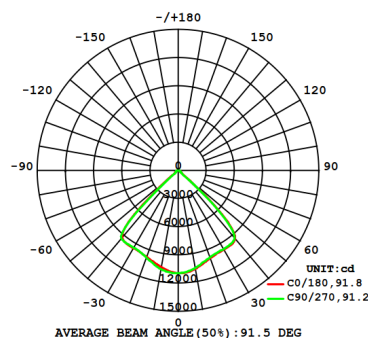
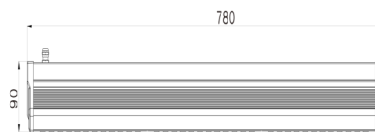
#### PTH/LIN100:

Power: 100W  
 Beam Angles: 60x90°, 30x70°, 70x145°  
 Light Efficiency: 122lm/W  
 Luminous Flux: 12 200Lm  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Years  
 L: 529 x W:134.85 x H:90mm



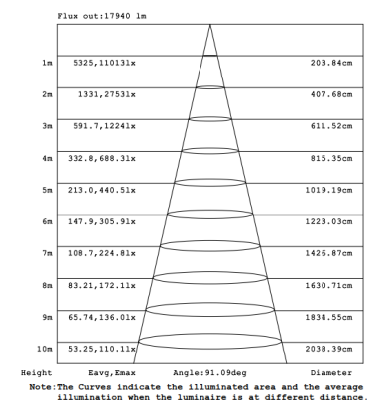
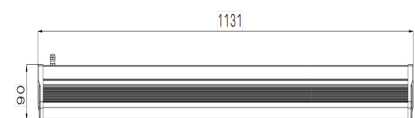
#### PTH/LIN150:

Power: 150W  
 Beam Angles: 60x90°, 30x70°, 70x145°  
 Light Efficiency: 122lm/W  
 Luminous Flux: 18 300Lm  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Years  
 L: 780 x W:134.85 x H:90mm



#### PTH/LIN200:

Power: 200W  
 Beam Angles: 60x90°, 30x70°, 70x145°  
 Light Efficiency: 122lm/W  
 Luminous Flux: 24 400Lm  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Years  
 L: 1131 x W:134.85 x H:90mm



#### EXTRA:

PTH015/2 - 2m Suspension Cable  
 PTH010 - Surface Mounting Bracket





- BR/SENSOR/BLK - STD
- BR/SENSOR/WHT - 30°

### Hibay DIM Sensor



### MICROWAVE MOTION SENSOR USER'S MANUAL Model No.: MC054V RC



R&TTE



Instruction

### FEATURE

- Sensor parameters can be conveniently set by a remote control.
- Mounting height up to 15m max. , suitable for warehouse use.
- Automatic dimming when used in combination with 1-10V dimmable control gears.
- Built-in adjustable daylight sensor.
- 1-10V interface can match up with Merrytek stand-alone daylight sensor MS01 and achieve daylight harvesting.
- Optional mounting brackets for different application.

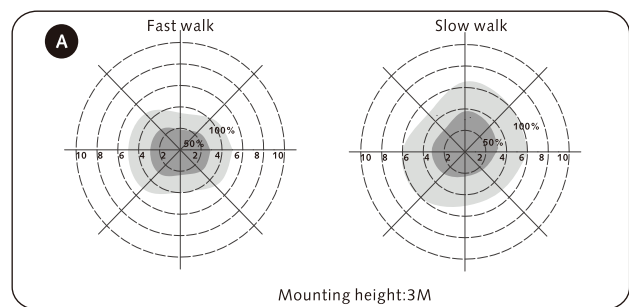
### SPECIFICATIONS

Input voltage	120~277Vac, 50/60Hz
Rated load	400W@120Vac; 800W@220-277Vac (Inductive load) 800W@120Vac; 1200W@220-277Vac (Resistive load)
Hold time	5s/ 30s/ 1min/ 3min/ 5min/ 10min/ 20min/ 30min
Daylight sensor	5lux/ 15lux/ 30lux/ 50lux/ 100lux/ 150lux/ Disable
Stand-by period	0s/ 10s/ 1min/ 3min/ 5min/ 10min/ 30min/ +∞
Stand-by dimming level	10% / 20% / 30% / 50%
Sensor principle	Microwave motion detector
Microwave frequency	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW (1% of transmitting power for cell phone)
Mounting height	3-15m
Detection angle	150° (Wall installation), 360° (Ceiling installation)
Motion detection	0.5-3m/s
Operating temperature	-35°C~70°C
IP rating	IP65

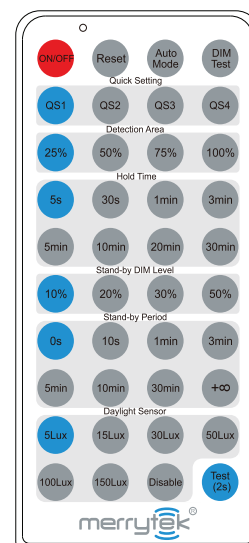
### GENERAL GUIDELINES FOR INSTALLATION

- 1, Please read the entire instruction manual before using the product and then save it for future reference. We reserve the right for any errors in text or images and any necessary changes made to technical data.
- 2, The sensor should be installed by a qualified electrician. And ensure that the electricity supply is switched off before installing or servicing the product.
- 3, The sensor should not be modified in any way. Any modifications made to this product will immediately invalidate any warranties issued.
- 4, The company does not accept responsibility for any consequences resulting from unauthorized modification of the product.
- 5, Microwaves cannot pass through metal or brick walls if thicker than 20cm. They will pass through thinner walls but there will be some interference.
- 6, The sensor is designed for indoor use only.
- 7, The sensor should be connected to a stable power supply of 120-277Vac, 50/ 60Hz.
- 8, Detection area will be affected by speed of motion, height of installation and volume of moving object.
- 9, Daylight sensor is tested in sunny environment.

### DETECTION PATTERN



### SETTINGS (REMOTE CONTROL MH01)



The green work light of microwave sensor will flash 3 times if set successfully by remote control.

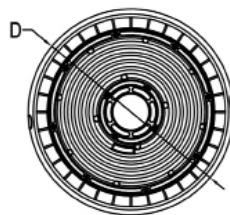
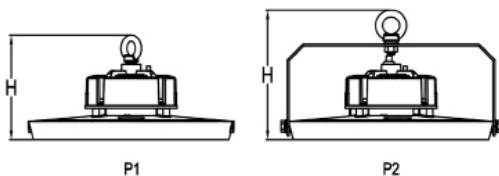
### BRR/ R/ 100W/ 150W/ 200W

#### FEATURES:

- Die-cast integrated AL casing allowing faster heat dissipation.
- Optical glass over 90% light transmitting.
- LED 3030 chip with low lumen depreciation.
- IP65 driver with short circuit/over-flow/over-temperature/over-voltage protection.
- Lifespan 50 000 hours, 5 years' warranty
- Easy installation and low maintenance
- Storage Temp: - 40°C - + 50°C

#### SPECIFICATION - 150W

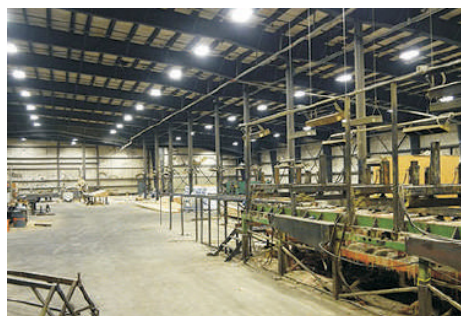
- AL1070 Pure Aluminium Housing
- Operating Temp: - 40°C ~ + 50°C
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours / 5 Years
- Water Resistant: IP65
- Input Voltage: AC100 - 277V 50/60Hz
- Storage temperature: - 30°C - 45°C
- Power: 150W
- 122lm/W and over 90% energy saving
- Lumen: 22 500Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 120°
- LED Type: SMD2835 or LUMILEDS 2835
- Optional extra: Dim-10V
- IES Files: YES



#### INCLUDED:



#### OPTIONAL EXTRA:



### BRR/ LIN/ RANGE

#### LED LINEAR HIGHBAY

#### SUITABLE FOR:

- Factories, Packing
- Facilities & Workshops,
- Storage Facilities & Warehouses, Supermarkets & Department Stores,
- Showrooms, Design Centers & Galleries.

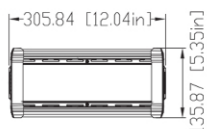
#### SPECIFICATIONS:

- Input voltage: AC100-277V 50/60Hz
- PF: >0.9
- Colour Type: 4000K
- IP Rating: IP65
- Working Temp: - 40°C ~ +50°C
- Storage Temp: - 40°C ~ +80°C
- Lifespan: 50 000H @ 25°C
- Power: Sosen Driver
- Not Dimmable
- NB: No suspension wires included
- IES File: Yes



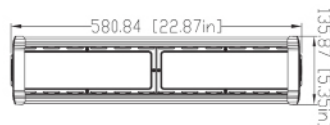
#### BRR/ LIN /50W:

Power: 50W  
 Beam Angles: 60° x 100°  
 Light Efficiency: 130lm/W  
 Leds & CRI: SMD 2835, >80  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Years  
 L: 305.84 x W:135.87



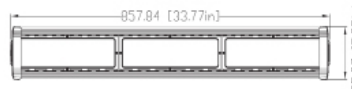
#### BRR/ LIN /100W:

Power: 100W  
 Beam Angles: 60° x 100°  
 Light Efficiency: 130lm/W  
 Leds & CRI: SMD 2835, >80  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Years  
 L: 580.87 x W:135.87



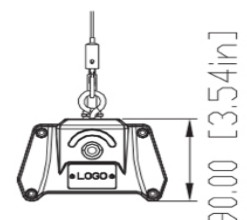
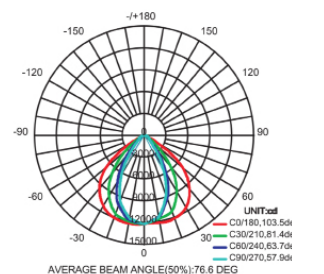
#### BRR/ LIN /150W:

Power: 150W  
 Beam Angles: 60° x 100°  
 Light Efficiency: 122lm/W  
 Leds & CRI: SMD 2835, >80  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Years  
 L: 857.84 x W:35.87



#### BRR/ LIN /200W:

Power: 200W  
 Beam Angles: 60° x 100°  
 Light Efficiency: 122lm/W  
 Leds & CRI: SMD 2835, >80  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Years  
 L: 1134.84 x W:135.87



### BRR/ LIN-2/ RANGE

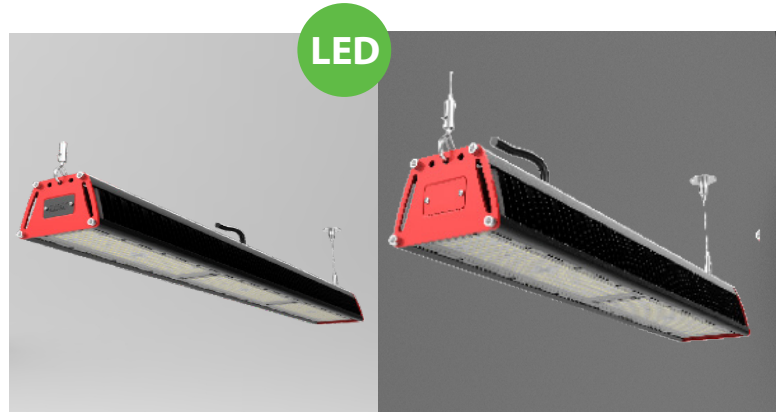
#### LED Horticulture Light

#### FEATURES:

- Suitable for greenhouse, tissueculture, plant factory.
- Power: Meanwell driver
- Leds: Lumileds, Samsung, Osram
- Housing Color: Black/ White
- Beam Angle: 120°

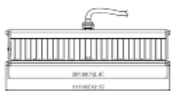
#### SPECIFICATIONS:

- Input voltage: AC100 - 277V 50/60Hz
- IP Rating: IP65
- Dimming: 0 ~ 10V/ 1~ 10V
- Storage Temp: - 40°C ~ +80°C
- Lifespan: 50 000H @ 25°C
- Power Factor: >0.95
- Max. Ambient Temperature: 35° C/ 95° F
- Mounting Height: >6" (15.2cm) Above Canopy
- Warranty Time: 5 Year Warranty
- IES files: YES



#### BRR/ LIN-2/ 150W

Power: 150W  
 Beam Angles: 120°  
 Light Efficiency: 2.6 μmol/J  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Years  
 L: 375 x W:170 x H: 130



150W

#### BRR/ LIN-2/ 300W

Power: 300W  
 Beam Angles: 120°  
 Light Efficiency: 2.6 μmol/J  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Year  
 L: 670 x W:170 x H: 130



300W

#### BRR/ LIN-2/ 450W

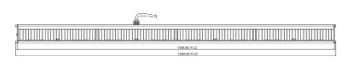
Power: 450W  
 Beam Angles: 120°  
 Light Efficiency: 2.6 μmol/J  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Year  
 L: 970 x W:170 x H:130



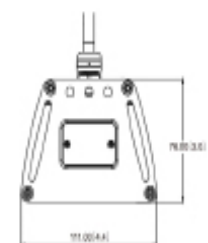
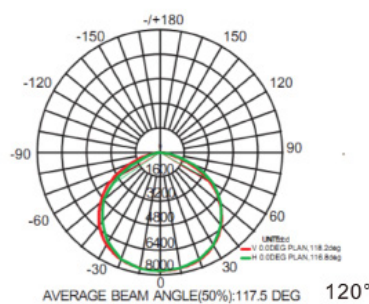
450W

#### BRR/ LIN-2/ 600W

Power: 600W  
 Beam Angles: 120°  
 Light Efficiency: 2.6 μmol/J  
 Colour Temp: 4000K  
 Lifespan: 50 000 Hours / 5 Year  
 L: 1265 x W:170 x H:130



600W



### LED Gas Station Light

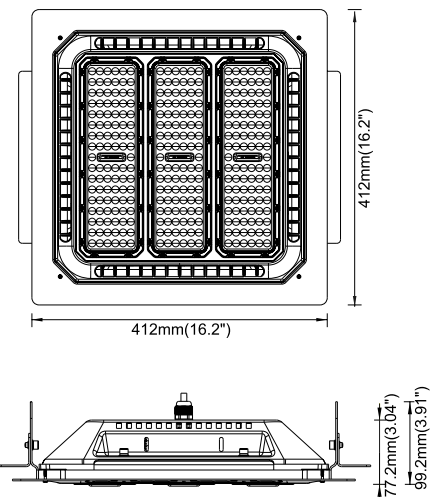
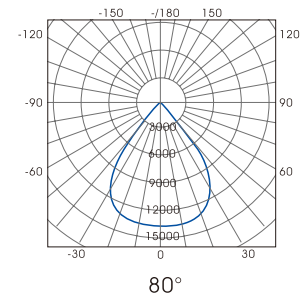
#### FEATURES:

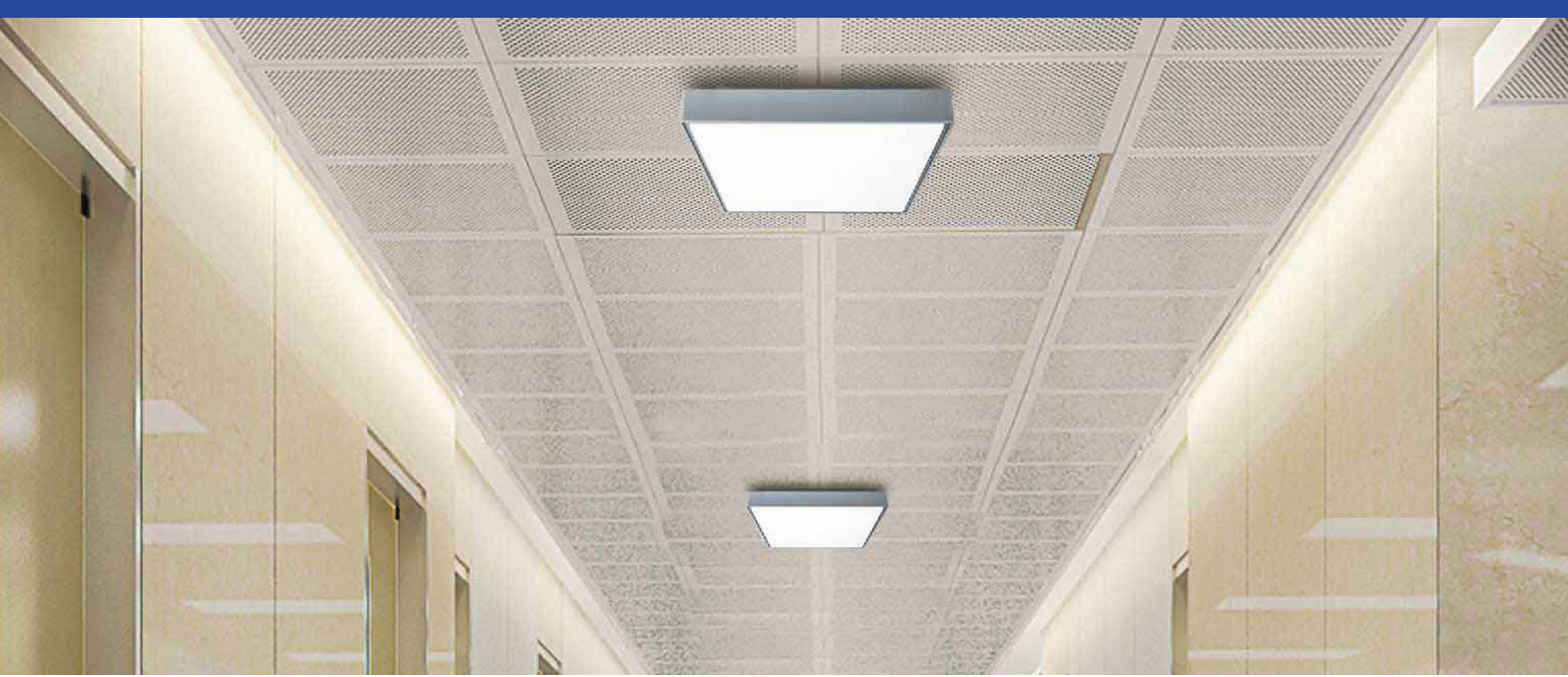
- Soft light with high light effect
- Cold lighting source, no heat radiation, no harmful metal mercury and environmental protection.
- Low power consumption, long lifespan, good stability, high reliability.
- 80% reduction in energy consumption.

#### SPECIFICATIONS:

- ADC 12 Die-Cast Aluminium Alloy Housing
- IK10 strong protection, good optical function
- Life span: 50 000 Hours
- IP65 Water Resistant
- Operating temperature: - 20 - 50°C
- Storage temperature: - 40 - 60°C
- Mounting: Recessed or Surface Mount

- Power: 150W
- Lumen: 20 250Lm (135lm/W)
- CCT: 4000K
- CRI: >70
- Beam Angle: 80°
- 5 Year Warranty
- IES Files: YES

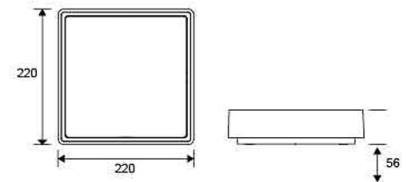




LED Indoor & Outdoor Light - Surface Mount  
 UV Resistant & Corrosion Proof  
 Colours: Grey & White  
 220-240V ~ 50Hz  
 CRI: >80  
 Material: PC + ABS & PC Diffuser  
 IP65  
 Class II  
 3000K / 4000K / 6000K  
 25 000hrs

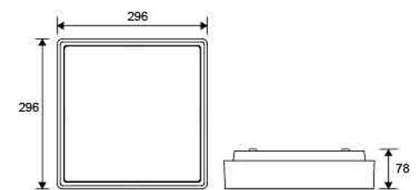
### LGW2201/3CCT

10 Watt  
 800 Lumen  
 Length: 220mm  
 Width: 220mm  
 Depth: 56mm



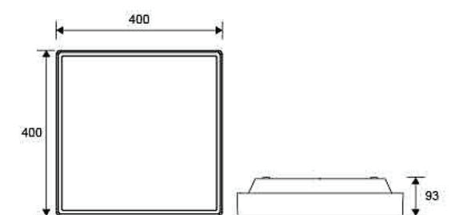
### LGW3301/3CCT

16 Watt  
 1400 Lumen  
 Length: 296mm  
 Width: 296mm  
 Depth: 78mm



### LGW4001/3CCT

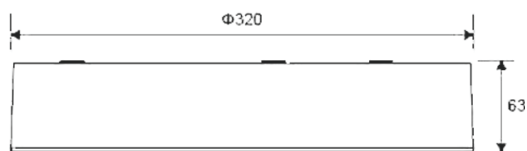
20 Watt  
 1600 Lumen  
 Length: 400mm  
 Width: 400mm  
 Depth: 93mm





### LGW3201/ 3CCT

LED Indoor & Outdoor Light - Surface Mount  
UV Resistant & Corrosion Proof  
Colours: Silver, White, Black  
220-240V ~ 50Hz  
CRI: >80  
Material: PC + ABS & PC Diffuser  
IP65  
Class II  
1900 Lumen  
3000K/ 4000K/ 6000K  
21 Watt  
Diameter: 320mm  
Width: 63mm



LED



LED Indoor & Outdoor Light - Surface Mount  
 UV Resistant & Corrosion Proof  
 Colours: Grey  
 220-240V ~ 50Hz  
 CRI: >80  
 Material: PC + ABS & PC Diffuser  
 IP65  
 Class II  
 4000K

### LGW3001 - PLAIN

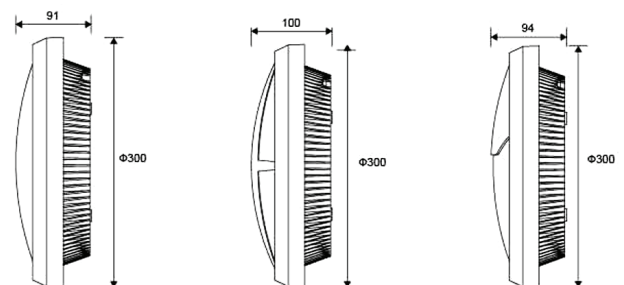
13.5 Watt  
 1150 Lumen  
 Diameter: 300mm  
 Depth: 91mm

### LGW3002 - GRID

13.5 Watt  
 1150 Lumen  
 Diameter: 300mm  
 Depth: 100mm

### LGW3003 - EYELID

13.5 Watt  
 1150 Lumen  
 Diameter: 300mm  
 Depth: 94mm







### LGW5201

LED Indoor & Outdoor Light - Surface Mount  
UV Resistant & Corrosion Proof  
Colours: Grey & White  
220-240V ~ 50Hz  
CRI: >80  
Material: PC + ABS & PC Diffuser  
IP65  
Class II  
1300 Lumen  
4000K  
13 Watt  
Diameter: 250mm  
Depth: 60mm



### LGW6201

LED Indoor & Outdoor Light - Surface Mount  
UV Resistant & Corrosion Proof  
Colours: Grey & White  
220-240V ~ 50Hz  
CRI: >80  
Material: PC + ABS & PC Diffuser  
IP65  
Class II  
1300 Lumen  
4000K  
13 Watt  
Length: 220mm  
Width: 220mm  
Depth: 60mm





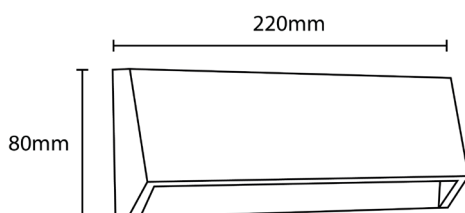
### LGW7201

LED Outdoor Half Lantern  
 UV Resistant & Corrosion Proof  
 Colours: Black & White  
 220-240V AC ~ 50/60Hz  
 4000K  
 IP65  
 9W  
 263 x 135 x 487mm



### LGW2801/3CCT

LED Footlight Surface Mount  
 UV Resistant & Corrosion Proof  
 PC + ABS & PC Diffuser  
 Colours: Black, White & Grey  
 220-240V AC  
 50/60Hz  
 IP65  
 3000K/ 4000K/ 6000K  
 4W - 250 Lumen  
 Width: 220mm  
 Height: 80mm





### LGW2582

LED footlight Surface Mount

Available in Black & White

ABS+PC Material

PC Diffuser

UV Resistant

Non Corrosive

220-240V

Class II

IP65

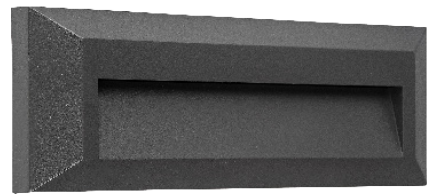
35pcs 2835 SMD LED

80Lm

4000K

2W

Width:230mm x Height:80mm x Depth:27mm



LED

### LGW2583

LED footlight Surface Mount

Available in Black & White

ABS+PC Material

PC Diffuser

UV Resistant

Non Corrosive

220-240V

Class II

IP65

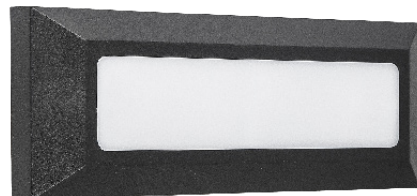
44pcs 2835 SMD LED

280Lm

4000K

4W

Width:230mm x Height:80mm x Depth:27mm



LED



### LGW2040

Up & Down LED Wall Light

ABS+PC Material

PC Diffuser

UV Resistant

Non Corrosive

220-240V

Class II

IP65

Black

12pcs 2835 SMD LED

700Lm

3000K or 4000K

12W

Width:200mm x Depth:39mm x Height:125mm



### LGW2401

Down LED Wall Light

ABS+PC Material

PC Diffuser

UV Resistant

Non Corrosive

220-240V

Class II

IP65

Black

12pcs 2835 SMD LED

480Lm

3000K or 4000K

6W

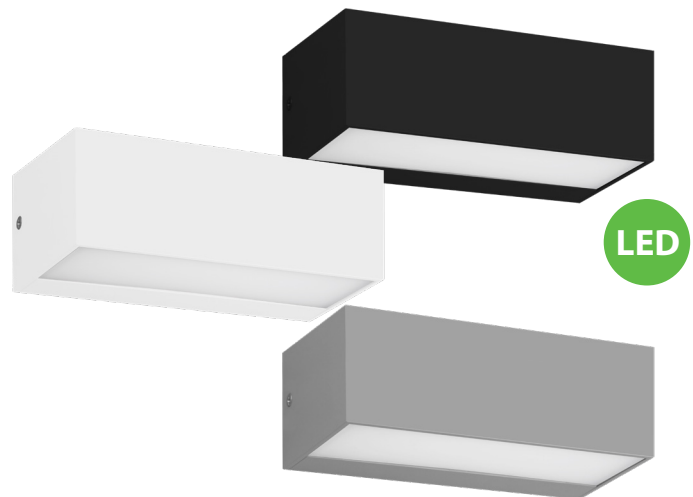
Width:240mm x Depth:41mm x Height:80mm





### LGW2300/ 3CCT

Up & Down LED Wall Light  
Available in Black, White & Gray  
220-240V AC  
700 Lumen  
IP65  
3000K/ 4000K/ 6000K  
Non Corrosive  
13Watt  
230 x 90 x 101mm  
ABS + PC Body  
PC Diffuser  
Class II  
300mA Driver



### LGW2581

Up & Down LED Wall Light  
Available in Black or White  
ABS+PC Material  
PC Diffuser  
UV Resistant  
Non Corrosive  
220-240V  
Class II  
IP65  
48pcs 2835 SMD LED  
400Lm  
4000K  
8W  
Length: 220mm x Width: 113mm x Depth: 51mm





### LWA0709A

Wall Light  
Available in Black & White  
3000K - IP65  
Power: 5W LED  
Aluminium  
Die-Casting Body  
AC 90-260VAC /  
50/60Hz  
Width: 180mm  
Depth: 140mm  
Height: 100mm  
Class II



### LGW7222

Wall Light  
Available in Black & White  
IP44 - E27  
Power: 18W E27 MAX  
Plastic Body with  
Clear PC Diffuser  
220 - 240V  
Diameter: 327mm  
Height: 408mm  
Depth: 218mm  
Suitable for LED Lamps  
Excludes Lamp



### LWA0708B

Wall Light - Round  
Available in Black & White  
IP65 - GU10  
Max 5W LED  
Aluminium Die-Casting  
220-240V AC / 50/60Hz  
Diameter: 90mm  
Height: 130mm  
Depth: 100mm  
Suitable for LED lamps  
Excludes Lamp



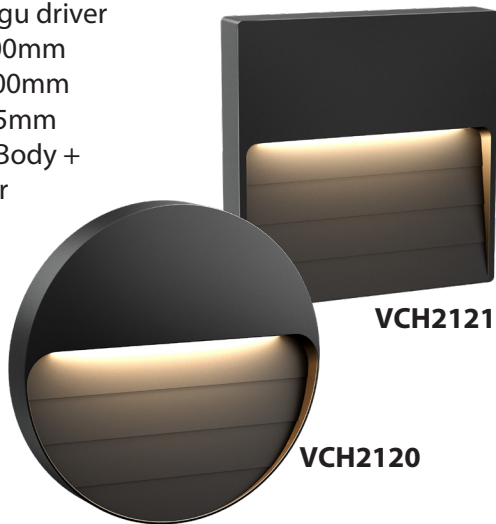
### LWA0710A

Wall Light  
Available in Black & White  
IP65 - E27  
Max 5W LED  
Aluminium  
Die-Casting Body  
Width: 200mm  
Depth: 200mm  
Diameter: 200mm  
Suitable for LED Lamps  
Excludes Lamp



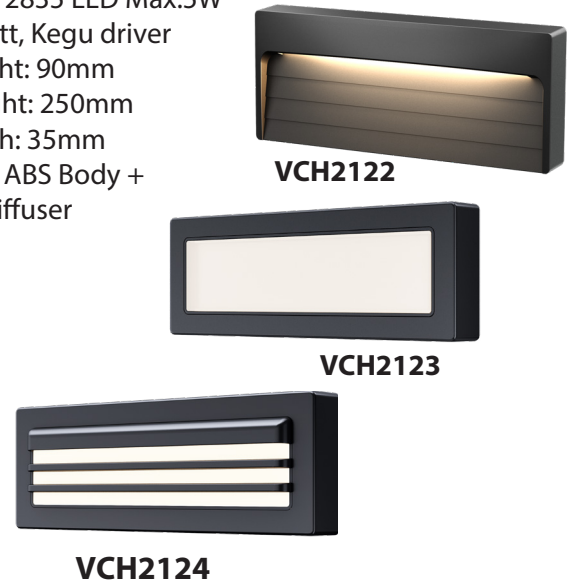
### VCH2121 & VCH2120

Wall Light  
 Available in Black  
 AC220-240V ~ 50/60Hz  
 Class II, IP65, 3000K  
 SMD 2835 LED Max.5W  
 5 Watt, Kegu driver  
 Height: 200mm  
 Length: 200mm  
 Width: 735mm  
 PC & ABS Body +  
 PC diffuser



### VCH2122, VCH2123 & VCH2124

Wall Light  
 Available in Black  
 AC220-240V ~ 50/60Hz  
 Class II, IP65, 3000K  
 SMD 2835 LED Max.5W  
 5 Watt, Kegu driver  
 Height: 90mm  
 Length: 250mm  
 Width: 35mm  
 PC & ABS Body +  
 PC diffuser



### VCH6410

Wall Light  
 Available in Black  
 AC220-240V ~ 50Hz  
 Class II, IP65, 3000K  
 SMD 2835 LED Max.5W  
 5 Watt, Kegu driver  
 Height: 200mm  
 Depth: 200mm  
 Width: 735mm  
 PC Body + diffuser  
 Suitable for E27 LED  
 Excludes Lamp



### VCH8111 & VCH82211

Wall Light  
 Available in Black  
 Two Side Wall Light  
 Class II, IP54  
 2 x GU10 Max.  
 4W LED  
 Height: 150mm  
 Depth: 90mm  
 Width: 58mm  
 ABS Material  
 Excludes Lamp



### LGW1603

Outdoor Wall Light - Square  
1 x GU10 Max 7W - LED Lamps Only  
UV Resistant & Corrosion Proof  
PC + ABS & PC Diffuser  
Black  
220-240V AC / 50/60Hz  
IP54  
L x W: 90mm  
Height: 162mm  
Depth: 113mm  
Class II



### LGW1604

Outdoor Wall Light - Round  
1 x GU10 Max 7W - LED Lamps Only  
UV Resistant & Corrosion Proof  
PC + ABS & PC Diffuser  
Black  
220-240V AC / 50/60Hz  
IP54  
Diameter: 90mm  
Height: 162mm  
Depth: 113mm  
Class II



### LGW2203

Outdoor Wall Light - Square  
2 x GU10 Max 7W - LED Lamps Only  
UV Resistant & Corrosion Proof  
PC + ABS & PC Diffuser  
Black  
220-240V AC / 50/60Hz  
IP54  
L x W: 90mm  
Height: 215mm  
Depth: 113mm  
Class II



### LGW2204

Outdoor Wall Light - Round  
2 x GU10 Max 7W - LED Lamps Only  
UV Resistant & Corrosion Proof  
PC + ABS & PC Diffuser  
Black  
220-240V AC / 50/60Hz  
IP54  
Diameter: 90mm  
Height: 215mm  
Depth: 113mm  
Class II





**KAT186 - PLAIN**  
**KAT187 - EYELID**  
**KAT188 - GRID**



Body and frame made from high pressure die-cast Marine Grade Aluminium (LM6).  
 Frame is secured with stainless steel allen cap screws into heli coils.  
 Diffuser is injection moulded from BASF Macrolon polycarbonate.  
 The fitting is designed so that the mounting screws are outside the sealed area.

### Specifications - 15W Bulkhead

IP Rating: IP65  
 Diameter: 280mm  
 Raw Lumens: 1500Lm / Actual Lumens: 1350Lm  
 Power: Seoul Semiconductor 15W  
 Colour: Black or White  
 Kelvin Rating: 4000K  
 CRI: >80  
 Power Factor: 0.95  
 Voltage: 220/230V, 50Hz

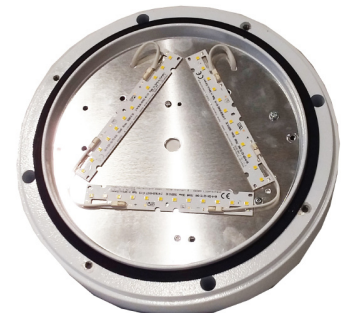
### Specifications - 20W Bulkhead

IP Rating: IP65  
 Diameter: 280mm  
 Raw Lumens: 3075Lm / Actual Lumens: 2153Lm  
 Power: Seoul Semiconductor 20W  
 Colour: Black or White  
 Kelvin Rating: 4000K  
 CRI: >80  
 Power Factor: 0.95  
 Voltage: 220/230V, 50Hz

### Areas of application

- Corridors
- Stairways
- Landings
- Hallways

**SABS Approved - PC Code B11**  
**Manufactured in South Africa for Eagle Lighting**



LED Module

**KAT186 - PLAIN - 15W**  
**KAT191 - PLAIN - 20W**



**KAT187 - EYELID - 15W**  
**KAT193 - EYELID - 20W**



**KAT188 - GRID - 15W**  
**KAT192 - GRID - 20W**



Body and frame made from high pressure die-cast Marine Grade Aluminium (LM6).  
Frame is secured with stainless steel allen cap screws into heli coils.  
Diffuser is injection moulded from BASF Macrolon polycarbonate.  
The fitting is designed so that the mounting screws are outside the sealed area.  
Also available with COB LED

IP Rating: IP65  
Colour: Black or White  
Diameter: 280mm

### Plain Bulkhead

KAT120 : 1 X E27 LED

### Eyelid Bulkhead

KAT121 : 1 X E27 LED

### Grid Bulkhead

KAT122 : 1 X E27 LED

### SABS Approved

Manufactured in South Africa for Eagle Lighting

### Specification code

Exterior of Homes  
Exterior of Schools/ Hotels  
Exterior of Commercial Buildings  
For Ceiling or Wall Mounting



**Plain Bulkhead**



**Grid Bulkhead**



**Eyelid Bulkhead**



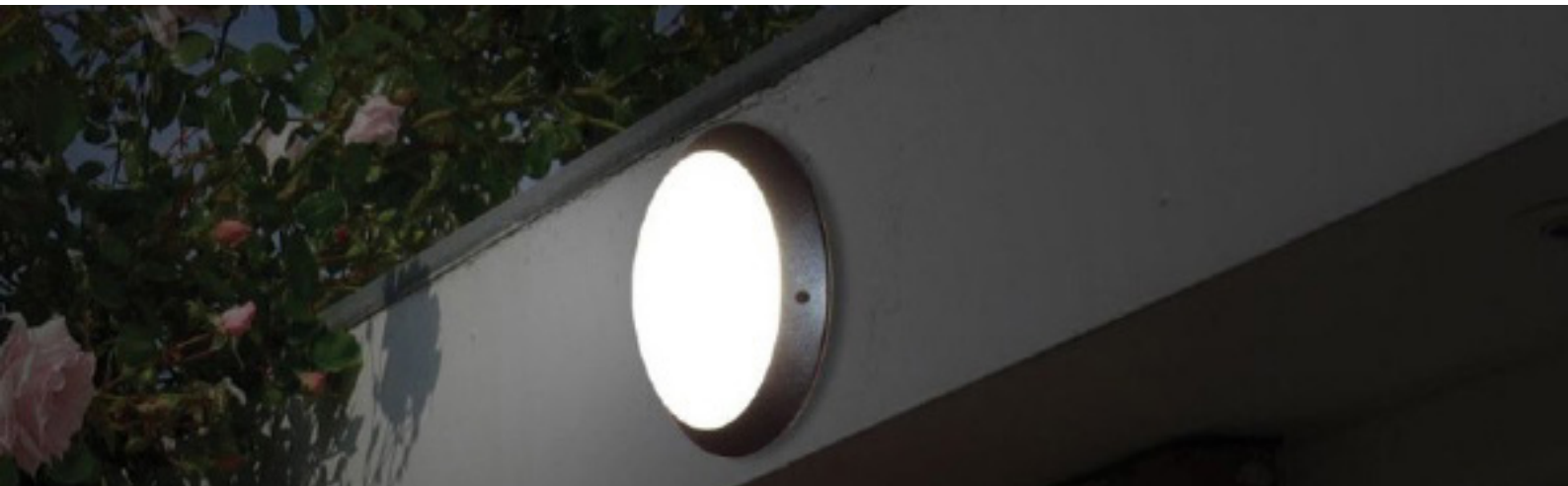
### KAT207

Plain Bulkhead - Round  
White  
18W LED - 4000K  
1 x LED Driver  
Polycarbonate Diffuser  
Polycarbonate Base  
IP65  
CRI >80°  
Height: 235mm  
Width: 75mm  
Lumens: 1650  
15 000 Hrs



### KAT208

Plain Bulkhead - Round  
Black  
18W LED - 4000K  
1 x LED Driver  
Polycarbonate Diffuser  
Polycarbonate Base  
IP65  
CRI >80°  
Height: 235mm  
Width: 75mm  
Lumens: 1650  
15 000 Hrs



### GTL250

Plain Bulkhead - Square  
Black  
1 x GX53 LED  
Polycarbonate Diffuser  
Die-cast Aluminium  
IP54  
Length: 145mm  
Width: 145mm  
Depth: 58mm



### GTL252

Eyelid Bulkhead - Square  
Black  
1 x GX53 LED  
Polycarbonate Diffuser  
Die-cast Aluminium  
IP54  
Length: 145mm  
Width: 145mm  
Depth: 58mm



### GTL253

Plain Bulkhead - Rectangular  
Black  
1 x E27 CFL/LED  
Polycarbonate Diffuser  
Die-cast Aluminium  
IP54  
Length: 218mm  
Width: 134mm  
Depth: 67mm



### GTL256

Plain Bulkhead - Rectangular  
Black  
1 x E27 CFL/LED  
Polycarbonate Diffuser  
Die-cast Aluminium  
IP54  
Length: 278mm  
Width: 183mm  
Depth: 98mm



### GTL259

Plain Pyramid Bulkhead - Rectangular  
1 x E27 CFL/LED  
Polycarbonate Diffuser  
Die-cast Aluminium  
Sand Black  
IP54  
Width: 160mm  
Length: 280mm  
Depth: 125mm

Suitable 9W  
**LED**



### GTL260

Eyelid Pyramid Bulkhead - Rectangular  
1 x E27 CFL/LED  
Polycarbonate Diffuser  
Die-cast Aluminium  
Sand Black  
IP54  
Width: 160mm  
Length: 280mm  
Depth: 125mm

Suitable 9W  
**LED**



### GTL261

Plain Bulkhead - Square  
1 x E27 CFL/LED  
Polycarbonate Diffuser  
Die-cast Aluminium  
Sand Black  
IP54  
Length: 270mm  
Width: 270mm  
Depth: 78mm

Suitable 9W  
**LED**



### GTL269

Square Bulkhead  
1 x E27 CFL/LED  
Polycarbonate Diffuser  
Die-cast Aluminium  
Sand Black  
IP54  
Length: 218mm  
Width: 218mm  
Depth: 115mm

Suitable 9W  
**LED**



### GTL270

Round Bulkhead  
2 x 18W E27 MAX LED  
Aluminium Body with Opal PC Diffuser,  
Sand Black, Stainless Steel 316 allen  
head screws + Helicoils  
IP54  
Length: 280mm  
Width: 280mm  
Depth: 105mm

Suitable 9W  
**LED**



### GTL262

Plain Bulkhead - Square  
 1 x E27 CFL/LED  
 Polycarbonate Diffuser  
 Die-cast Aluminium  
 Black  
 IP54  
 Length: 215mm  
 Width: 215mm  
 Depth: 76mm



### GTL265

1 x E27 CFL/LED  
 Eyelid Rectangle Bulkhead with Polycarbonate diffuser  
 Die-cast aluminium  
 IP54  
 Length: 278mm  
 Width: 183mm  
 Depth: 98mm



### GTL126 & GTL127

Round Bulkhead  
 LED 18W 4000K  
 Aluminium Body with Opal PC Diffuser,  
 Sand Black (GTL126), Sand White (GTL127),  
 Stainless Steel 316 allen head screws + Helicoils  
 Lumens: 1600Lm ,IP54  
 Length: 280mm  
 Width: 280mm  
 Depth: 105mm



### 3CCT LED BULKHEAD

#### GTL120 - PLAIN

Diameter: 340mm  
 Depth: 95mm

#### GTL122 - GRID

Diameter: 340mm  
 Depth: 97mm

#### GTL124 - EYELID

Diameter: 340mm  
 Depth: 97mm

Colour: Black, Non Corrosive  
 Voltage: 220-240V, Wattage: 16W  
 Lumens: 1600Lm, Power Factor: 0.9  
 Material: PC, LED pcs: 168  
 Colour Temperature: 3CCT - 3000K, 4000K, 6500K  
 Warranty: 3 Years, 30 000 Hours , IP Rating: IP65



### FH200

Polycarbonate Outdoor Bulkhead  
Non Corrosive  
Oval Plain  
1 x E27 CFL / LED  
IP66  
Black, White or Silver  
L: 290mm x W:200mm x D:100mm



### FH202

Polycarbonate Outdoor Bulkhead  
Non Corrosive  
Oval Decorative Eyelid  
1 x E27 CFL / LED  
IP66  
Black, White or Silver  
L:290mm x W:200mm x D:100mm



### FH203

Polycarbonate Outdoor Bulkhead  
Non Corrosive  
Round Plain  
2 x E27 CFL / LED  
IP66  
Black, White or Silver  
Dia:300mm x D:100mm



### FH206

Polycarbonate Outdoor Bulkhead  
Non Corrosive  
Square Plain  
3 x E27 CFL / LED  
IP66  
Black, White or Silver  
L:300mm x W:300mm x D:100mm





### **GTL575**

SURFACE MOUNT LED LUMINAIRE  
4000K  
15W LED  
220~240V  
50Hz / 60Hz  
Lifespan: 30 000Hrs  
IP65  
Diameter: 220mm  
Height: 55mm  
1250Lm  
Outdoor: Ceiling mount only  
Indoor: Ceiling and wall mounting

### **GTL576**

SURFACE MOUNT LED LUMINAIRE  
4000K  
18W LED  
220~240V  
50Hz / 60Hz  
Lifespan: 30 000Hrs  
IP65  
Diameter: 280mm  
Height: 55mm  
1500Lm  
Outdoor: Ceiling mount only  
Indoor: Ceiling and wall mounting

### **GTL577**

SURFACE MOUNT LED LUMINAIRE  
4000K  
24W LED  
220~240V  
50Hz / 60Hz  
Lifespan: 30 000Hrs  
IP65  
Diameter: 330mm  
Height: 55mm  
2050Lm  
Outdoor: Ceiling mount only  
Indoor: Ceiling and wall mounting







### **GTL344**

WALL LANTERN 3 PANEL

Black

1 x E27

230v 60W Max

50/60Hz - IP44

Aluminium die-cast body with Clear Glass

Height: 310mm

Depth: 135mm

Width: 202mm



### **GTL345**

WALL LANTERN 3 PANEL

Black

2 x E27

AC 220-240V 60W Max

50/60Hz - IP44

Aluminium die-cast body with Clear Glass

Height: 229mm

Depth: 127mm

Width: 208mm





### GTL578

SURFACE MOUNT LED LUMINAIRE  
4000K or 3000K  
15W LED  
220~240V - 50Hz / 60Hz  
Polycarbonate Diffuser  
Lifespan: 50 000Hrs  
IP65  
Diameter: 220mm  
Height: 55mm  
1250Lm  
Outdoor: Ceiling mount only  
Indoor: Ceiling and wall mounting

### GTL579

SURFACE MOUNT LED LUMINAIRE  
4000K or 3000K  
18W LED  
220~240V - 50Hz / 60Hz  
Polycarbonate Diffuser  
Lifespan: 50 000Hrs  
IP65  
Diameter: 280mm  
Height: 55mm  
1500Lm  
Outdoor: Ceiling mount only  
Indoor: Ceiling and wall mounting

### GTL580

SURFACE MOUNT LED LUMINAIRE  
4000K  
24W LED  
220~240V - 50Hz / 60Hz  
Polycarbonate Diffuser  
Lifespan: 50 000Hrs  
IP65  
Diameter: 330mm  
Height: 55mm  
2050Lm  
Outdoor: Ceiling mount only  
Indoor: Ceiling and wall mounting





### SXX400/04

BULKHEAD LED ROUND PLAIN BLACK  
 5700K, 4000K or 3000K - 3CCT  
 18W LED  
 220~240V - 50Hz  
 Polycarbonate Body with Opal Diffuser  
 Lifespan: 50 000Hrs  
 IP65, IK10  
 Diameter: 275mm  
 Height: 59mm  
 1780Lm +/- 5%  
 Outdoor: Bulkhead wall or ceiling under Soft  
 Indoor: Bulkhead wall or ceiling mounting

### SXX410/04

BULKHEAD LED SQUARE PLAIN BLACK  
 5700K, 4000K or 3000K - 3CCT  
 25W LED  
 220~240V - 50Hz  
 Polycarbonate Body with Opal Diffuser  
 Lifespan: 50 000Hrs  
 IP65, IK10  
 Diameter: 242 x 242mm  
 Height: 59mm  
 2450Lm +/- 5%  
 Outdoor: Bulkhead wall or ceiling under Soft  
 Indoor: Bulkhead wall or ceiling mounting

### Features

- Interchangeable CCT (3000/4000/5700k) with slide switch.
- IP65, IK10.

### Application

It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.





### GTL276 & 277

GTL276 - Black  
 GTL277 - Silver  
 Aluminium die-cast Body  
 Opal PC cover  
 Black or Silver  
 220~240V/50Hz  
 2 x E27 CFL/LED  
 IP54  
 Width: 250mm  
 Height: 200mm  
 Depth: 105mm



### GTL291 & GTL292

GTL292 - Black  
 GTL291 - Silver  
 2 x E27 CFL/LED  
 Modern Rectangular Bulkhead  
 Durable Powder coated die-cast aluminium  
 Energy saving CFL or LED compatible  
 Polycarbonate diffuser  
 IP54  
 240V  
 Width: 178mm  
 Length: 286mm  
 Depth: 93mm



### UH101316

Outdoor Pendant Lantern - Black  
Metal Powder Coated Body with frosted glass diffuser  
E27 MAX 60W 230V or LED / CFL / HAL  
Class I  
IP44  
Width: 320mm  
Height: 860mm



### UH101303

Outdoor Wall Lantern - Black, White or Green  
Metal Powder Coated Body with frosted glass diffuser  
E27 MAX 60W 230V or LED / CFL / HAL  
Class I  
IP44  
Width: 320mm  
Height: 310mm  
Depth: 353mm



### UH115101

Outdoor Wall Light - Black  
Die-cast Aluminium body with clear PC diffuser  
Cree 16W COB LED 1400Lm / 4000K  
Eaglerise driver included  
Class I  
IP65  
Width: 200mm  
Height: 90mm  
Depth: 243mm



### UH101306

Outdoor Wall Lantern - Black or White  
Die-cast Aluminium body with clear glass  
E27 MAX 60W or LED / CFL / HAL  
Class I  
IP44  
Width: 150mm  
Height: 280mm  
Depth: 100mm



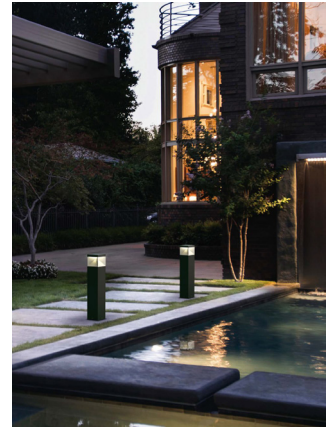
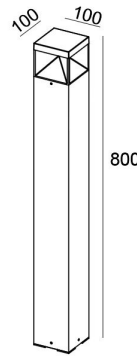
### UH101307-A

Outdoor Wall light with Asymmetrical Beam Angle - Black  
Die-cast Aluminium body with opal PC diffuser  
Cree 9W LED 900Lm / 4000K  
Eaglerise driver included  
Class I  
IP65  
Width: 262mm / Height: 55mm / Depth: 53mm



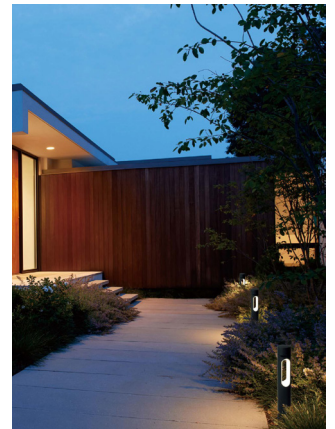
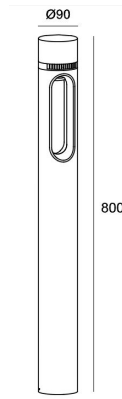
### UH106340

Outdoor Bollard - Black  
Aluminium Body with opal PC diffuser  
18W COB LED 1350Lm / 4000K  
Eaglerise driver included  
Class I  
IP65  
Width: 100mm  
Height: 800mm  
Depth: 100mm



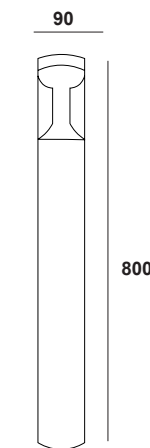
### UH115102

Outdoor Bollard - Black  
Die-Cast Aluminium body with Opal PC diffuser  
Cree 12W COB LED 1050Lm / 4000K  
Eaglerise driver included  
Class I  
IP65  
Diameter: 90mm  
Height: 800mm



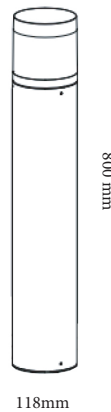
### GTL800

Outdoor Bollard - Black  
8W COB LED  
4000K  
Matt Black  
Die Cast Aluminium Body  
AC 220-240V  
Class I  
PC Diffuser  
IP65  
Diameter: 90mm  
Height: 800mm



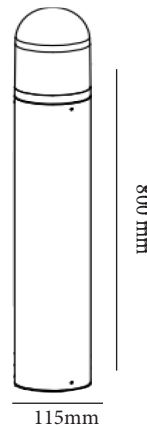
### GTL810

Outdoor Bollard - Black  
12W LED  
4000K  
Matt Black Die-Cast Aluminium Body  
220-240V AC  
Class I  
PC Diffuser  
IP65  
Diameter: 118mm  
Height: 800mm



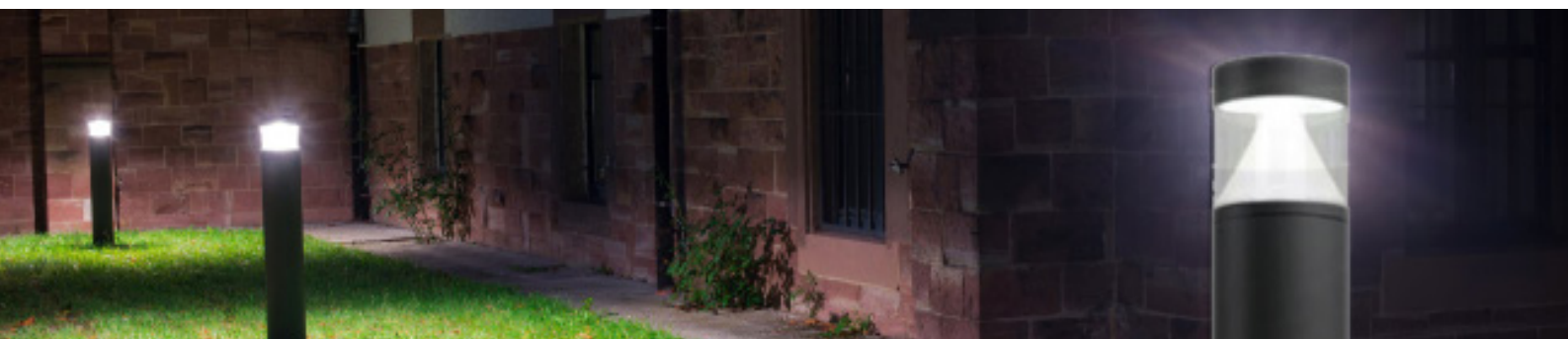
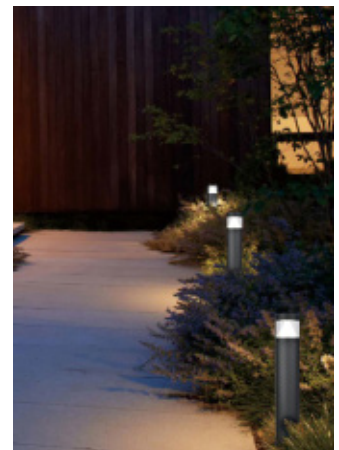
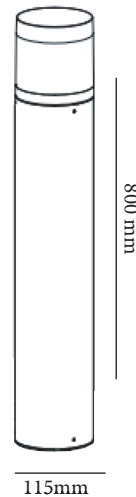
### GTL811

Outdoor Bollard - Black  
Aluminium Body with Clear PC diffuser  
25W COB LED  
1350Lm / 4000K  
Eaglerise driver included  
Class I  
IP65  
Diameter: 115mm  
Height: 800mm



### GTL812

Outdoor Bollard - Black  
Die-Cast Aluminium body with Clear PC diffuser  
Cree 25W COB LED  
1050Lm / 4000K  
Eaglerise driver included  
Class I  
IP65  
Diameter: 115mm  
Height: 800mm



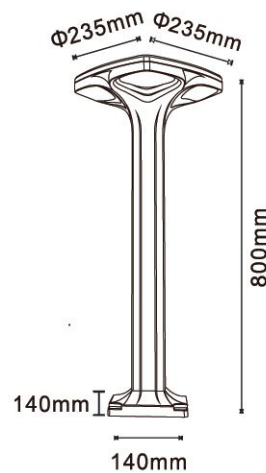
### LLY1066 - Bollard

Power: 10W  
 LEDs: 20pcs\* Everlight 2835 LED  
 Colour Temperature: 3000K & 4000K  
 Brightness: 496.1Lm  
 Class: I  
 IP Grade: IP65  
 110 - 240V/ 50Hz  
 Die-Cast Aluminium Housing  
 Extruded Aluminium Pole  
 Opal PC lens  
 Dimension: D140mm x H800mm



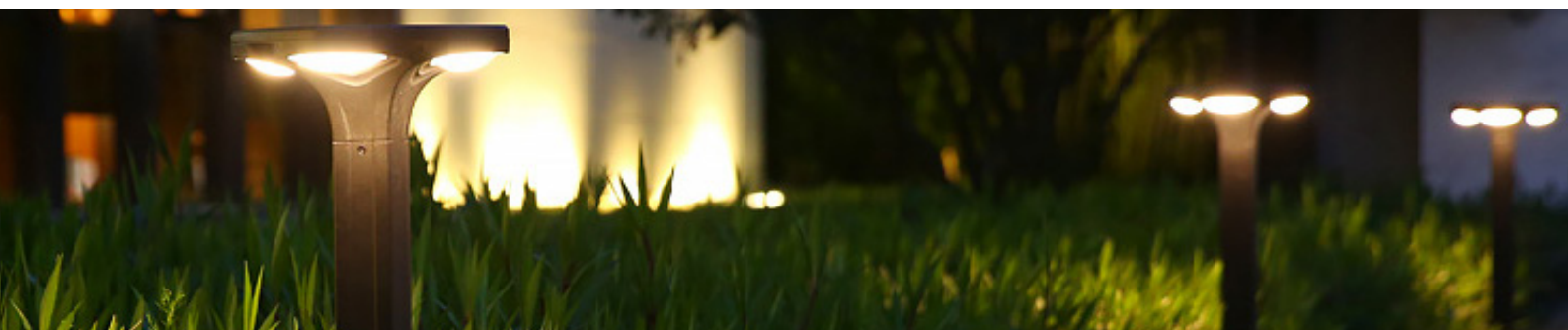
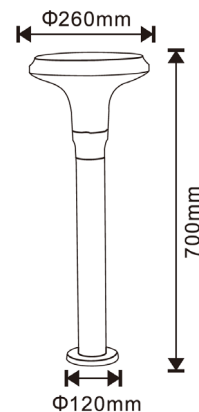
### SBE400 - Solar Bollard

Power: 5W  
 LEDs: 40pcs\* SMD2835  
 Colour Temperature: 3000K  
 Brightness: 500Lm  
 Solar Panel: Mono-5W/5V  
 IP Grade: IP65  
 Life PO4 Battery Pack: 3.2V/6.4AH/ replaceable  
 Dimension: W235mm x H800mm  
 Working Temperature: -20 °C +60 °C  
 Working Mode: Auto on at night, auto off at day  
 Charging Time: 6-8hrs direct sunshine to fully charge  
 Working Time(fully charge): 12 hours+  
 Housing Materials: Die-Cast Aluminium + PC  
 Lifespan: 35 000 Hours  
 Warranty: 3 Years (Inc. battery)



### SBE405 - Solar Bollard

Power: 4.5W  
 LEDs: 12pcs F8 CLUB LED  
 Colour Temperature: 4000K  
 Brightness: 500Lm  
 Solar Panel: Mono- 4.5W/5V  
 IP Grade: IP65  
 Life PO4 Battery Pack: 3.2V/8mAH/ replaceable  
 Dimension: W260mm x H700mm  
 Working Temperature: -20 °C +60 °C  
 Working Mode: Auto on at night, auto off at day  
 Charging Time: 6-8hrs direct sunshine to fully charge  
 Working Time(fully charge): 12 hours+  
 Housing Materials: Die-Cast Aluminium + PC  
 Lifespan: 35 000 Hours  
 Warranty: 2 Years (Inc. battery)





### UH301091 - Copper

Outdoor Wall Lantern  
Material: Polycarbonate  
Light Source: E27 LED  
Voltage Input: 220-240V~ 50/60Hz  
Protection Class: Class II  
IP Protection: IP44  
Height: 215mm  
Width: 112mm



### UH301091 - Black

Outdoor Wall Lantern  
Material: Polycarbonate  
Light Source: E27 LED  
Voltage Input: 220-240V~ 50/60Hz  
Protection Class: Class II  
IP Protection: IP44  
Height: 215mm  
Width: 112mm  
Depth: 185mm



### UH115122

Outdoor Wall Fitting Down  
Aluminium body with glass diffuser  
GU10 Max 35w  
220-240V~ 50/60Hz  
IP43  
Class I  
Matt Black  
Height: 181mm  
Depth: 94mm  
Width: 138mm



### UH115123

Outdoor Ballard Black  
Aluminium body with glass diffuser  
GU10 Max 35W  
220-240V~ 50/60Hz  
IP43  
Class I  
Matt Black  
Height: 800mm  
Width: 94mm

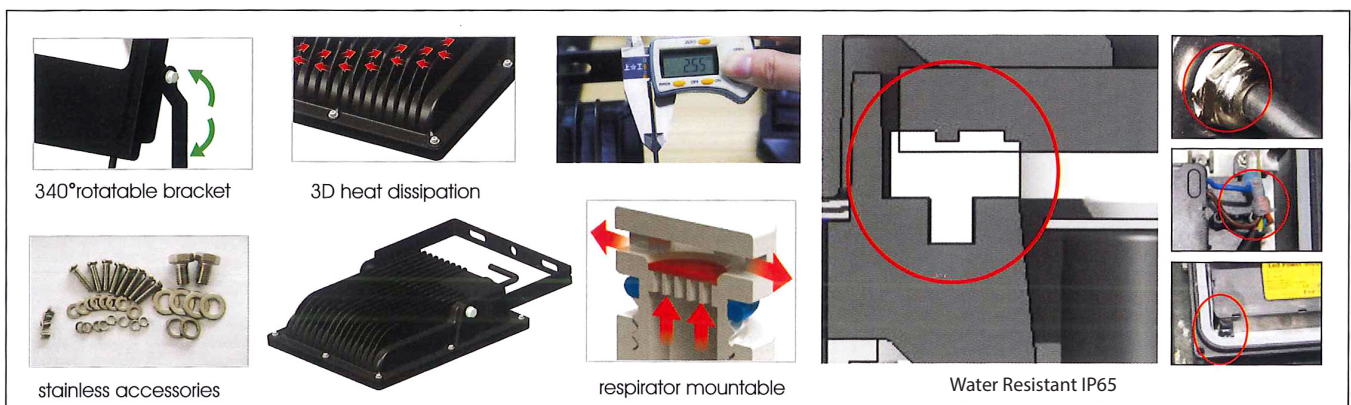


### FEATURES:

- Meanwell Non-Dim Driver
- 130lm / Watt
- Cree 2835 LEDs
- High reliability structure + stainless steel 316 screws
- Enhanced anti corrosion solution + 316 stainless steel bracket
- IES Files: YES

### SPECIFICATION:

- Die-cast ADC12 Aluminium Alloy Housing
- 4mm tempered glass cover, strong protection and good optical function
- Water Resistant: IP65
- Lifespan: 50 000 Hours/ 5 Years
- Operating temperature: - 20 - 50°C
- Storage temperature: - 40 - 60°C
- Power: 100W
- Power Input: 100 - 240VAC
- Lumen: 110lm
- CCT: 4000K
- CRI Rating: >0.95
- Beam Angle: 120°
- IES Files: Yes

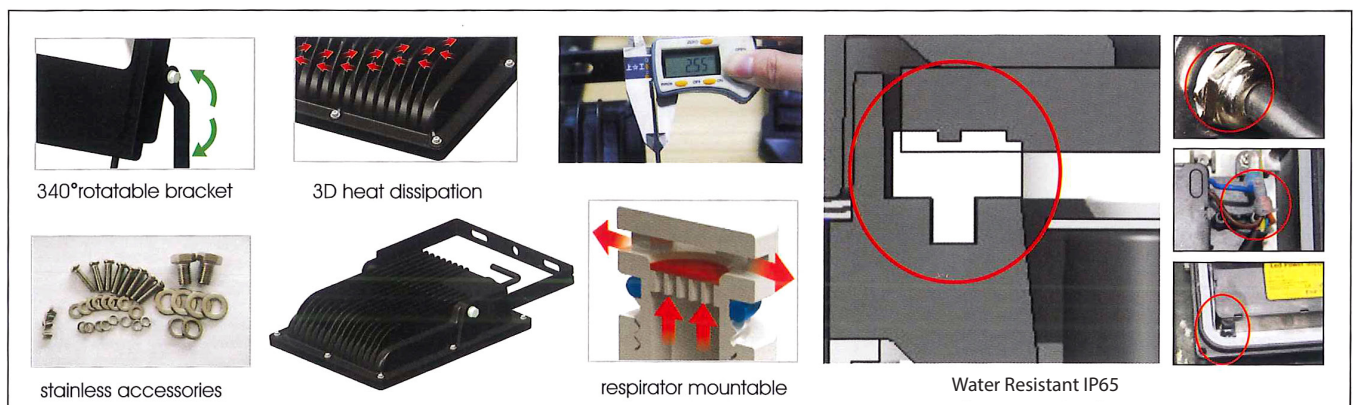


### FEATURES:

- Meanwell Non-Dim Driver
- 130lm / Watt
- Cree 2835 LEDs
- High reliability structure + stainless steel 316 screws
- Enhanced anti corrosion solution + 316 stainless steel bracket
- IES Files: YES

### SPECIFICATION:

- Die-cast ADC12 Aluminium Alloy Housing
- 4mm tempered glass cover, strong protection and good optical function
- Water Resistant: IP65
- Lifespan: 50 000 Hours/ 5 Years
- Operating temperature: - 20 - 50°C
- Storage temperature: - 40 - 60°C
- Power: 150W
- Power Input: 100 - 240VAC
- Lumen: 150lm
- CCT: 4000K
- CRI Rating: >0.95
- Beam Angle: 120°
- IES Files: Yes

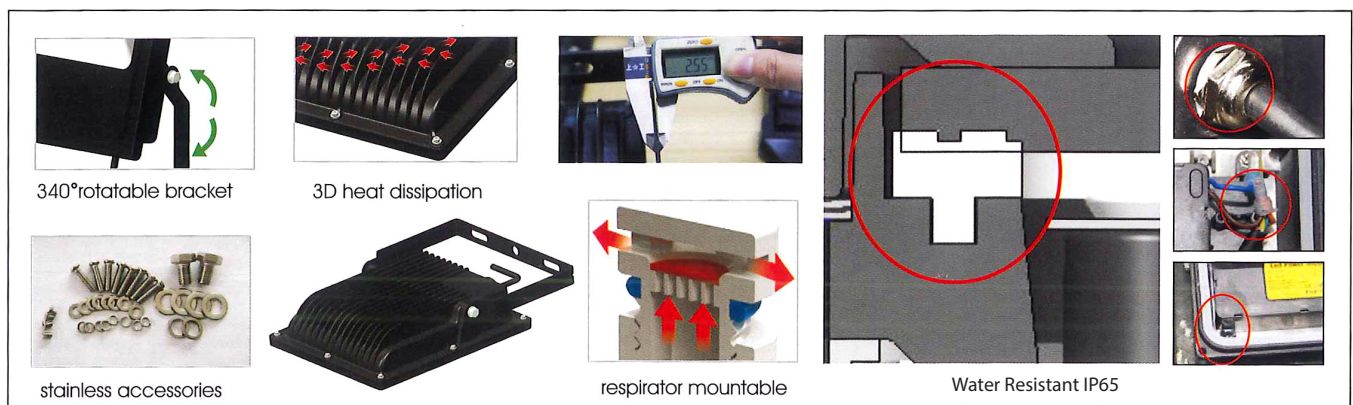


### FEATURES:

- Meanwell Non-Dim Driver
- 130lm / Watt
- Cree 2835 LEDs
- High reliability structure + stainless steel 316 screws
- Enhanced anti corrosion solution + 316 stainless steel bracket
- IES Files: YES

### SPECIFICATION:

- Die-cast ADC12 Aluminium Alloy Housing
- 4mm tempered glass cover, strong protection and good optical function
- Water Resistant: IP65
- Lifespan: 50 000 Hours/ 15 Years
- Operating temperature: - 20 - 50°C
- Storage temperature: - 40 - 60°C
- Power: 200W
- Power Input: 100 - 240VAC
- Lumen: 140lm
- CCT: 4000K
- CRI Rating: >0.95
- Beam Angle: 120°
- IES Files: Yes



### **GTL440 - White**

#### **GTL440/04 - Black**

Slim LED Floodlight  
AC 200~260V - 50/60Hz  
IP65  
10W - 750Lm - 4000K  
20 000 Hours/ 2 Years



### **GTL441 - White**

#### **GTL441/04 - Black**

Slim LED Floodlight  
AC 200~260V - 50/60Hz  
IP65  
20W - 1500Lm - 4000K  
20 000 Hours/ 2 Years



### **GTL442 - White**

#### **GTL442/04 - Black**

Slim LED Floodlight  
AC 200~260V - 50/60Hz  
IP65  
30W - 2250Lm - 4000K  
20 000 Hours/ 2 Years



### **GTL446 - White**

#### **GTL446/04 - Black**

Slim LED Floodlight  
AC 200~260V - 50/60Hz  
IP65  
50W - 3750Lm - 4000K  
20 000 Hours/ 2 Years



### **GTL443 - Black**

LED Floodlight with PIR Motion Sensor  
AC 200~260V,50/60Hz  
10W, SMD Chip  
750Lumen - 4000K  
IP44  
20 000 Hours/ 2 Years



### **GTL444 - Black**

LED Floodlight with PIR Motion Sensor  
AC 200~260V,50/60Hz  
20W, SMD Chip  
1500Lumen - 4000K  
IP44  
20 000 Hours/ 2 Years



### **GTL430 - Black**

LED Floodlight with PIR Motion Sensor  
AC 200~260V,50/60Hz  
30W, SMD Chip  
1500Lumen - 4000K  
IP44  
20 000 Hours/ 2 Years



### **GTL447 - White**

Slim LED Floodlight  
AC 200~260V - 50/60Hz  
IP65  
20W - 1500Lm - 4000K  
Day/Night Sensor  
20 000 Hours/ 2 Years



### **GTL448 - White**

Slim LED Floodlight  
AC 200~260V - 50/60Hz  
IP65  
30W - 2250Lm- 4000K  
Day/Night Sensor  
20 000 Hours/ 2 Years



### **GTL450 - Black**

Rechargeable Portable Work Light  
LED 10W - 6000K  
Black with Clear Glass  
Battery Life 2hrs  
Voltage: 3,7V - 50/60Hz  
IP54  
Aluminium die-casting Body  
20 000 Hours/ 2 Years



### COMPOSITE LED FLOODLIGHTS

- ASA Plastic Material for the frame, Super corrosion resistance
- Fin Aluminium for cooling parts
- 90-100lm/W
- 304 Stainless Steel bracket powdercoated
- 5 year warranty (subject to any form of misuse)
- Ideal for security lighting
- Ideal for warehouse floodlighting
- IES Files: Yes

#### ZLT302

Power: 50W  
Voltage Input: AC 85-265V  
Luminous Efficiency: 90-110 lm/W  
CCT: 4000K  
IP65  
CRI: >80  
Lumen: 4500lm  
Dimension: 194 x 253 x 95mm  
Life hours: 50 000Hrs / 5 Years  
Done Drivers

#### ZLT306

Power: 120W  
Voltage Input: AC 85-265V  
Luminous Efficiency: 120-130 lm/W  
CCT: 4000K  
IP65  
CRI: >80  
Lumen: 14 400lm  
Dimension: 310 x 320 x 93mm  
Life hours: 50 000Hrs / 5 Years  
Meanwell Drivers



### APPLICATION

Widely used at building, factory, storage room, public parking, exhibition building, domestic block, Garden and other outdoor lighting place

#### ZLT303

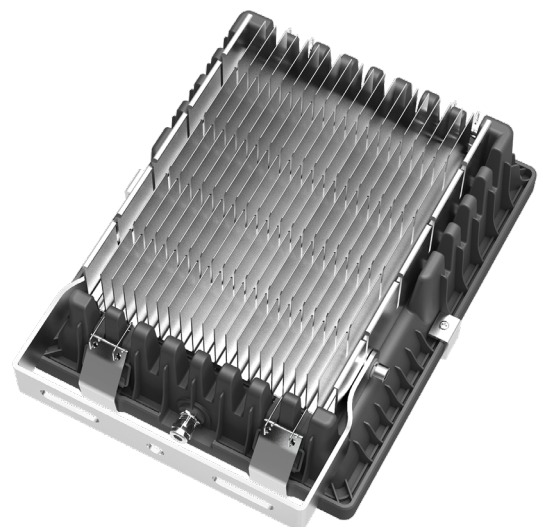
Power: 30W  
Voltage Input: AC 85-265V, Lumen: 2700lm  
Done Driver - IP65, CCT: 4000K  
Dimension: 178 x 215 x 81mm  
Life hours: 50 000Hrs / 5 Years

#### ZLT300

Power: 100W  
Voltage Input: AC 85-265V  
Luminous Efficiency: 90-110 lm/W  
CCT: 4000K  
IP65  
CRI: >80  
Lumen: 9000lm  
Dimension: 310 x 320 x 93mm  
Life hours: 50 000Hrs / 5 Years  
Meanwell Drivers

#### ZLT304

Power: 200W  
Voltage Input: AC 85-265V  
Luminous Efficiency: 90-110 lm/W  
CCT: 4000K  
IP65  
CRI: >80  
Lumen: 18000lm  
Dimension: 340 x 400 x 121mm  
Life hours: 50 000Hrs / 5 Years  
Meanwell Drivers





**GPX1230 - 3000K**  
**GPX1240 - 4000K**

Diameter: 260mm  
Depth: 55mm

12W LED - 840lm  
2835 SMD  
220~240V 50Hz  
120° Beam Angle  
IP20 Indoor use  
CRI >80  
25 000 Hours  
2 Year Warranty

White PS cover & Metal base.  
High quality light output.

Life-span is 6 times longer  
and 80% more energy  
efficient than the ordinary  
incandescent lamps.

**GPX1830 - 3000K**  
**GPX1840 - 4000K**

Diameter: 310mm  
Depth: 55mm

18W LED - 1260lm  
2835 SMD  
220~240V 50Hz  
120° Beam Angle  
IP20 Indoor use  
CRI >80  
25 000 Hours  
2 Year Warranty

White PS cover & Metal base.  
High quality light output.

Life-span is 6 times longer and  
80% more energy efficient  
than the ordinary incandescent  
lamps.

**GPX2430 - 3000K**  
**GPX2440 - 4000K**

Diameter: 350mm  
Depth: 55mm

24W LED - 1680lm  
2835 SMD  
220~240V 50Hz  
120° Beam Angle  
IP20 Indoor use  
CRI >80  
25 000 Hours  
2 Year Warranty

White PS cover & Metal base.  
High quality light output.

Life-span is 6 times longer  
and 80% more energy  
efficient than the ordinary  
incandescent lamps.

**3 STEP DIMMABLE - 100% / 45% / 10%**







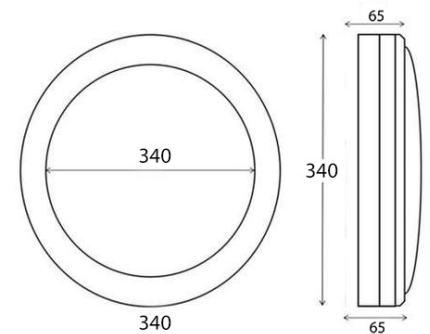
### GPX2540 - 4000K

LED Ceiling Light / Wall mounted Fitting Round  
Black Trim Ring  
Diameter: 340mm  
Depth: 65mm

20W LED - 1680lm  
2835 SMD  
220~240V 50Hz  
120° Beam Angle  
IP20 Indoor use  
CRI >80

3 Step Dimming (100% - 45% - 10%).  
White PS cover & Metal base.  
High quality light output.

Life-span is 6 times longer and 80% more energy efficient than the ordinary incandescent lamps.





### WLD LED CEILING RANGE

Finishing Color: Sand White/ Sand Black  
 CRI: >80  
 3 CCT - 3000K/ 4000K/ 6000K  
 PF:>0.9  
 IP20  
 Lamp source: SMD 2835 LED  
 Input: 220-240V - 50/60Hz  
 Material: Acrylic & Metal  
 Guarantee: 3 years

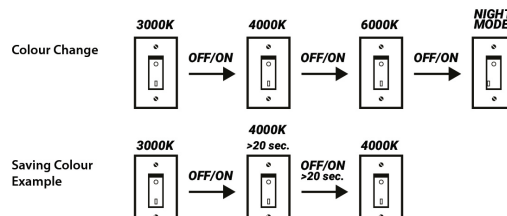
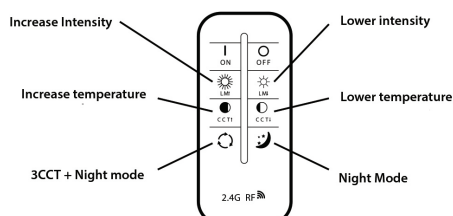


- WLD101 380mm - 36W Sand White - 2300lm**
- WLD103 580mm - 60W Sand White - 3900lm**
- WLD105 780mm - 80W Sand White - 6500lm**
- WLD109 1200mm - 180W Sand White - 14000lm**
- WLD102 380mm - 36W Sand Black - 2300lm**
- WLD104 580mm - 60W Sand Black - 3900lm**
- WLD106 780mm - 80W Sand Black - 6500lm**
- WLD110 1200mm - 180W Sand Black - 14000lm**

### INTENDED FOR:

Interior of Homes  
 Interior of Hotels  
 Interior of Commercial Buildings

Kelvin Colour change by switch or remote Dimming option from 100% - 5% with remote only





### WXX701 - LED Ceiling Fitting - Round

White  
Wattage: 12W  
Colour Temp: 4000K  
Lumens: 900Lm  
Diameter: 175mm / Height: 35mm



### WXX703 - LED Ceiling Fitting - Round

White  
Wattage: 18W  
Colour Temp: 4000K  
Lumens: 1400Lm  
Diameter: 227mm / Height: 35mm



### WXX705 - LED Ceiling Fitting - Round

White  
Wattage: 24W  
Colour Temp: 4000K  
Lumens: 1800Lm  
Diameter: 300mm / Height: 38mm



### Product Features:

- Easy to install and low maintenance cost.
- Wide range of applications
- Body: Die-cast aluminium
- Cover: PMMA LGP+ PP diffuser plate
- Applications: Homes, Shopping malls, Restaurant, etc
- IP20 Indoor use
- Class: II
- Beam Angle: 120°
- Ra: >80
- Lifespan: 25 000Hrs

LED

### ZCL308/SQR

LED ceiling / wall mounted fitting - Square  
4000K  
Surface mount  
Energy efficient  
Impact resistant  
Lifespan: 20 000Hrs  
18W  
L x W: 215mm  
Depth: 30mm



LED

### ZCL309/SQR

LED ceiling / wall mounted fitting - Square  
White  
4000K  
Surface mount  
Energy efficient  
Impact resistant  
Lifespan: 20 000Hrs  
24W  
L x W: 295mm  
Depth: 30mm

### LED CLIP-ON SLIM CEILING LIGHT

Super slim at only 15mm in height. Sliding springs to fit all types of ceilings. 2 in 1 Recessed and surface mounted installations. Clip-on magnet ring to change the setting colour. 3CCT Modes: Dip Switch, Push to fit, drag to detach, no screws needed.

Voltage: 200-240V AC Flicker free  
 Power Factor: >0.5  
 Ra: >80  
 Driver: Built-in Linear Driver  
 Brightness: High  
 Mounting: Recessed or Surface mount  
 Warranty: 2 Year Warranty  
 Pre-installed magnet for changing rings

#### ***SHL101***

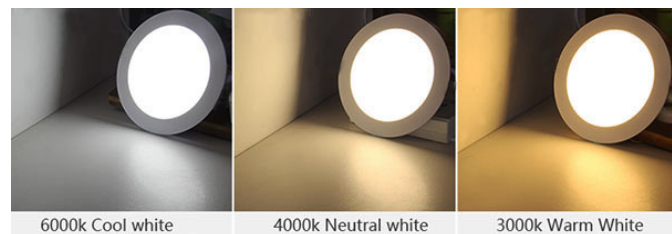
Wattage: 6W  
 CCT: 3CCT (3000K, 4000K, 6000K)  
 Luminous Flux: 85Lm/W  
 Beam Angle: 110°  
 Average Lifespan: 30 000Hrs  
 Dimmable: No  
 IP Rating: IP20

Diameter: 140mm  
 Height: 15mm  
 Cut-out: 55-100mm

#### ***SHL102***

Wattage: 12W  
 CCT: 3CCT (3000K, 4000K, 6000K)  
 Luminous Flux: 85Lm/W  
 Beam Angle: 110°  
 Average Lifespan: 30 000Hrs  
 Dimmable: No  
 IP Rating: IP20

Diameter: 165mm  
 Height: 15mm  
 Cut-out: 55-125mm



#### **OPTIONAL EXTRA**



### LED CLIP-ON SLIM CEILING LIGHT

Super slim at only 15mm in height. Sliding springs to fit all types of ceilings. 2 in 1 Recessed and surface mounted installations. Clip-on magnet ring to change the fitting colour. 3CCT Modes: Dip Switch. Push to fit, drag to detach, no screws needed.

Voltage: 200-240V AC Flicker free  
 Power Factor: >0.5  
 Ra: >80  
 Driver: Built-in Linear Driver  
 Brightness: High  
 Mounting: Recessed or Surface mount  
 Warranty: 2 Year Warranty  
 Pre-installed magnet for changing rings

#### ***SHL103***

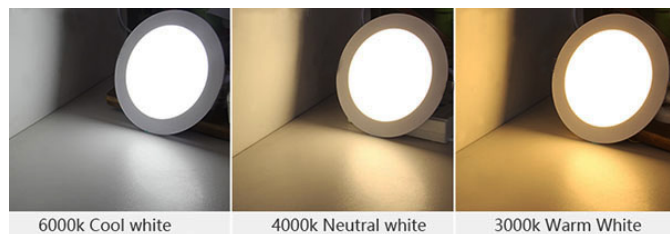
Wattage: 18W  
 CCT: 3CCT (3000K, 4000K, 6000K)  
 Luminous Flux: 85Lm/W  
 Beam Angle: 110°  
 Average Lifespan: 30 000Hrs  
 Dimmable: No  
 IP Rating: IP20

Diameter: 217mm  
 Height: 15mm  
 Cut-out: 55-175mm

#### ***SHL104***

Wattage: 24W  
 CCT: 3CCT (3000K, 4000K, 6000K)  
 Luminous Flux: 85Lm/W  
 Beam Angle: 110°  
 Average Lifespan: 30 000Hrs  
 Dimmable: No  
 IP Rating: IP20

Diameter: 290mm  
 Height: 15mm  
 Cut-out: 60-250mm



#### **OPTIONAL EXTRA**



### LED CLIP-ON SLIM CEILING LIGHT

Super slim at only 15mm in height. Sliding springs to fit all types of ceilings. 2 in 1 Recessed and surface mounted installations. Clip-on magnet ring to change the setting colour. 3CCT Modes: Dip Switch Push to fit, drag to detach, no screws needed.

Voltage: 200-240V AC Flicker free  
 Power Factor: >0.5  
 Ra: >80  
 Driver: Built-in Linear Driver  
 Brightness: High  
 Mounting: Recessed or Surface mount  
 Warranty: 2 Year Warranty  
 Pre-installed magnet for changing rings

#### ***SHL107***

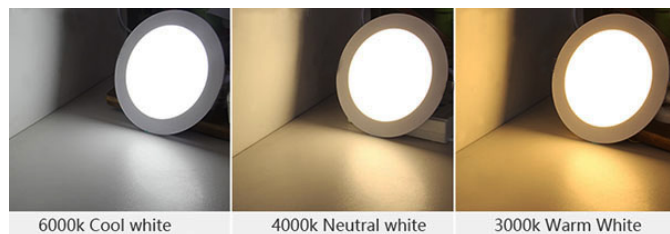
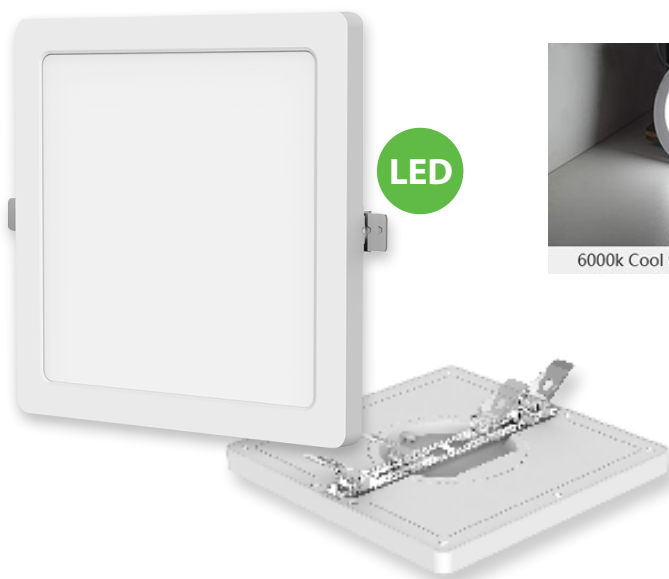
Wattage: 18W  
 CCT: 3CCT (3000K, 4000K, 6000K)  
 Luminous Flux: 85Lm/W  
 Beam Angle: 110°  
 Average Lifespan: 30 000Hrs  
 Dimmable: No  
 IP Rating: IP20

Length x Width: 217 x 217mm  
 Height: 15mm  
 Cut-out: 55-175mm

#### ***SHL108***

Wattage: 24W  
 CCT: 3CCT (3000K, 4000K, 6000K)  
 Luminous Flux: 85Lm/W  
 Beam Angle: 110°  
 Average Lifespan: 30 000Hrs  
 Dimmable: No  
 IP Rating: IP20

Length x Width: 290 x 290mm  
 Height: 15mm  
 Cut-out: 60-250mm



#### OPTIONAL EXTRA





### GPX1281

LED Round Ceiling fitting  
PMMA Diffuser  
12W LED  
220~240V 50Hz  
4000k  
Lifespan: 25 000Hrs  
IP20  
Diameter: 280mm  
Depth: 95mm

### GPX1351

LED Round Ceiling fitting  
PMMA Diffuser  
18W LED  
220~240V 50Hz  
4000k  
Lifespan: 25 000Hrs  
IP20  
Diameter: 350mm  
Depth: 115mm

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### GPX1402

LED Round Ceiling fitting  
PMMA Diffuser  
24W LED  
220~240V 50Hz  
4000k  
Lifespan: 25 000Hrs  
IP20  
Diameter: 400mm  
Depth: 120mm





### GPX1282

LED Round Ceiling fitting  
PMMA Diffuser with Star Effect  
12W LED  
220~240V 50Hz  
4000k  
Lifespan: 25 000Hrs  
IP20  
Diameter: 280mm  
Depth: 95mm

### GPX1352

LED Round Ceiling fitting  
PMMA Diffuser with Star Effect  
18W LED  
220~240V 50Hz  
4000k  
Lifespan: 25 000Hrs  
IP20  
Diameter: 350mm  
Depth: 115mm

### GPX1403

LED Round Ceiling fitting  
PMMA Diffuser with Star Effect  
24W LED  
220~240V 50Hz  
4000k  
Lifespan: 25 000Hrs  
IP20  
Diameter: 400mm  
Depth: 120mm

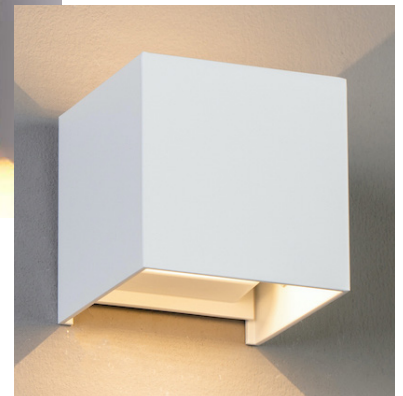
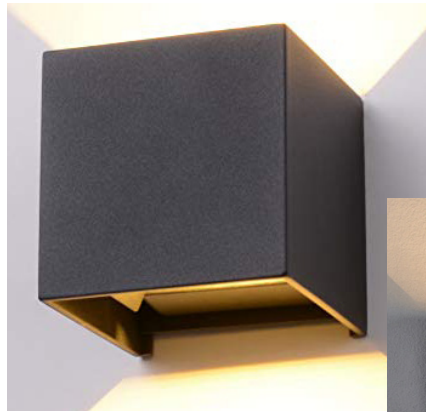






### **KD171-30**

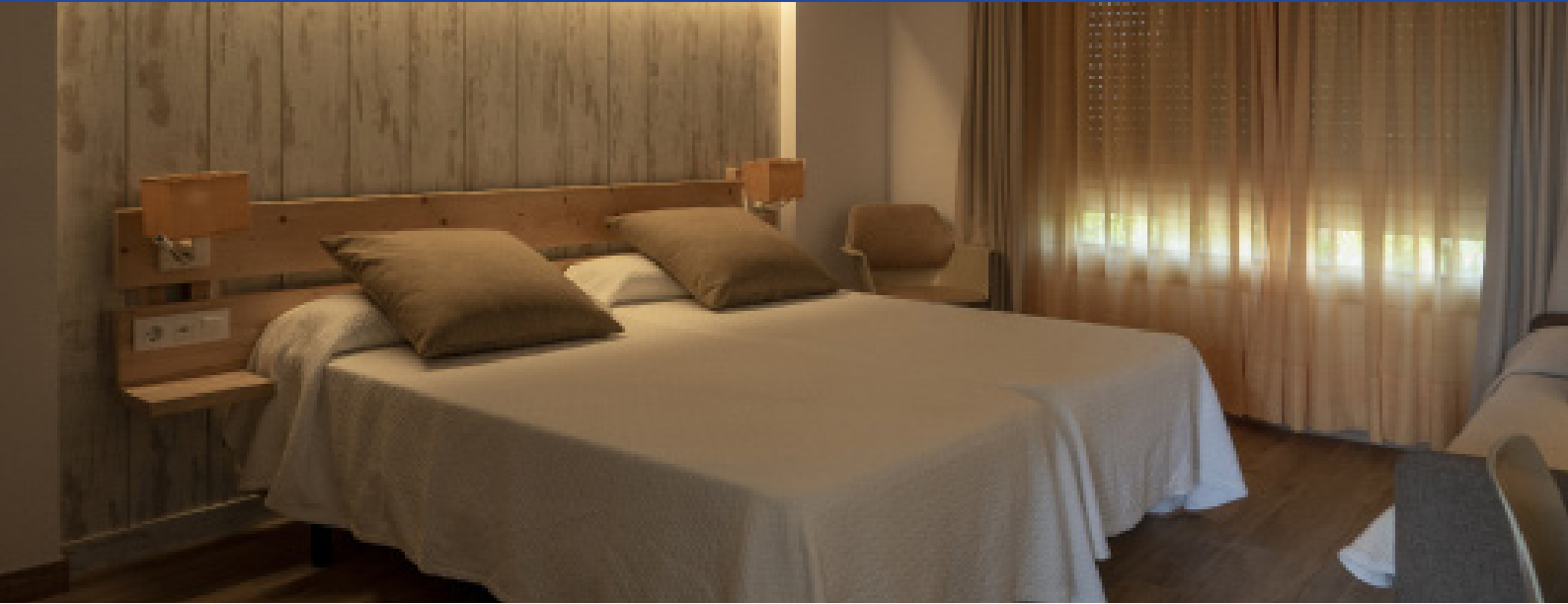
Wall Light  
Available in Black & White  
AC 85-265V ~ 50/60Hz  
50/60Lumen  
Ra>80, IP65  
3000K  
Beam Angle: 21°  
7Watt, COB  
On-Off Switch  
Height: 100mm  
Depth: 100mm  
Width: 100mm  
Aluminum Alloy Body



### **LWA297-04**

Wall Light  
Available in Sand Black  
600LM - 3000K - IP20  
Aluminium  
Powder coated  
Beam - Acrylic Diffuser  
Heigh: 127mm  
Depth: 164mm  
Diameter: 148mm  
Wall Mounted - Indoor Only





### KD170 - 30

Wall Light  
Available in Black, White & Brass  
AC 85-265V ~50/60Hz  
70/80 Lumen  
Ra>80, IP44  
3000K  
Beam Angle: 30°  
3 Watt LED  
Height: 170 mm  
Length: 90mm  
Width: 60mm  
Aluminum Alloy Body  
PC Diffuser



### KD100 - 30

Wall Light  
Available in Black, White  
AC 100-265V ~50/60Hz  
70/80 Lumen  
Ra>80, IP44  
3000K  
Beam Angle: 30°  
3 Watt LED  
Head: 25mm x 60mm  
Base: 64mm x 28mm  
Length: 8mm x 300mm  
1,8M Lead and 2Pin Plug  
Aluminum Alloy Body  
Bridgelux, On-Off Switch, 5V USB Port



### KD108-30-04

Wall Light  
 Available in Black  
 3 + 3W Cree LED Chip  
 AC 85-265V Done Driver  
 70/80 Lumen  
 Ra>80, IP44  
 3000K  
 3 Watt LED  
 Depth: 120 mm  
 Length: 30mm  
 Height: 260mm  
 Aluminum Alloy Body  
 1PC 5V USB - C Port  
 and 2PC On/Off Switch



### KD109-30-25

Wall Light  
 Available in White  
 AC 85-265V ~50/60Hz  
 70/80 Lumen  
 Ra>80, IP44  
 3000K  
 Beam Angle: 30°  
 1 x 3W LED  
 1 x E27, Done Driver  
 Height: 275mm  
 Depth: 170mm  
 Aluminum Alloy Body  
 1PC 5V USB - C Port  
 & Single Head +  
 and 2PC On/Off Switch



### KD172-30-25

Wall Light  
 Available in White  
 AC 85-265V ~ 50/60Hz  
 70/80 Lumen  
 Ra>80, IP65  
 3000K  
 3 + 8Watt, Ajustable  
 2PCS On-Off Switch  
 Height: 68mm  
 Depth: 140mm  
 Width: 140mm  
 Aluminum Alloy Body



### KD173-30-25

Wall Light  
 Available in White  
 AC 85-265V ~ 50/60Hz  
 144Lumen  
 Ra>80, IP20  
 3000K  
 4,5 Watt, with single  
 On-Off Switch  
 Height: 68mm  
 Depth: 140mm  
 Width: 140mm  
 Aluminum Body

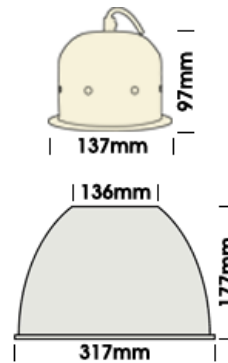


### PEN1041

Acrylic Pendant Fitting  
Aluminium cap  
Clear Acrylic Diffuser - 317mm  
E27 / 240V

#### Parts:

Code: SN162 - Small Cap  
Code: GTL098 - Acrylic Dome Small  
Suitable for E27 LED Lamps



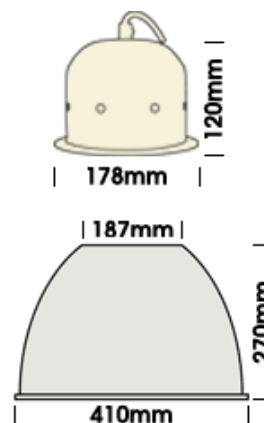
\*When using Acrylic Bottom Covers - Only use CFL or LED lamp types

### PEN1042

Acrylic Pendant Fitting  
Aluminium cap  
Clear Acrylic Diffuser - 410mm  
E27 / 240V

#### Parts:

Code: SN163 - Medium Cap  
Code: GTL099 - Acrylic Dome Medium  
Suitable for E27 LED Lamps



\*When using Acrylic Bottom Covers - Only use CFL or LED lamp types



**PAL221**  
5W LED Bulb  
E27(ES) Lampholder  
Colour Temp: 4000K  
Lumen: 450  
Width: 50mm  
Height: 96mm



**PAL222**  
9W LED Bulb  
E27(ES) Lampholder  
Colour Temp: 4000K  
Lumen: 810  
Width: 60mm  
Height: 115mm



**PAL223**  
13W LED Bulb  
E27(ES) Lampholder  
Colour Temp: 4000K  
Lumen: 1170  
Width: 70mm  
Height: 122mm



**PAL224**  
24W LED Bulb  
E27(ES) Lampholder  
Colour Temp: 4000K  
Lumen: 2160  
Width: 100mm  
Height: 173mm



**PAL225**  
38W LED Bulb  
E27(ES) Lampholder  
Colour Temp: 4000K  
Lumen: 3420  
Width: 125mm  
Height: 215mm



### WXX430/3CCT

#### BACKLIT LED PANEL - CCT COLOUR CHANGEABLE - 36W

Non Dimmable

Length: 595mm

Width: 595mm

Depth: 32mm

- UNIFORM LIGHT EFFECT WITH OPTIC LENS.
- INTEGRATED IRON PLATE DESIGN PROVIDES EXCELLENT THERMAL MANAGEMENT.
- CONCISE DESIGN OFFERS HIGH COST PERFORMANCE.
- BUILT-OUT DRIVER.
- INSTALLATION: RECESSED, SUSPENDED AND SURFACE MOUNTED.

Wattage: 36W

Voltage: 200-240V AC Flicker free driver

LED Module Input: 30-42V DC 850mA

Light Source: SMD

CCT: 3-CCT - 3000K + 4000K + 5700K

CCT Selection DIP Switch: Yes

Dimmable: No

Luminous Flux +/- 5%: 3175-3300Lm

Lumens per Watt: 90-100Lm

CRI: >80

Beam Angle: 120°

UGR: 22

Electrical Class: Class II

IP Rating: IP40

Product Finishing(Base): White

Material of Optics: PMMA(Lens) + PS(Diffuser) + Aluminium(Frame)

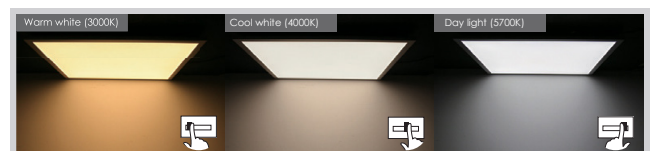
Average Lifetime: 50 000Hr

Operating Temperature: -20°C ~ 45°C

Storage Temperature: -20°C ~ 65°C

Extra Available: WXX401 Surface Frame

IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**

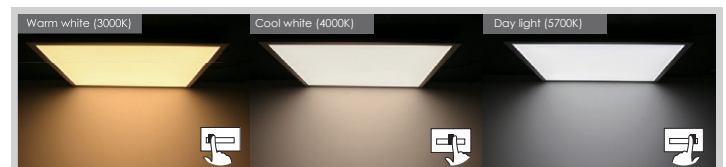
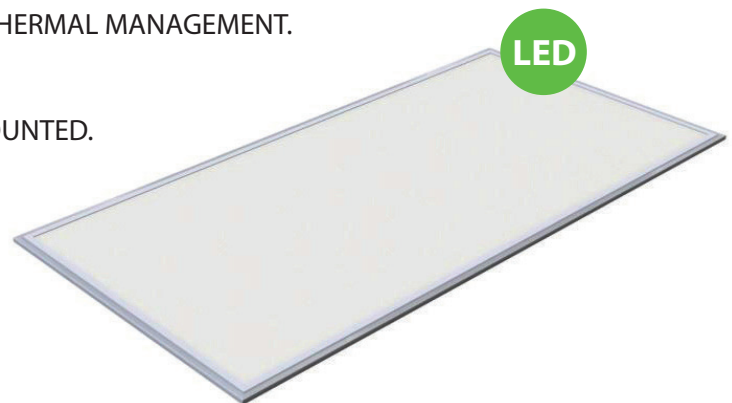


### **WXX460/3CCT** **BACKLIT LED PANEL - CCT COLOUR CHANGEABLE - 60W** Non Dimmable

Length: 1195mm  
Width: 595mm  
Depth: 32mm

- UNIFORM LIGHT EFFECT WITH OPTIC LENS.
- INTEGRATED IRON PLATE DESIGN PROVIDES EXCELLENT THERMAL MANAGEMENT.
- CONCISE DESIGN OFFERS HIGH COST PERFORMANCE.
- BUILT-OUT DRIVER.
- INSTALLATION: RECESSED, SUSPENDED AND SURFACE MOUNTED.

Wattage: 60W  
Voltage: 200-240V AC Flicker free driver  
LED Module Input: 30-42V DC 850mA  
Light Source: SMD  
CCT: 3-CCT - 3000K + 4000K + 5700K  
CCT Selection DIP Switch: YES  
Dimmable: No  
Luminous Flux +/- 5%: 5290-5520Lm  
Lumens per Watt: 90-100Lm  
CRI: >80  
Beam Angle: 120°  
UGR: 22  
Electrical Class: Class II  
IP Rating: IP40  
Product Finishing(Base): White  
Material of Optics: PMMA(Lens) + PS(Diffuser) + Aluminium(Frame)  
Average Lifetime: 50 000Hr  
Operating Temperature: -20°C ~ 45°C  
Storage Temperature: -20°C ~ 65°C  
Extra Available: WXX402 Surface Frame  
IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



### **WXX432 - 4000K BACKLIT LED PANEL - 36W**

Non Dimmable

Length: 595mm

Width: 595mm

Depth: 32mm

- UNIFORM LIGHT EFFECT WITH OPTIC LENS.
- INTEGRATED IRON PLATE DESIGN PROVIDES EXCELLENT THERMAL MANAGEMENT.
- CONCISE DESIGN OFFERS HIGH COST PERFORMANCE.
- BUILT-OUT DRIVER.
- INSTALLATION: RECESSED, SUSPENDED AND SURFACE MOUNTED.

Wattage: 36W

Voltage: 200-240V AC Flicker free driver

LED Module Input: 28-42V DC 900mA

Light Source: SMD

CCT: 4000K

Dimmable: No

Luminous Flux +/- 5%: 3240-3600Lm

Lumens per Watt: 90-100Lm

CRI: >80

Beam Angle: 120°

UGR: 22

Electrical Class: Class II

IP Rating: IP40

Product Finishing(Base): White

Material of Optics: PMMA(Lens) + PS(Diffuser) + Aluminium(Frame)

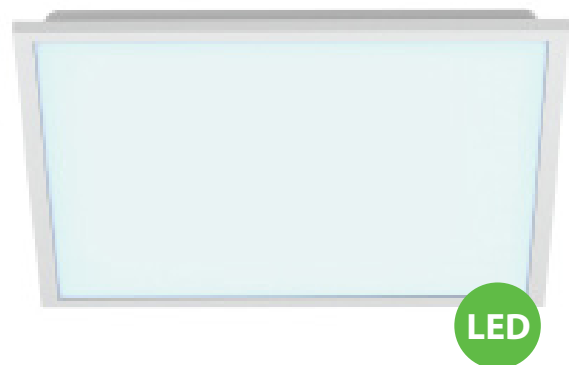
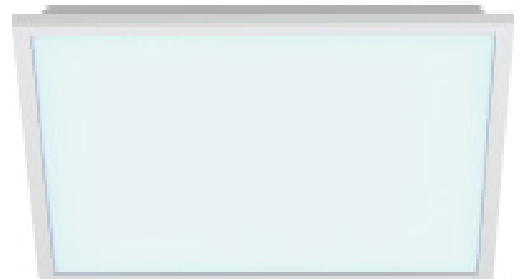
Average Lifetime: 50 000Hr

Operating Temperature: -10°C ~ 40°C

Storage Temperature: -20°C ~ 65°C

Extra Available: WXX401 Surface Frame.

IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



### WXX435/3CCT LED PANEL - CCT COLOUR CHANGEABLE - 36W

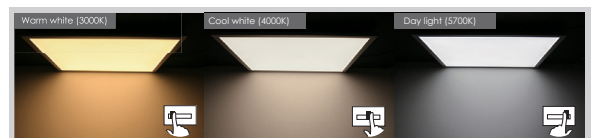
Non Dimmable

Length: 1200mm  
Width: 300mm  
Depth: 32mm



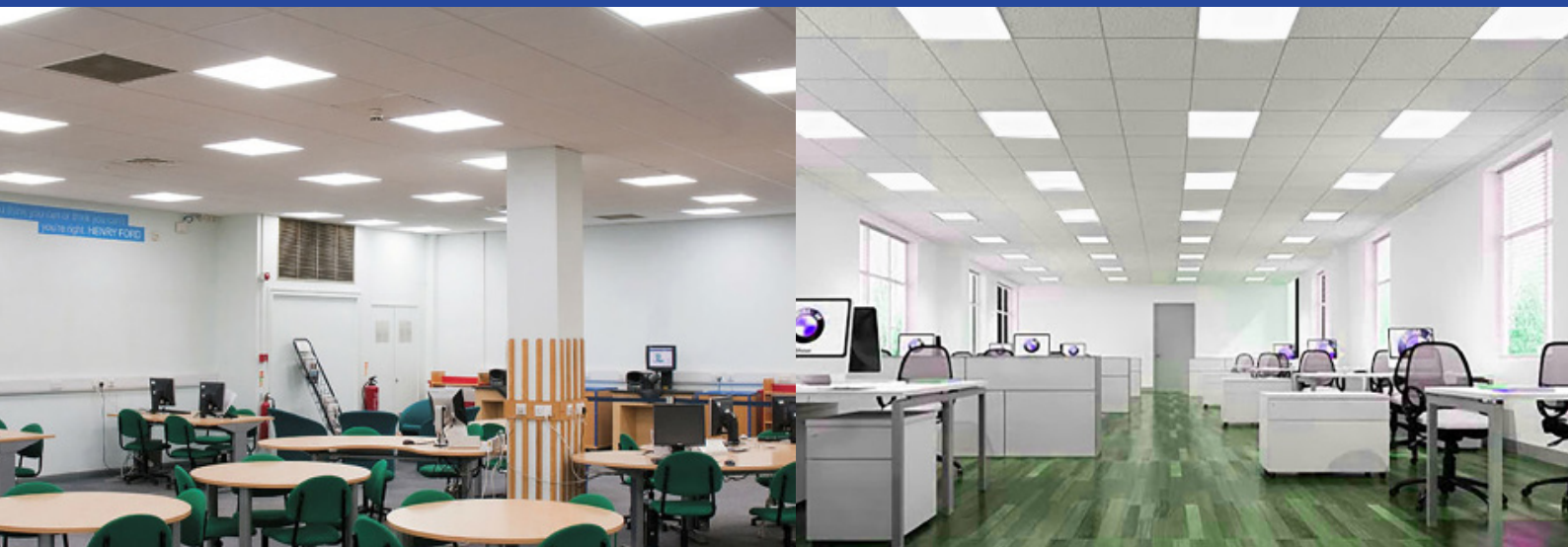
- UNIFORM LIGHT EFFECT WITH OPTIC LENS.
- INTEGRATED IRON PLATE DESIGN PROVIDES EXCELLENT THERMAL MANAGEMENT.
- CONCISE DESIGN OFFERS HIGH COST PERFORMANCE.
- BUILT-OUT DRIVER.
- INSTALLATION: RECESSED, SUSPENDED AND SURFACE MOUNTED.

Wattage: 36W  
Voltage: 200-240V AC Flicker free driver  
LED Module Input: 28-42V DC 900mA  
Light Source: SMD  
CCT: 3-CCT - 3000K + 4000K + 5700K  
CCT Selection DIP Switch: YES  
Dimmable: No  
Luminous Flux +/- 5%: 3240-3600Lm  
Lumens per Watt: 90-100Lm  
CRI: >80  
Beam Angle: 120°  
UGR: 22  
Electrical Class: Class II  
IP Rating: IP40  
Product Finishing(Base): White  
Material of Optics: PMMA(Lens) + PS(Diffuser) + Aluminium(Frame)  
Average Lifetime: 50 000Hr  
Operating Temperature: -10°C ~ 40°C  
Storage Temperature: -20°C ~ 65°C  
Extra Available: WXX403 Surface Frame.  
IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**





### WXX462 - 4000K LED PANEL - 60W

Non Dimmable

Length: 1195mm

Width: 595mm

Depth: 32mm

- UNIFORM LIGHT EFFECT WITH OPTIC LENS.
- INTEGRATED IRON PLATE DESIGN PROVIDES EXCELLENT THERMAL MANAGEMENT.
- CONCISE DESIGN OFFERS HIGH COST PERFORMANCE.
- BUILT-OUT DRIVER.
- INSTALLATION: RECESSED, SUSPENDED AND SURFACE MOUNTED.

Wattage: 60W

Voltage: 200-240V AC Flicker free driver

LED Module Input: 28-42V DC 1500mA

Light Source: SMD

CCT: 4000K

Dimmable: No

Luminous Flux +/- 5%: 5400-6000Lm

Lumens per Watt: 90-100Lm

CRI: >80

Beam Angle: 120°

UGR: 22

Electrical Class: Class II

IP Rating: IP40

Product Finishing(Base): White

Material of Optics: PMMA(Lens) + PS(Diffuser) + Aluminium(Frame)

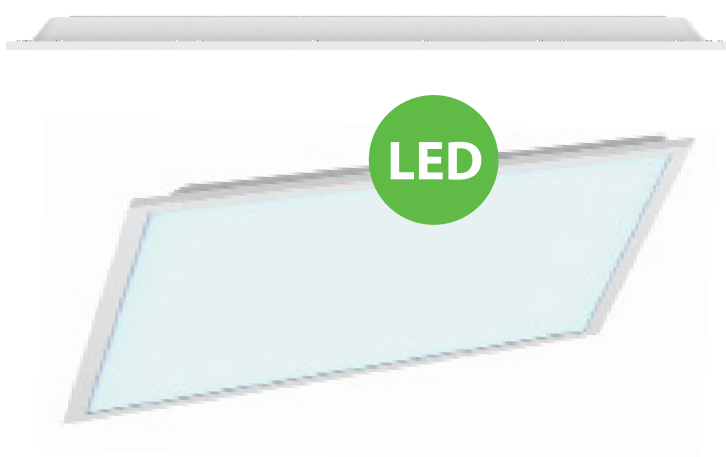
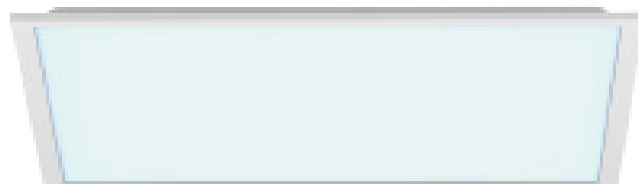
Average Lifetime: 50 000Hr

Operating Temperature: -10°C ~ 40°C

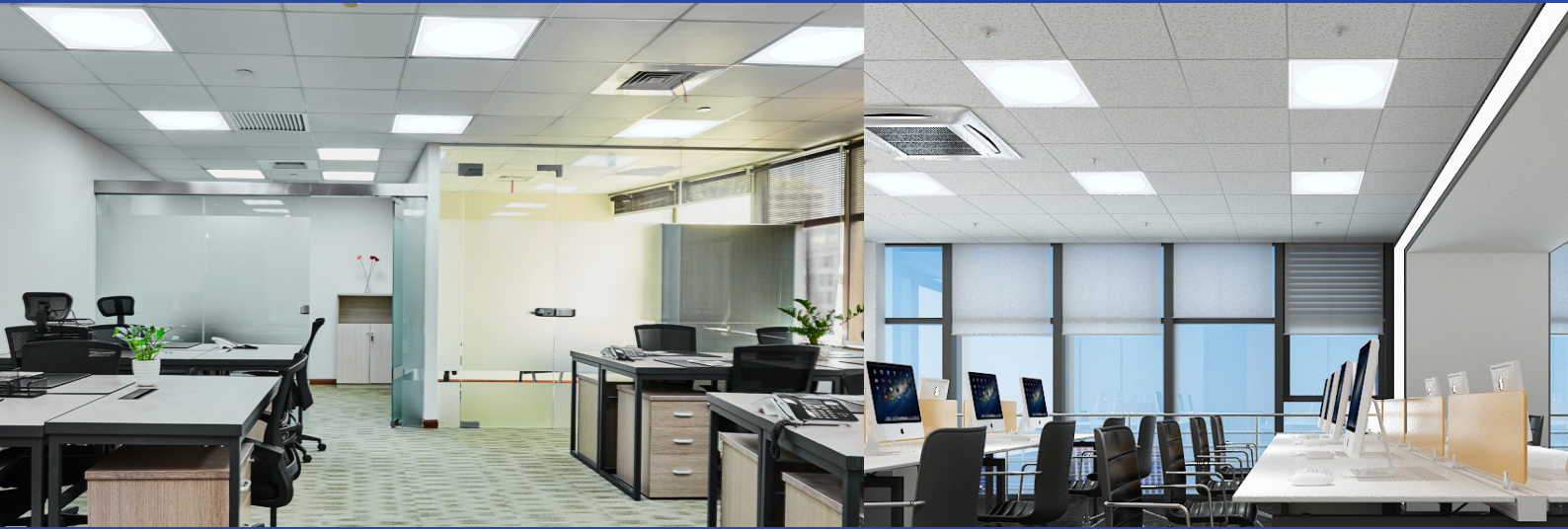
Storage Temperature: -20°C ~ 65°C

Extra Available: WXX402 Surface Frame.

IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage**



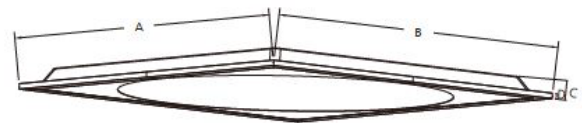
## WXX436 - 4000K CIRCULAR PANEL - 36W

Non Dimmable

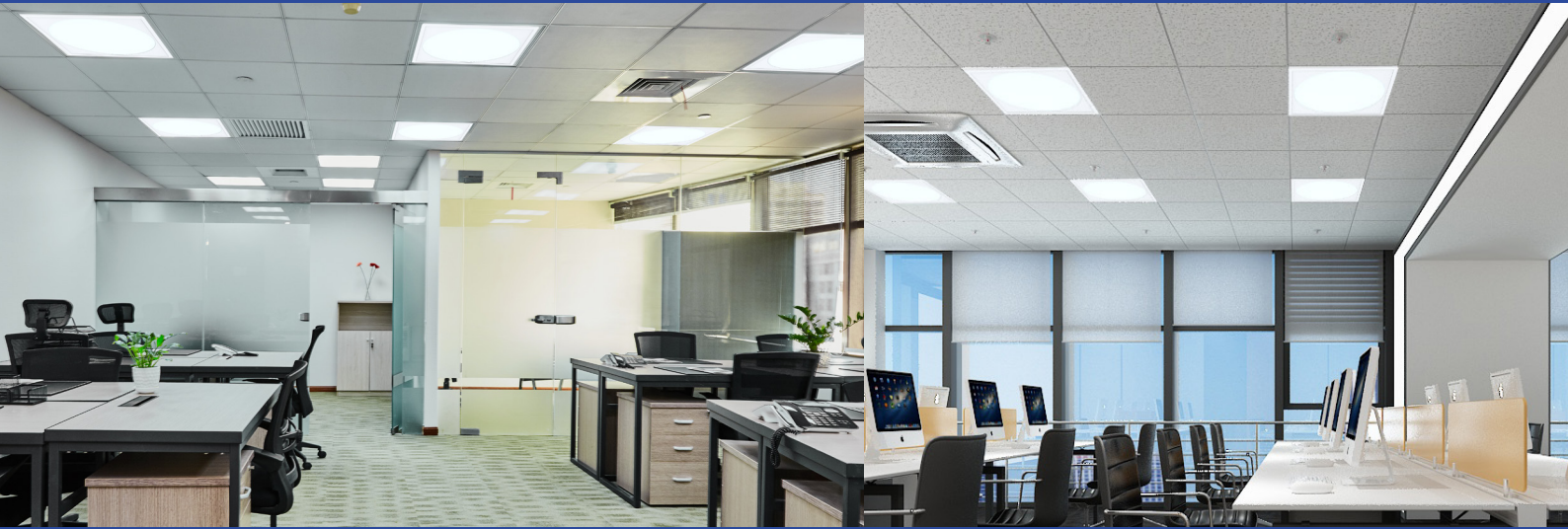
Length: 595mm  
Width: 595mm  
Depth: 32mm

Dimmable: No  
Operation Type: -10°C ~ 40°C  
Average Lifetime: 50 000Hrs  
Type LED: 2835  
IP Rating: IP20

Wattage(W): 36W  
CCT: 4000K  
Luminous Flux(lm): 3750 - 4200lm  
Luminous efficiency(lm/W): 116lm/w  
Input Voltage(V): AC220-240V  
Input Frequency(Hz): 50/60Hz  
Power Factor: >0.9  
Driver Output Voltage(Vdc): DC33-38V  
Driver Output Current(mA): 950mA  
CRI: >80  
UGR<19  
Beam Angle(°): 120°  
Materials of Optics: PMMA(Lens) + PS(Diffuser)  
Materials of Housing: Aluminium (Frame)  
Finishing Colour: White  
Warranty: 5 Years  
IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



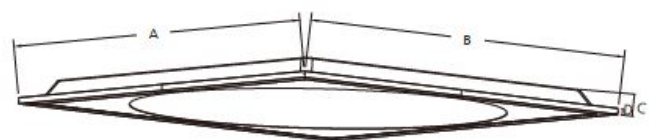
### WXX437/3CCT CIRCULAR PANEL - 36W

Non Dimmable

Length: 595mm  
Width: 595mm  
Depth: 32mm

Dimmable: No  
Operation Type: -10°C ~ 40°C  
Average Lifetime: 50 000Hrs  
Type LED: 2835 SMD  
IP Rating: IP20

Wattage(W): 36W  
3 CCT: 3000K/ 4000K/ 5700K (Dip switch)  
Luminous Flux(lm): 3550 - 4000lm  
Luminous efficiency(lm/W): 111lm/w  
Input Voltage(V): AC220-240V  
Input Frequency(Hz): 50/60Hz  
Power Factor: >0.9  
Driver Output Voltage(Vdc): DC33-38V  
Driver Output Current(mA): 950mA  
CRI: >80  
UGR<19  
Beam Angle(°): 120°  
Materials of Optics: PMMA(Lens) + PS(Diffuser)  
Materials of Housing: Aluminium (Frame)  
Finishing Colour: White  
Warranty: 5 Years  
IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



## WXX438 - 4000K

### UGR DIFFUSED PANEL - 36W

Dimmable Triac / Dali / 0-10V - Optional

Length: 595mm

Width: 595mm

Depth: 49mm

Dimmable: Triac / Dali / 0-10V - Optional

Operation Type: -10°C ~ 40°C

Average Lifetime: 50 000Hrs

Type LED: 2835 SMD

IP Rating: IP20

Wattage(W): 36W

CCT(K): 4000K

Luminous Flux(lm): 3100 - 3600lm

Luminous efficiency(lm/W): 100lm/w

Input Voltage(V): AC220-240V

Input Frequency(Hz): 50/60Hz

Power Factor: >0.9

Driver Output Voltage(Vdc): DC33-38V

Driver Output Current(mA): 950mA

CRI: >80

UGR<19

Beam Angle(°): 90°

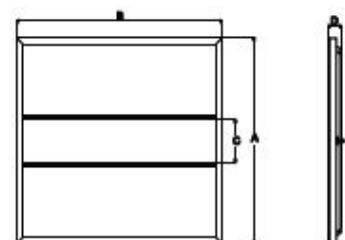
Materials of Optics: PMMA(Lens) + PS(Diffuser)

Materials of Housing: Aluminium (Frame)

Finishing Colour: White

Warranty: 5 Years

IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



### WXX439 - 4000K

#### GL-P DIRECT LED PANEL - 35W

Dimmable Triac / Dali / 0-10V - Optional

Length: 595mm

Width: 595mm

Depth: 23.5mm

Dimmable: Triac / Dali / 0-10V - Optional

Operation Type: -20°C ~ 45°C

Average Lifetime: 50 000Hrs

IP Rating: IP40

LED Type : SMD

Wattage(W): 35W

CCT(K): 4000K

Luminous Flux(lm): 3705 - 3990lm

Luminous efficiency(lm/W): 114lm/w

Input Voltage(V): AC220-240V

Input Frequency(Hz): 50/60Hz

Power Factor: >0.9

CRI: >80

UGR<19

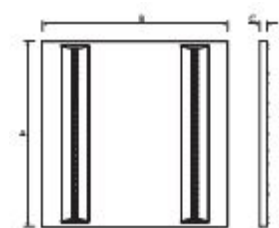
Beam Angle(°): 80°

Materials of Optics: PC + ABS

Finishing Colour: White

Warranty: 5 Years

IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



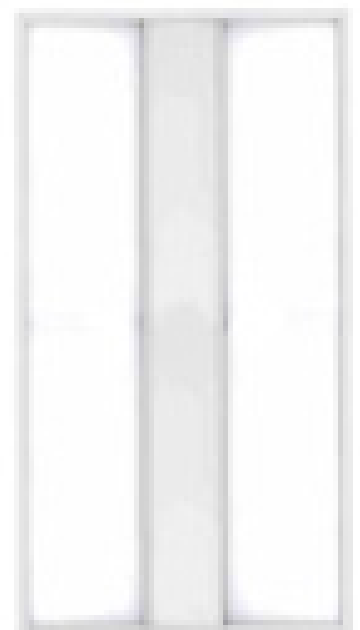
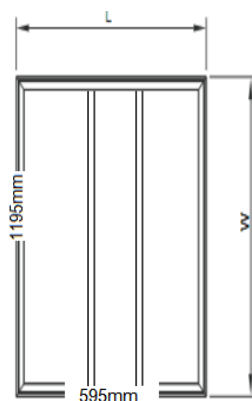
**WXX466 - 4000K**  
**UGR DIFFUSED PANEL - 60W**

Non Dimmable

Length: 1195mm  
 Width: 595mm  
 Depth: 49mm

Dimmable: Not dimmable  
 Operation Type:-10°C ~ 40°C  
 Average Lifetime: 50 000Hrs  
 Type LED: 2835 SMD  
 IP Rating: IP20

Wattage(W): 60W  
 CCT(K): 4000K  
 Luminous Flux(lm): 5460 - 6500lm  
 Luminous efficiency(lm/W): 108lm/w  
 Input Voltage(V): AC220-240V  
 Input Frequency(Hz): 50/60Hz  
 Power Factor: >0.9  
 Driver Output Voltage(Vdc): DC33-38V  
 Driver Output Current(mA): 1500mA  
 CRI: >80  
 UGR<19  
 Beam Angle(°): 90°  
 Materials of Optics: PMMA(Lens) + PS(Diffuser)  
 Materials of Housing: Aluminium (Frame)  
 Finishing Colour: White  
 Warranty: 5 Years  
 IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



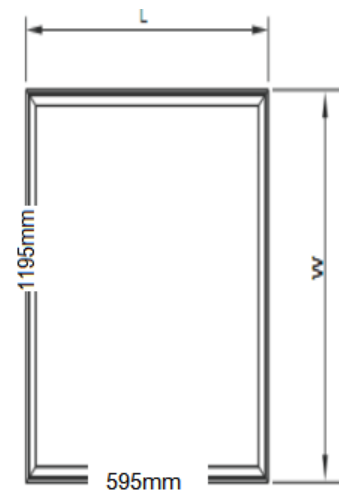
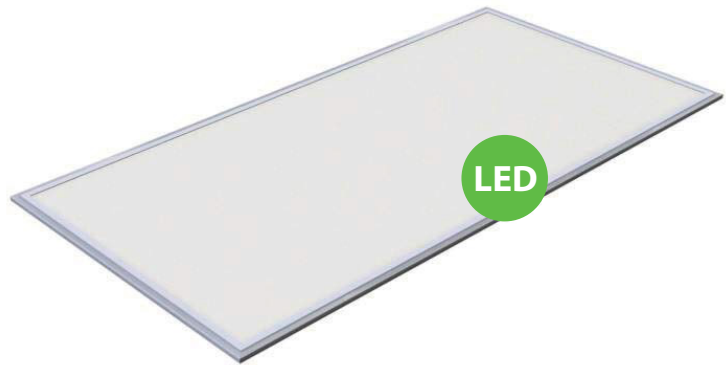
### WXX541- 4000K BACKLIT LED PANEL - 60W

Non Dimmable

Length: 1195mm  
Width: 595mm  
Depth: 32mm

Dimmable: No  
Operation Type: Direct replacement  
Base or Connection Type: Terminal  
Average Lifetime: 50 000Hrs  
Type LED: 2835  
Brand of Driver/Model.NO.: BOKE  
IP Rating: IP20

Wattage(W): 60W  
CCT(K): 4000K  
Luminous Flux(lm): 6000lm  
Luminous efficiency(lm/W): 100lm/w  
Input Voltage(V): 220-240v  
Input Frequency(Hz): 50/60Hz  
Power Factor: >0.9  
Driver Output Voltage(Vdc): 30-40V  
Driver Output Current(mA): 1050mA  
Operation Temperature: -20~40 °C  
CRI: >80  
UGR<19  
Beam Angle(°): 120  
Heat Sink: Aluminium  
Diffuser: PS  
Finishing Colour: White  
Warranty: 5 Years  
Including 3m lead and 5amp plug top



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



### WXX603/3CCT INDIRECT RECESSED LED PANEL LIGHT - 33W

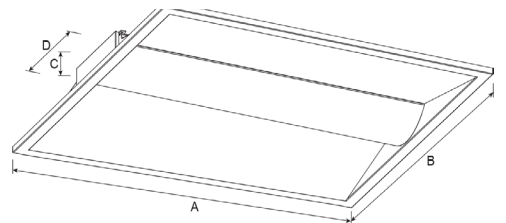
Body Material: PC/Iron finished White RAL 9016  
Diffuser: PC Polycarbonate

Length: 595mm  
Width: 595mm  
Depth: 54mm

Driver: Flicker Free - 50 000 hrs  
Chip 2835 SMD  
CRI80  
Lumen Output: 3100 - 3850LM  
Beam Angle: 120°  
Wattage: 33W  
3CCT: 3000K, 4000K, 5700K  
IP Rating: IP20  
Power Factor: 0.9  
Voltage: 220V - 240V  
Dali Dimmable Optional Extra: Yes  
Installation: Recessed  
Warranty: 5 Years  
IES Files: YES

#### FEATURES

1. Up to 80% energy saving compared to standard CFL.
2. Long lifetime of 50,000 hours.
3. Slide switch for inter changeable CCT(3000K, 4000K, 5700K).
4. No UV/IR light.
5. Environment friendly, without Mercury or any other hazardous substances.



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**





**WXX602 - 4000K**  
**RECESSED LED LIGHT - HONEYCOMB - 33W**  
**EDGE LIT**

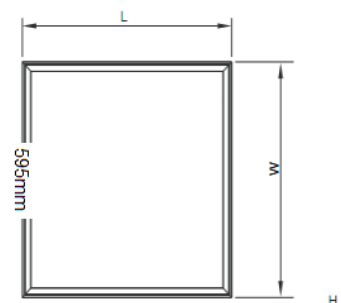
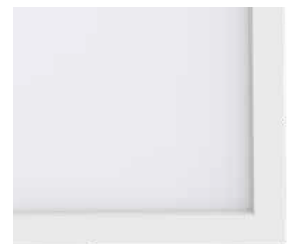
MATERIALS OF OPTICS: PMMA LGP + PS PRISMATIC DIFFUSER  
 MATERIALS OF HOUSING : ALUMINIUM FRAME

Length: 595mm  
 Width: 595mm  
 Depth: 9mm

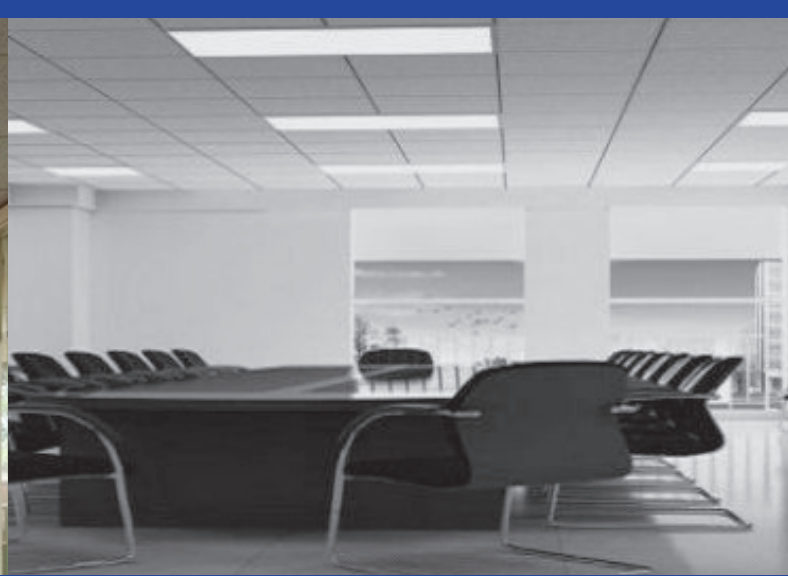
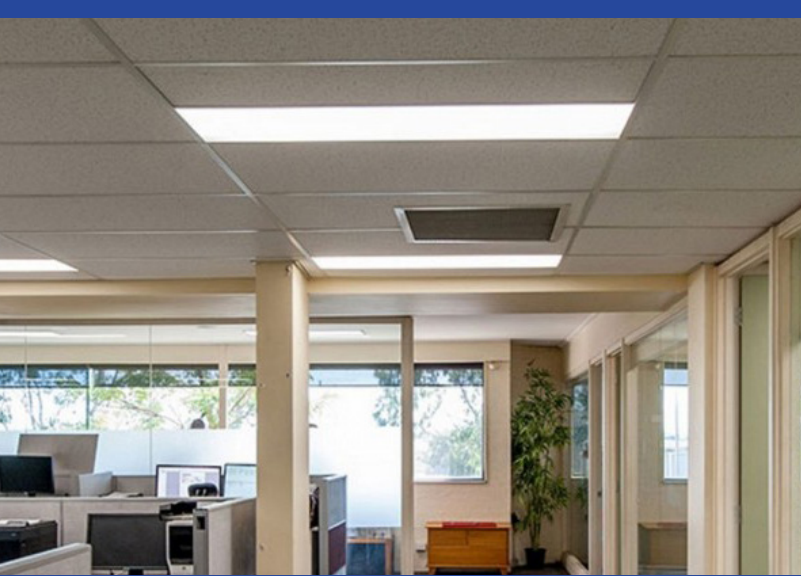
WATTAGE: 33W  
 LED : SMD4014  
 CRI: >80  
 CCT : 4000K  
 INPUT VOLTAGE: AC220 - 240V  
 POWER FACTOR: >0.9  
 Warranty: 5 years  
 BEAM ANGLE : 90°  
 IP40  
 PRODUCT FINISH: WHITE RAL9016  
 UGR: <19  
 120LM/W ±10%  
 TOTAL LUMEN OUTPUT: 3960LM ±10%  
 FLICKER-FREE DRIVER-L4-NF1  
 LIFETIME: 50 000 Hours  
 IES Files: YES

**OPTIONAL EXTRA**

Dali Dimmable: Yes  
 3M Leads and 5amp Plug Top



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



### **WXX645 - 4000K LED PANEL LIGHT - 60W**

Non Dimmable

Length: 1195mm

Width: 595mm

Depth: 10mm

Material: Aluminum + PMMA + PS

Colour: White Body

IP Rating: IP20

Installation: Recessed / Suspended / Surface Mounted

Lifespan: 50 000Hrs

Warranty: 5 years

Beam angle: 120°

Luminous flux: 6700lm +- 10%

Colour temp: 4000K ± 275K

CRI: 80

Driver type: Constant current driver

Rated power: 60W ± 10%

Input Voltage: AC 100-240V 50Hz

Output voltage: 27-42V

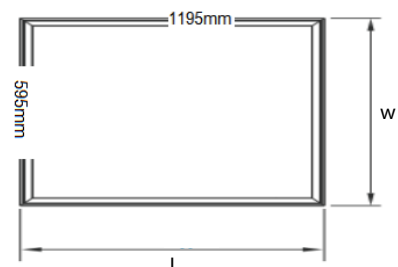
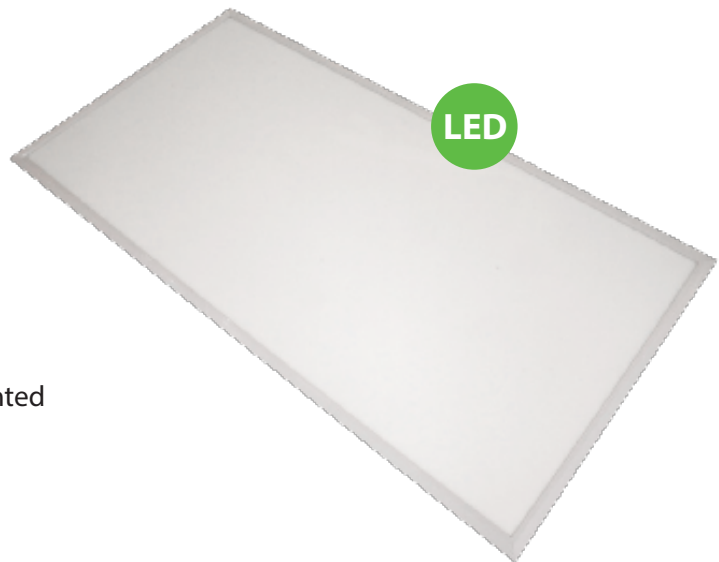
Input current: 273mA(@AC220V)

Output current: 1300mA

Extras Available: WXX010 Surface Frame &

WXX001 Suspension Cable

IES Files: YES



**NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.**



### WXX619/PRO - Colour Tunable - 3000K to 6500K LED PANEL LIGHT - 40W

Dimmable

Length: 595mm

Width: 595mm

Depth: 10mm

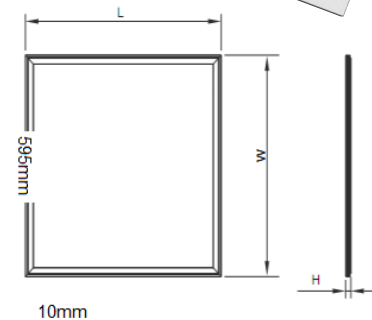
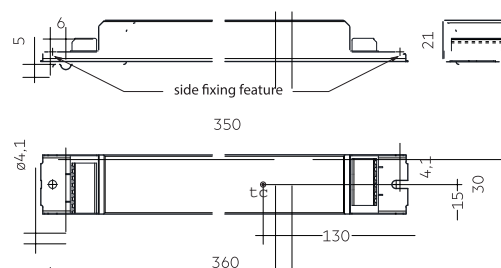


#### PRODUCT DESCRIPTION:

- Dimmable built-in constant current 2-channel LED Driver with DALI DT8
- Dimming range 3 – 100 %
- Suitable for luminaires of protection class I
- Adjustable output current between 350 and 1,050 mA for each channel via I-SELECT 2 plugs or DALI
- Max. output power 50 W
- Up to 89 % efficiency
- Power input on stand-by < 0.25 W
- CCT Tunable 3000K to 6500K
- Warranty 50 000 Hours / 5 Years
- IES Files: YES

#### INTERFACES:

- one4all (DALI DT8, DSI, switchDIM, corridorFUNCTION V2)
- colourSWITCH
- Terminal blocks: 0° push terminals





### WXX649/PRO - Colour Tunable - 3000K to 6500K LED PANEL LIGHT - 60W

Dimmable

Length: 1195mm

Width: 595mm

Depth: 10mm



#### PRODUCT DESCRIPTION:

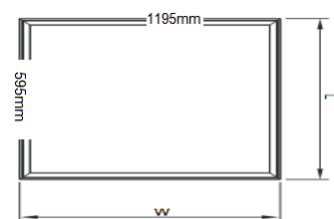
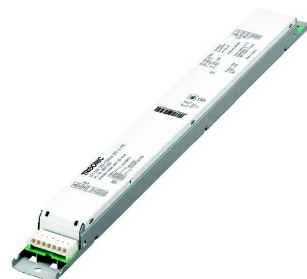
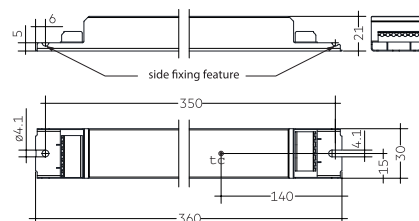
- Dimmable built-in constant current 2-channel LED Driver with DALI DT8
- Dimming range 3 – 100 %
- Suitable for luminaires of protection class I
- Adjustable output current between 600 and 1,800 mA for each channel via I-SELECT 2 plugs or DALI
- Max. output power 85 W
- Up to 90 % efficiency
- Power input on stand-by < 0.5 W
- CCT Tunable 3000K to 6500K
- Warranty 50 000 Hours / 5 Years
- IES Files: YES

#### INTERFACES:

- one4all (DALI DT8, DSI, switchDIM, corridorFUNCTION V2)
- colourSWITCH
- Terminal blocks: 0° push terminals

#### BENEFITS:

- Application-oriented operating window for max. compatibility
- Best energy savings due to low stand-by losses
- Flexible configuration via DALI and I-SELECT 2



### DIM CONTROL COMPONENTS

**Product Description:**

- Wireless controllable with an Android / iOS smart device
  - No need for an external gateway device
  - Automatically forms a wireless communication network with up to 127 nodes
  - Small form factor for luminaire installation
  - Digital output: Standalone DALI (compatible)
  - Easily implemented RGB and colour temperature controls
  - Device firmware can be updated over-the-air
  - 5-year guarantee
- 
- Supply voltage: DC 9.5 – 22.5 V
  - Max. input current when idle (approximately 3 DALI loads): 5 mA
  - Max. DALI bus current: 250 mA
  - Typ. power input on stand-by: < 0.1 W
  - Radio transceiver operating frequencies: 2.4 – 2.483 GHz
  - Max. output power radio transceiver: +4 dBm
  - Operating temperature: -20°C +55 °C
  - tc point: 65 °C
  - Storage temperature -25°C +75 °C
  - Dimensions: LxWxH 40.4 x 36.3 x 14.0 mm
  - Type of protection: IP20



### DALI POWER SUPPLY

**Product Description:**

DALI-2 power supply providing 70 mA for a DALI-2 installation

- Excellent scalability allowing to connect up to 2 PS3 in a DALI-2 installation
- Compact form factor combined with detachable mounting flaps allowing high installation flexibility, e.g. in luminaire or behind wall sockets or switches
- Up to 100,000 guaranteed operating hours enabling outstanding life-time of the entire lighting system
- 10-year guarantee



## WXX619 & WXX649 Basic Dim & Colour Tune Controller


### Technical Parameters:

- Working Voltage: 3V DC
- Remote Control way: RF
- Launch Frequency: 2.4GHz
- Remote Distance (without shielding): 20 meters
- Battery Type: 2pcs AAA batteries
- Remote Control Type: Colour temperature adjustment
- Key Number: 14 Keys


### Linking and Unlinking:

When using the remote for the first time, you need to execute the linking function.

#### - Link Operation: E.G. to link a light fitting to Group 1:

Press and hold the Group 1 key (  ) on the remote and power on the light fitting at the same time, the light fitting will blink twice. This will indicate that the link operation is successful.

#### - Unlink Operation: E.G. to unlink a light fitting from Group 1:

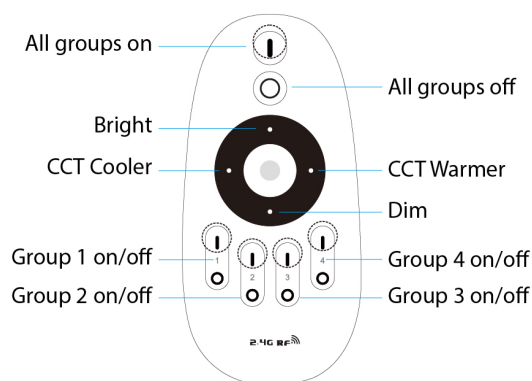
Press and hold the Group 1 key (  ) on the remote and power on the light fitting at the same time, until the light fitting blinks four times. This will indicate that the unlinking operation is successful.

### IMPORTANT : Each Group Button can control a maximum of four light fittings only.

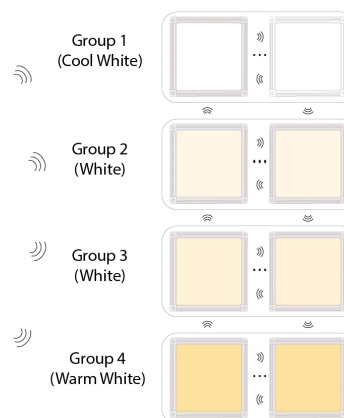
#### Note:

1. Be sure to link the light fitting to one of the remote control groups 1 to 4 according to the linking operation before installation.
2. Each light fitting only supports linking with one of the remote control groups 1 to 4.
3. Each light fitting can be linked with up to 5 remote controls.
4. The distance between the lights should be within 20meters, the distance should be less if there is a shield.
5. The distance between the remote control and the nearest light should be within 20meters, the distance should be less there is a shield.



### Key Function Description



### Group Control Application



#### Note:

- If you want to control all groups, please press the (  ) key to select all the groups, and then perform control operations.
- If you want to control a group, please press the (  ) key to select the group, and then perform control operations

### SLT100

Solar LED Wall Floodlight

Wattage: 5W

Lumens: 500Lm

CCT: 6000K

Beam Angle: 90°

IP Rating: IP65

360° Adjustable Bracket

Motion Activated Smart PIR sensor

Full Brightness, Low Brightness & Always-on Modes

Charging Time: 5-6 hours from direct sunlight per day

Warranty: 2 Years

**NO ELECTRICAL CONNECTION REQUIRED**



### SLT105

Solar LED Wall Floodlight

Wattage: 10W

Lumens: 1080Lm

CCT: 6000K

Width: 298.4mm

Height: 214.1mm

Depth: 35mm

Beam Angle: 90°

IP Rating: IP65

360° Adjustable Bracket

Motion Activated Smart PIR sensor

Charging Time: 5-6 hours from direct sunlight per day

Warranty: 2 Years

**NO ELECTRICAL CONNECTION REQUIRED**



### SLT200 & SLT201

Solar LED Wall Light - Butterfly

Lights up from the front & back which gives the butterfly effect

Lumens: 220Lm

CCT: Front light: 6000K, Back Light: 3000K

Wattage: 1.5W

IP Rating: IP65

Charging Time: 5-6 hours from direct sunlight per day

Working Time: Continuously works for 3 nights

Warranty: 2 Years

**NO ELECTRICAL CONNECTION REQUIRED**



### SLT207

Solar LED Wall Light - Butterfly  
 Lights up from the front & back which gives the butterfly effect  
 Lumens: 800Lm  
 CCT: Front light: 6000K, Back Light: 3000K  
 Wattage: 6.8W  
 IP Rating: IP65  
 Width: 270mm  
 Height: 221mm  
 Depth: 109.20mm  
 Charging Time: 5-6 hours from direct sunlight per day  
 Working Time: Continuously works for 3 nights  
 Warranty: 2 Years

**NO ELECTRICAL CONNECTION REQUIRED**



### SLT204 & SLT205

Solar LED Wall Light - Whale Series  
 Whale tail design with PIR motion sensor  
 Wattage: 4.2W  
 Lumens: 520Lm  
 IP Rating: IP65  
 Beam Angle: 120°  
 Charging Time: 5-6 Hours from direct sunlight per day  
 Working Time: 4-5 Nights  
 Lifespan: 35 000 Hours  
 Size: 192mm x 160mm x 82mm  
 USB Charging available  
 Warranty: 2 Years

**NO ELECTRICAL CONNECTION REQUIRED**



### SLT400

Solar LED Bollard  
 Power: 20W  
 Lumen: 2000LM  
 CCT: 3000K  
 Width: 220mm  
 Height: 800mm  
 Depth: 90mm  
 Beam angle: 120°  
 IP Class: IP65  
 Charging Time: 8Hrs to fully charged in direct sunlight  
 Working Time: Sensor Mode: 4 nights+ / Constant Light Mode: 2 nights+  
 PIR Sensor Range: Detection angle: 160° / Detection area: 10 Meter  
 Battery replaceable  
 Warranty: 3 Years

**NO ELECTRICAL CONNECTION REQUIRED**



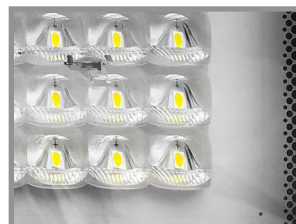




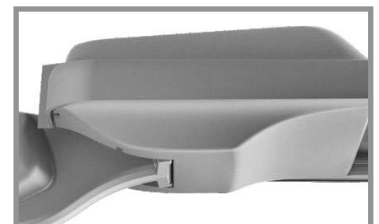
### SBL105 STREET LIGHT - 50W

Street Light

Light Source: SMD5050  
 Input Voltage: 100-277VAC 50/60Hz  
 Power: 50W  
 Luminous flux (lm): 5 600- 6 300lm  
 Power Factor: >0.95  
 CRI: >70, Light Distribution: Type II Short  
 Protection: IP66 Water Resistant,  
 Driver Output Voltage (VDC): 36 - 48  
 Driver Output Current (mA): 950  
 Surge Protection: CM:6KV, DM-4KV (Meanwell)  
 THD(230VAC): <20%  
 Power Cable: 1.5m HO5RN-F 3x1.0  
 NEMA Daylight Sensor: Optional Extra  
 Working Time: Auto adjustable (5 days+)  
 Colour CCT: 4000K  
 Housing Color: Gray  
 Working Temp: -20C° to +50C°  
 Working Humidity (HH%): 10 - 90  
 Warranty: 5 Year warranty  
 Dimensions: 329\*211\*114mm  
 Installation Height: 3-5m  
 IES Files: YES  
 Pole: Excluded  
 Spigot for Pole: 76mm



Polycarbonate Anti-UV lens;



Smooth Surface with self-cleaning Function



Photocell Available

**Accessories Included:** Lamp-post mounting bracket

Suitable for:

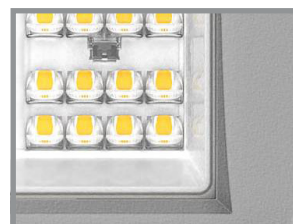
- Street
- Garden
- Pathway
- Garage
- Square
- Courtyard and more



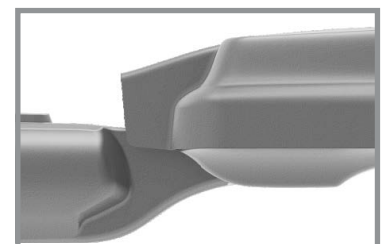
### SBL110 STREET LIGHT - 100W

Street Light

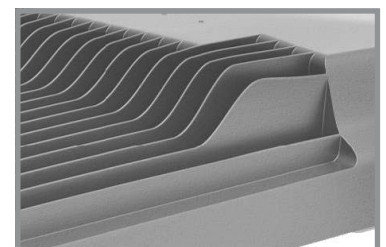
Light Source: SMD5050  
 Input Voltage: 100-277VAC 50/60Hz  
 Power: 100W  
 Luminous flux (lm): 10 900 - 12 300lm  
 Power Factor: >0.95  
 CRI: >70, Light Distribution: Type II Short  
 Protection: IP66 Water Resistant,  
 Driver Output Voltage (VDC): 32 - 54  
 Driver Output Current (mA): 2000  
 Surge Protection: CM:6KV, DM-4KV (Meanwell)  
 THD(230VAC): <20%  
 Power Cable: 1.5m HO5RN-F 3x1.0  
 NEMA Daylight Sensor: Optional Extra  
 Working Time: Auto adjustable (5 days+)  
 Colour CCT: 4000K  
 Housing Color: Gray  
 Working Temp: -20C° to +50C°  
 Working Humidity (HH%): 10 - 90  
 Warranty: 5 Year warranty  
 Dimensions: 436\*281\*141mm  
 Installation Height: 3-5m  
 IES Files: YES  
 Pole: Excluded  
 Spigot for Pole: 76mm



Polycarbonate Anti-UV lens; IP66 & IK08 design.



Smooth Surface with self-cleaning Function



Die-cast aluminum housing excellent performance of heat radiation.

**Accessories Included:** Lamp-post mounting bracket

Suitable for:

- Street
- Garden
- Pathway
- Garage
- Square
- Courtyard and more



### Multifunctional Solar LED Light - 8W

Cordless Solar Panel

Auto Light On/Off Motion sensor

Lumens: 850Lm

Power: 8W

LED's: SMD2835\*40pcs

Battery: 6000mAH/3.7V Lithium battery

Solar Panel: Mono-crystalline silicon (7Wp)

Beam Angle: 140 x 70° - TPIII

Protection: IP65 Water Resistant

PIR Detection / Range: Detection angle: 120°; Detection area:3-8M

Charging Time: 6hrs of direct sunlight/Day

Working Time: Auto adjustable (5 days+)

Colour CCT: 6000K

Housing Material: ABS+PC, anti-UV

Working Temp: -15C° - 50C°

Storage Temp: 0C° - 50C°

Warranty: 24 months ( 12 month warranty for battery )

Dimensions: 428.5\*193.7\*52.7mm

Installation Height: 3-5m

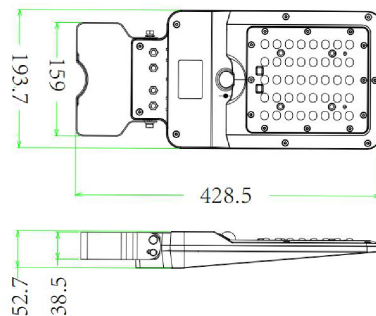
Pole: Excluded

Accessories Included:

- Wall mounting bracket
- Lamp-post mounting bracket

Suitable for:

- Street
- Garden
- Pathway
- Garage
- Entrance
- Square
- Courtyard and more



LED





### Multifunctional Solar LED Light - 15W

Cordless Solar Panel  
Auto Light On/Off Motion sensor

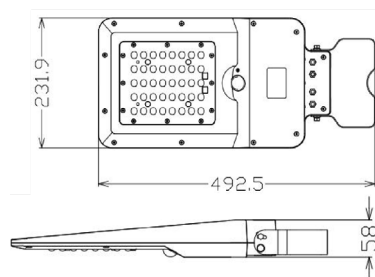
Lumens: 1600Lm  
Power: 15W  
LED's: SMD2835\*40pcs  
Battery: 5400mAH/7.4V Lithium battery (total capacity 10800mAh/3.7V)  
Solar Panel: Moly-crystalline silicon (9.5Wp)  
Beam Angle: 140 x 70° - TPIII  
Protection: IP65 Water Resistant  
PIR Detection / Range: Detection angle: 120°; Detection area:3-8M  
Charging Time: 6hrs of direct sunlight/Day  
Working Time: Auto adjustable (5 days+)  
Colour CCT: 6000K  
Warranty: 24 months ( 12 month warranty for battery )  
Housing Material: ABS+PC, anti-UV  
Working Temp: -15C°- 50C°  
Storage Temp: 0C°- 50C°  
Dimensions: 492.5\*231.9\*58mm  
Installation Height: 3-5m  
Pole: Excluded

Accessories Included:

- Wall mounting bracket
- Lamp-post mounting bracket

Suitable for:

- Street
- Garden
- Pathway
- Garage
- Entrance
- Square
- Courtyard and more





### Multifunctional Solar LED Light - 40W

Cordless Solar Panel  
Auto Light On/Off Motion sensor

Lumens: 4800Lm  
Power: 40W  
LED's: SMD2835\*40pcs  
LiFePO4 Battery: 32650/9.6V\*12000mAh, replaceable  
Solar Panel: Moly-crystalline silicon (21Wp)  
Beam Angle: 140 x 70° - TPIII  
Protection: IP65 Water Resistant  
PIR Detection area:12M  
Charging Time: 6hrs of direct sunlight/Day  
Working Time: Auto adjustable (5 days+)  
Colour CCT: 6000K  
Warranty: 3 Years  
Housing Material: ABS+PC, anti-UV  
Dimensions: 621.6\*289.7\*73.6mm  
Working Temp: -20~55°C  
Storage Temp: -40~85°C  
Pole: Excluded

#### Accessories Included:

- Wall mounting bracket
- Lamp-post mounting bracket

#### Suitable for:

- Street
- Garden
- Pathway
- Garage
- Entrance
- Square
- Courtyard and more





### BRR/ST/ 20W

#### Multifunctional Solar LED Street Light

PIR Sensor + IR remote control

Lumens: 170Lm/w

Power: 20W

LED's: SMD2835

LiFePO4 Battery: 12AH/6.4V\* & 18AH/6.4V, replaceable

Solar Panel: 20W/10V & 35W/10V

Beam Angle: 140 x 68°

Protection: IP65 Water Resistant

PIR Detection area: 5M

Charging Time: 6 Hours of direct sunlight/Day

Lighting Time: 5-7 Hours Rainy day (full charge)

Sensor Type: PIR Sensor & CRI >70

Colour CCT: 4000K

Warranty: 2 Years

Housing Material: ABS+PC, anti-UV

Emergency mode: Mode 1H/2H/3H/4H

Operating Temp: -20°C~50°C

Storage Temp: -40°C~80°C

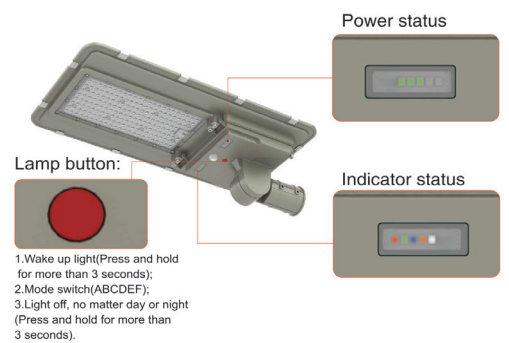
Pole: Excluded

Accessories Included:

- Wall mounting bracket
- Lamp-post mounting bracket

Suitable for:

- Street
- Garden
- Pathway
- Garage
- Entrance
- Square
- Courtyard and more



### Remote Control Instructions

**All below modes works when electricity > 2 grids and disconnect charging. (solar panel can be covered or disconnected the charging connector):**

**ON:** Wake up light, then press other mode buttons as needed;

**OFF:** Light off, no matter day or night;

**A:** Mode A, Light on 100% if motion detected, Stand-by period 60 seconds, Light off if no motion detected;

**B:** Mode B, Light on 100% if motion detected, Stand-by period 60 seconds, Light on 5% if no motion detected;

**C:** Mode C, Light on 100% if motion detected, Stand-by period 120 seconds, Light off if no motion detected;

**D:** Mode D, Light on 100% if motion detected, Stand-by period 120 seconds, Light on 5% if no motion detected;

**E:** Mode E, Light on 100% for 3hr, and then Light on 50% if motion detected, Stand-by period 60 seconds, Light off if no motion detected;

**F:** Mode F, Light on 50% for 3hr, and then Light on 50% if motion detected, Stand-by period 60 seconds, Light on 5% if no motion detected;

**1H:** Mode 1H, Light on 100% for 1hr (No sensing function), and then return to A-F.

**2H:** Mode 2H, Light on 100% for 2hr (No sensing function), and then return to A-F.

**3H:** Mode 3H, Light on 80% for 3hr (No sensing function), and then return to A-F.

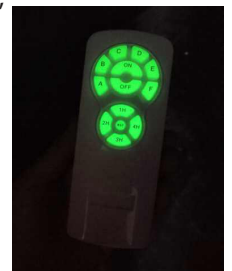
**4H:** Mode 4H, Light on 50% for 4hr (No sensing function), and then return to A-F.

**RESET:** Light on 100% if motion detected • Stand-by period 15 seconds. Light off if no motion detected.

#### Remarks:

1. The Flood lights turn-on time depends on the clients' local time (Turn-on Light Level: <201 ux).
2. A, B, C, D, E, and F modes have memory functions. For example, in the case of A mode, press the OFF button, and when the light turns on again, repeat the A mode until the remote control signal changes.

- Humanized remote control.
- Night luminous function with freely control.



### LED SOLAR POLE TOP BLD 50W/ 25W/ 20W

#### BENEFITS:

- Replace conventional Area Lights
- Precision Die Cast Aluminum Housing
- Fade Resistant Powder Coat Finish
- Easy Installation
- CE ROHS listed
- Pole Excluded

#### FEATURES:

- Beam angle:120°.
- Aluminum die-cast heat sink is good for heat dissipation.
- It's ideal for replacing conventional area lights.
- Green, energy saving, long and reliable life of 50 000 hours.
- No RF interference, No IR/UV radiation ,no mercury pollution.
- Wide colour availability in degrees Kelvin (K), 2700 - 6700K.
- Environment friendly, energy saving (70~80%).
- Special circuit design, each LED works separately, avoiding the single broken LED influence problem.



#### APPLICATION:

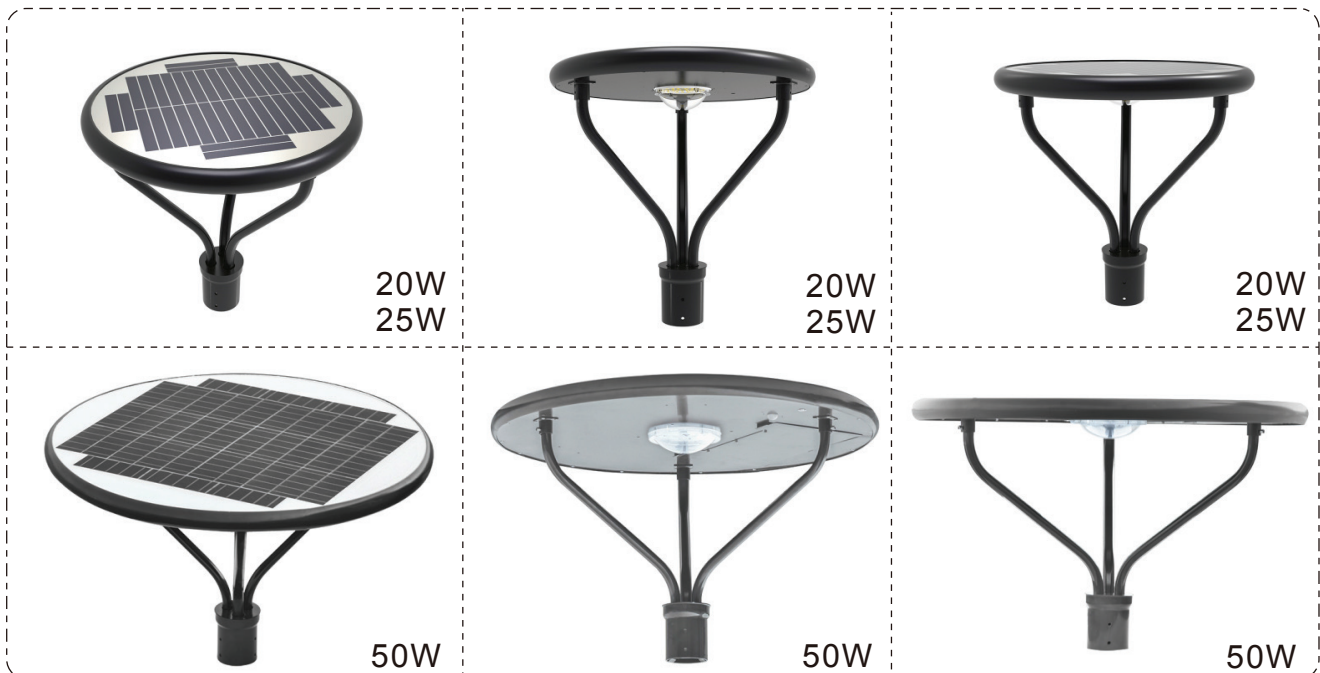
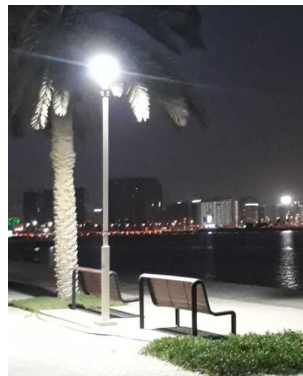
- Area roadway/roadway lighting.
- Parking areas lighting.
- Airports lighting.
- Street area lighting.
- Campuses lighting.



SMD LED



Mounting  
Brackets

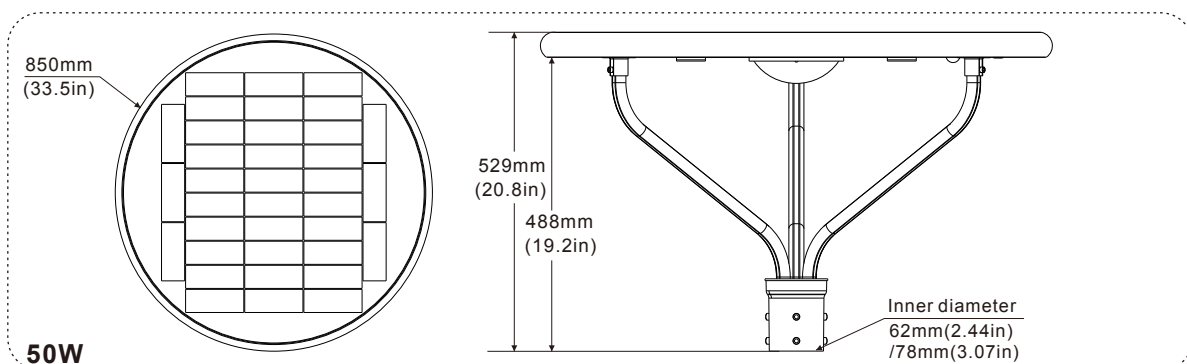
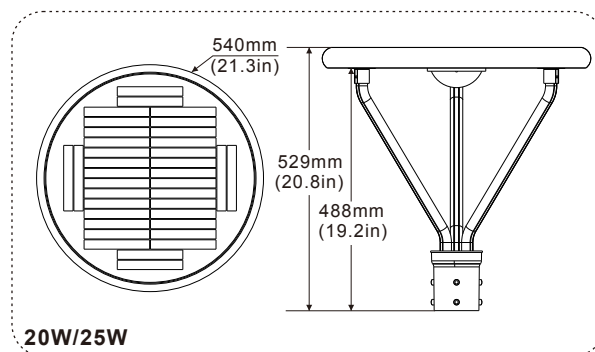




### Specifications

LED MAX Power	BLD20W	BLD25W	BLD50W
Model	BB-SLD-20W-AR-B	BB-SLD-25W-AR-B	BB-SLD-50W-AR-B
Solar panel Max power	18V/27W	18V/27W	18V/60W
Luminous Flux	3000lm	3750lm	7500lm
Space Between Light	150lm/w	150lm/w	150lm/w
Mounting Height	3-5m	3-5m	8-9m
Space Between Light	10-15m	10-15m	20-30m
Solar Panel Dimension	Dia540*41mm		Dia850*41mm
Sensor	Default:PIR Sensor&Time Controller together.		
Controller	PWM controller, MPPT controller optional		
Battery	Ternary Li-ion battery, LiFePO4 battery optional		
Discharge Time	More than 10-12hours		
Charge Time	6-7hours (direct sunlight)		
Solar Cell	High efficiency imported silicon solar cell		
Light Source	SMD LED		
Operation Temp.	-40 to +45°C		
CCT	4000K		
Life Span	50,000 hours		
IP	65		
Beam Angle	120°		
Warranty	3Years		

### Dimensional Drawing



### LED SOLAR POLE TOP SLT330

#### SPECIFICATION:

Power: 25W - 4000K  
 LEDs: 24pcs\* SMD3030  
 Brightness: 2000Lm  
 Solar Panel: Mono-crystalline silicone 21W,18W  
 Life PO4 Battery Pack: 32700/ 6000mAH/ 12.8V/ 76.8Wh, replaceable  
 Lamp Dimension: 500 x 275.8mm  
 Installation Spacing: 10 -15mtrs  
 Effective Projection Surface: 80m<sup>3</sup>  
 Working Mode: Auto on at night, auto off at day  
 Charging Time: 5 - 6hrs direct sunshine to fully charge  
 Working Time (fully charge): 36 hours +  
 Beam Angle: 360°  
 Housing Materials: ADC + 1060 Aluminum, anti-UV, Fireproof  
 Housing Colour: Silver + White  
 Warranty: 3 Years  
 Pole: Excluded  
 Spigot for Pole: 60mm  
 IES Files: YES



#### FEATURES:

- Patent design , lotus shape, silver & white classical match, achieve extremely concise of beauty, create perfect fusion between technology and humanity.
- Hi-Tech reflective lighting design, no glare, lighting feel very soft, comfortable and peace.
- Annular luminous surface, glows 360° lighting, more uniform and fantastic, perfectly blends in with their surroundings.
- Maximum utilization of charging efficiency, same time charge more sunlight than normal.
- Adopt laminated tempered glass mono- crystalline silicone solar panel, high conversion efficiency, reach 21%.
- Whole housing cover adopt ACD+1060 aluminum, IP65, anti-UV, fireproof, durable.
- High bright 2000lm for most application, adoptLM80 SMD3030.
- LifePO4 battery 2700/6000mAH/12.8V/76.8Wh, big capacity with over -charge and over-discharge protection, life cycles 2000+, safe and durable, replaceable.
- Adopt professional MPPT charging system, charging efficiency improve 20%
- Wide applications: Private, Garden, Yard, Lawn, Farm.



#### Unique Lighting Design:

- Reflective design, glows 360° lighting perfectly blends in with thier surroundings.
- Lighting looks more soft and comfortable, no glare.
- Annular luminous surface, 360° lighting angle, more uniform

#### APPLICATION:

- Area roadway/roadway lighting.
- Airports lighting.
- Parking areas lighting.
- Street area lighting.



### LED SOLAR POLE TOP SBE320

#### SPECIFICATION:

Power: 20W - Sand Black Colour  
 LEDs: 80pcs\* SMD2835  
 Colour Temperature: 4000K  
 Brightness: 1050Lm  
 Solar Panel: Mono - 20W/ 5V  
 IP Grade: IP65  
 Life PO4 Battery Pack: 3.2V/ 20AH/ replaceable  
 Lamp Dimension:L400mm x W400mm x H420mm  
 Working Temperature: -20 °C +60 °C  
 Working Mode: Auto on at night, auto off at day  
 Charging Time: 5 - 6hrs direct sunshine to fully charge  
 Working Time(fully charge): 12 hours +  
 Housing Materials: Die - Cast Aluminum + PC  
 Lifespan: 35 000 Hours  
 Warranty: 3 Years (Inc. battery)  
 Pole: Excluded  
 Spigot for Pole: 76mm  
 IES Files: YES

#### FEATURES:

- **Unique private design:** Modern urban design match the market demands and makes garden, city, home more pleasing, warm, bright
- **Solar panel:** High efficiency mono crytalline silicon solar panel for better performance especially in the cloudy and rainy days.
- **Long lifespan battery:** Adopt LeFePO4 battery cell with more than 2,000 cycles.
- **Waterproof:** IP65 waterproof, inner of lamp is sealed with waterproof glue, for outdoor use.
- **Aluminum housing:** Aluminum housing to ensure durability, strong, Anti-UV.

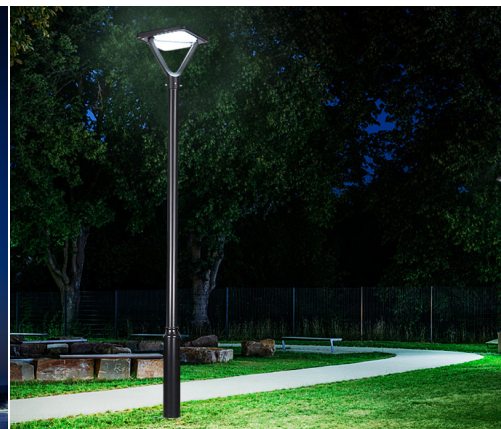
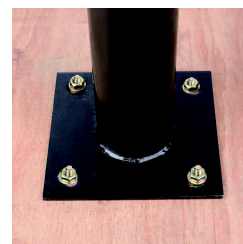
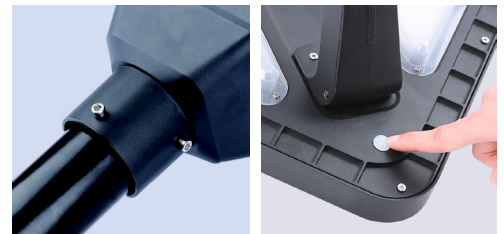
#### APPLICATION:

- Area roadway/roadway lighting.
- Parking areas lighting.
- Airports lighting.
- Street area lighting.
- Campuses lighting.



#### function Operation:

Press On/Off button one time, the lamp will turn on after 10 seconds.



### LED SOLAR POLE TOP SBE325

#### SPECIFICATION:

Power: 30W - Sand Black Colour  
 LEDs: 160pcs\* SMD2835  
 Colour Temperature: 4000K  
 Brightness: 1450Lm  
 Solar Panel: Mono -25W/5V  
 IP Grade: IP65  
 Life PO4 Battery Pack: 3.2V/30AH/ replaceable  
 Dimension: D530mm x H490mm  
 Working Temperature: - 20 °C +60 °C  
 Working Mode: Auto on at night, auto off at day  
 Charging Time: 6 - 8hrs direct sunshine to fully charge  
 Working Time(fully charge): 12 hours+  
 Housing Materials: Die-Cast Aluminum + PC  
 Lifespan: 35 000 Hours  
 Warranty: 3 Years (Inc. battery)  
 Pole: Excluded  
 Spigot for Pole 76mm  
 IES Files: YES



#### FEATURES:

- **Unique private design:** Modern urban design match the market demands and makes garden, city, home more pleasing, warm, bright
- **Solar panel:** High efficiency mono crytalline silicon solar panel for better performance especially in the cloudy and rainy days.
- **Long lifespan battery:** Adopt LeFePO4 battery cell with more than 2,000 cycles.
- **Waterproof:** IP65 waterproof, inner of lamp sealed with waterproof glue, for outdoor use.
- **Aluminum housing:** Aluminum housing to ensure durability, strong, Anti-UV.

#### APPLICATION:

- Area roadway/roadway lighting.
- Parking areas lighting.
- Airports lighting.
- Street area lighting.
- Campuses lighting.



### LED POST LIGHT LLY1020-60W/LED

#### SPECIFICATION:

Die-cast Aluminum housing; Frosted Tempered Glass  
Lumileds 3030 LED 60W - 3000K  
Inventronic Driver 5 years lifetime  
Class I,  
110-240V/50Hz  
IP65  
Suitable pole diameter: 76mm  
**Pole:** Excluded

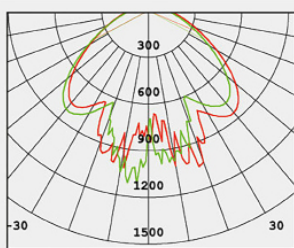
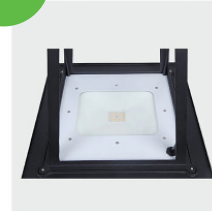
#### Head size:

Width: 400mm x Length: 400mm x  
Height: 770mm

Wall lantern: LLY1020/W - 30W - 3000K



LED

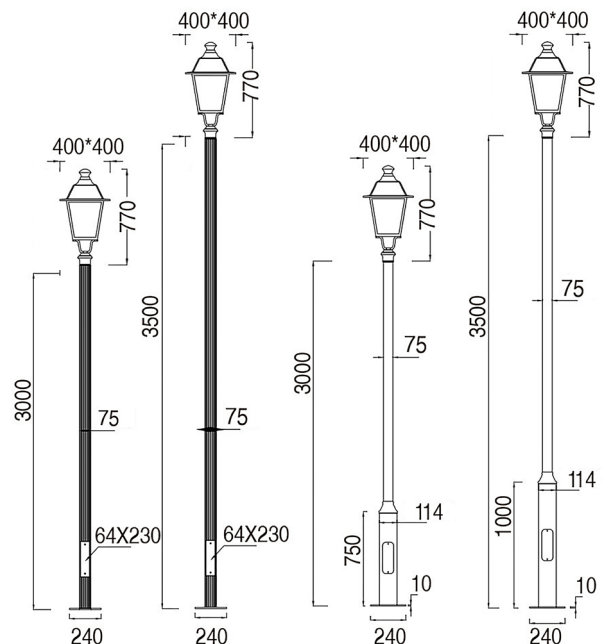


H(m)	Eavg(lx)	Emax(lx)	D(m)
1	193.5	1140.0	3.76
2	48.4	285.1	7.53
3	21.5	126.7	11.29
4	12.1	71.3	15.05
5	7.7	45.6	18.82

#### Pole: LLY1020-60W-3000K

Lumileds LED 60W 3207lm  
Frosted Glass  
124.03°  
Class I, IP65

### ↓ Pole Options



### SBE - LAMP POLE SBE3000 - SBE3500

#### SPECIFICATION:

Material: Galvanized Steel

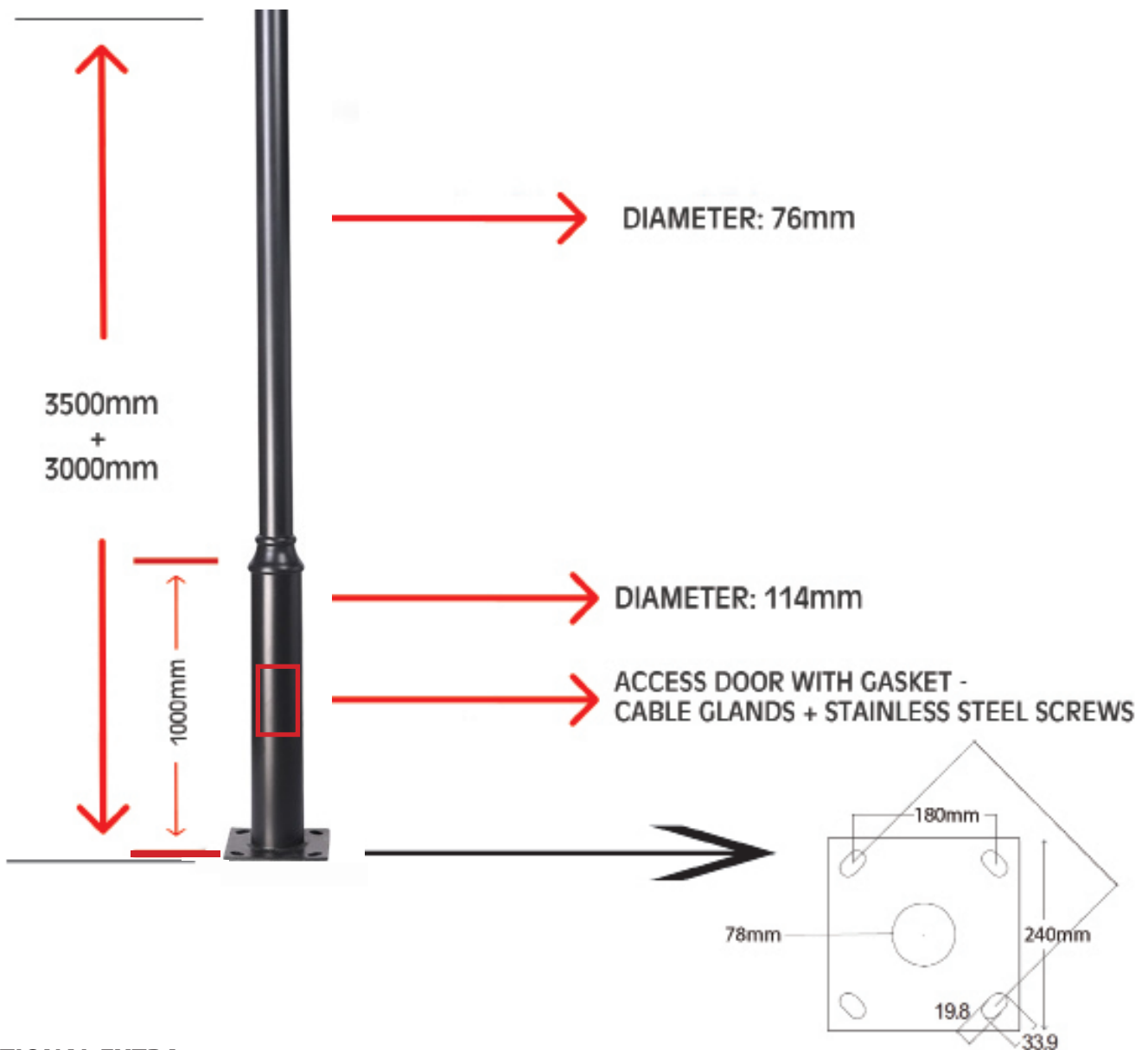
Base Pole Diameter: 114MM

Top Pole Diameter: 76MM

Housing Colour: TEXTURED BLACK

Powder Coated

Height: 3.5M / Height: 3M



#### OPTIONAL EXTRA:

Bolt Cage on request: Not included.

### LED STREET LIGHT

#### FEATURES:

- Soft light with high light effect
- Cold lighting source, no heat, no harmful metal mercury and environmental protection.
- Low power consumption, long lifespan, good stability, high reliability.
- 80% Reduction in energy consumption.
- Novel & elegant design with modern lighting features.
- Easy to install and adjust.
- Mounting Options: Wall or pole mounted
- Pole Excluded

#### SPECIFICATIONS:

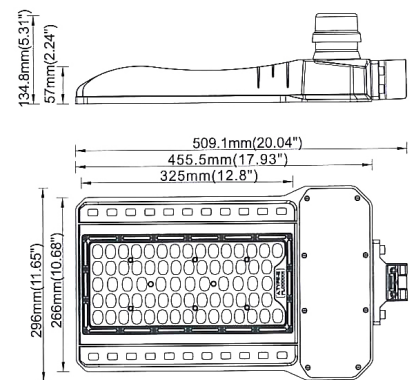
- ADC12 Die-cast aluminium alloy housing
- IK10 strong protection, good optical function
- Water Resistant: IP65
- Lifespan: 50 000 Hours / 5 Years
- Operating Temperature: - 20 - 50°C
- Storage Temperature: - 40 - 60°C

#### BR/PL100W

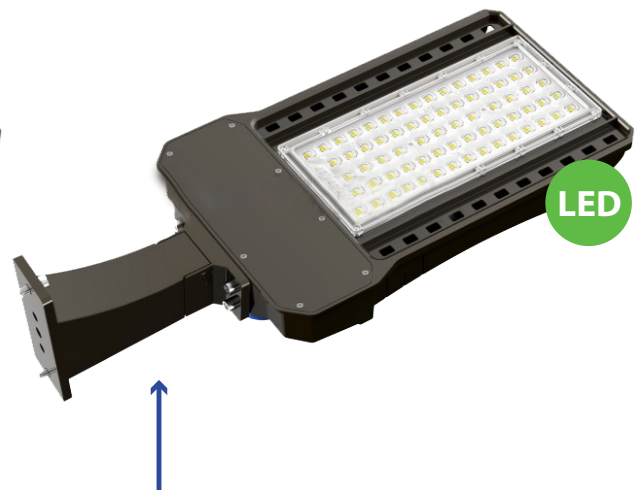
- Power: 100W
- Lumen: 145Lm/w
- CCT: 4000K
- CRI: >80
- Weight: 7.46kg
- Length: 509.1mm
- Width: 296mm
- Depth: 57mm

#### BR/PL120W

- Power: 120W
- Lumen: 145Lm/w
- CCT: 4000K
- CRI: >80
- Weight: 7.46kg
- Length: 509.1mm
- Width: 296mm
- Depth: 57mm



**SLIP FITTER**



**STREET ARM**

### LED STREET LIGHT

#### FEATURES:

- Soft light with high light effect
- Cold lighting source, no heat, no harmful metal mercury and environmental protection.
- Low power consumption, long lifespan, good stability, high reliability.
- 80% Reduction in energy consumption.
- Novel & elegant design with modern lighting features.
- Easy to install and adjust.
- Mounting Options: Wall or pole mounted
- Pole Excluded

#### SPECIFICATIONS:

- ADC12 Die-cast aluminium alloy housing
- AC100-277V 50/60Hz
- Water Resistant: IP66
- Lifespan: 50 000 Hours / 5 Years
- Operating Temperature: - 40°C ~ + 50°C.
- Storage Temperature: - 40°C ~ + 80°C.
- IES Files: YES



#### BRR/PL3/30W - 80W

- Power: 30, 50, 60, 80W
- Lumen: 140Lm/W
- CCT: 4000K
- CRI: >80
- Weight: 5.0kg
- Length: 440mm
- Width: 254.7mm
- Depth: 132.7mm

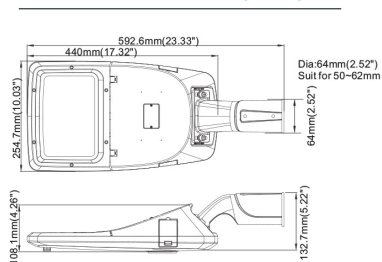
#### BRR/PL3/100W - 150W

- Power: 100, 120, 150W
- Lumen: 140Lm/W
- CCT: 4000K
- CRI: >80
- Weight: 7.0kg
- Length: 550mm
- Width: 327mm
- Depth: 140.7mm

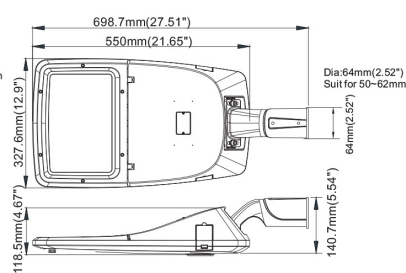
#### BRR/PL3/180W - 240W

- Power: 180, 200, 240W
- Lumen: 145Lm/W
- CCT: 4000K
- CRI: >80
- Weight: 8.5kg
- Length: 630mm
- Width: 327.95mm
- Depth: 140.7mm

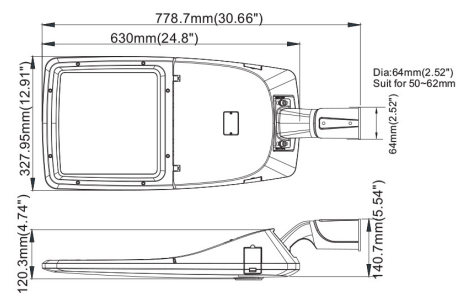
#### Dimensions(mm)



30W/50W/60W/80W

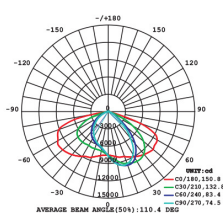


100W/120W/150W

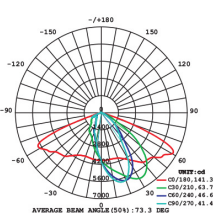


180W/200W/240W

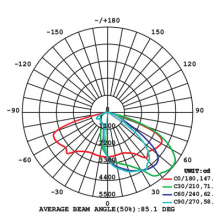
#### Photometry



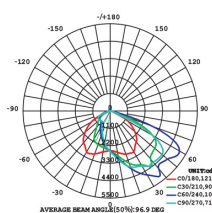
Type II-S



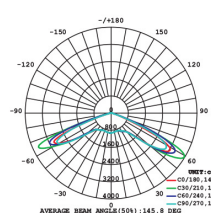
Type II-M



Type III-M



Type IV-M



Type V



### LED STREET LIGHT

The SLX is a range of 9W-295W LED road luminaries designed to meet international standards in safety and unsurpassed durability with a vast range of optics for almost any light distribution requirement. This is achieved using some of the leading secondary LED optics in the world which ensure that light is distributed to its intended location. Combining leading German manufacturer, OSRAM Opto LED's with solid thermal management, we extend the expected life span of the SLX Luminaries in the African climate. Furthermore, by eliminating moving parts, we have designed this Luminaire to be extremely durable. The SLX range offers a significant increase in light performance while reducing energy usage by up to 75%. Additional savings are made with virtually no maintenance, lamp and labour replacement costs or down time being required. The SLX range is Renewable Ready with various solar add ons available. The Light engines can easily be upgraded making the entire range future proof!

#### KEY ADVANTAGES

- Extremely reliable LED lamp in IP66 Compartment
- Durable die-cast aluminium chassis
- Superior quality OSRAM LEDs
- Variable optics ensure units are aesthetically identical, while optimising light distribution
- Very low maintenance with integrated thermal protection on the LED Module
- 100% designed and manufactured in SA
- Lifespan of 100k hrs, lumen depreciation of not more than 20% (L80B50)
- Suitable for temperatures from -30°C up to 45°C
- Designed for easy retrofit or new installation
- 5 year warranty option with 10 year design life
- Optional Renewable power sources available
- All cable entries IP67 rated glands
- IES Files: Yes
- Pole Excluded

#### APPLICATIONS

- Large Scale Area Lighting
- Small Streets
- Urban Roads
- Highways
- Bike Lanes & Pedestrian Paths
- Perimeter Light
- Rural Outdoor Lighting

#### SLX-M 55W IS A CITY OF CAPE TOWN APPROVED FITTING



The SLX range is designed to be powerful, yet compact, with ease of installation in mind. The standard adaptor options allow for mounting onto existing 32mm-50mm, 42mm-76mm, 76mm-94mm spigots, with levelling options. Wall mount options also available. Installation is optimised with the use of easy to open clips and no tools are required to open the driver compartment. The cable connectors are spring clip operated. Custom mounting brackets can be ordered if needed. The housing is manufactured from die cast LM6 marine grade aluminium. The standard High Impact Tempered Glass optic cover is rated at IK08 with IK10 options available that offers more vandal resistance than glass and the entire fitting is manufactured to the SANS 605-98 standard for safety. An optional, integrated Day-Night switch can be ordered, as well as the option for an integrated Nema Base. The SLX is one of the most powerful units for light output vs power consumption on the market. This, together with Eagle Lightings' excellent after sales service, makes this product the superior choice for any road lighting installation.

Type: LED Street Lamp

Optical Compartment Protection: IP66

Control Gear Protection: IP66

Impact Resistance (Polycarbonate): IK08 (IK10)

Control Gear Voltage: 90V – 295VAC (12V & 24V Options) / 10kV Surge Protection Standard (20kV Optional)

Lamps: High Power 2-3W OSRAM LED

Color Temperature: 4000K Standard with 3000-6000K Options Available

Housing Material: Coated LM6 Die-cast Aluminium

Weight: 3-15kg

Light engine: Metal Core PCB with PMMA Lenses

Standard Colour: RAL 7035 - Light Grey

Total Power Consumption : 9W to 295W

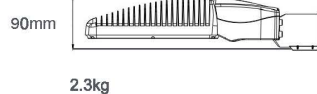
Temperature Range: -30°C to 45°C - 10% to 96% RH (no condensing)

LED Lifespan (L80B50)\* : 100 000 Hrs @ 35°C ambient / 80 000 Hrs @ 45°C ambient

\* PF >0.95 Lagging

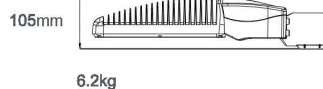
\*\*Lumen depreciation not more than 20% in accordance with LM-80 – TM-21

**SLX - S**



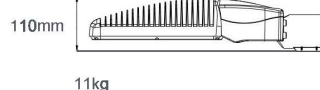
**9W - 54W**

**SLX - M**



**27W - 108W**

**SLX - L**



**54W - 194W**

**SLX - L - HD**



**107W - 295W**

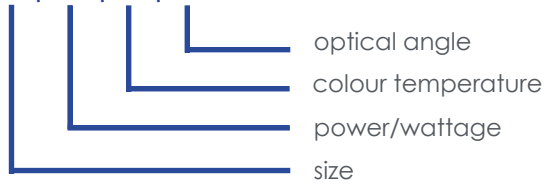
The SLX range of luminaries comes standard in 35 wattages from 9W - 295W. These are housed in 4 different sizes and conveniently labelled small, medium, large and extra large. All models are available with various beam angles, colour temperatures and spigot mountings, allowing the SLX to be the perfect fit for a wide range of pole spacing and height combinations.

Model	Power	Drive Current	LED	Source Lumen (Typ) **
SLX-S-9	9	0,350	8	1348
SLX-S-13	13	0,500	8	1857
SLX-S-19	18	0,700	8	2504
SLX-S-27	27	1,000	8	3410
SLX-S-18	18	0,350	16	2696
SLX-S-26	26	0,500	16	3713
SLX-S-37	37	0,700	16	5009
SLX-S-54	54	1,000	16	6820
Model	Power	Drive Current	LED	Source Lumen (Typ) **
SLX-M-27	27	0,350	24	4044
SLX-M-39	39	0,500	24	5570
SLX-M-55	55	0,700	24	7513
SLX-M-81	81	1,000	24	10231
SLX-M-36 *	36	0,350	32	5391
SLX-M-52 *	52	0,500	32	7426
SLX-M-74 *	74	0,700	32	10017
SLX-M-108	108	1,000	32	13641
Model	Power	Drive Current	LED	Source Lumen (Typ) **
SLX-L-54	54	0,350	48	8087
SLX-L-78	78	0,500	48	11140
SLX-L-111	111	0,700	48	15026
SLX-L-162	162	1,000	48	20461
SLX-L-71	71	0,350	64	10783
SLX-L-103	103	0,500	64	14853
SLX-L-147	147	0,700	64	20034
SLX-L-89 *	89	0,350	80	13479
SLX-L-129	129	0,500	80	18566
SLX-L-184	184	0,700	80	25043
SLX-L-94 *	94	0,350	84	14153
SLX-L-136	136	0,500	84	19494
SLX-L-194	194	0,700	84	26295
Model	Power	Drive Current	LED	Source Lumen (Typ) **
SLX-L-HD-107	107	0,350	96	16174
SLX-L-HD-155	155	0,500	96	22279
SLX-L-HD-221	221	0,700	96	30052
SLX-L-HD-143	143	0,350	128	21566
SLX-L-207 *	207	0,500	128	29706
-L-295	295	0,700	128	40069

\* Manufactured on request only. More economical options available.

\*\* The source Lumen is based on the LED typical value of the luminosity bin and output at full working temperature with an ambient of 25°C. Actual output will depend on optical arrangement, pollution etc. Above is a reference to the 4000K colour bin.

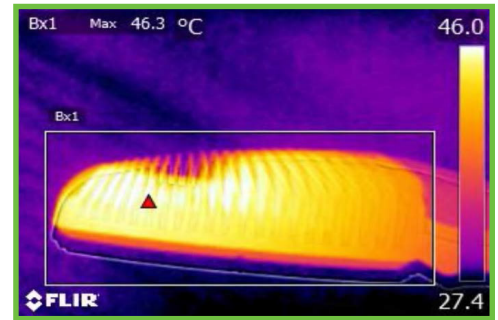
PRODUCT CODE: SLX | S | W | C | O



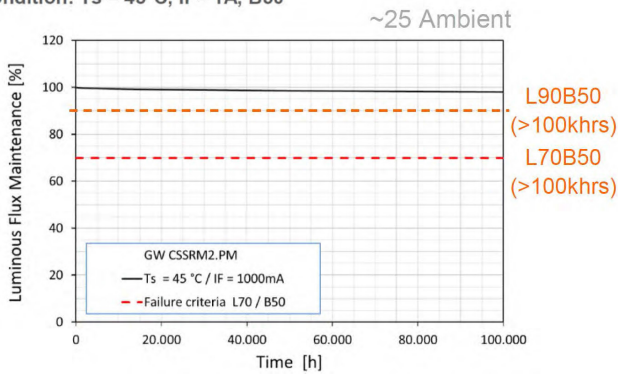
model / wattage	colour temperature	optics	additional options
select from table above	30 - 3000°K 40 - 4000°K 50 - 5000°K 57 - 5700°K	S1 - Standard Major Road S2 - S16 (see table below)	12V - 12V option 24V - 24V option DN - day/night included 20KV - 20kV protection IK10 - PC cover

## lifespan details

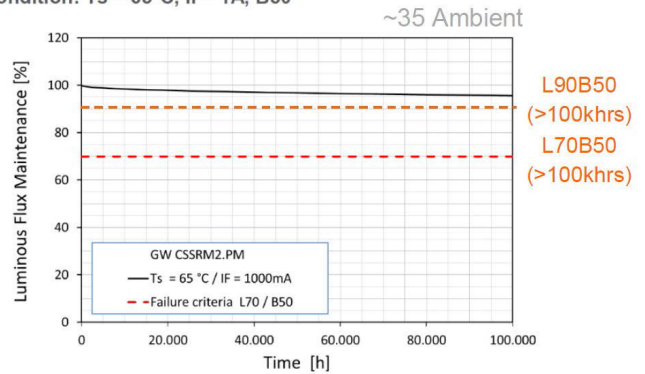
The lifespan calculations have been verified by the LED manufacture (OSRAM) in the product application. Designed to operate LED light sources of upto 295w in an ambient environment of upto 55 °C, without reducing the useful lifespan of 100 000 hours, at a lumen depreciation of not more than 20% (L80B50).



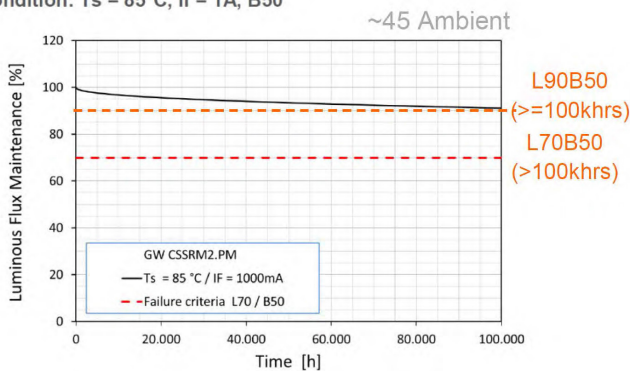
Condition: Ts = 45°C, If = 1A, B50



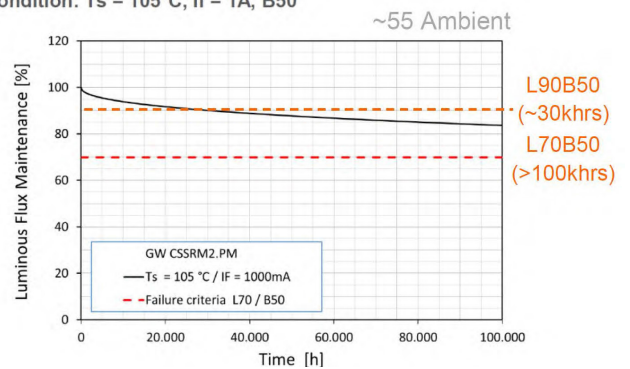
Condition: Ts = 65°C, If = 1A, B50



Condition: Ts = 85°C, If = 1A, B50



Condition: Ts = 105°C, If = 1A, B50



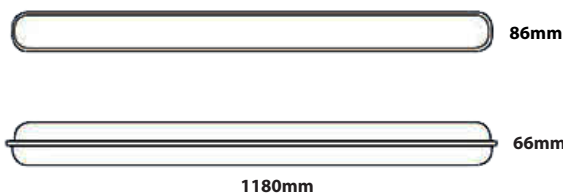


### GTL511/1200/4000K

LED Corrosion Proof Fitting  
Voltage: 220V  
Wattage: 36W  
Lumen: 3000Lm  
Colour Temp: 4000K  
IP Rating: IP65  
Lifespan: 30 000Hrs  
Size: 1180 x 66 x 86mm  
220-240V ~ 50/60Hz  
Protection Class II  
Working Temp: -20° to 40°C  
CRI: >80  
Body & Diffuser: PC

### GTL511/1200/6500K

LED Corrosion Proof Fitting  
Voltage: 220V  
Wattage: 36W  
Lumen: 3000Lm  
Colour Temp: 6500K  
IP Rating: IP65  
Lifespan: 30 000Hrs  
Size: 1180 x 66 x 86mm  
220-240V ~ 50/60Hz  
Protection Class II  
Working Temp: -20° to 40°C  
CRI: >80  
Body & Diffuser: PC





### GTL512

LED Corrosion Proof Fitting  
Voltage: 220V  
Wattage: 48W  
Lumen: 4000Lm  
Colour Temp: 4000K or 6500K  
IP Rating: IP65  
Lifespan: 30 000Hrs  
Size: 1480 x 72 x 86mm  
Protection Class II  
Working Temp: -20° to 40°C  
CRI: >80  
Body & Diffuser: PC

### GTL512-3CCT

LED Corrosion Proof Fitting  
Voltage: 220V-240V, 50/60Hz  
Wattage: 48W  
Lumen: 4000Lm  
**Colour Temp: 3000K, 4000K & 6500K Adjustable**  
IP Rating: IP65  
Lifespan: 30 000Hrs  
Size: 1480 x 72 x 86mm  
Protection Class II  
Working Temp: -20° to 40°C  
CRI: >80  
Body & Diffuser: PC



1480mm





### GTL514

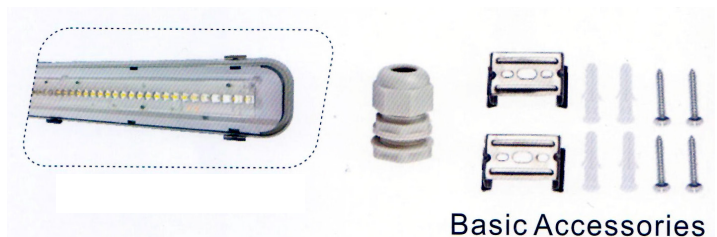
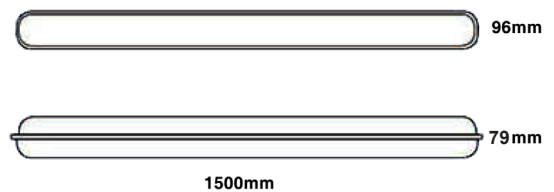
#### Specifications:

Cover Material: High impact resistant polycarbonate with light diffusing agent  
 Fixture Housing: Polycarbonate

#### Light Source:

- High quality LED chips
- Low-carbon
- Low heat
- Energy saving
- Eco friendly
- Mercury free
- 25°C ambient temperature under 70 lumen
- Warranty Time: 5 Years
- Lifespan: 50 000Hrs
- Colour Temperature: 4000K or 6000K
- IP Rating: IP65
- CRI>80: Yes
- Class 1
- Driver: PF>0.9, No Flicker, 5 year guarantee
- Stainless Steel fixing side clips
- Lifespan: 50 000 Hours/ 5 Year guarantee
- IES Files: YES

Wattage:	55W
LED:	SMD5630
LED quantity:	144
Lumen:	6400lm
Light Efficiency:	116lm/w
Length:	1500mm
Width:	96mm
Height:	79mm
VoltageInput:	220-240V





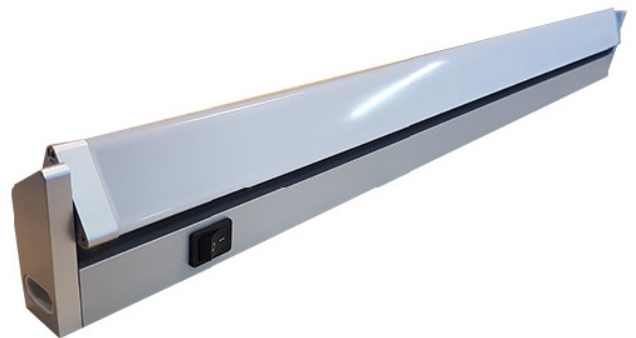
### GTL515/ 3CCT

Cover Material: LED Cabinet Light  
Aluminium body with Opal lens

Wattage: 8W  
Voltage: 100-240V, 50/60Hz  
Power Factor: 0.9  
Lumens: 600Lm  
IP Rating: IP20  
Kelvin: 3CCT - 3000K, 4000K, 6000K  
Average Lifespan: 30 000H  
Beam Angle: 105°

Length: 560mm  
Width: 62mm  
Depth: 25mm

LED

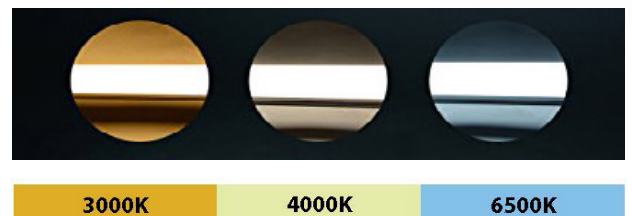


### GTL516/ 3CCT

Cover Material: LED Cabinet Light  
Aluminium body with Opal lens

Wattage: 13W  
Voltage: 100-240V, 50/60Hz  
Power Factor: 0.9  
Lumens: 900Lm  
IP Rating: IP20  
Kelvin: 3CCT - 3000K, 4000K, 6000K  
Average Lifespan: 30 000H  
Beam Angle: 105°

Length: 890mm  
Width: 60mm  
Depth: 24mm



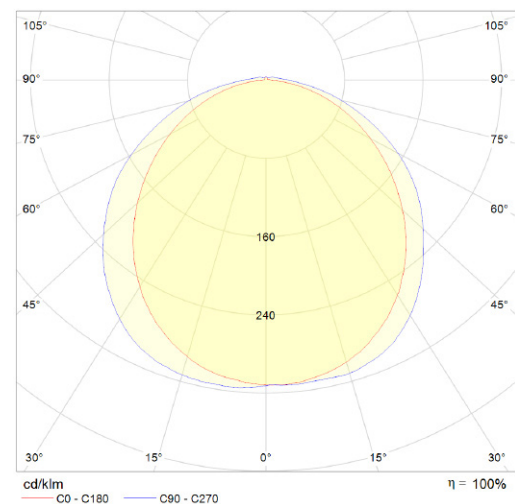




### GTL521 Corrosion Proof LED T8

T8 2 x 24W LED Lamps - Excluded  
Length: 1590mm  
Width: 101mm  
Height: 56.8mm

IP Rating: IP65  
Body Diffuser: ABS, PC, Stainless Steel  
Impact Protection: IK06  
Voltage: 220-240V  
2 x 24W LED lamp (Lamps Excluded)  
Rated Input Power: 2 x 24W  
System Power Factor: >0.9  
Certifications: CB  
Operating Temperature: -20° to +40°C  
Warranty: 3 Years

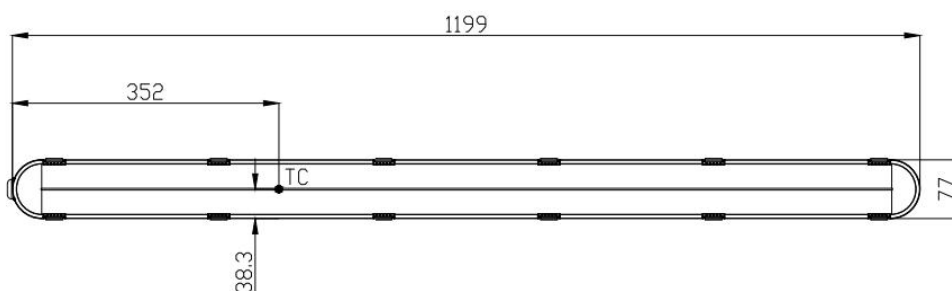
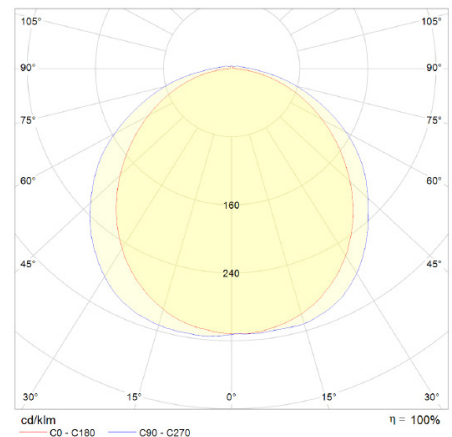




### GTL525 36W Vapour Proof LED

Length: 1199mm  
Width: 77mm  
Height: 68mm

IP Rating: IP65  
Impact Protection: IK08  
Voltage: 220-240V  
Rated Input Power: 36W  
Power Output: 240mA  
Driver Efficiency: 91%  
System Power Factor: >0.9  
Colour Temperature: 4000K  
Luminous Flux: 5400Lm  
CRI: >80  
Rated Luminaire efficacy: 150Lm/W  
Lifespan: 50 000 hours  
Certifications: GS, CE-LVD, CE-EMC, CB  
Operating Temperature: -20° to +40°C  
Warranty: 5 Years  
IES Files: YES

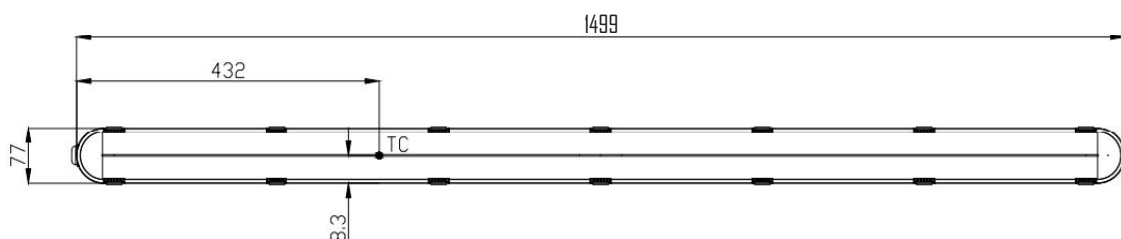
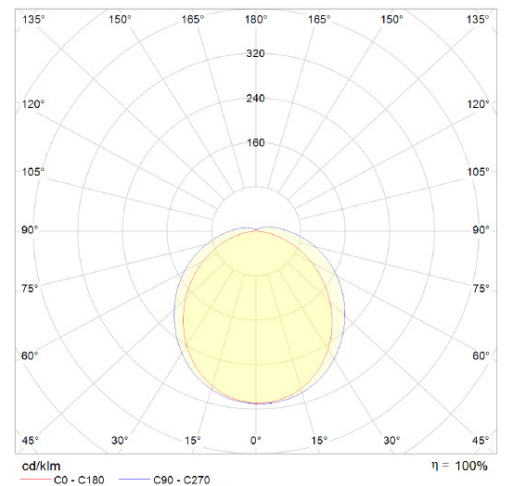




### GTL526 48W Vapour Proof LED

Length: 1499mm  
Width: 77mm  
Height: 68mm

IP Rating: IP65  
Impact Protection: IK08  
Voltage: 220-240V  
Rated Input Power: 48W  
Power Output: 360mA  
Driver Efficiency: 92%  
System Power Factor: >0.9  
Colour Temperature: 4000K  
Luminous Flux: 7200Lm  
CRI: >80  
Rated Luminaire efficacy: 150Lm/W  
Lifespan: 50 000 hours  
Certifications: GS, CE-LVD, CE-EMC, CB  
Operating Temperature: -20° to +40°C  
Warranty: 5 Years  
IES Files: YES



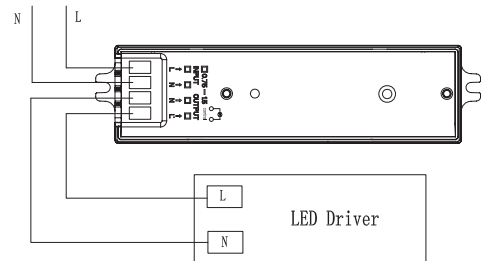
### HD02S-6 1

Rod antenna, DIP switch

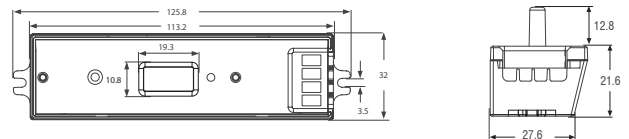


HD02S-6 1 DIP switches on front

### Microwave Sensor Code: GTL092



Wiring diagram



Unit:mm



On/off control



Daylight sensor



Detection area

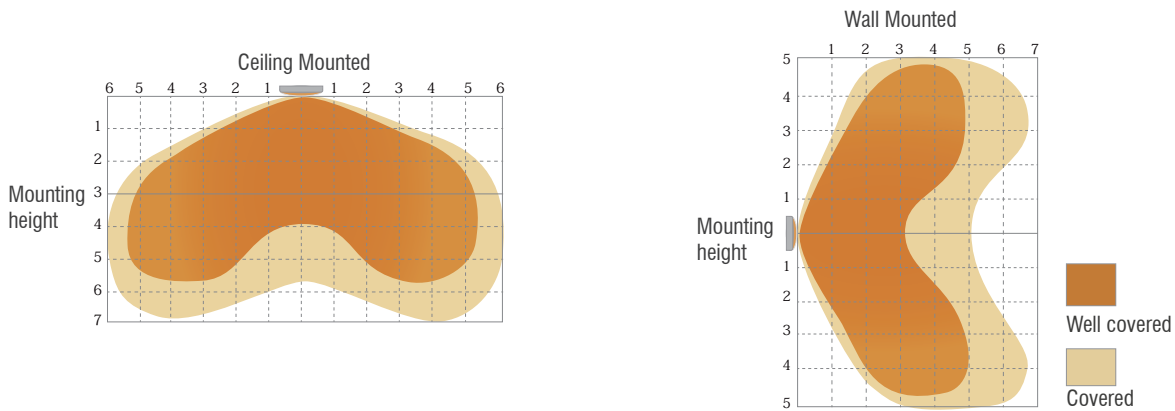


Hold time

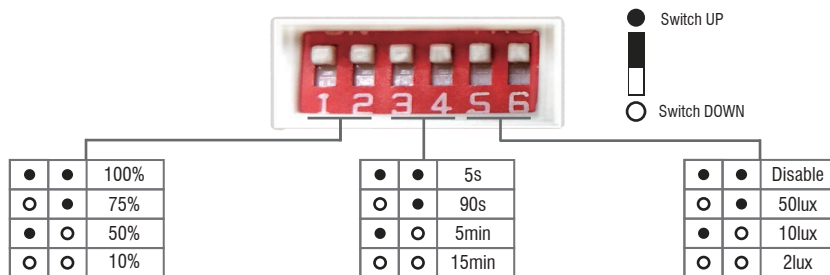
#### 01 Technical data

Operating voltage	220~240 VAC 50/60Hz
Switching capacity	Max.400W(Control gear) Max.800W(Incandescent lamp)
Stand-by power	≤0.5W
Detection area	10%/50%/75%/100%
Hold time	5s/90s/5min/15min
Daylight threshold	2Lux/10Lux/50Lux/Disable
Microwave frequency	5.8GHz±75MHz
Microwave power	<0.3mW
Interfaces	4-pole pluggable clamp terminal(L,N,N,L) for 1.5mm <sup>2</sup> cable
Mounting height	Max.6m(ceiling mounted); Max.3m(wall mounted)
Detection range	Max.ø14m(ceiling mounted); Max.10m(wall mounted)
Detection angle	30°-150°
Operating temperature	-20°C~+55°C
IP rating	IP20

### 02 Detection coverage



### 03 Settings



#### Detection area

Detection area means detection coverage. It can be adjusted by combining DIP switches for specific application.

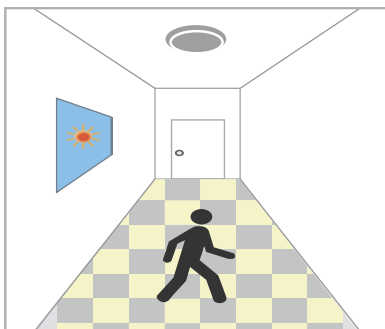
#### Hold-time

Hold-time means the time period the light will be ON after the last detection.

#### Daylight threshold

Daylight sensor prior to motion sensor. Set threshold for specific needs. If Disabled, only motion sensor works.

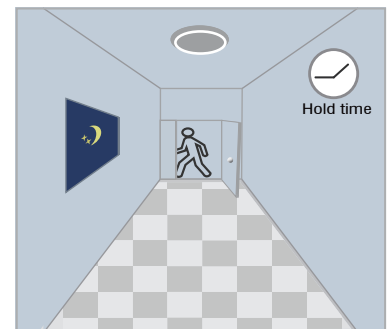
### 04 Application Function Demo-On/off control



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After the last detection and the present hold time elapsed, light OFF.



### GTL509 LED Slimline Batten Fitting

#### FEATURES:

- Protection Class I
- IP20
- Usage: Indoor
- Body: Aluminium
- Working Temperature: - 20~40°C
- Power Factor: >0.9
- Lifespan: 30 000Hrs
- Input Voltage: 220-240V ~ 50/60Hz
- Wattage: 16W LED
- Lumen: 1400Lm
- Colour Temperature: 4000K
- Beam Angle: 105°

#### DIMENSIONS:

- Length: 600mm
- Width: 74mm
- Height: 26mm

### GTL510 LED Slimline Batten Fitting

#### FEATURES:

- Protection Class I
- IP20
- Usage: Indoor
- Body: Aluminium
- Working Temperature: - 20~40°C
- Power Factor: >0.9
- Lifespan: 30 000Hrs
- Input Voltage: 220-240V ~ 50/60Hz
- Wattage: 32W LED
- Lumen: 2800Lm
- Colour Temperature: 4000K
- Beam Angle: 105°

#### DIMENSIONS:

- Length: 1200mm
- Width: 74mm
- Height: 26mm



LED



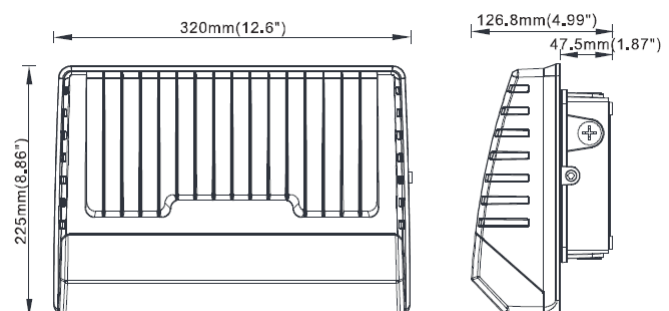
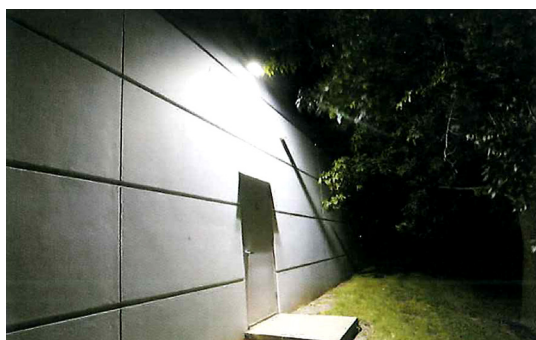
### WALL PACK LIGHT BR/WP/80W/4000K

#### FEATURES

- Soft light with high light effect
- Cold lighting source, no heat, no harmful metal mercury and environmental protection.
- Low power consumption, long lifespan, good stability, high reliability.
- 80% Reduction in energy consumption.
- Novel & elegant design with modern lighting features.
- Easy to install and adjust.

#### BENEFITS

- ADC12 Die-cast aluminium alloy housing
- IK10 strong protection, good optical function
- Water resistant: IP65
- Lifespan: 50 000Hrs
- Operating Temperature: - 20-50°C
- Storage Temperature: - 40-60°C
- Power: 80W
- Lumen: 115Lm/w
- CCT: 4000K
- CRI: >80
- Weight: 3.67kg
- Beam: 120°
- Width: 320mm
- Height: 225mm
- Depth: 126.8mm



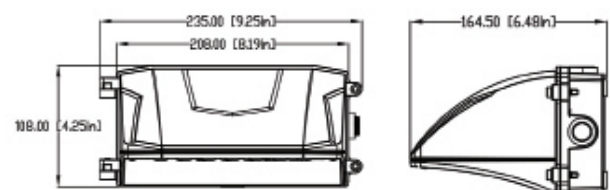
### WALL PACK LIGHT BRR/WP/30W

#### FEATURES

- Soft light with high light effect
- Cold lighting source, no heat, no harmful metal mercury and environmental protection.
- Low power consumption, long lifespan, good stability, high reliability.
- 80% Reduction in energy consumption.
- Novel & elegant design with modern lighting features.
- Easy to install and adjust.

#### BENEFITS

- ADC12 Die-cast aluminium alloy housing
- IK10 strong protection, good optical function
- Water resistant: IP65
- Lifespan: 50 000Hrs
- Operating Temperature: - 40~+ 50°C (C5) & - 20~+ 50°C (C4)
- Drivers: Sosen Driver, AC100 - 277V & UL/ TUV/ SAA Driver: AC120-347
- Storage Temperature: - 40°C + 80°C
- Power: 30W, 50W, 70W, 80W, 100W
- Lumen: 140Lm/w
- CCT: 4000K
- Leds: SMD3030
- CRI: >80
- Weight: 1.85kg & 4.50kg
- Beam: 120°
- Width: 234.95mm
- Height: 107.95mm
- Depth: 164.592mm





### ULTRA LOW GLARE HEATER TEC002 - 2000W

#### FEATURES:

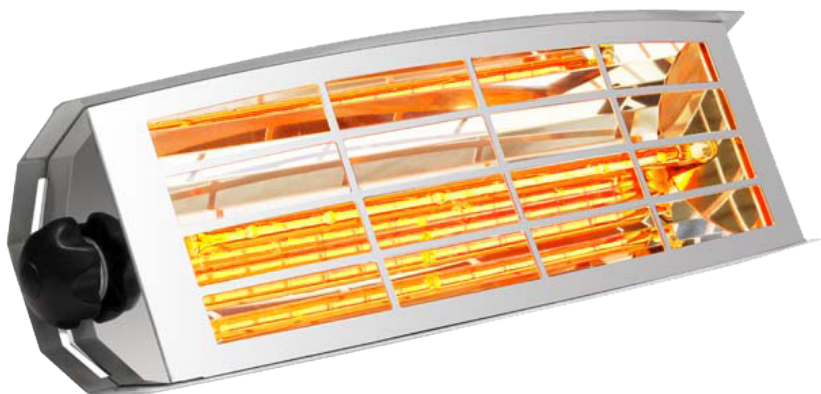
- Grey mild steel Infrared radiant heater
- Ultra Low Glare lamp – 60% Less glare
- Warms people and the environment. Delivers sunshine indoors
- Modern Design
- 80% more economical than gas
- No Gas burning smell
- Adjustable lever
- 5000-8000 hour lamp life
- 2000W lamp
- Aesthetically pleasing – Suitable for indoor and outdoor heating (under cover)
- Significant cost saving
- Clean and odourless
- Comfortable direction flow
- Maintenance free
- Easy installation Specifications

#### HEATING AREA GUIDE:

- Insulated areas: 12m<sup>2</sup>
- Uninsulated areas: 8m<sup>2</sup>
- Open draughty areas: 6m<sup>2</sup>

#### IDEAL FOR:

- Restaurants & coffee bars
- Entertainment area
- Indoor Building
- Homes
- Office Blocks
- Lecture Rooms



### ULTRA LOW GLARE HEATER TEC003 - 1500W

#### FEATURES:

- Grey mild steel Infrared radiant heater
- Ultra Low Glare lamp – 60% Less glare
- Warms people and the environment. Delivers sunshine indoors
- Modern Design
- 80% more economical than gas
- No Gas burning smell
- Adjustable lever
- 5000-8000 hour lamp life
- 1500W lamp
- Aesthetically pleasing – Suitable for indoor and outdoor heating (under cover)
- Significant cost saving
- Clean and odourless
- Comfortable direction flow
- Maintenance free
- Easy installation Specifications

#### HEATING AREA GUIDE:

- Insulated areas: 12m<sup>2</sup>
- Uninsulated areas: 8m<sup>2</sup>
- Open draughty areas: 6m<sup>2</sup>

#### IDEAL FOR:

- Restaurants & coffee bars
- Entertainment area
- Indoor Building
- Homes
- Office Blocks
- Lecture Rooms



### LOW GLARE STAINLESS STEEL HEATER TEC004 - 1500W

#### FEATURES:

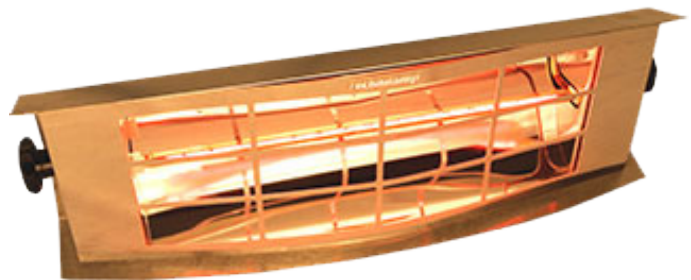
- Suitable for Indoor and Outdoor heating (under cover)
- Modern Design
- 80% more economical than gas
- No Gas burning smell
- Adjustable lever
- 5000-8000 hour lamp life
- 1500W lamp
- Aesthetically pleasing
- Significant cost saving
- Clean and odourless
- Comfortable direction flow
- Maintenance free
- Easy installation
- Stainless Steel

#### HEATING AREA GUIDE:

- Insulated areas: 16m<sup>2</sup>
- Uninsulated areas: 12m<sup>2</sup>
- Open draughty areas: 8m<sup>2</sup>

#### IDEAL FOR:

- Restaurants & coffee bars
- Entertainment area
- Indoor Building
- Homes
- Office Blocks
- Lecture Rooms



### BATHROOM HEATER TEC005 - 850W

#### FEATURES:

- 850W Infrared heater
- Gold lamp
- IP65 certified
- Adjustable handle
- Plug-in system
- Consumes only 3.86 amps
- Wall-mounted
- Direct zone heating
- Low glare
- Splash proof
- Easy directional heat control
- Easy to install
- Highly cost effective
- Recommended by Eskom as the most cost effective method of heating
- Size: L: 305mm; H: 100mm; W: 75mm

#### HEATING AREA GUIDE:

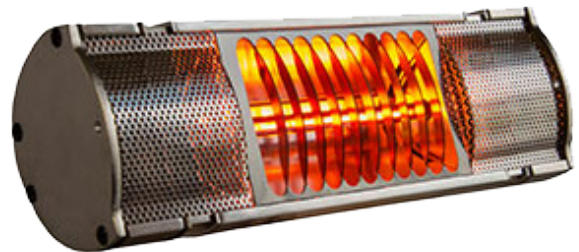
- Insulated areas: 6m<sup>2</sup>
- Uninsulated areas: 4m<sup>2</sup>

#### POSITIONING GUIDE:

- From door: 1.8m
- From ceiling: 0.5m
- From side wall: 0.5m

#### IDEAL FOR:

Instant radiant heat in any type of bathroom environment



### WALL MOUNTED PANEL HEATER CFW1102 - 425W

#### FEATURES:

- 425W Infrared heater
- Efficiently warms a room of approximately 12m<sup>2</sup>
- Low wattage and natural convection creates highly efficient heating
- Safe to use around children and pets
- Wall-mounted
- Direct zone heating
- Can be painted with water soluble paints
- Easy directional heat control
- Easy to install
- Size: L: 600mm; H: 600mm; W: 600mm

#### HEATING AREA GUIDE:

- Insulated areas: 12m<sup>2</sup>
- Uninsulated areas: 12m<sup>2</sup>

#### POSITIONING GUIDE:

- From door: 1.8m
- From ceiling: 0.5m
- From side wall: 0.5m

#### IDEAL FOR:

Instant radiant heat in any type of bedroom environment





35W Single Output Switching Power Supply

### MW-LRS-35W series



#### • Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 second
- No load power consumption < 0.2W
- Miniature size and 1U low profile
- High operating temperature up to 70°C
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Compliance to IEC/EN 60335-1 (PD3) and IEC/EN61558-1, -2-16 for household appliances
- Operating altitude up to 5000 meters (Note.8)
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty

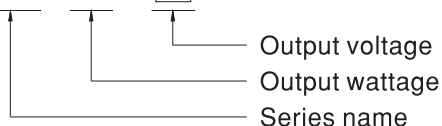
#### • Description

LRS-35 series is a 35W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85~264VAC input, the entire series provides an output voltage line of 5V, 12V, 15V, 24V, 36V and 48V.

In addition to the high efficiency up to 89%, the design of metallic mesh case enhances the heat dissipation of LRS-35 that the whole series operates from -30°C through 70°C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.2W), it allows the end system to easily meet the worldwide energy requirement. LRS-35 has the complete protection functions and 5G anti-vibration capability; it is complied with the international safety regulations such as TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943. LRS-35 series serves as a high price-to-performance power supply solution for various industrial applications.

#### • Model Encoding

LRS - 35 - 5



#### • Applications

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances



All drivers come with terminal covers on the primary side

### SPECIFICATION

MODEL		MW-LRS-35-12	MW-LRS-35-24			
OUTPUT	DC VOLTAGE	12V	24V			
	RATED CURRENT	3A	1.5A			
	CURRENT RANGE	0 ~ 3A	0 ~ 1.5A			
	RATED POWER	36W	36W			
	RIPPLE & NOISE (max.) Note.2	120mVp-p	150mVp-p			
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V			
	VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%			
	LINE REGULATION Note.4	± 0.5%	± 0.5%			
	LOAD REGULATION Note.5	± 0.5%	± 0.5%			
	SETUP, RISE TIME	1000ms, 30ms/230VAC    2000ms,30ms/115VAC at full load				
	HOLD UP TIME (Typ.)	30ms/230VAC    12ms/115VAC at full load				
INPUT	VOLTAGE RANGE	85 ~ 264VAC    120 ~ 373VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	86%	88%			
	AC CURRENT (Typ.)	0.7A/115VAC    0.42A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 45A/230VAC				
	LEAKAGE CURRENT	<0.75mA / 240VAC				
PROTECTION	OVER LOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	13.8 ~ 16.2V	28.8 ~ 33.6V			
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	± 0.03%/°C(0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes				
SAFETY & EMC (Note 9)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943 approved				
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC    I/P-FG:2KVAC    O/P-FG:1.25KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C / 70% RH				
	EMC EMISSION	Compliance to EN55022 (CISPR22), GB9254 Class B, EN55014, EN61000-3-2,-3				
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A				
	MTBF	763.6K hrs min.    MIL-HDBK-217F (25°C)				
	DIMENSION	99*82*30mm (L*W*H)				
NOTE	PACKING	0.23Kg ; 60pcs/14.8Kg/0.88CUFT				
	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Line regulation is measured from low line to high line at rated load.</p> <p>5. Load regulation is measured from 0% to 100% rated load.</p> <p>6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.</p> <p>7. 5V when the load factor 0~50%, the switching power less is reduced by burst operation, which will cause ripple and ripple noise to go beyond the specifications.</p> <p>8. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft).</p> <p>9. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a>)</p>					



75W Single Output Switching Power Supply

### MW-LRS-75W series



#### • Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 second
- No load power consumption < 0.3W
- Miniature size and 1U low profile
- High operating temperature up to 70°C
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Compliance to IEC/EN 60335-1 (PD3) and IEC/EN61558-1, -2-16 for household appliances
- Operating altitude up to 5000 meters (Note.7)
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- LED indicator for power on
- Over voltage category III
- 100% full load burn-in test
- 3 years warranty

#### • Applications

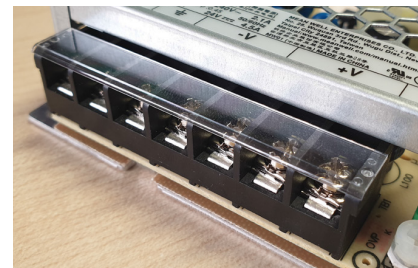
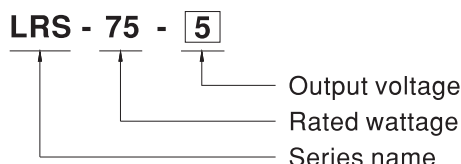
- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances

#### • Description

LRS-75 series is a 75W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85~264VAC input, the entire series provides an output voltage line of 5V, 12V, 15V, 24V, 36V and 48V.

In addition to the high efficiency up to 91.5%, the design of metallic mesh case enhances the heat dissipation of LRS-75 that the whole series operates from -30°C through 70°C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.3W), it allows the end system to easily meet the worldwide energy requirement. LRS-75 has the complete protection functions and 5G anti-vibration capability; it is complied with the international safety regulations such as TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943. LRS-75 series serves as a high price-to-performance power supply solution for various industrial applications.

#### • Model Encoding



All drivers come with terminal covers on the primary side

### SPECIFICATION

MODEL		MW-LRS-75-12	MW-LRS-75-24			
OUTPUT	DC VOLTAGE	12V	24V			
	RATED CURRENT	6A	3.2A			
	CURRENT RANGE	0 ~ 6A	0 ~ 3.2A			
	RATED POWER	72W	76.8W			
	RIPPLE & NOISE (max.) Note.2	120mVp-p	150mVp-p			
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V			
	VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%			
	LINE REGULATION Note.4	± 0.5%	± 0.5%			
	LOAD REGULATION Note.5	± 0.5%	± 0.5%			
	SETUP, RISE TIME	500ms, 30ms/230VAC    500ms,30ms/115VAC at full load				
	HOLD UP TIME (Typ.)	60ms/230VAC    12ms/115VAC at full load				
INPUT	VOLTAGE RANGE	85 ~ 264VAC	120 ~ 373VDC			
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	89%	90%			
	AC CURRENT (Typ.)	1.4A/115VAC    0.85A/230VAC				
	INRUSH CURRENT (Typ.)	COLD START 65A/230VAC				
	LEAKAGE CURRENT	<0.75mA / 240VAC				
PROTECTION	OVER LOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	13.8 ~ 16.2V	28.8 ~ 33.6V			
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing				
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)				
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes				
	OVER VOLTAGE CATEGORY	III ; Compliance to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters				
SAFETY & EMC (Note 8)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943.1, BSMI CNS14336-1, EAC TP TC 004, AS/NZS 60950.1 (by CB) approved				
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC    I/P-FG:2KVAC    O/P-FG:1.25KVAC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC / 25% / 70% RH				
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN55014, EN61000-3-2,-3, GB/T 9254, BSMI CNS13438, EAC TP TC 020				
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020				
	MTBF	681.2K hrs min.    MIL-HDBK-217F (25°C)				
	DIMENSION	99*97*30mm (L*W*H)				
	PACKING	0.25Kg ; 45pcs/ 12.25Kg/ 0.77CUFT				
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Line regulation is measured from low line to high line at rated load.</p> <p>5. Load regulation is measured from 0% to 100% rated load.</p> <p>6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.</p> <p>7. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft).</p> <p>8. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a>)</p>					





### 100W Single Output Switching Power Supply **MW-LRS-100W** series



#### • Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 second
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Miniature size and 1U low profile
- Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1, 2-16 for household appliances
- Operating altitude up to 5000 meters (Note.7)
- Withstand 5G vibration test
- LED indicator for power on
- No load power consumption<0.3W
- Over voltage category III
- 100% full load burn-in test
- High operating temperature up to 70°C
- High efficiency, long life and high reliability
- 3 years warranty

#### • Applications

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances



All drivers come with terminal covers on the primary side

#### • Description

LRS-100 series is a 100W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85~264VAC input, the entire series provides an output voltage line of 3.3V, 5V, 12V, 15V, 24V, 36V and 48V.

In addition to the high efficiency up to 91%, the design of metallic mesh case enhances the heat dissipation of LRS-100 that the whole series operates from -30°C through 70°C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.3W), it allows the end system to easily meet the worldwide energy requirement. LRS-100 has the complete protection functions and 5G anti-vibration capability; it is complied with the international safety regulations such as TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943. LRS-100 series serves as a high price-to-performance power supply solution for various industrial applications.

#### • Model Encoding

**LRS - 100 - 3.3**



### SPECIFICATION

MODEL		MW-LRS-100-12	MW-LRS-100-24				
OUTPUT	DC VOLTAGE	12V	24V				
	RATED CURRENT	8.5A	4.5A				
	CURRENT RANGE	0 ~ 8.5A	0 ~ 4.5A				
	RATED POWER	102W	108W				
	RIPPLE & NOISE (max.) Note.2	120mVp-p	150mVp-p				
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V				
	VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%				
	LINE REGULATION Note.4	± 0.5%	± 0.5%				
	LOAD REGULATION Note.5	± 0.5%	± 0.5%				
	SETUP, RISE TIME	500ms, 30ms/230VAC    500ms,30ms/115VAC at full load					
HOLD UP TIME (Typ.)	55ms/230VAC    10ms/115VAC at full load						
INPUT	VOLTAGE RANGE	85 ~ 264VAC    120 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	88%	90%				
	AC CURRENT (Typ.)	1.9A/115VAC    1.2A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 50A/230VAC					
	LEAKAGE CURRENT	<0.75mA / 240VAC					
PROTECTION	OVER LOAD	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	13.8 ~ 16.2V	28.8 ~ 33.6V				
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)					
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes					
	OVER VOLTAGE CATEGORY	III ; Compliance to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters					
SAFETY & EMC (Note 8)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943.1, BSMI CNS14336-1, EAC TP TC 004, AS/NZS 60950.1(by CB) approved					
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC    I/P-FG:2KVAC    O/P-FG:1.25KVAC					
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH					
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN55014, EN61000-3-2,-3, GB/T 9254, BSMI CNS13438, EAC TP TC 020					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020					
OTHERS	MTBF	720.6K hrs min.    MIL-HDBK-217F (25°C)					
	DIMENSION	129*97*30mm (L*W*H)					
	PACKING	0.34Kg ; 40pcs/14.6Kg/0.92CUFT					
NOTE	<p>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</p> <p>3. Tolerance : includes set up tolerance, line regulation and load regulation.</p> <p>4. Line regulation is measured from low line to high line at rated load.</p> <p>5. Load regulation is measured from 0% to 100% rated load.</p> <p>6. Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.</p> <p>7. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft).</p> <p>8. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a>)</p>						



150W Single Output Switching Power Supply

### MW-LRS-150W series

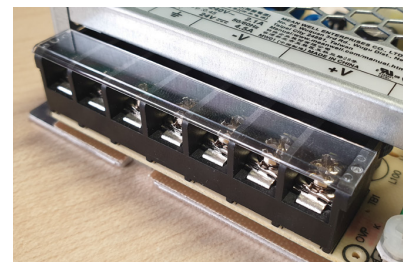


#### • Features

- AC input range selectable by switch
- Withstand 300VAC surge input for 5 second
- No load power consumption < 0.5W
- Miniature size and 1U low profile
- High operating temperature up to 70°C
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Cooling by free air convection
- Compliance to IEC/EN 60335-1 (PD3) and IEC/EN 61558-1, 2-16 for household appliances
- Operating altitude up to 5000 meters
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- LED indicator for power on
- Over voltage category III
- 100% full load burn-in test
- 3 years warranty

#### • Applications

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances



All drivers come with terminal covers on the primary side

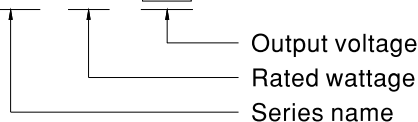
#### • Description

LRS-150 series is a 150W single-output enclosed type power supply with 30mm of low profile design. Adopting the input of 115VAC or 230VAC(selectable by switch), the entire series provides an output voltage line of 12V, 15V, 24V, 36V and 48V.

In addition to the high efficiency up to 90%, the design of metallic mesh case enhances the heat dissipation of LRS-150 that the whole series operates from -30°C through 70°C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.5W), it allows the end system to easily meet the worldwide energy requirement. LRS-150 has the complete protection functions and 5G anti-vibration capability; it is complied with the international safety regulations such as TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943. LRS-150 series serves as a high price-to-performance power supply solution for various industrial applications.

#### • Model Encoding

LRS - 150 - 12



### SPECIFICATION

MODEL		MW-LRS-150-12	MW-LRS-150-24		
OUTPUT	DC VOLTAGE	12V	24V		
	RATED CURRENT	12.5A	6.5A		
	CURRENT RANGE	0 ~ 12.5A	0 ~ 6.5A		
	RATED POWER	150W	156W		
	RIPPLE & NOISE (max.) Note.2	150mVp-p	200mVp-p		
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V		
	VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%		
	LINE REGULATION Note.4	± 0.5%	± 0.5%		
	LOAD REGULATION Note.5	± 0.5%	± 0.5%		
	SETUP, RISE TIME	500ms, 30ms/230VAC    500ms,30ms/115VAC at full load			
HOLD UP TIME (Typ.)	40ms/230VAC    35ms/115VAC at full load				
INPUT	VOLTAGE RANGE	85 ~ 132VAC / 170 ~ 264VAC by switch    240 ~ 370VDC(switch on 230VAC)			
	FREQUENCY RANGE	47 ~ 63Hz			
	EFFICIENCY (Typ.)	87.5%	89%		
	AC CURRENT (Typ.)	3A/115VAC    1.7A/230VAC			
	INRUSH CURRENT (Typ.)	COLD STAR 60A/230VAC			
	LEAKAGE CURRENT	<0.75mA / 240VAC			
PROTECTION	OVER LOAD	110 ~ 140% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	OVER VOLTAGE	13.8 ~ 16.2V	28.8 ~ 33.6V		
		Protection type : Shut down o/p voltage, re-power on to recover			
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover			
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")			
	WORKING HUMIDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing			
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 5G 10min./1cycle, 60min. each along X, Y, Z axes			
	OVER VOLTAGE CATEGORY	III : Compliance to EN61558, EN50178, EN60664-1, EN62477-1; altitude up to 2000 meters			
SAFETY & EMC (Note 7)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943.1, BSMI CNS14336-1, EAC TP TC 004, AS/NZS 60950.1(by CB) approved			
	WITHSTAND VOLTAGE	I/P-O/P:4KVAC    I/P-FG:2KVAC    O/P-FG:1.25KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25% / 70% RH			
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN55014, EN61000-3-2 Class A(≤75% Load),EN61000-3-3, GB/T 9254, BSMI CNS13438, EAC TP TC 020			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020			
OTHERS	MTBF	601K hrs min.    MIL-HDBK-217F (25°C)			
	DIMENSION	159*97*30mm (L*W*H)			
	PACKING	0.48Kg ; 30pcs/15.4Kg/0.75CUFT			
NOTE	<ol style="list-style-type: none"> <li>All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>Line regulation is measured from low line to high line at rated load.</li> <li>Load regulation is measured from 0% to 100% rated load.</li> <li>Length of set up time is measured at cold first start. Turning ON/OFF the power supply very quickly may lead to increase of the set up time.</li> <li>The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on <a href="http://www.meanwell.com">http://www.meanwell.com</a>)</li> <li>The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m (6500ft).</li> </ol>				

# Axpert King Off-Grid Inverter

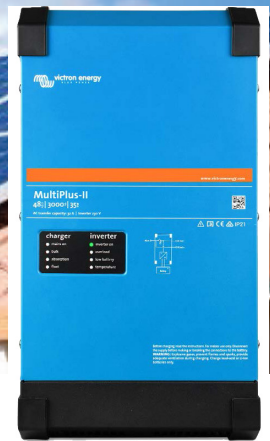


- Zero transfer time to protect mission-critical loads such as servers and ATM.
- Removable LCD control module with multiple communications
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Built-in anti-dusk filters
- Configurable AC/PV output usage timer and prioritization
- Optional parallel operation up to 9 units

## Axpert King Off-Grid Inverter Selection Guide

MODEL	Axpert King 3K	Axpert King 5K
Rated Power	3000VA/3000W	5000VA/5000W
Parallel Capability	Up to 9 units	Up to 9 units
<b>INPUT</b>		
Voltage	230 VAC	
Voltage Range	176-280 VAC at 100% load/ 110-280 VAC at 50% load	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation	230 VAC $\pm$ 5%	
Output THDv	<3% for linear load, <5% for non-linear load	
Surge Power	6000VA for 5 sec	10000VA for 5 sec
Efficiency (Peak)	94.4 % at Line Mode, 90% at Battery Mode	
Transfer Time	0 ms	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	34 VDC	66 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	145 VDC	
Maximum PV Array Power	1500 W	4000 W
MPP Range @ Operating Voltage	30 ~ 115 VDC	60~115VDC
Maximum Solar Charge Current	60 A	80 A
Maximum AC Charge Current	60 A	60 A
Maximum Charge Current	120 A	140 A
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	140 x 300 x 512	
Net Weight (kgs)	11.5	12.2
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact	
<b>ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without further notice.



### A MULTIPLUS, PLUS ESS (ENERGY STORAGE SYSTEM) FUNCTIONALITY

The MultiPlus-II is a multifunctional inverter/charger with all the features of the MultiPlus, plus an external current sensor option which extends the PowerControl and PowerAssist function to 50A resp. 100A. The MultiPlus-II is ideally suited for professional marine, yachting, vehicle and land based off-grid applications. It also has built-in anti-islanding functionality, and an increasingly long list of country approvals for ESS application. Several system configurations are possible. For more detailed information see the ESS Design and configuration manual.

### POWERCONTROL AND POWERASSIST BOOSTING THE CAPACITY OF THE GRID OR A GENERATOR

A maximum grid or generator current can be set. The MultiPlus-II will then take account of other AC loads and use whatever is extra for battery charging, thus preventing the generator or grid from being overloaded (PowerControl function). PowerAssist takes the principle of PowerControl to a further dimension. Where peak power is so often required only for a limited period, the MultiPlus-II will compensate insufficient generator, shore or grid power with power from the battery. When the load reduces, the spare power is used to recharge the battery.

### SOLAR ENERGY: AC POWER AVAILABLE EVEN DURING A GRID FAILURE

The MultiPlus-II can be used in off grid as well as grid connected PV and other alternative energy systems. It is compatible with both solar charger controllers and grid-tie inverters.

### TWO AC OUTPUTS

The main output has no break functionality. The MultiPlus-II takes over the supply to the connected loads in the event of a grid failure or when shore/ generator power is disconnected. This happens so fast (less than 20 milliseconds) that computers and other electronic equipment will continue to operate without disruption. The second output is live only when AC is available on the input of the MultiPlus-II. Loads that should not discharge the battery, like a water heater for example, can be connected to this output.

### VIRTUALLY UNLIMITED POWER THANKS TO PARALLEL AND THREE PHASE OPERATION

Up to 6 Multis can operate in parallel to achieve higher power output. Six 48/5000/70 units, for example, will provide 25 kW / 30 kVA output power with 420 Amps charging capacity. In addition to parallel connection, three units of the same model can be configured for three phase output. But that's not all: up to 6 sets of three units can be parallel connected for a 75 kW / 90 kVA inverter and more than 1200 Amps charging capacity.

### ON-SITE SYSTEM CONFIGURING, MONITORING AND CONTROL

Settings can be changed in a matter of minutes with VECConfigure software (computer or laptop & MK3-USB interface needed). Several monitoring and control options are available: Colour Control GX, Venus GX, Octo GX, CANvu GX, laptop, computer, Bluetooth (with the optional VE.Bus Smart dongle), Battery Monitor, Digital Multi Control Panel.

### REMOTE CONFIGURING AND MONITORING

Install a Colour Control GX or other GX product to connect to the internet. Operational data can be stored and displayed on our VRM (Victron Remote Management) website, free of charge. When connected to the internet, systems can be accessed remotely, and settings can be changed.

MODEL	MultiPlus-II	48/3000/35-32	48/5000/70-50	
	PowerControl & PowerAssist	Yes		
	Transfer switch	32A	50A	
	Maximum AC input current	32A	50A	
INVERTER	DC Input voltage range	38 – 66 V		
	Output	Output voltage: 230 VAC ± 2% Frequency: 50 Hz ± 0,1% (1)		
	Cont. output power at 25°C (3)	3000 VA	5000 VA	
	Cont. output power at 25°C	2400W	4000W	
	Cont. output power at 40°C	2200W	3700W	
	Cont. output power at 65°C	1700W	3000W	
	Maximum apparent feed-in power	2500 VA	4000 VA	
	Peak power	5500W	9000W	
	Maximum efficiency	95%	96%	
	Zero load power	11W	18W	
	Zero load power in AES mode	7W	12W	
	Zero load power in Search mode	2W	2W	
	CHARGER	AC Input	Input voltage range: 187-265 VAC Input frequency: 45 – 65 Hz	
		Charge voltage 'absorption'	57,6V	
Charge voltage 'float'		55,2V		
Storage mode		52,8V		
Maximum battery charge current (4)		35A	70A	
Battery temperature sensor		Yes		
GENERAL	Auxiliary output	Yes (32A)		
	External AC current sensor (optional)	50A	100A	
	Programmable relay (5)	Yes		
	Protection (2)	a - g		
	VE.Bus communication port	For parallel and three phase operation, remote monitoring and system integration		
	General purpose com. port	Yes, 2x		
	Remote on-off	Yes		
	Operating temperature range	-40 to +65°C (fan assisted cooling)		
ENCLOSURE	Humidity (non-condensing)	Max 95%		
	Material & Colour	Steel, blue RAL 5012		
	Protection category	IP22		
	Battery-connection	M8 bolts		
	230V AC-connection	Screw terminals 13mm <sup>2</sup> (6 AWG)		
	Weight	18kg	29kg	
	Dimensions (hwxwd)	506 x 275 x 147mm	565 x 323 x 148mm	
STANDARDS	Safety	EN-IEC 60335-1, EN-IEC 60335-2-29, EN-IEC 62109-1, EN-IEC 62109-2		
	Emission, Immunity	EN 55014-1, EN 55014-2 EN-IEC 61000-3-2, EN-IEC 61000-3-3 IEC 61000-6-1, IEC 61000-6-2, IEC 61000-6-3		
	Uninterruptible power supply	IEC 62040-1, AS 62040.1.1		
	Anti-islanding	VDE-AR-N 4105, TOR-D4, AS/NZS 4777.2, NRS 097-2-1, UTE C15-712-1, C10/11, RD 1699-RD 413, G59/3-2, G83/2		

1. Can be adjusted to 60 Hz
2. Protection key:
  - a. Output short circuit
  - b. Overload
  - c. Battery voltage too high
  - d. Battery voltage too low

- e. Temperature too high
- f. 230 VAC on inverter output
- g. Input voltage ripple too high
3. Non-linear load, crest factor 3:1
4. At 25°C ambient

5. Programmable relay which can be set for general alarm, DC under voltage or genset start/stop function.  
AC rating: 230V / 4A,  
DC rating: 4A up to 35VDC and  
1A up to 60VDC



### SOLAR MD 3.7KWH SS4037 ADVANCED LITHIUM-ION BATTERY

The SS4037 relies on Lithium Ion Phosphate batteries for its streamlined energy storage. The flexible modular design enables it to be set up with an unlimited number of batteries on the wall. The SS4037 features different storage capacities, according to user specific requirements. Capacity can be increased through parallel connections of the batteries.

#### SYSTEM FEATURES

- SS4037 is a flexible solution from small to large configurations
- Support system parallel connection
- CAN communication
- Modular design

#### APPLICATIONS

- Residential PV Installations for household energy demands
- Residential and commercial UPS systems
- The Solar MD 3.7kWh is used with an external battery inverter
- OFF GRID energy systems

#### SS4037

The Solar MD standard battery - SS4037 has been widely used in energy storage applications in the African market. The battery is produced with world leading LiFePO4 technology.

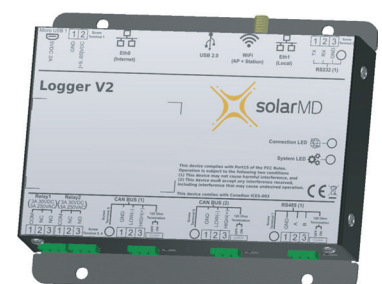
#### BATTERY FEATURES

- Stable discharge platform
- Excellent Safety
- Long lifecycle
- High temperature performance
- High energy density
- High charge and discharge rate
- High efficiency
- No pollution



#### OPTIONAL EXTRA

Battery Logger for remote client support in system function and optimisation.



SS4037	
Battery Type	Lithium Iron Phosphate (LiFePO4)
Battery module	SS4037
Rated battery capacity	3.7kWh
Output power	Max 5kWh
Usable battery energy @ 0.3C	3.7kWh
Nominal voltage	51.2V
Number of battery modules	1 module
Weight of SS4037	38kg
Operational voltage	44.8-55.6 Vdc
Communication	CAN
Dimensions of SS4037 (mm)	Width 320 x depth 200 x height 630
Battery cycle life (+25°C)	>4000
Charging efficiency	99%
Operational temperature	-5°C to +50°C
Transport	UN3480 & UN38.3
Storage duration	6 months at +25°C
Safety standard compliance	IEC 62619 / UN 38.3 / UL1642
Cell certificate	TUV / CE / RCM / UL1642





### SOLAR MD 7.4 KWH SS4074 ADVANCED LITHIUM-ION BATTERY

The SS4074 relies on Lithium Iron Phosphate batteries for its streamlined energy storage. The flexible modular design enables it to be set up with an unlimited number of batteries on the wall. The SS4074 features different storage capacities, according to user specific requirements. Capacity can be increased through parallel connections of the batteries.

#### SYSTEM FEATURES

- SS4074 is a flexible solution from small to large configurations
- Support system parallel connection
- CAN communication
- Modular design

#### APPLICATIONS

- Residential PV Installations for household energy demands
- Residential and commercial UPS systems
- The Solar MD 7.4kWh is used with an external battery inverter
- OFF-GRID energy systems

#### SS4074

The Solar MD standard battery – SS4074 has been widely used in energy storage applications in the African market. The battery is produced with world leading LiFePO<sub>4</sub> technology.

#### BATTERY FEATURES

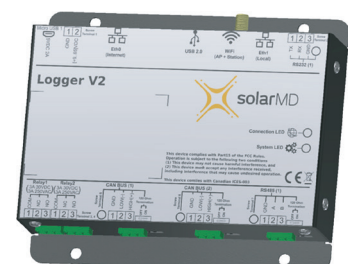
- Stable discharge platform
- Excellent Safety
- Long lifecycle
- High temperature performance
- High energy density
- High charge and discharge rate
- High efficiency
- No pollution



SS4074	
Battery type	Lithium Iron Phosphate (LiFePO <sub>4</sub> )
Battery module	SS4074
Rated battery capacity	7.4kWh
Output power	Max 5kW
Usable battery energy @ 0.3C	7.4kWh
Nominal Voltage	51,2V
Number of battery modules	1 module
Weight of SS4074	76kg
Operational voltage	44.8-55.6Vdc
Communication	CAN
Dimensions of SS4074	640W x 200D x 630H
Battery cycle life (+25°C)	>4000
Charging efficiency	99%
Operational temperature	-5°C to +50°C
Transport	UN3480 & UN38.3
Storage duration	6 months at +25°C
Safety standard compliance	IEC 62619 / UN 38.3 / UL1642
Cell Certificate	TUV / CE / RCM / UL1642

#### OPTIONAL EXTRA

Battery Logger for remote client support in system function and optimisation.





### ELE0018 HUBBLE LITHIUM - AM - 4 - 25V 2.75KW BATTERY

The ELE0018 relies on Lithium Iron Phosphate batteries for its streamlined energy storage. The flexible modular design enables it to be set up with an unlimited number of batteries on the wall. The ELE0018 features different storage capacities, according to user specific requirements. Capacity can be increased through parallel connections of the batteries.

#### FEATURES

- Advanced BMS with current limiting function
- CAN Bus, fully integrates and communicates with leading Inverter brands
- Excellent high temperature performance
- High Cycle Life and Service Life
- 1C High Performance Lithium battery
- High Energy Density and conversion efficiency
- Complete with integrated Battery Management System
- Compatible with most Inverters and chargers
- Low self discharge
- Easy wall mount or shelf rack installation
- Heavy duty side handles for easy handling and mounting on the wall
- Built in protection for over-charge, over-discharge & over-temperature



ITEM	SPECIFICATION
Model	Hubble AM-4
Rated Capacity (5HR)	100 Ah
Voltage	25 V
Discharge Cutoff Voltage	22.0 V
Equilized Charge Voltage	29 V
Max. Continuous Charging Current	100 A
Max. Continuous Discharging Current	100 A
C Rating	1.0 C
Weight	Approx. 21 Kg
Display	None
Parallel	Parallel connection up to 15 packs with full communications
Dimensions (WxDxH) mm	375mm x 147mm x 371mm
Ports	1x CAN-bus, 2x RS-485 Battery Link ports, 1x RS-232
Cells	New Li-ion Prismatic cells
Design Life	+/- 15 Years
Cycle Life @ 1C	+/- 3000 Cycles @ 100% DOD, Above 6000 cycles @ 50% DOD
Certification	CE, UN38.3, GBT31484-2015, GBT31485-2015, GBT31486-2015
Outer Package Material	White bake lacquer steel case
Operating Temperature	Charging: 0 to +55°C    Discharging: -10 to +55°C    Storage: -10 to +55°C
Protection	Electronic Circuit Breaker, BMS Voltage Protection, Current Limiting



All products are manufactured to the following standards:



**APPROVED BATTERY**

\* Due to continuous product improvements, specifications are subject to change without further notice.



### ELE0019 HUBBLE LITHIUM - AM - 2 - 51V 5.5KW BATTERY

The ELE0019 relies on Lithium Iron Phosphate batteries for its streamlined energy storage. The flexible modular design enables it to be set up with an unlimited number of batteries on the wall. The ELE0019 features different storage capacities, according to user specific requirements. Capacity can be increased through parallel connections of the batteries.

#### FEATURES

- Advanced BMS with current limiting function
- CAN Bus, fully integrates and communicates with leading Inverter brands
- Excellent high temperature performance
- High Cycle Life and Service Life
- RIOT integration ready for cloud monitoring
- 1C High Performance Lithium battery
- High Energy Density and conversion efficiency
- Complete with integrated Battery Management System
- Compatible with most Inverters and chargers
- Low self discharge
- Easy wall mount or shelf rack installation
- Heavy duty side handles for easy handling and mounting on the wall
- Built in protection for over-charge, over-discharge & over-temperature



ITEM	SPECIFICATION
Model	Hubble AM-2
Rated Capacity (5HR)	110 Ah
Voltage	51.0 V
Discharge Cutoff Voltage	42.0 V
Equilized Charge Voltage	53.6 V
Max. Continuous Charging Current	100 A
Max. Continuous Discharging Current	100 A
C Rating	1.0 C
Weight	Approx. 42 Kg
Display	None
Parallel	Parallel connection up to 15 packs with full communications
Dimensions (WxDxH) mm	375mm x 147mm x 467mm
Ports	1x CAN-bus, 2x RS-485 Battery Link ports, 1x RS-232
Cells	New Li-ion Prismatic cells
Design Life	+/- 15 Years
Cycle Life @ 1C	+/- 3000 Cycles @ 100% DOD, Above 6000 cycles @ 50% DOD
Certification	CE, UN38.3, GBT31484-2015, GBT31485-2015, GBT31486-2015
Outer Package Material	White bake lacquer steel case
Operating Temperature	Charging: 0 to +55°C    Discharging: -10 to +55°C    Storage: -10 to +55°C
Protection	Electronic Circuit Breaker, BMS Voltage Protection, Current Limiting



All products are manufactured to the following standards:



**APPROVED BATTERY**

\* Due to continuous product improvements, specifications are subject to change without further notice.



### ELE0020 ULTRA-RELIABLE LITHIUM IRON PHOSPHATE TECHNOLOGY.

#### HIGH PERFORMANCE:

- o Power output = 5.2kW (con nuous)
- o Fully rechargeable in 2 hours

#### ROBUST & DURABLE:

- o Can be discharged to 100% DoD.
- o Performance cycle life > 8000 cycles.

#### SAFE & SECURE:

- o Over-charge, over-discharge & short-circuit protection.
- o Non-combustible & 100% Recyclable.



### 5 year product warranty.

GENERAL SPECIFICATIONS	
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Nominal Voltage	51.2V
Ah Rating	100Ah @C3, 25°C
Installed Capacity @Vnom	5 120Wh
Internal Resistance	≤ 50mΩ @1kHz AC
Serial Communication	CAN & RS485
VOLTAGE	
Operating Voltage Range	40.0V ~ 57.6V
Bulk Voltage (max.)	57.6V ± 0.3V
Float Voltage (recommended)	54.4V ~ 55.2 V
Low-Voltage (min.)	40.0V
CURRENT	
Charge Current (max.)	50A continuous   ≤ 30A recommended
Discharge Current (max.)	100A for 30 mins.   ≤ 70A recommended
Self-discharge Rate	Residual capacity: ≤ 3% /month   ≤ 15% /year Recover capacity: ≤ 1.5% /month   ≤ 8% /year
ENVIRONMENTAL REQUIREMENTS	
Operating Temperature Range	@Charge: 0°C ~ +50°C @Discharge: -10°C ~ +50°C
Recommended Operating Environment	Temp. range: +15 ~ +35°C   Humidity: 5 ~ 75%RH
Storage Environment (stored ≤ 1 month)	Temp. range: -20 ~ +60°C   Humidity: 5 ~ 75%RH
Storage Environment (stored ≥ 3 months)	Temp. range: +10 ~ +45°C   Humidity: 5 ~ 75%RH
PHYSICAL ATTRIBUTES	
Dimensions – Main enclosure	446mm x 435mm x 153mm (W x D x H) *
Dimensions – Front plate	481mm x 153mm (W x H)
Net Weight	46.0kg (unboxed, no accessories)



### ELE0021 ULTRA-RELIABLE LITHIUM IRON PHOSPHATE TECHNOLOGY.

#### HIGH PERFORMANCE:

- o Power output = 5.2kW (con nuous)
- o Fully rechargeable in 2 hours

#### ROBUST & DURABLE:

- o Can be discharged to 100% DoD.
- o Performance cycle life > 8000 cycles.

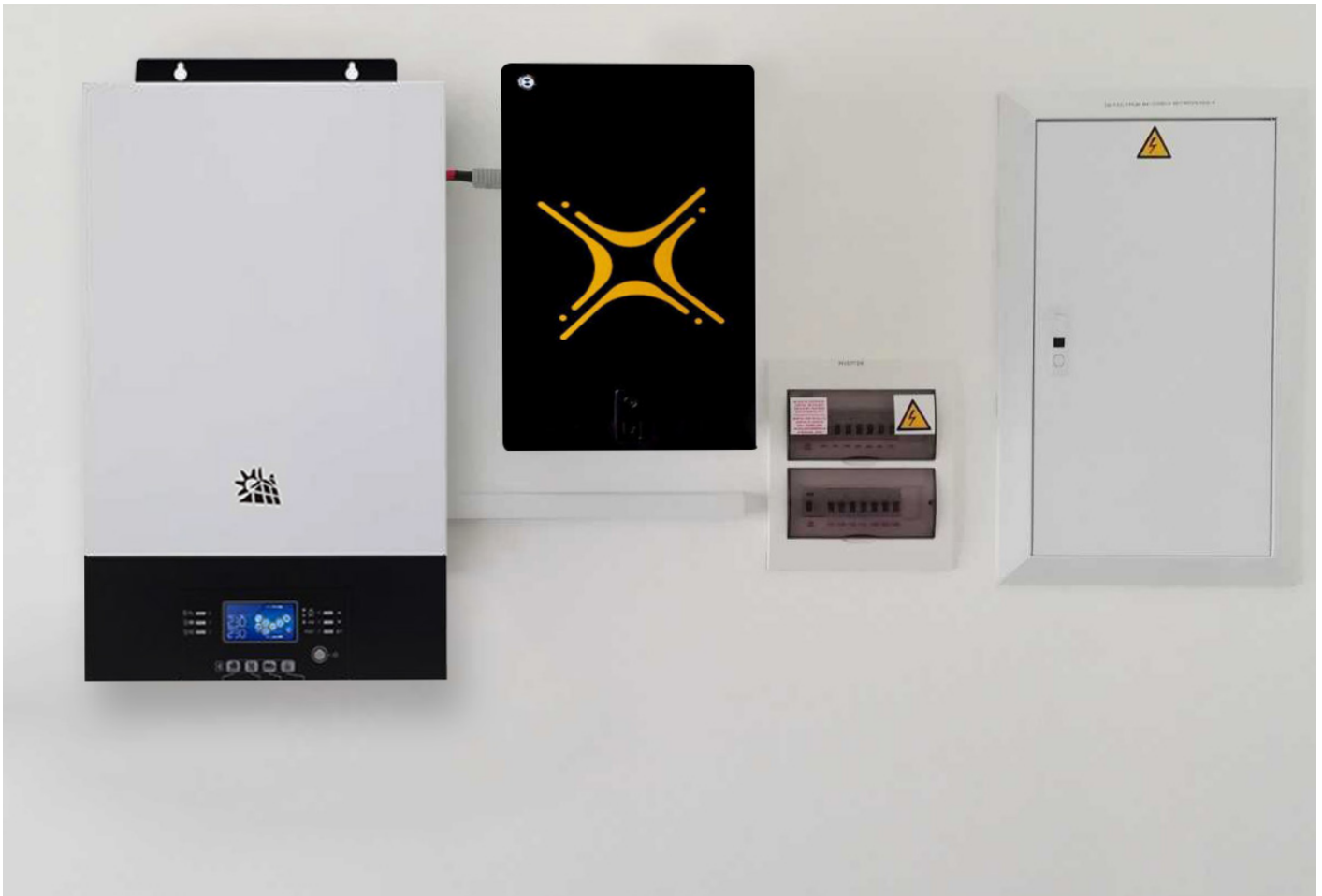
#### SAFE & SECURE:

- o Over-charge, over-discharge & short-circuit protection.
- o Non-combustible & 100% Recyclable.



### 10 year product warranty.

GENERAL SPECIFICATIONS	
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Nominal Voltage	51.2V
Ah Rating	100Ah @C3, 25°C
Installed Capacity @Vnom	5 120Wh
Internal Resistance	≤ 30mΩ @1kHz AC
Serial Communication	CAN & RS485
VOLTAGE	
Operating Voltage Range	46.0V ~ 55.0 V
Bulk Voltage (max.)	55.0 V ± 0.3 V
Float Voltage (recommended)	54.0 V ± 0.3 V
Low-Voltage (min.)	46.5 V
CURRENT	
Charge Current (max.)	60A continuous   ≤ 60A recommended
Discharge Current (max.)	100A continuous
Self-discharge Rate	Residual capacity: ≤ 3% /month   ≤ 15% /year Recover capacity: ≤ 1.5% /month   ≤ 8% /year
ENVIRONMENTAL REQUIREMENTS	
Operating Temperature Range	@Charge: 0°C ~ +45°C @Discharge: -20°C ~ +60°C
Recommended Operating Environment	Temp. range: +15 ~ +35°C   Humidity: 45 ~ 75%RH
Storage Environment (stored ≤ 1 month)	Temp. range: -20 ~ +35°C   Humidity: 45 ~ 75%RH
Storage Environment (stored ≥ 3 months)	Temp. range: +10 ~ +45°C   Humidity: 5 ~ 75%RH
PHYSICAL ATTRIBUTES	
Dimensions – Main enclosure	442mm x 520mm x 178mm (L x W x H)
Dimensions – Front plate	483mm x 178mm (L x H)
Net Weight	55.0kg (unboxed, no accessories)



### ELE0021 - SUN SYNK- THE INVERTER THAT NEVER SLEEPS

#### FEATURES

- Available in 5kW & 8kW units
- Integrated Bi- Directional Function
- Build in Multi-Stage Battery Charger
- Able to select AGM or LifePO4 Batteries
- Configurable battery charging current and voltages setting
- Two integrated MPPT Charge Controllers
- High PV input voltage
- Able to be paralleled in Single Phase or 3 Phase
- Programmable multiple operation modes
- Settings, operations and status can be viewed on the display or monitored via the Wifi dongle



### ENERGY MONITORING

- Remote monitoring of all or selected circuits.
- Display of real-time power consumption.
- Includes comprehensive software to view consumption for the week, month and day as well as max peak, total consumption and max demand.



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2. All the product images shown in this Catalogue (including but not limited to the product features and colours) are for illustration purposes only and may differ from the actual products.

**3. Despite every reasonable effort having been made to ensure the accuracy of the technical information contained in this Catalogue:**

**3.1. THE COMPANY MAKES NO WARRANTY OR REPRESENTATION WHATSOEVER AS TO THE SUITABILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE. THE ONUS IS ENTIRELY ON THE PURCHASER OF THE PRODUCT TO ENSURE THAT THE PRODUCT IS SUITABLE FOR ITS INTENDED PURPOSE;**

**3.2. DUE TO MATERIAL AND MANUFACTURING TOLERANCES, TEST RESULTS AND / OR LENGTH OF PRODUCT CAN VARY PER INDIVIDUAL PRODUCT. ACCORDINGLY, ALL TECHNICAL DATA SHOWN IN THIS CATALOGUE IS GIVEN FOR GUIDANCE PURPOSES ONLY. THE COMPANY DOES NOT WARRANT THAT THE PRODUCT WILL MATCH THE TEST RESULTS EXACTLY AND THE COMPANY ACCEPTS NO LIABILITY SHOULD THE PRODUCT NOT MATCH THE STATED FIGURES.**

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**7. The products depicted in this Catalogue are, to the best of our knowledge, free of defects at the time of shipment. THE COMPANY’S LIABILITY IN RESPECT OF ANY CLAIM BASED ON DEFECTIVE PRODUCTS SHALL BE LIMITED TO REPAIRING OR REPLACING SUCH DEFECTIVE PRODUCTS, AT THE DISCRETION OF THE COMPANY, DURING ANY APPLICABLE WARRANTY PERIOD, PROVIDED THAT SUCH DEFECTIVE PRODUCTS ARE RETURNED TO THE COMPANY, IN THEIR ORIGINAL STATE AND AT THE PURCHASER’S COST, WITHIN THE APPLICABLE WARRANTY PERIOD. IN CIRCUMSTANCES WHERE THE PRODUCTS ARE NOT MANUFACTURED BY THE COMPANY, THE COMPANY’S LIABILITY UNDER THIS CLAUSE SHALL IN NO CIRCUMSTANCES EXTEND BEYOND ANY CORRESPONDING LIABILITY OF THE MANUFACTURER OR SUPPLIER OF SUCH PRODUCTS TO THE COMPANY. LIABILITY IS EXPRESSLY DISCLAIMED FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE.**

8. Qualified technicians and /or electricians must install all products which require installation by such qualified persons, failing which the Company cannot be held liable for any liability of any nature whatsoever arising from the purchase of the products.



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10. The Company cannot be held liable for any misapplication of the products, including but not limited to:

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- 10.2. Overloading;
- 10.3. Use other than that prescribed for the products;
- 10.4. Use on aluminium or similar softer "fix to" materials.

11. The Company makes no representation as to the availability of any product depicted in this Catalogue.

12. The Company accepts no responsibility and cannot be held liable for any misprints, inaccuracies and / or any errors or omissions in this Catalogue.

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# NOTES

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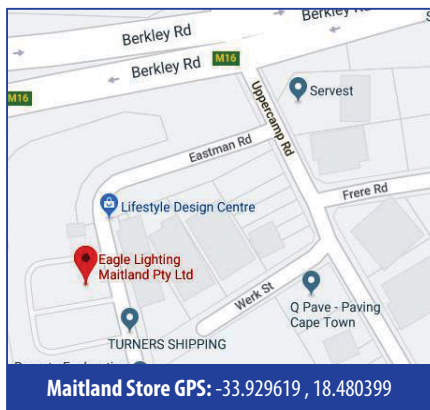
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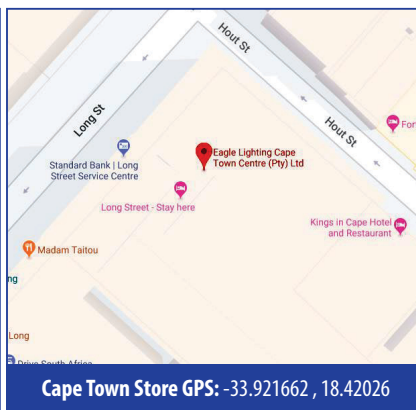
# EAGLE LIGHTING

## LEADERS IN LED SOLUTIONS

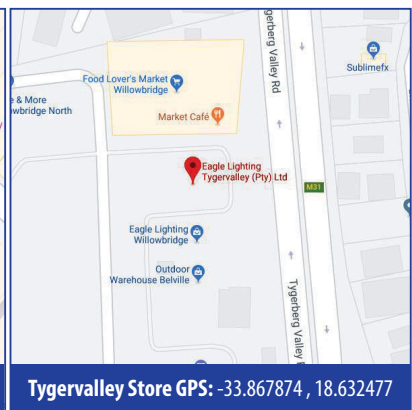
<b>Maitland:</b>	M5 Park, off Berkley Road , Maitland	GPS: -33.929619 , 18.480399
<b>Cape Town:</b>	63 Long Street, City Centre, Cape Town	GPS: -33.921662 , 18.42026
<b>Tygervalley:</b>	Willowbridge North, Tyger Valley Road	GPS: -33.867874 , 18.632477
<b>Somerset West:</b>	Somerset Decor Centre, Jigger Road. Somerset Mall	GPS: -34.086076 , 18.823957
<b>Lakeside:</b>	Cnr of Main and Putter Road.	GPS: -34.084198 , 18.455945
<b>Hermanus:</b>	13 Arum Rd, Hermanus Industrial.	GPS: -34.420416 , 19.222802
<b>George:</b>	Cnr of Knysna and Mission Road, George East	GPS: -33.963033 , 22.476225
<b>Knysna:</b>	45 Waterfront Drive, Knysna	GPS: -34.040307 , 23.051905
<b>Port Elizabeth:</b>	Shop 3/7, William Moffett Expressway, Fairview, Gqeberha	GPS: -33.958793 , 22.553112



**Maitland Store GPS: -33.929619 , 18.480399**



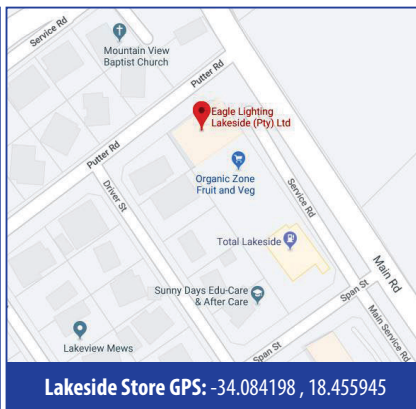
**Cape Town Store GPS: -33.921662 , 18.42026**



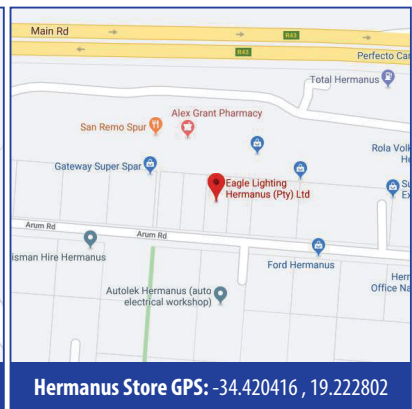
**Tygervalley Store GPS: -33.867874 , 18.632477**



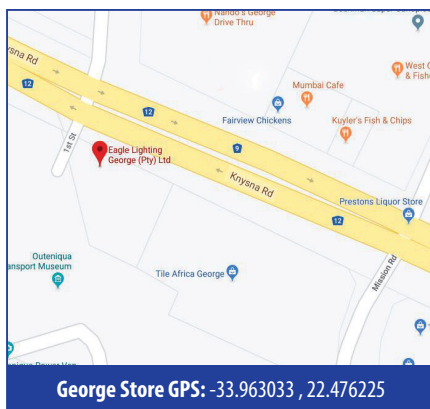
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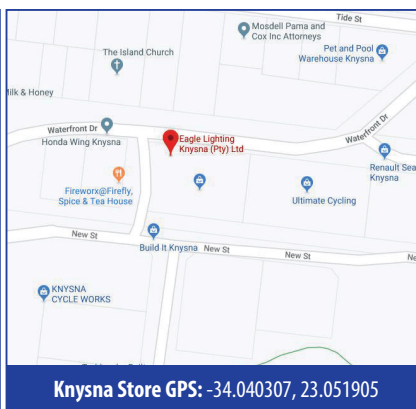
**Lakeside Store GPS: -34.084198 , 18.455945**



**Hermanus Store GPS: -34.420416 , 19.222802**



**George Store GPS: -33.963033 , 22.476225**



**Knysna Store GPS: -34.040307 , 23.051905**



**Port Elizabeth Store GPS: -33.958793 , 22.553112**

# EAGLE LIGHTING

## COMMERCIAL CATALOGUE

[www.eaglelighting.co.za](http://www.eaglelighting.co.za)



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