



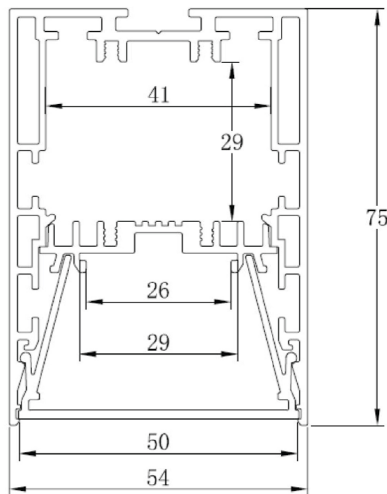
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MAN516/2M

- 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

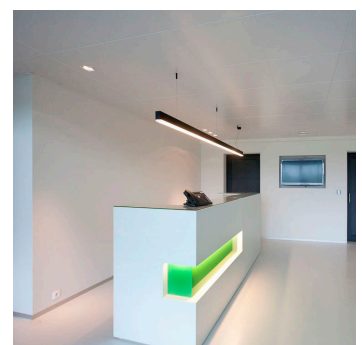
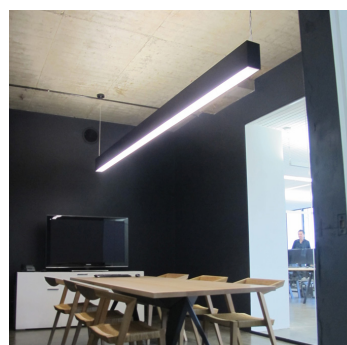
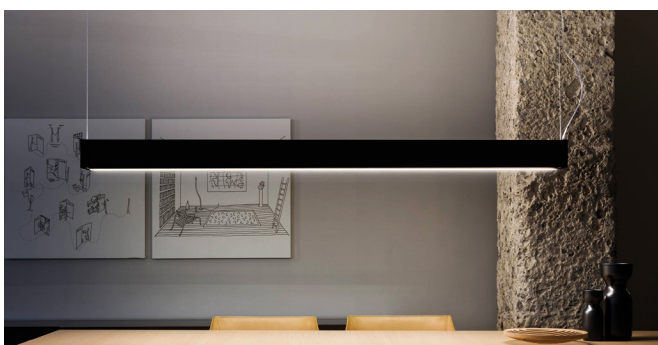
2m extrusion requires 1 x driver per suspended section
4m extrusion will require 2 x drivers per suspended section



Grating



Grating Light Module





MAN500

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated Black or White Colour Option.

Inner Width: 31,6mm

Length: 2000mm

Installation: Office, Boardroom, Supermarket, home etc.

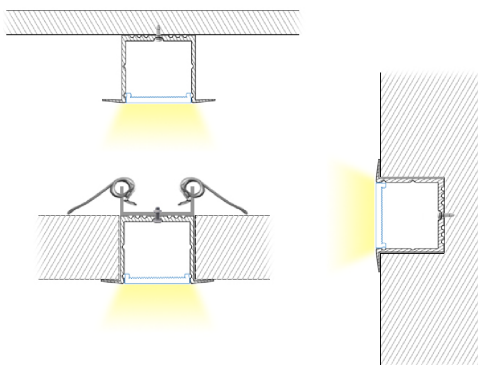
Width: 35,2mm (56,2mm with Lip)

Height: 34,9mm

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



Installations:



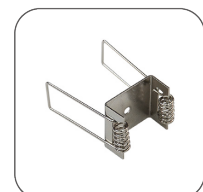
Accessories:



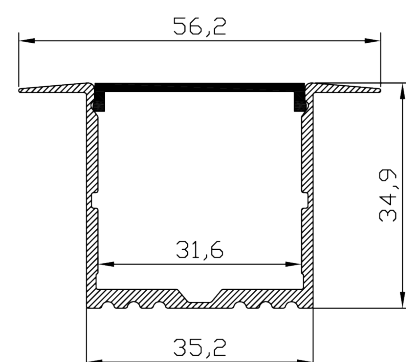
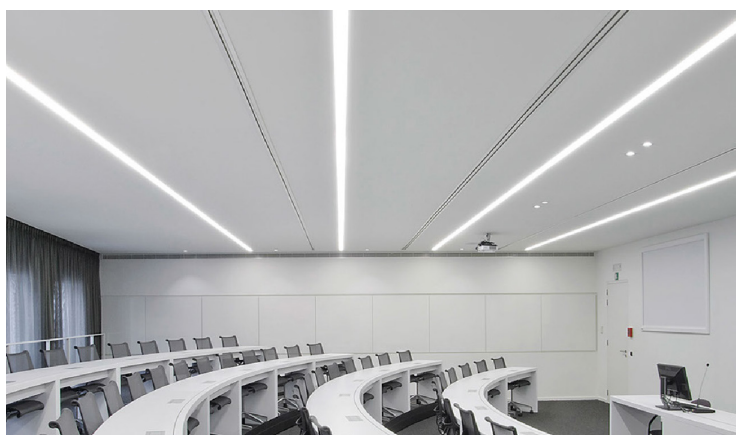
Cover

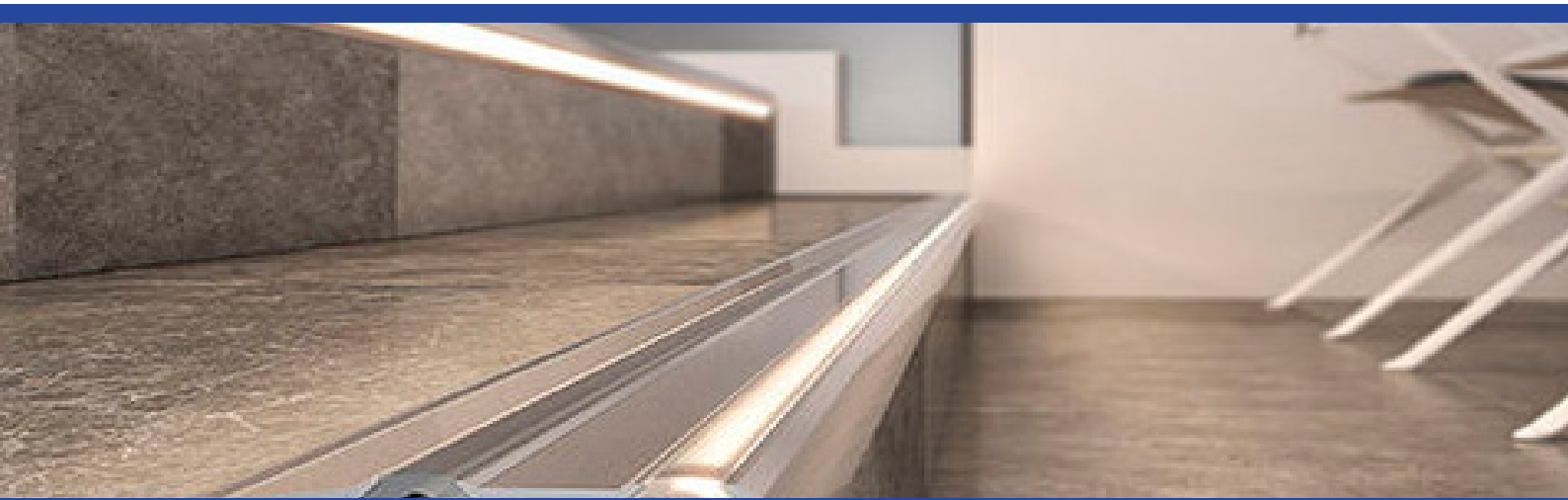


Aluminum Profile



Mounting Clip (metal)





MAN504

Aluminium Staircase Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 12mm

Length: 4000mm

Installation: Office, Boardroom, Supermarket, home etc.

Width: 27,9mm (48,2mm with Lip)

Height: 24,7mm

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



Installations:



Accessories:



Aluminum Profile



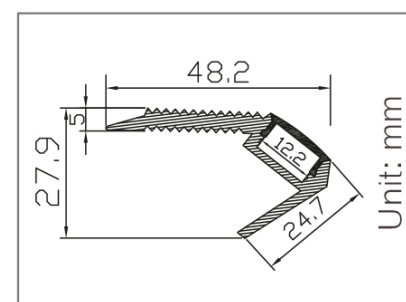
Alu Profile (Back)



End Cap



Cover





MAN505

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 11.7mm

Length: 2000mm

Installation: Office, Boardroom, Supermarket, home etc.

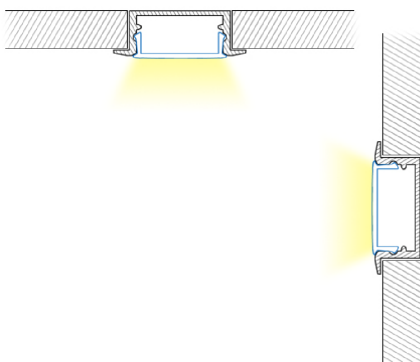
Width: 17,1mm (23,1mm with Lip)

Height: 8,8mm

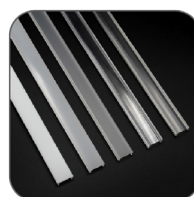
Please note: Dimensions are approximate and may vary slightly at time of manufacturing.



Installations:



Accessories:



Cover



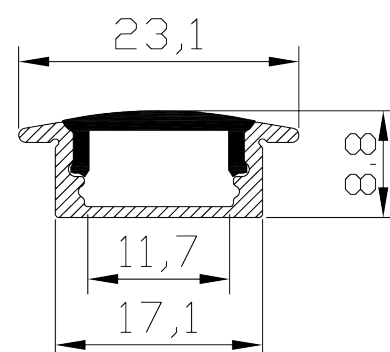
End Cap



Aluminum 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.

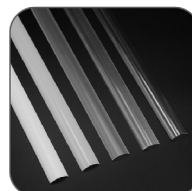
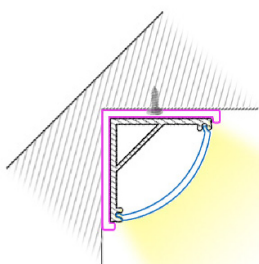
Width: 16mm

Height: 16mm

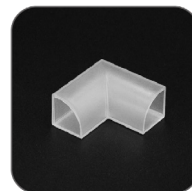
Please note: Dimensions are approximate and may vary slightly at time of manufacturing.



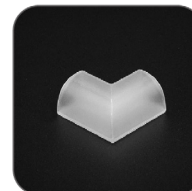
Installations:



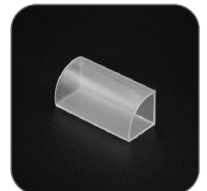
Cover



Connector 3



Connector 2



Connector 1



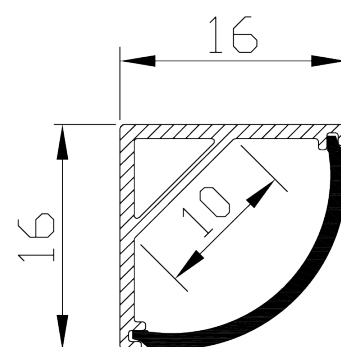
End Cap



Aluminum Profile



Mounting Clip (metal)





MAN507

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 11,7mm

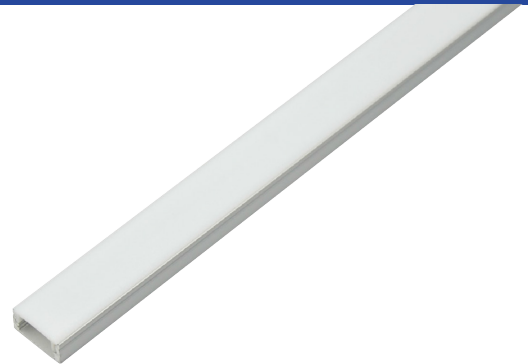
Length: 2000mm

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

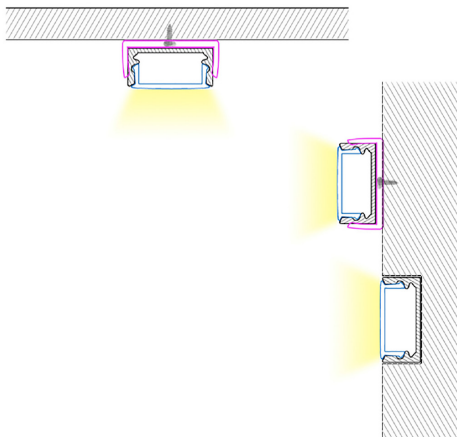
Width: 17mm

Height: 9mm

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



Installations:



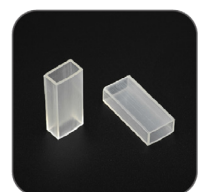
Accessories:



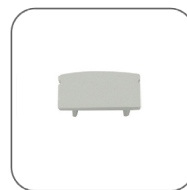
Cover



Connector "L"



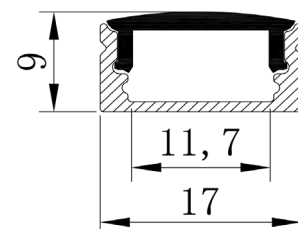
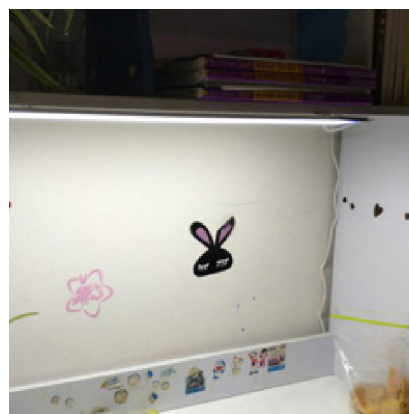
Connector "I"



End Cap



Mounting Clip (metal)





MAN509

Aluminium Profile

Material: AL6063 + PC/PMMA

Surface: Anodized/Powder Coated Black or White Colour Options.

Width: 55mm x Height: 75mm

Length: 4000mm /2000mm /1000mm

Installation: Home, Offices, Restaurants, Retail Stores etc.



Optional Extras:

- Tridonic Driver
- Tridonic PC board
- Various Kelvin & Lumen output per metre

Can be cut to smaller lengths of 1M, 2M & 3M.



Accessories:



End Cap
MAN509



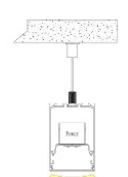
Connector
MAN509 ST



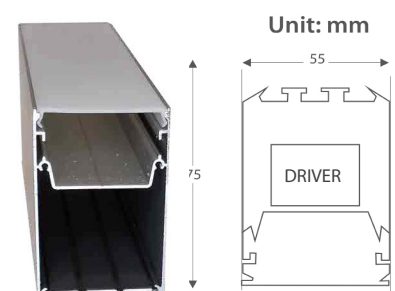
Suspended Cable
MAN509/ SUSP 2M
Suspension



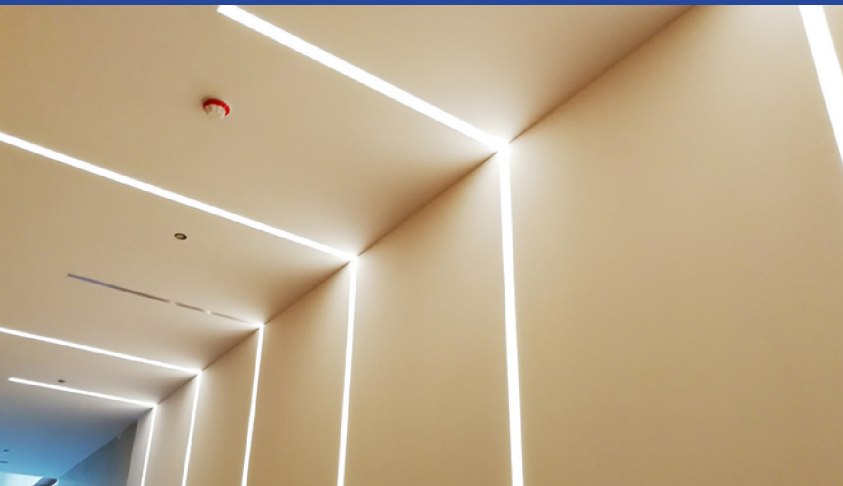
Cover
MAN509 Opal
PC Cover



Installation



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



MAN520

Aluminium Profile

Material: AL6063+PC

Surface: Anodized/Powder Coated Black or White Colour Options.

Lighting Source Width: 40mm

Length: 2000mm

Installation: Office, Boardroom, Supermarket, home etc.

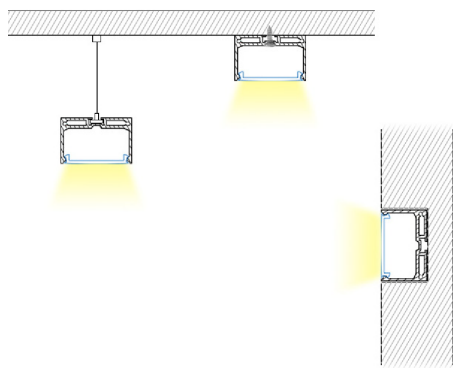
Width: 50mm

Height: 32,2mm

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



Installations:



Accessories:



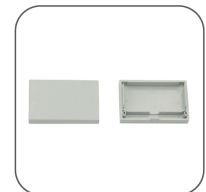
Cover



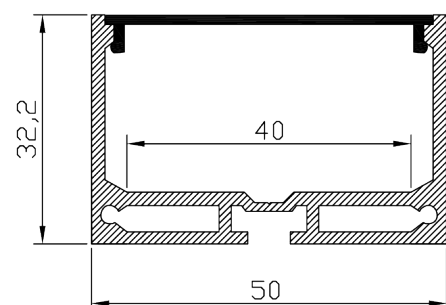
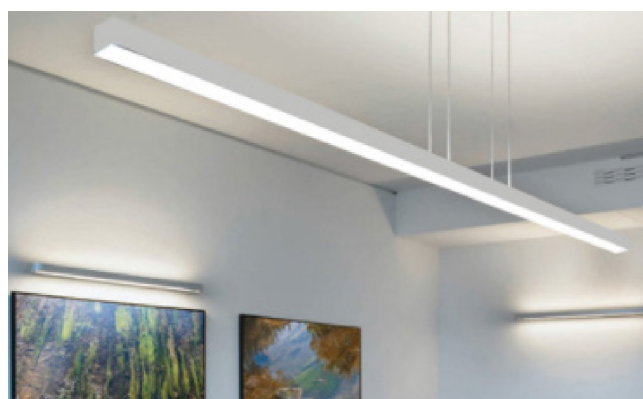
Connector



Suspended Wire



End Cap





MAN524

Aluminium Profile

Material: AL6063+PC

Surface: Anodized/Powder Coated Black or White Colour Options.

Inner Width: 17mm

Length: 2500mm

Installation: Office, Boardroom, Supermarket, home etc.

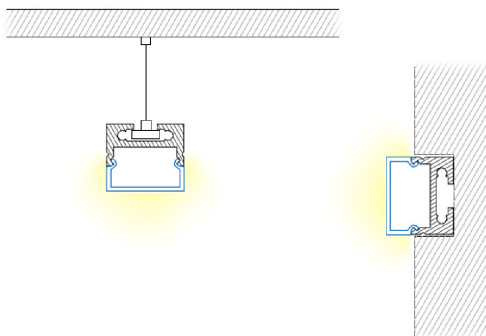
Width: 20,3mm

Height: 11mm (19.4mm with diffuser)

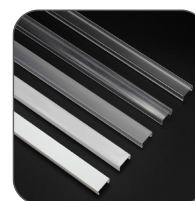
Please note: Dimensions are approximate and may vary slightly at time of manufacturing.



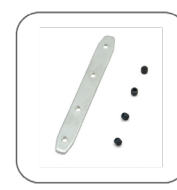
Installations:



Accessories:



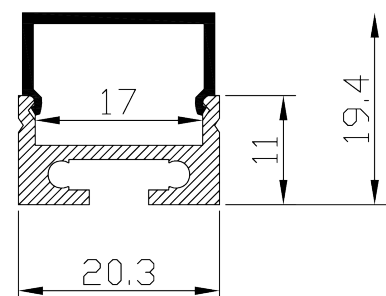
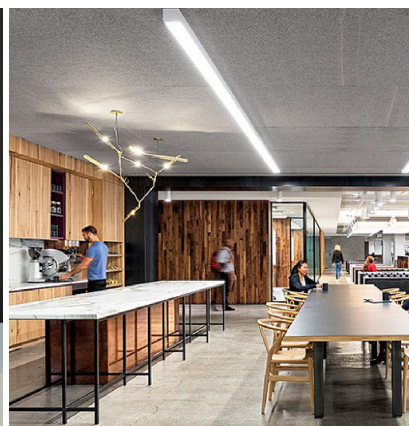
Cover

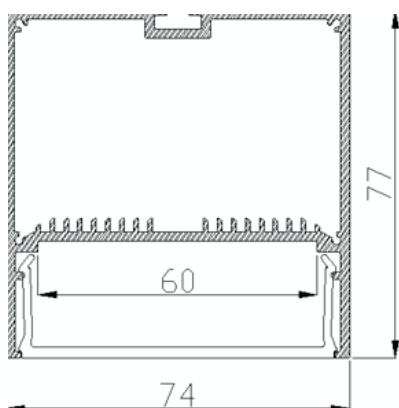


Connector



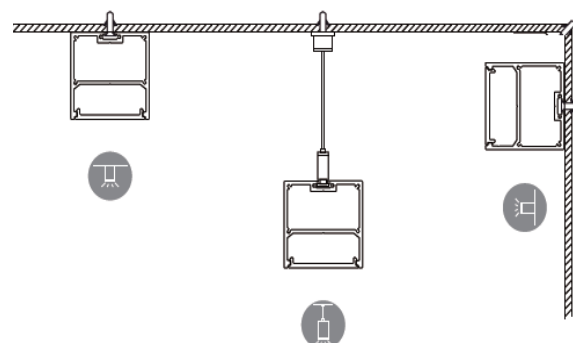
End Cap





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



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

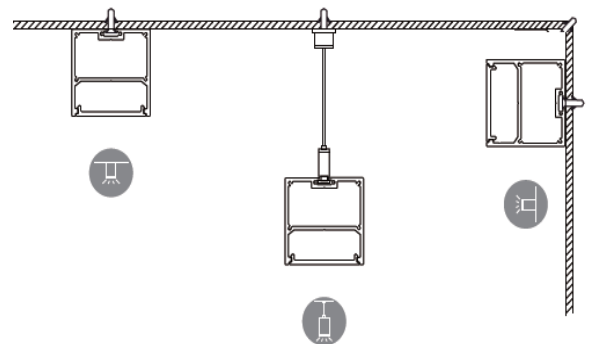
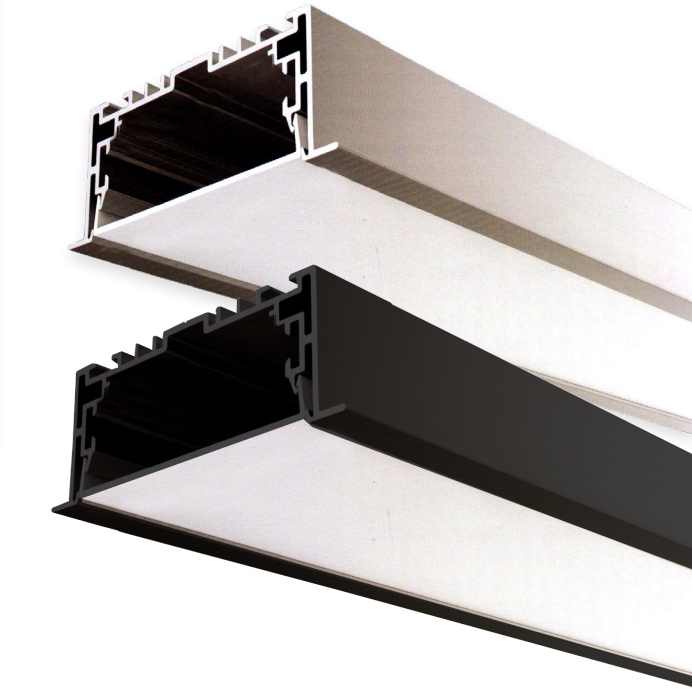
- 65W Dali dimmable driver





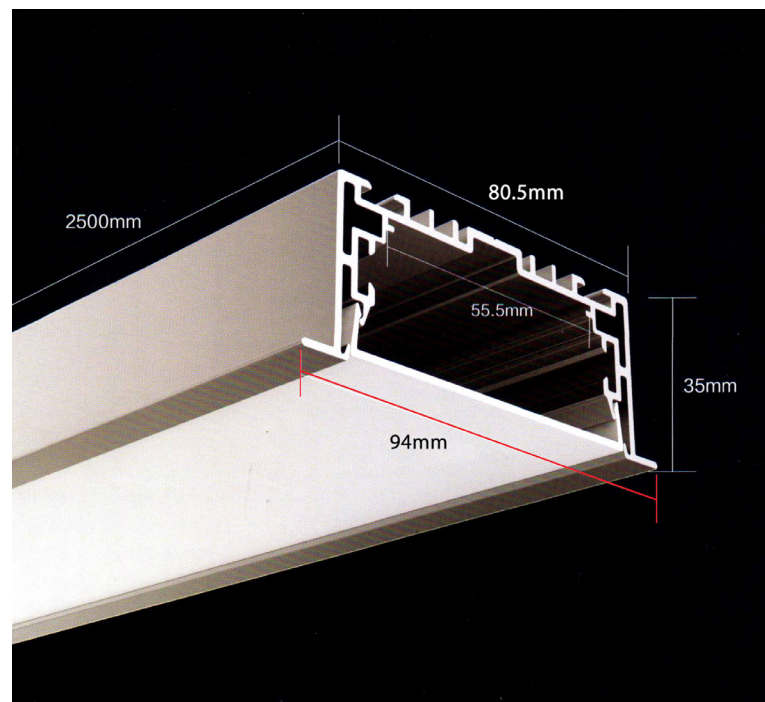
MAN527/ALU Aluminium LED Profile

- Aluminium Profile 2500mm
- Width: 80.5mm (94mm Lip)
- Height: 35mm
- Extension bar available for longer lengths.
- Power Supply: Integral
- Colour Options: Anodised Aluminium, Black, White.



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.

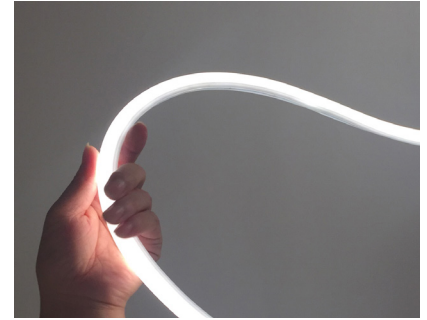


WATER-RESISTANT LED FLEX STRIP

MAN210

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.

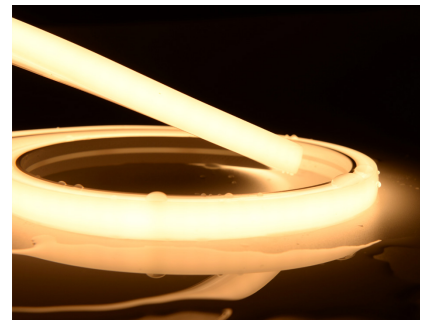


Input Voltage	CRI	CCT	Size	IP Rating	Power	Lumen Output
24V DC	>80	3700K	Length: 5M Roll (Cut to size) Width: 15mm	IP67 Water Resistant	11W/M	830LM/M

MAN211

FEATURES:

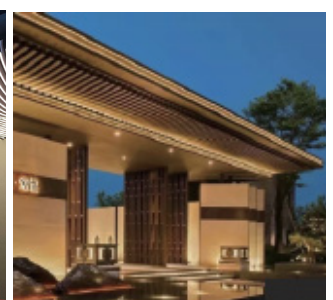
- Domed surface with large light angle (160°) for soft & dot-free Lighting.
- Excellent heat dissipation.
- Outstanding weather resistance.
- Up to IP67, with the resistance to saline solutions, acid & alkali, corrosive gases and UV.
- Flame Resistant.



Input Voltage	CRI	CCT	Size	IP Rating	Power	Lumen Output
24V DC	>80	3000K	Length: 5M Roll (Cut to size) Width: 15mm	IP67 Water Resistant	11W/M	830LM/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

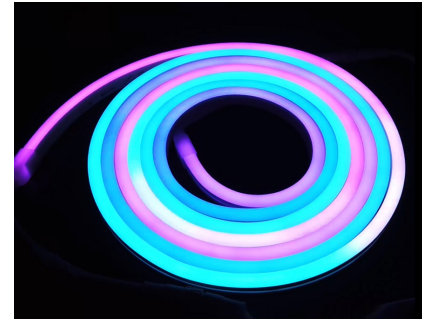


WATER-RESISTANT RGB FLEX STRIP

MAN213

FEATURES:

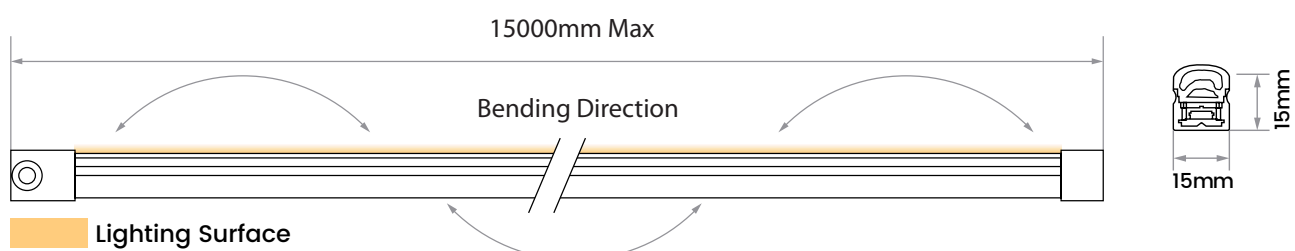
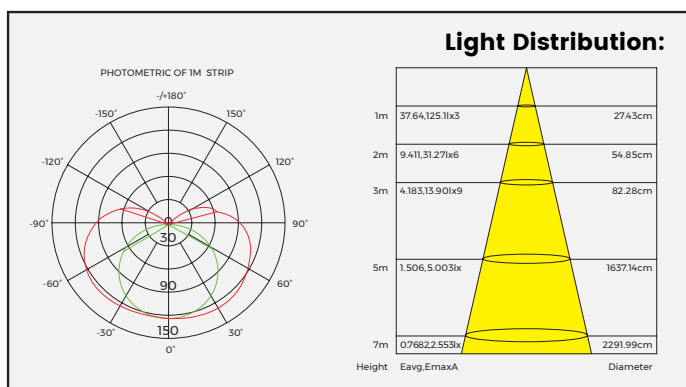
- Domed surface with large light angle (160°) for soft & dot-free illumination.
- Excellent heat dissipation.
- Outstanding weather resistance.
- Up to IP67, with the resistance to saline solutions, acid & alkali, corrosive gases and UV.
- Flame Resistant.



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 Colour: 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:

Colour 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: 2,5mm²

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

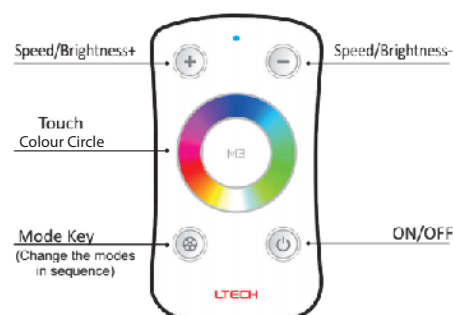
Approvals:

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



WATER-RESISTANT LED FLEX STRIP

MAN220

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:15 x H:17mm	IP67 Water Resistant	9.6W/M	520LM/M

MAN221

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:15 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

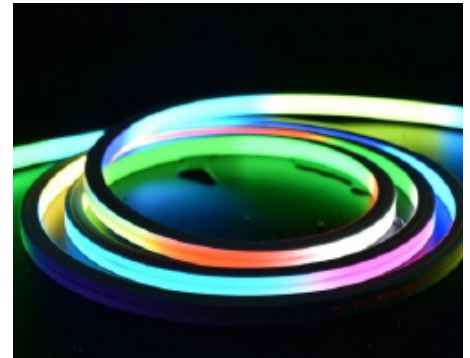


WATER-RESISTANT RGB FLEX STRIP

MAN226

FEATURES:

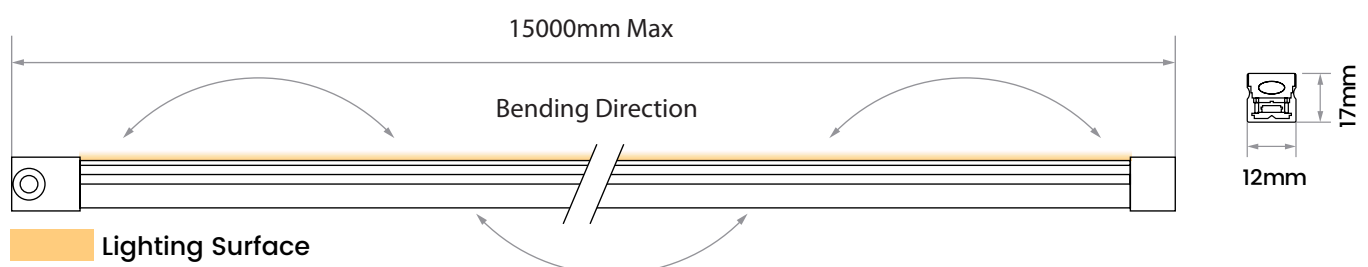
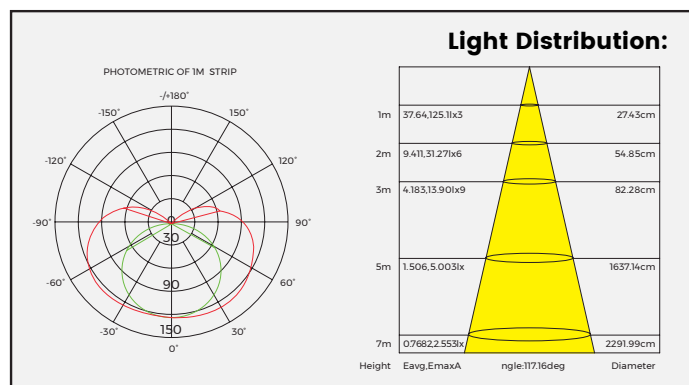
- Front/Side emitting for homogenous, soft & dot-free lighting.
- Excellent heat dissipation.
- Outstanding weather resistance.
- Up to IP67, with the resistance to saline solutions, acid & alkali, corrosive gases and UV.
- Flame Resistant.



Input Voltage	CRI	CCT	Size	IP Rating	Power	Lumen Output
24V DC	>80	RGB	Length: 5M Roll (Cut to size) W:15 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



MAN228 - 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: IP65

Water Resistant

LED: 2835

PHOTOELECTRIC PARAMETERS:

CCT: 3000K

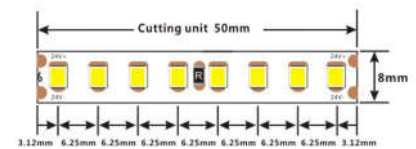
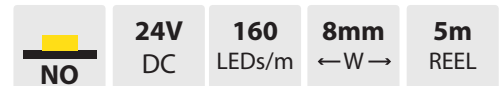
Lumens: 900Lm

Lm/W: 90

CRI: >95

Typical Power: 10.8W(1meter) / 54W(5meter)

Power Range: 9.6~12W Per Meter



RECOMMENDED PROFILES:



MAN524

MAN500

WD500

MAN520

MAN229 - 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 D: 18mm

Cutting unit: 50mm /8LED's

Input Voltage: 24VDC

IP Rating: IP65

Water Resistant

LED: 2835

PHOTOELECTRIC PARAMETERS:

CCT: 4000K

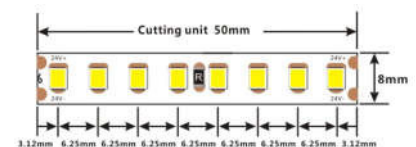
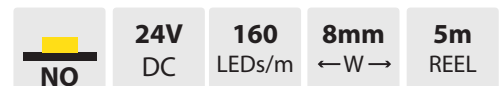
Lumens: 950Lm

Lm/W: 95

CRI: >95

Typical Power: 10.8W(1meter) / 54W(5meter)

Power Range: 9.6~12W Per Meter



RECOMMENDED PROFILES:



MAN524

MAN500

WD500

MAN520

MAN573 - 24V - 8MM - 3000K

LED full spectrum strip

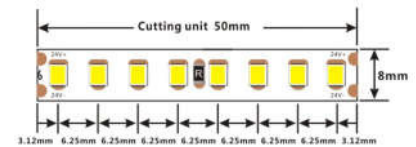
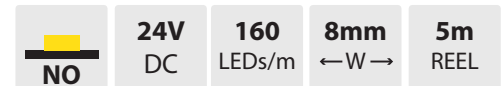
- Super-dense LED distribution of 160 LED/m
- Self-encapsulated design 3000K
- LM80 certified
- Lifespan: 36000H

BASIC PARAMETERS:

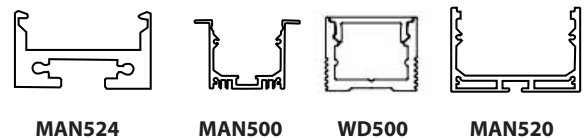
Size: L: 5000mm x W:8 mm
Cutting unit: 50mm/8LED's
Input Voltage: 24VDC
IP Rating: IP33
Non-Water Resistant
LED: 2835

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
Standard Cascading Length: 5M



RECOMMENDED PROFILES:



MAN574 - 24V - 8MM - 4000K

LED full spectrum strip

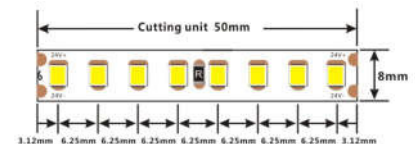
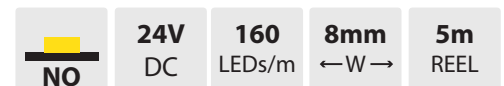
- Super-dense LED distribution of 160 LED/m
- Self-encapsulated design 4000K
- LM80 certified
- Lifespan: 36000H

BASIC PARAMETERS:

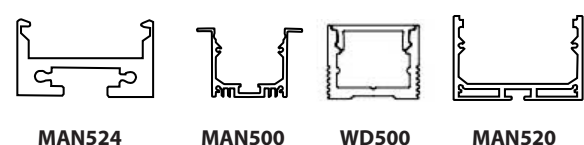
Size: L: 5000mm x W:8 mm
Cutting unit: 50mm/8LED's
Input Voltage: 24VDC
IP Rating: IP33
Non-Water Resistant
LED: 2835

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
Standard Cascading Length: 5M



RECOMMENDED PROFILES:



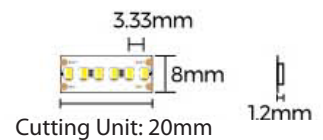
MAN575 - 24V - 8MM - 3000K

LED Tapelight

- Super-dense LED distribution of 300 LEDs/m & ultra-slim thickness of 1.2mm, matching profiles better.
- Self-encapsulated design 3000K
- Lifespan: 36000H

BASIC PARAMETERS:

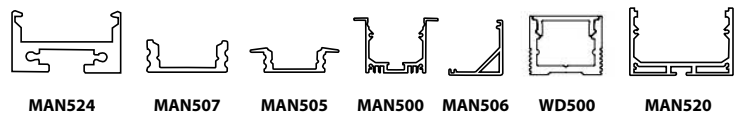
Size: 5000mm x 8mm x 1.2mm
 Cutting Unit: 6LEDs/20mm
 Input Voltage: 24VDC
 Input Current: 0.33A/1m & 1.65A/5m
 Typ power: 8W/m
 Max power: 8.6W/m
 Bend Diameter: >60mm
 IP Rating: IP33
 Non-Water Resistant



PHOTOELECTRIC PARAMETERS:

CCT: 3000K
 Lumens: 690LM/m
 Lumens Per Watt: 86 LM/W
 A+ Energy Efficiency Class
 CRI >90
 Standard Cascading Length: 5M

RECOMMENDED PROFILES:



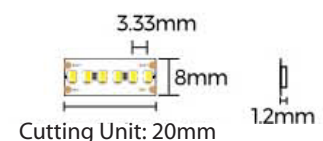
MAN576 - 24V - 8MM - 4000K

LED Tapelight

- Super-dense LED distribution of 300 LEDs/m & ultra-slim thickness of 1.2mm, matching profiles better.
- Self-encapsulated design 4000K
- Lifespan: 36000H

BASIC PARAMETERS:

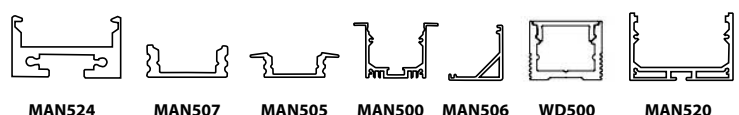
Size: 5000mm x 8mm x 1.2mm
 Cutting Unit: 6LEDs/20mm
 Input Voltage: 24VDC
 Input Current: 0.33A/1m & 1.65A/5m
 Typ power: 8W/m
 Max power: 8.6W/m
 Bend Diameter: >60mm
 IP Rating: IP33
 Non-Water Resistant



PHOTOELECTRIC PARAMETERS:

CCT: 4000K
 Lumens: 710 LM/M
 Lumens Per Watt: 89 LM/W
 A+ Energy Efficiency Class
 CRI >90
 Standard Cascading Length: 5M

RECOMMENDED PROFILES:



MAN577 - 24V - 8MM - 3000K

LED Tapelight

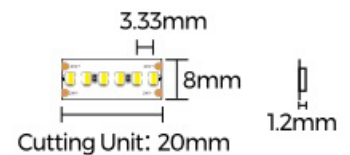
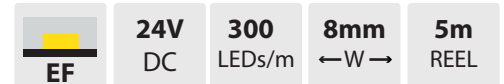
- Super-dense LED distribution of 300 LEDs/m & ultra-slim thickness of 1.2mm, matching profiles better.
- Self-encapsulated design LED tapelight
- Lifespan: 36000H

BASIC PARAMETERS:

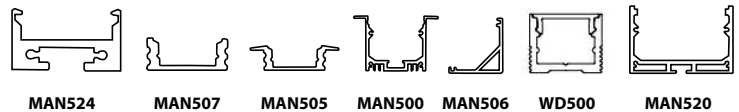
Size: 5000mm x 8mm x 1.2mm
 Cutting Unit: 6 LEDs/20mm
 Input Voltage: 24VDC
 Input Current: 0.54A/1m & 2.7A/5m
 Type power: 13W/M
 Max power: 14W/M
 Bend Diameter: >60mm
 IP Rating: IP33
 Non-Water Resistant

PHOTOELECTRIC PARAMETERS:

CCT: 3000K
 Lumens: 1100 LM/m
 Lumens Per Watt: 85 LM/w
 A Energy Efficiency Class
 CRI >90
 Standard Cascading Length: 5M



RECOMMENDED PROFILES:



MAN578 - 24V - 8MM - 4000K

LED Tapelight

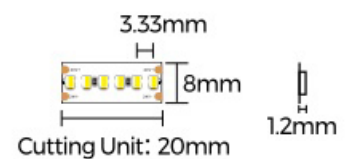
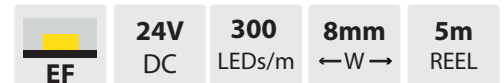
- Super-dense LED distribution of 300 LEDs/m & ultra-slim thickness of 1.2mm, matching profiles better.
- Self-encapsulated design LED tapelight
- Lifespan: 36000H

BASIC PARAMETERS:

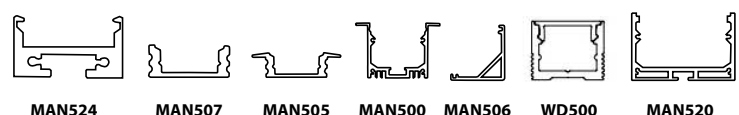
Size: 5000mm x 8mm x 1.2mm
 Cutting Unit: 6 LEDs/20mm
 Input Voltage: 24VDC
 Input Current: 0.54A/1m & 2.7A/5m
 Type power: 13W/M
 Max power: 15W/M
 Bend Diameter: >60mm
 IP Rating: IP33
 Non-Water Resistant

PHOTOELECTRIC PARAMETERS:

CCT: 4000K
 Lumens: 1130 LM/M
 Lumens Per Watt: 87 LM/W
 A+ Energy Efficiency Class
 CRI >90
 Standard Cascading Length: 5M



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 $4.0 \pm 0.2\text{mm}$
- UL,CE,RoHS compliant, Suitable for indoor use as decorative lighting, such as corner decoration
- 3 years or 25,000 hours, Max.



BASIC PARAMETERS:

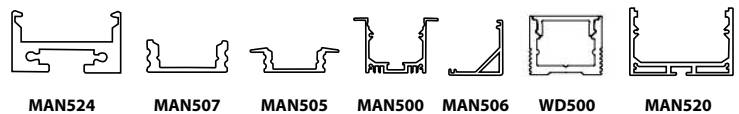
Size: 5000mm x 10mm
Cutting Unit: 6 LEDs/20mm
Input Voltage: 24VDC
Bend Diameter: >50mm
Max Power: 20w/m



PHOTOELECTRIC PARAMETERS:

CCT: 3000K
Lumens: 1440 LM/m
Lumens Per Watt: 72 LM/w
A Energy Efficiency Class
CRI >90
Standard Cascading Length: 5M

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 $4.0 \pm 0.2\text{mm}$
- UL,CE,RoHS compliant, Suitable for indoor use as decorative lighting, such as corner decoration
- 3 years or 25,000 hours, Max.



BASIC PARAMETERS:

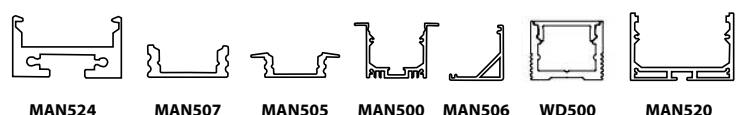
Size: 5000mm x 10mm
Cutting Unit: 6LEDs/20mm
Input Voltage: 24VDC
Bend Diameter: >50mm
Max Power: 20w/m

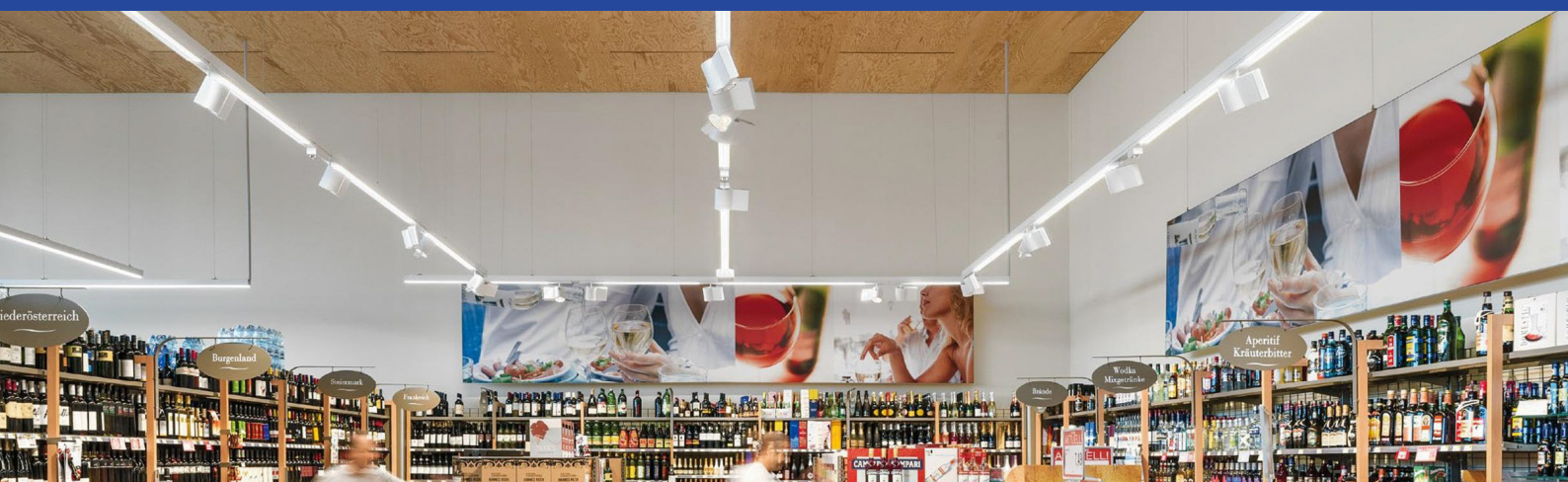


PHOTOELECTRIC PARAMETERS:

CCT: 4000K
Lumens: 1440 LM/m
Lumens Per Watt: 72 LM/w
A Energy Efficiency Class
CRI >90
Standard Cascading Length: 5M

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.



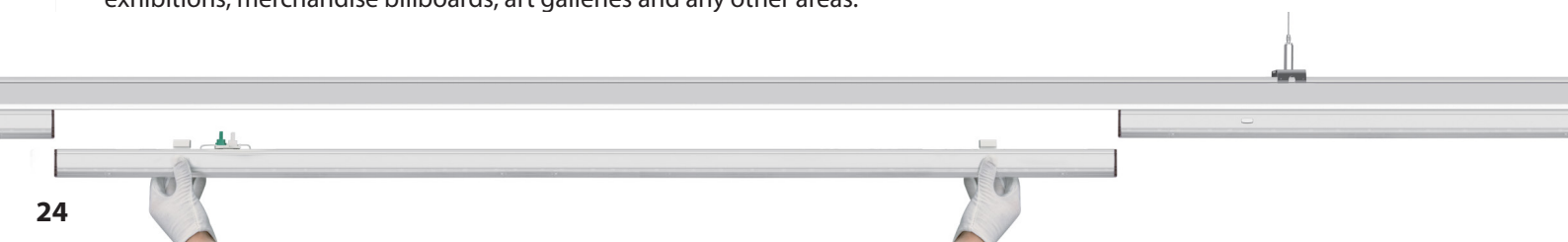
Trunking Rail

- 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 2.5mm² cable for power supply & 1.5mm² 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.



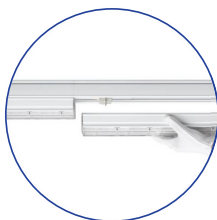
Available in the Following Options

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

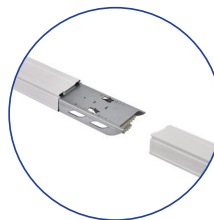
Components



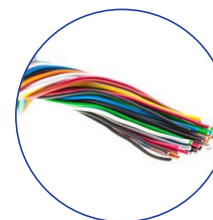
Fixture



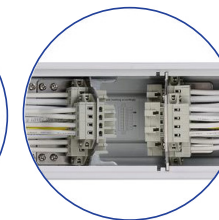
Trunk Rail



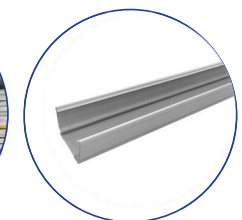
Linkable



Built-in Cables



Electrical Connector



Steel Housing

Accessories



Suspension: Chain, Rod, Cord



Surface Mounted: Surface or T-bar



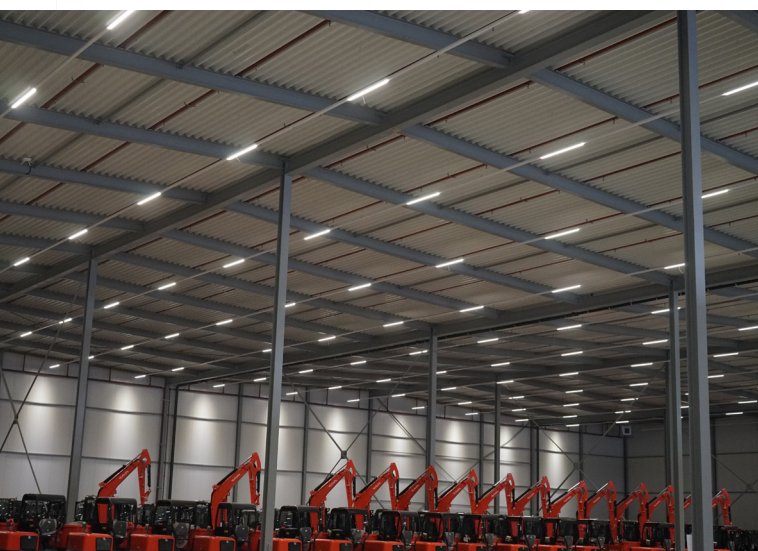
Feed-in box or feed-in connector




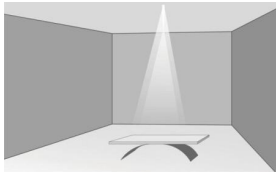
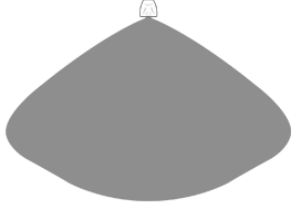







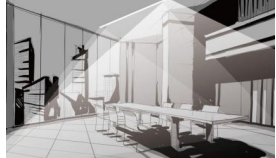

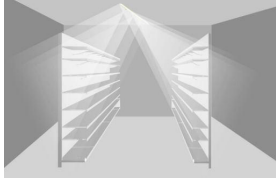
End cap /Blank cover

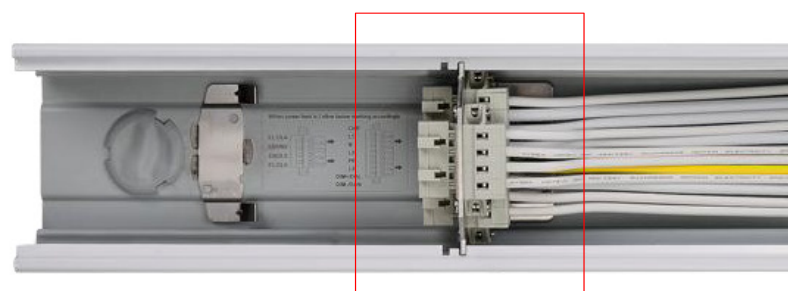


Node Connector: L/T/X

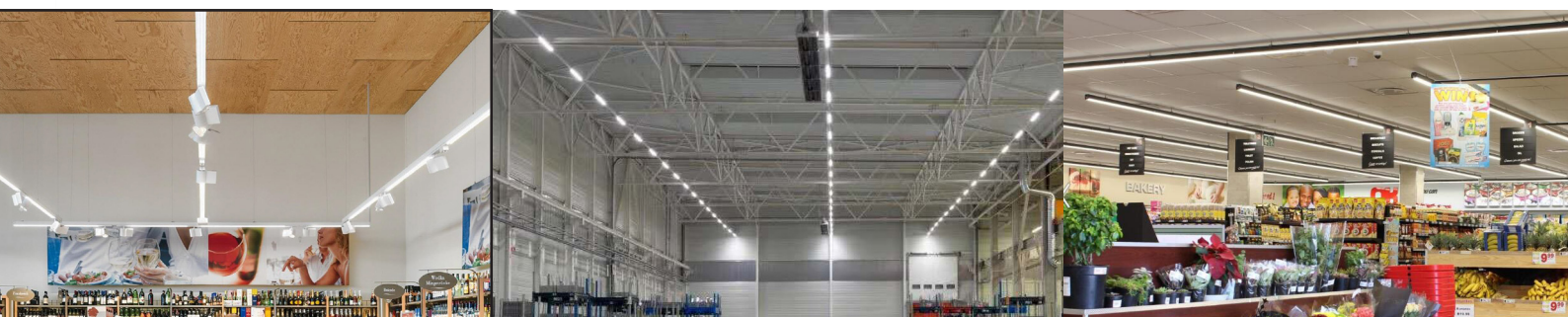


Beam Angles

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



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.

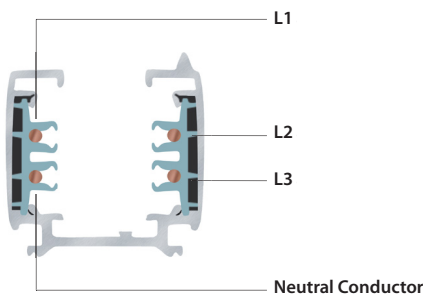
Benefits

- 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.

Track Rail - 4 Wire SCS401/BLK & SCS405/WHT



Application Areas

- Commercial
- Shops
- Showrooms
- Other indoor lighting

LED



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

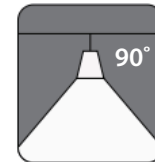
SCS311- 4000K - BLK -20W SCS312 - 3000K - BLK -20W

- 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

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

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



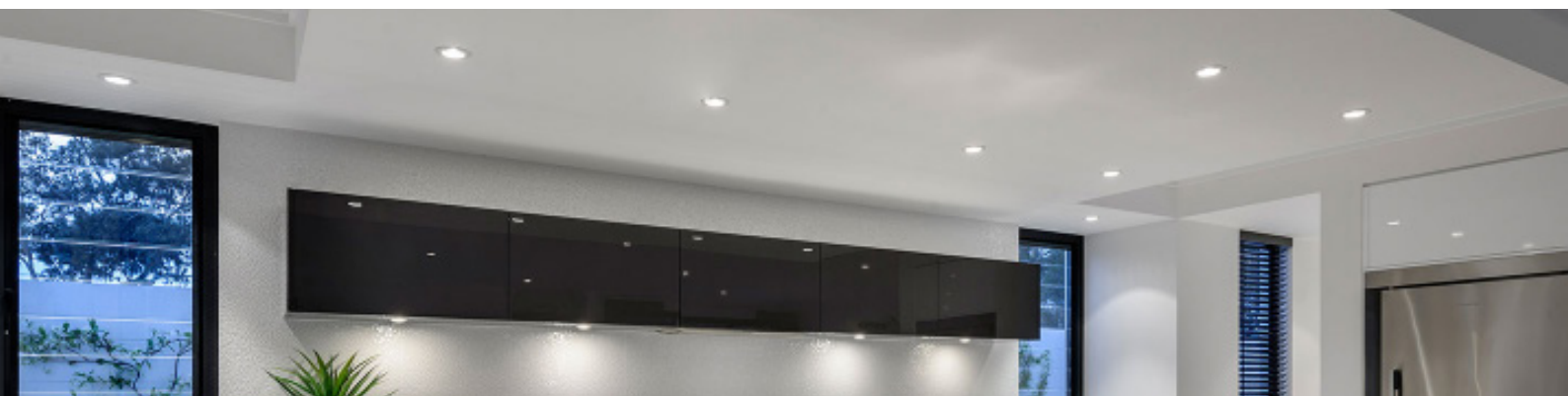
DL116

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

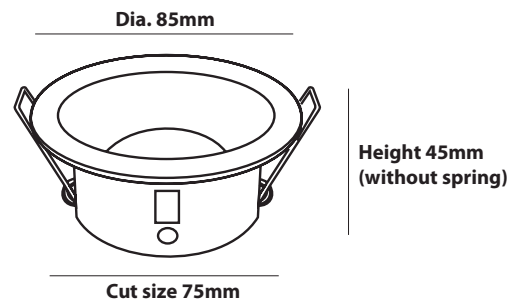
Cut-out: 75mm

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

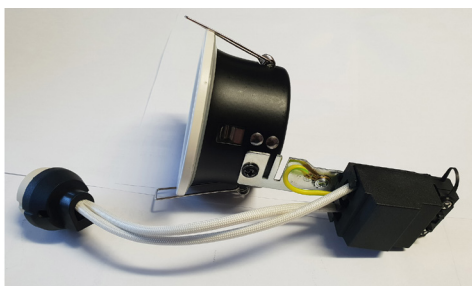
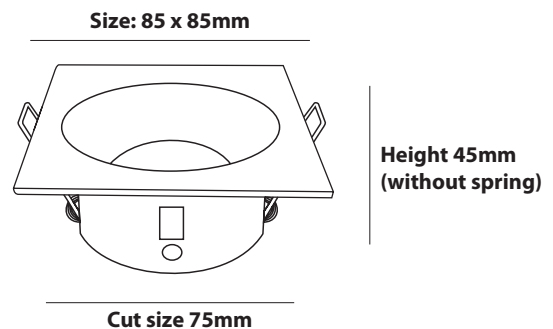
Cut-out: 75mm

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: 68mm



DL104

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



DL114

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



DL118

Square downlight
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



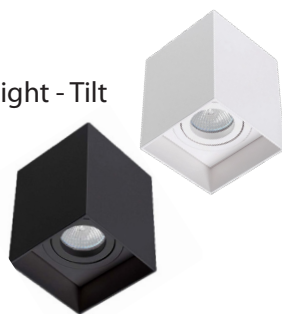
DL128

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 Downlight
White Anti-glare
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



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



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 (colour rendering and colour uniformity). It offers a wide range of options to create the desired ambience.

TECHNICAL DATA:

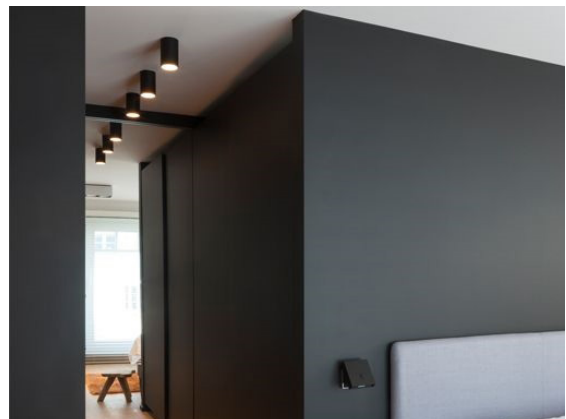
Wattage: 15W
CCT: 4000K
Luminous Flux: 1750lm
Dimmable: No
IP Rating: IP54
Average Lifespan: 50 000 Hours / 5 Years

Voltage: AC200-240V
Flicker free
LED: Citizen COB
CRI: 80
UGR: <19
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: AC3750V
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 (colour rendering and colour uniformity). It offers a wide range of options to create the desired ambience.

TECHNICAL DATA:

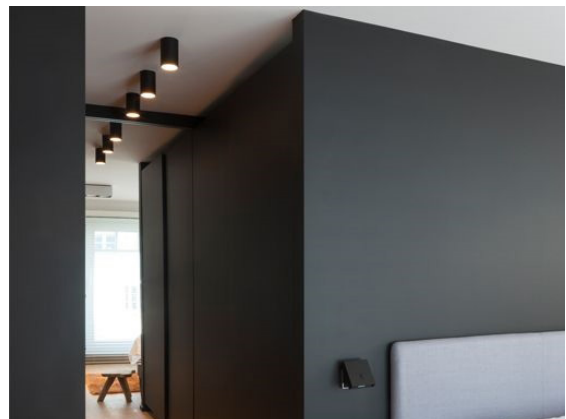
Wattage: 25W
CCT: 4000K & 3000K
Luminous Flux: 2880lm
Dimmable: No
IP Rating: IP54
Average Lifespan: 50 000 Hours / 5 Years

Voltage: AC200-240V
Flicker free
LED: Citizen COB
CRI: 80
UGR: <19
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: AC3750V
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 (colour rendering and colour uniformity). It offers a wide range of options to create the desired ambience.

TECHNICAL DATA:

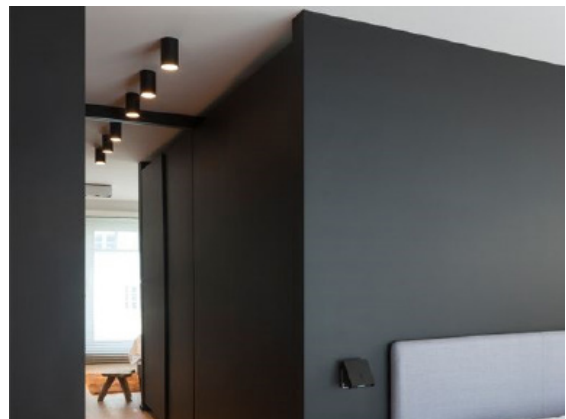
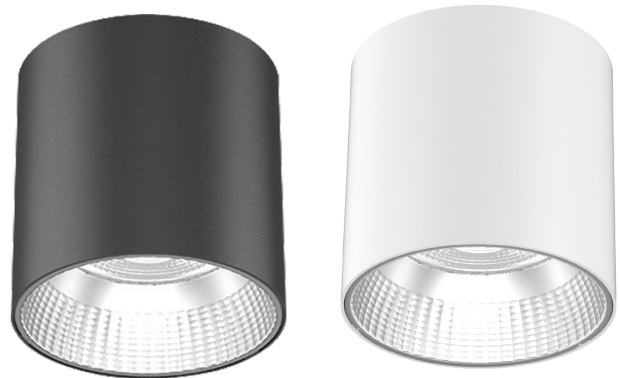
Wattage: 35W
 CCT: 4000K
 Luminous Flux: 3900lm
 Dimmable: No
 IP Rating: IP54
 Average Lifespan: 50 000 Hours / 5 Years

Voltage: AC200-240V
 Flicker free
 LED: Citizen COB
 CRI: 80
 UGR: <22
 Rated Input Voltage(V): AC230V
 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: AC3750V
 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
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: 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: AC3750V
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

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: 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: AC3750V

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 aluminium 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: 165mm

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: AC3750V

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 aluminium 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: 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: AC3750V
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: Aluminium Alloy

IP Rating: IP65

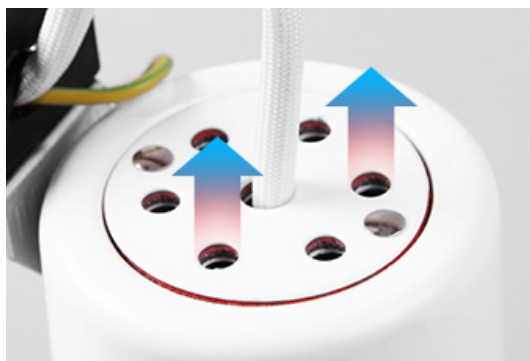
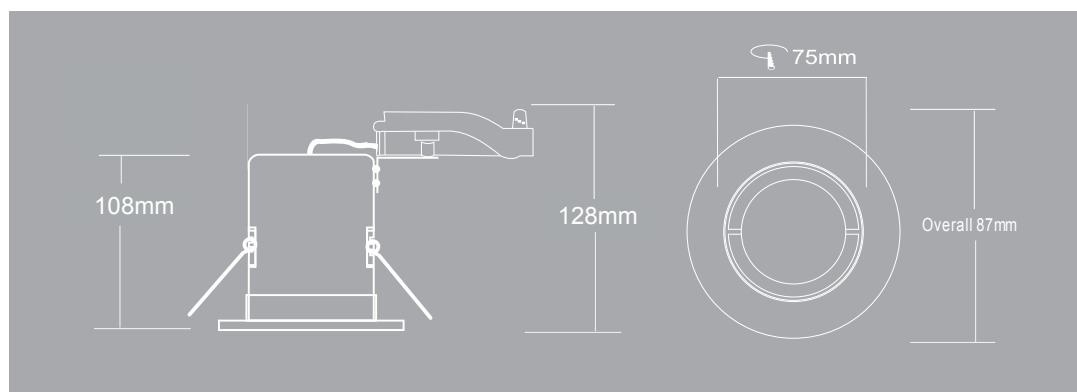
Certification: CE, EMC, LVD, RoHS, REACH, VDE

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: Aluminium Alloy

IP Rating: IP65

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

Warranty: 2 Years

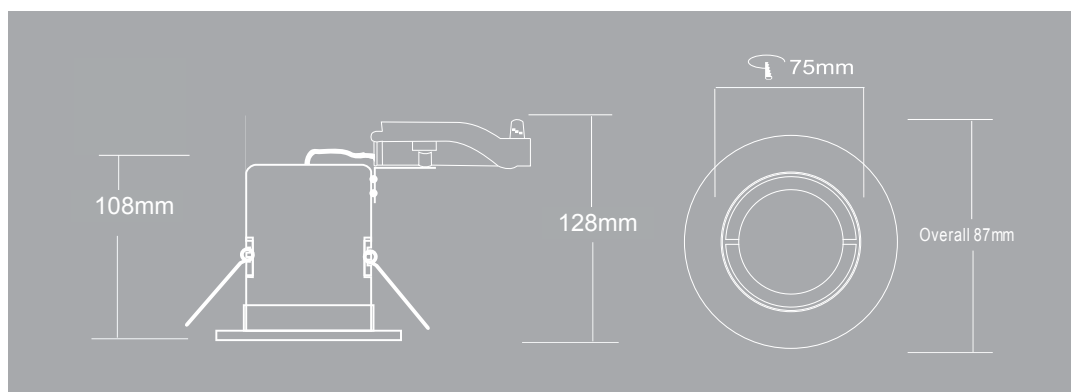
Lampholder: GU10

Diameter: 87mm

Cut-out: 75mm

CRI: >90

**Fire
Rated**





JIN235

Fire Rated LED Downlight Anti Glare

- Professional fire protection design
- 90 Minutes fire rated test standard bs476
- High quality bezel

Wattage: 10.8W
 Colour 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
 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: Aluminium
 IP Rating: IP65
 Certification: CE, EMC, LVD, RoHS, REACH, VDE
 Light Source: LED
 Lamp Luminous Efficiency(lm/w): 80
 Colour 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



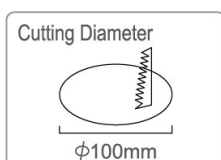
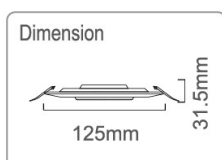
AcTEC Non-Dimmable LED Driver



TLQ100 - 4000K TLQ101 - 3000K

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

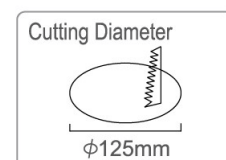
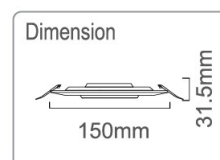
Input Voltage: AC180V - 265V, 50/60Hz
Operating Temperature: -10°C to $+45^{\circ}\text{C}$
Retro built-in high efficiency driver
Connection: Push-in connector
Beam Angle: 120°
86% Energy Saving
Robust Design
50 000Hr Average Lifespan
5 Year Warranty
Anti-Glare Diffuser
PF: >0.9



TLQ105 - 4000K TLQ106 - 3000K

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

Input Voltage: AC180V - 265V, 50/60Hz
Operating Temperature: -10°C to $+45^{\circ}\text{C}$
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

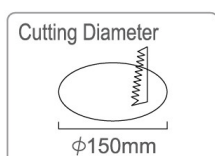
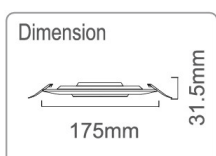




TLQ110 - 4000K TLQ111 - 3000K

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

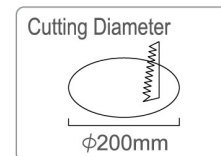
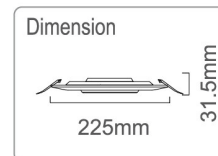
Input Voltage: AC180V - 265V, 50/60Hz
Operating Temperature: -10°C to $+45^{\circ}\text{C}$
Retro built-in high efficiency driver
Connection: Push-in connector
Beam Angle: 120°
86% Energy Saving
Robust Design
50 000Hr Average Lifespan
5 Year Warranty
Anti-Glare Diffuser
PF: >0.9



TLQ115 - 4000K TLQ116 - 3000K

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

Input Voltage: AC180V - 265V, 50/60Hz
Operating Temperature: -10°C to $+45^{\circ}\text{C}$
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

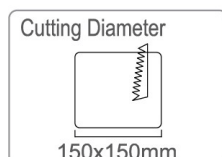
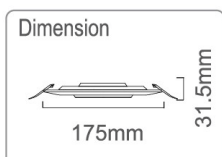




TLQ135

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

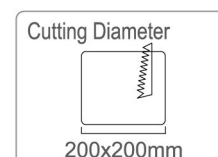
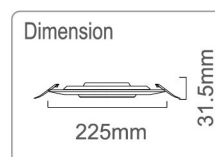
Input Voltage: AC180V - 265V, 50/60Hz
Operating Temperature: -10°C to + 45°C
Retro built-in high efficiency driver
Connection: Push-in connector
Beam Angle: 120°
86% Energy Saving
Robust Design
50 000Hr Average Lifespan
5 Year Warranty
Anti-Glare Diffuser
PF: >0.9



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



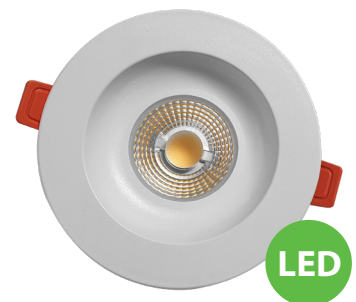


TLQ11X

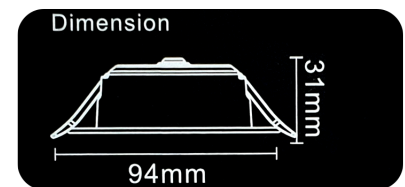
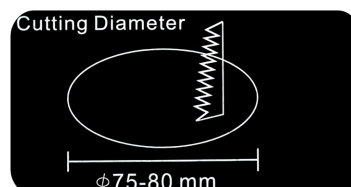
LED Downlight | Dimmable

Power: 6.5W
3000K Warm White
1350Lm
84 Lumen per Watt
Diameter: 94mm
Height: 31mm
Cut-out: 75 x 80mm

Input: AC180-250V, 50/60Hz
Output: +21V - 240mA MAX
IP Rating: IP44
ta50°C
Beam Angle: 38°
CRI: >80
Lifespan: 50 000Hrs



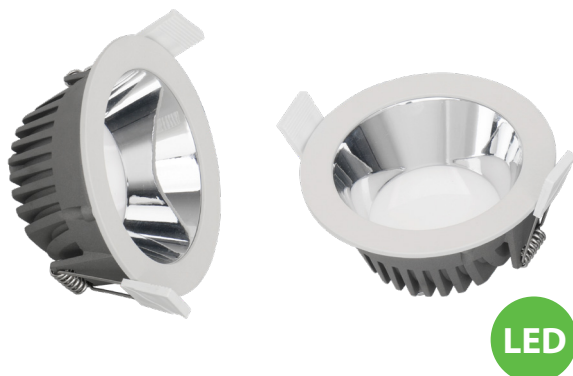
RoHS
Compliant





SCL702

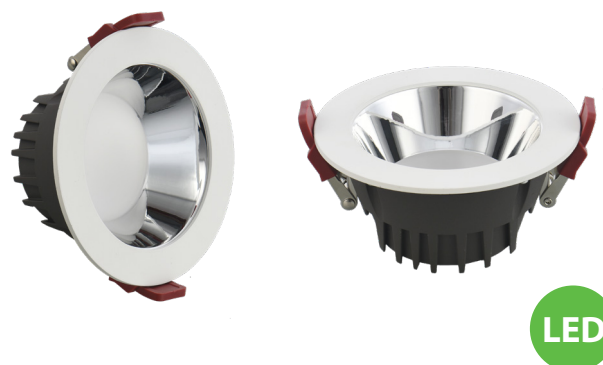
9W SMD LED Downlight
 White trim with polished silver reflector
 Chip: Bridgelux
 Driver: Lifud - Non Flicker
 Lifespan: 50,000 hours
 Colour Temperature: 4000K
 Lumens per Watt: 100Lm/W
 CRI: >80
 Beam Angle: 70°
 Cut-out: 90mm
 Class II
 IP20



LED

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



LED



SCL704

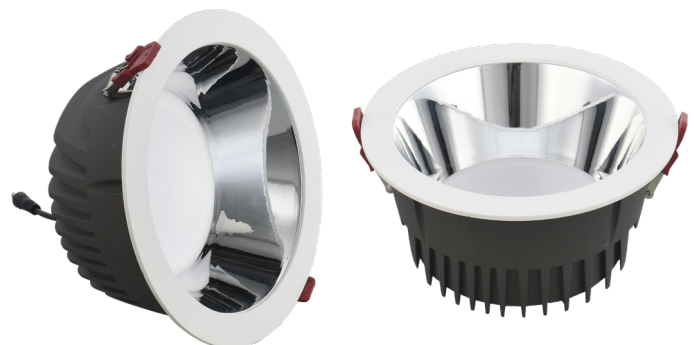
25W SMD LED Downlight
 White trim with polished silver reflector
 Chip: Bridgelux
 Driver: Lifud - Non Flicker
 Lifespan: 50,000 hours
 Colour Temperature: 4000K
 Lumens per Watt: 100Lm/W
 CRI: >80
 Beam Angle: 70°
 Cut-out: 165mm
 Class II
 IP20



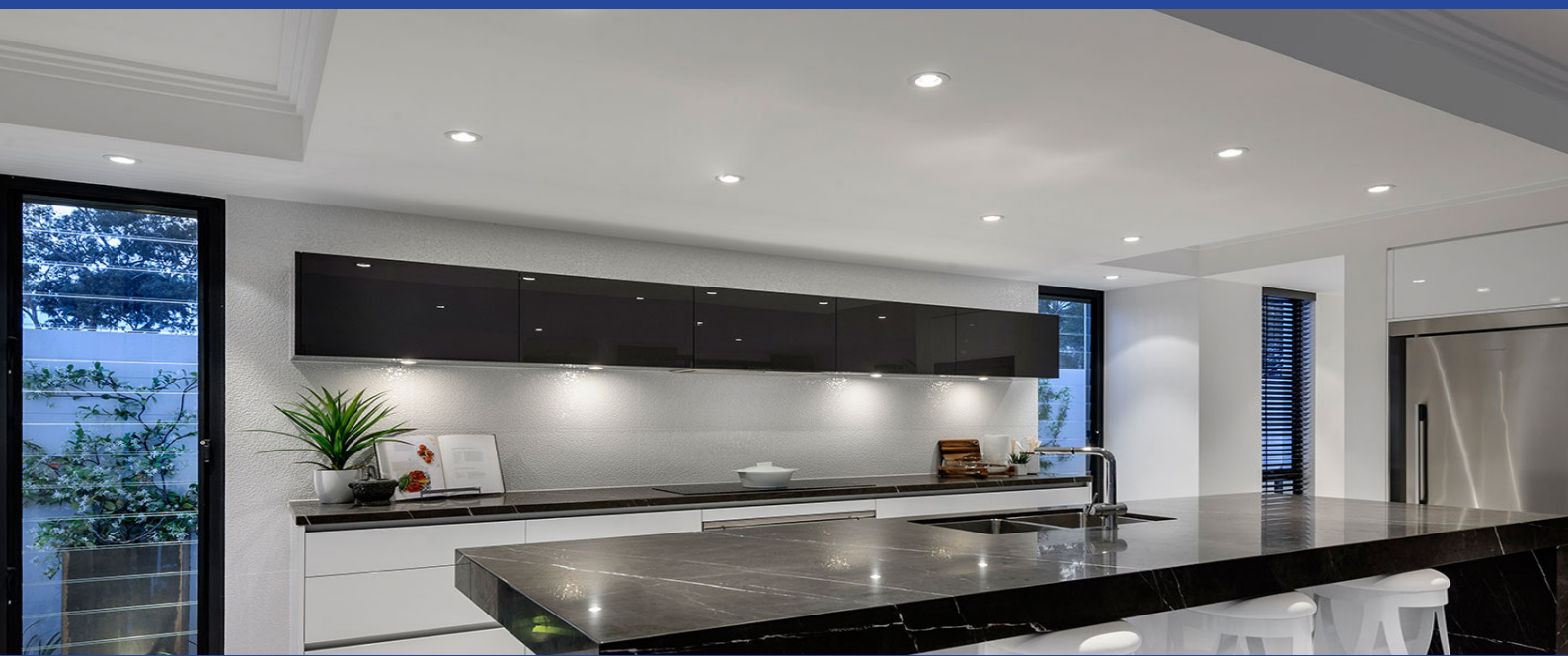
LED

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



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



WXX109 - 3000K - 7W

WXX110 - 4000K - 7W

Adjustable LED downlighter - Round
 Body: Plastic coated aluminium+PMMA
 Average Lifespan: 25 000Hrs
 Flicker Free
 220V - 240V ~ 50/60Hz
 Power Factor: >0.5
 CRI: >80
 7W LED
 560 Lumen
 Beam Angle: 38°
 Diameter: 90mm
 Cut-out: 80mm
 Depth: 34.7mm
 IP40
 Non Dimmable



WXX122/3000K

Input Voltage: 100-240V
Power: 6W LED
Flux: 380Lm
CCT: 3000K
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



WXX124/3000K

Input Voltage: 100-240V
Power: 9W LED
Flux: 600Lm
CCT: 3000K
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



WXX126/3000K

Input Voltage: 100-240V
Power: 15W LED
Flux: 1150Lm
CCT: 3000K
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



WXX128/3000K

Input Voltage: 100-240V
Power: 18W LED
Flux: 1400Lm
CCT: 3000K
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



WXX130/3CCT

Input Voltage: 220-240V
 Power: 7W LED
 Flux: 560Lm
 CCT: 3000K- 6500K
 PF: >0.5
 Ra: 80
 Beam Angle: 120°
 Lifespan: 25 000Hr
 Diameter: 100mm
 Height: 44mm
 Cut-out: 80mm
 Samsung LED
 IP Rating: IP20
 Warranty: 2 Year



WXX131/3CCT

Input Voltage: 220-240V
 Power: 10W LED
 Flux: 800Lm
 CCT: 3000K- 6500K
 PF: >0.5
 Ra: 80
 Beam Angle: 120°
 Lifespan: 25 000Hr
 Diameter: 116mm
 Height: 52mm
 Cut-out: 92mm
 Samsung LED
 IP Rating: IP20
 Warranty: 2 Year



WXX132/3CCT

Input Voltage: 220-240V
 Power: 15W LED
 Flux: 1200Lm
 CCT: 3000K- 6500K
 PF: >0.5 Ra: 80
 Beam Angle: 120°
 Lifespan: 25 000Hr
 Diameter: 138mm
 Height: 54mm
 Cut-out: 105mm
 Samsung LED
 IP Rating: IP20
 Warranty: 2 Year



WXX133/3CCT

Input Voltage: 220-240V
Power: 20W LED
Flux: 1600Lm
CCT: 3000K- 6500K
PF: >0.5
Ra: 80
Beam Angle: 120°
Lifespan: 25 000Hr
Diameter: 175mm
Height: 54mm
Cut-out: 142mm
Samsung LED
IP Rating: IP20
Warranty: 2 Year



WXX134/3CCT

Input Voltage: 220-240V
Power: 30W LED
Flux: 2400Lm
CCT: 3000K- 6500K
PF: >0.5 / 0.9
Ra: 80
Beam Angle: 120°
Lifespan: 25 000Hr
Diameter: 225mm
Height: 54mm
Cut-out: 180mm
Samsung LED
IP Rating: IP20
Warranty: 2 Year



KK1921

LED

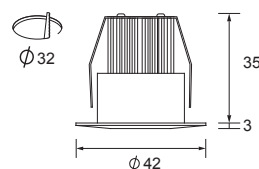


SAL

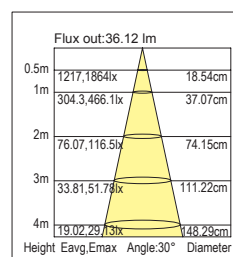
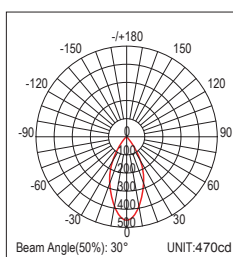
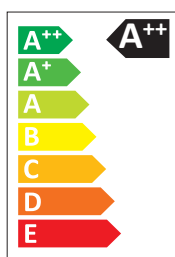
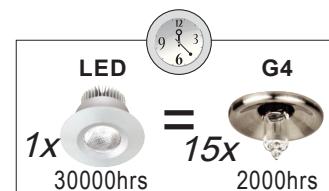
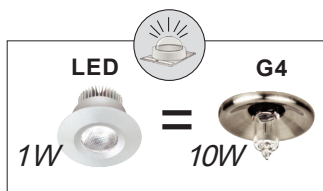
WH

1W
3000K/4000K
90 Lumen

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
EN61347-2-13:2014

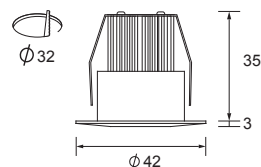
KK1922

LED

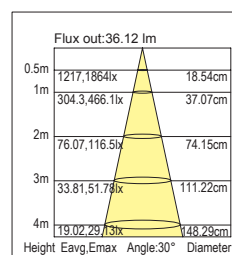
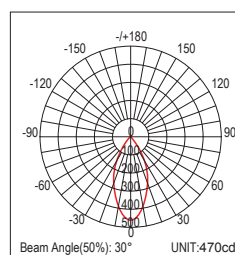
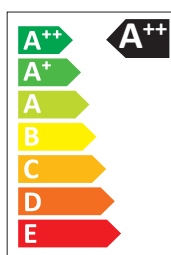
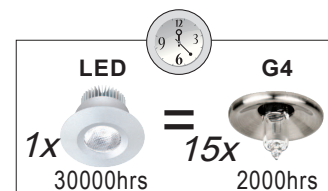
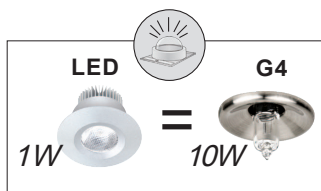


**1W
4000K
90 Lumen**

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

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

KK1923

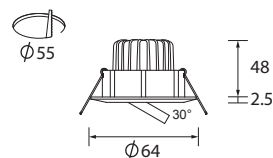
LED



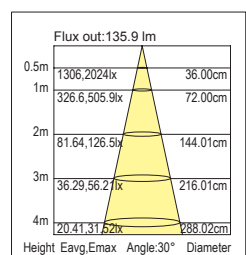
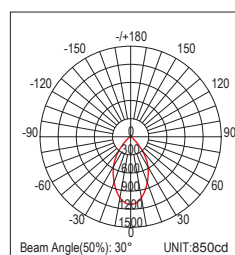
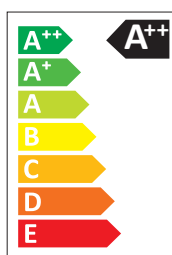
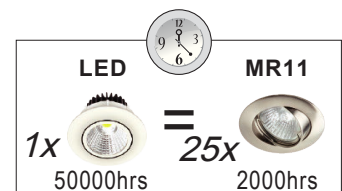
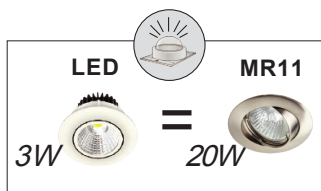
MAL

3W
50 000Hr
300 Lumen
3000K

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
EN 61000-3-2:2014
EN 61000-3-3:2013

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

KK1924

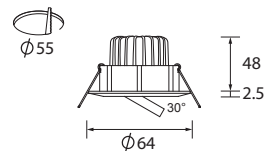
LED



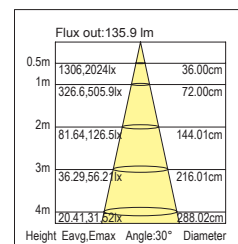
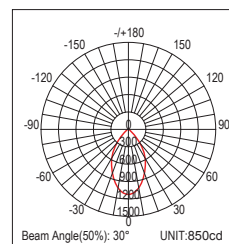
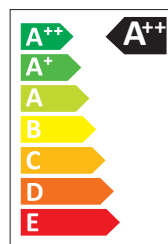
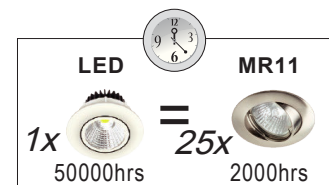
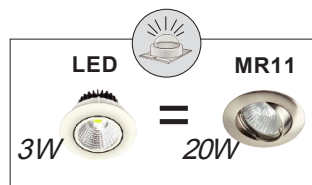
MAL

3W
50 000Hr
300 Lumen
4000K

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



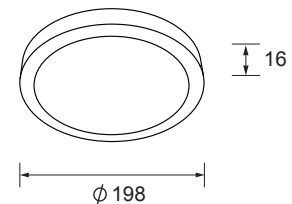
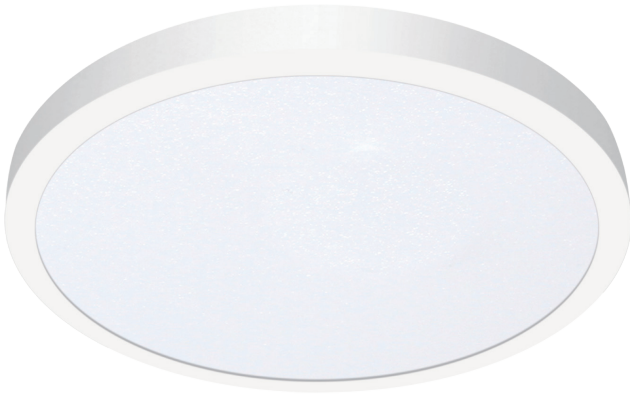
Certified

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

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

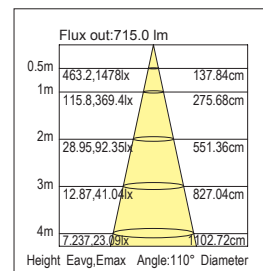
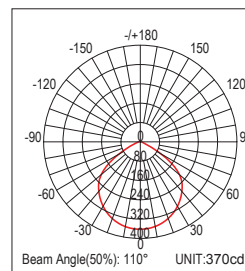
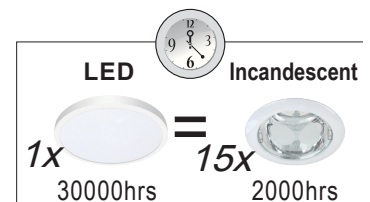
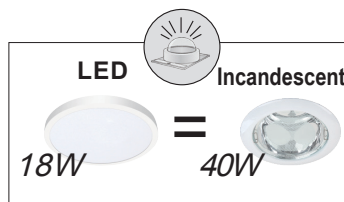
KK1917

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

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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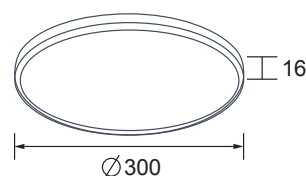
KK1918

LED

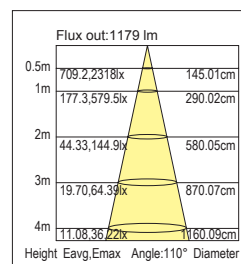
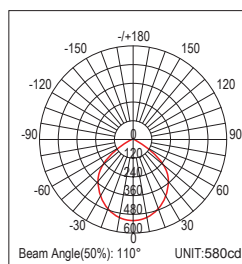
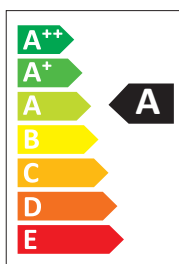
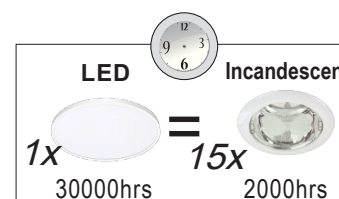
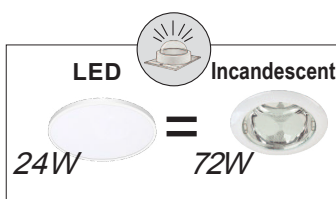


Available in Black and White Options

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	30 000 Hours
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

EN 60598-1:2015
EN 60598-2-2:2012
EN 62031:2008/A1:2013
EN 62471:2008
EN 62493:2010
EN61347-1:2008+A1:2011+A2:2013
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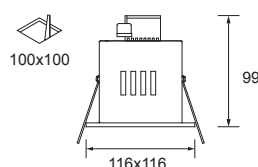
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EN 61547:2009
EN 61000-3-2:2014
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KK1928

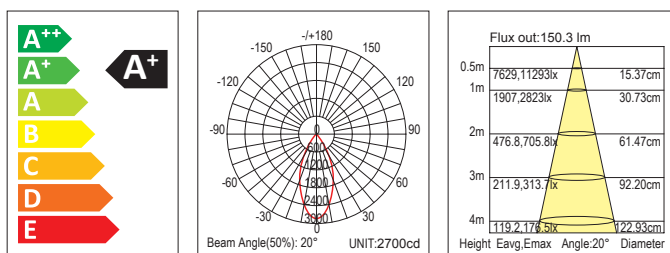
LED



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

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

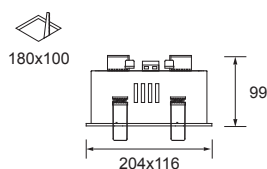
EN 55015:2013
 EN 61547:2009
 EN 61000-3-2:2014
 EN 61000-3-3:2013

KK1929

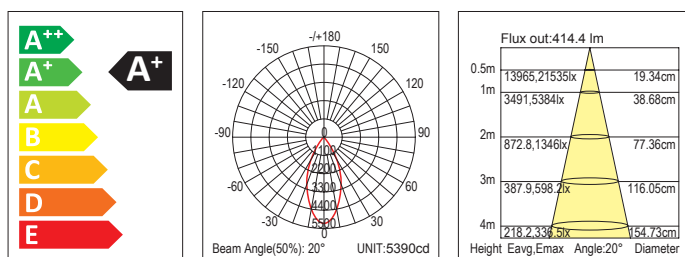
LED



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	versitile 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

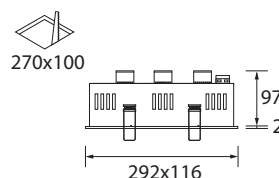
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 EN 62031:2008/A1:2013
 EN 62471:2008
 EN 62493:2010
 EN 55015:2013
 EN 61547:2009
 EN 61000-3-2:2014
 EN 61000-3-3:2013
 EN61347-1:2008+A1:2011+A2:2013
 EN61347-2-13:2014

KK1925

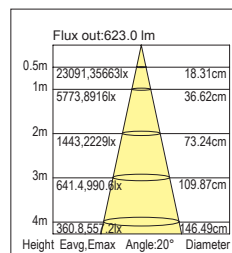
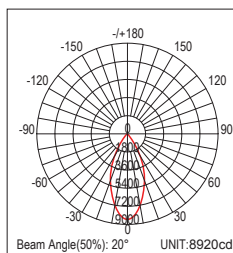
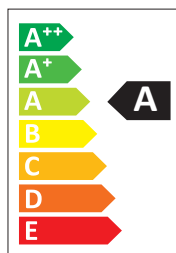
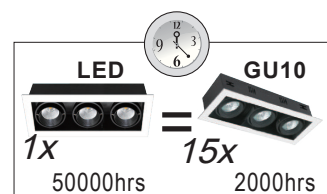
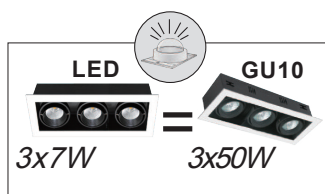
LED



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

KK1937

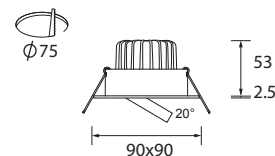
LED



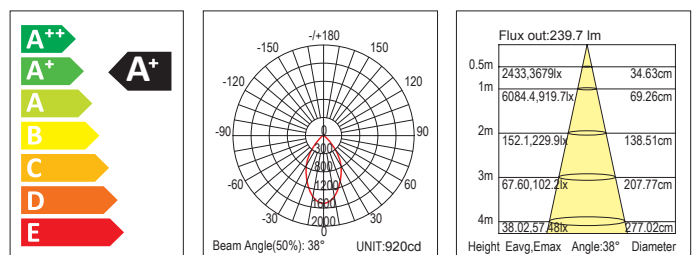
LAL/MAL

6W
50 000Hr
540 Lumen
3000K

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 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

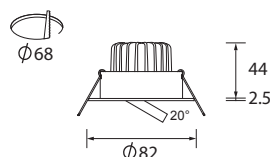
KK1935

LED

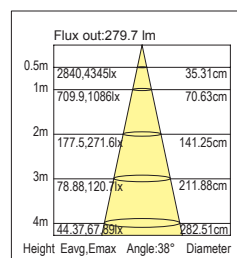
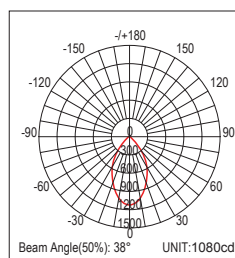
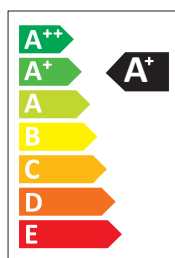
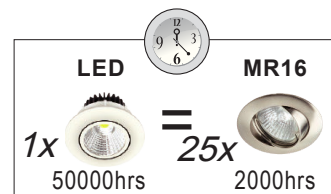
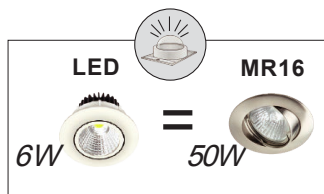


6W
50 000Hr
650 Lumen
3000K/4000K

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 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

KK1935/DIM

LED

6W
50 000Hr
650 Lumen
3000K



MWH

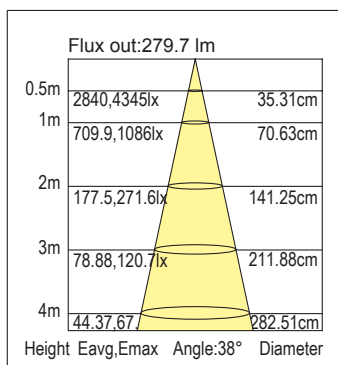
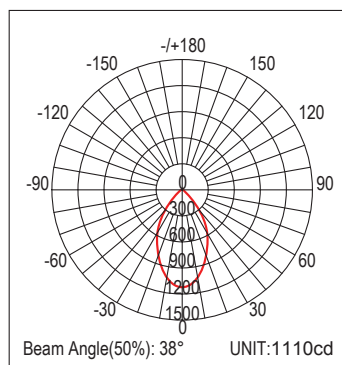
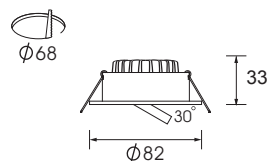


MAL



BK

Item No.	Color	Kelvin	Beam angle
KK1935-DIM	MWH	2700K, 3000K, 4000K	38°
	MAL	2700K, 3000K, 4000K	38°
	BK	2700K, 3000K, 4000K	38°



General information:	
Item No.	KK1935-DIM
Product family code	LED Down Light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	aluminum
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated lifetime	L80B20/50000H, Ta=25°C(5 years)
Light technical:	
Input	DC350mA 18V
Type of lamps	COB
Number of lamps	1
Rated power	6W
Color consistency	<3
Color rendering index(CRI)	>80
Lamp color temperature	3000K
LED luminous flux	800lm
Light luminous flux	680lm
Beam angle	38°
Light intensity@3000K	1110cd
Electrical:	
Power supply	KLP350-6D3, external
Total power	7.7W
Power supply included	Yes
Supply voltage	AC220-240V
Line frequency	50-60Hz
Safety class	class II
Dimmable	Yes
Power factor	0.9
Flicker	<30%

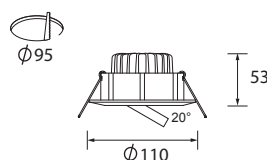
KK1936

LED

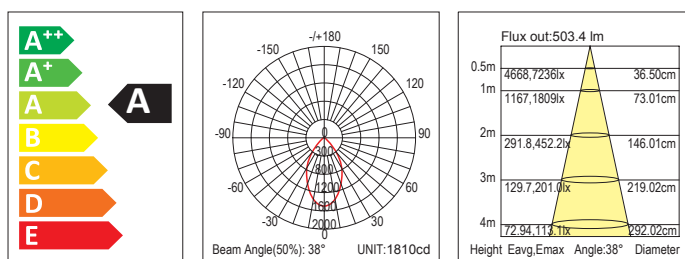


12W
50 000Hr
1050 Lumen
3000K/4000K

Item No.	Color	Kelvin	Beam angle
KK1936	MWH	2700K, 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	30 000 Hours
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	2700K, 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 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

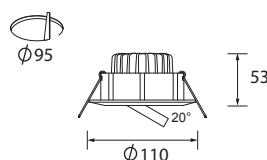
KK1936/DIM

LED

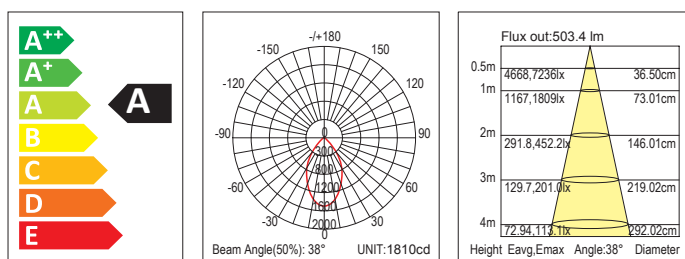


12W
50 000Hr
1050 Lumen
3000K/4000K

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 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

KK1942

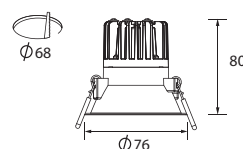
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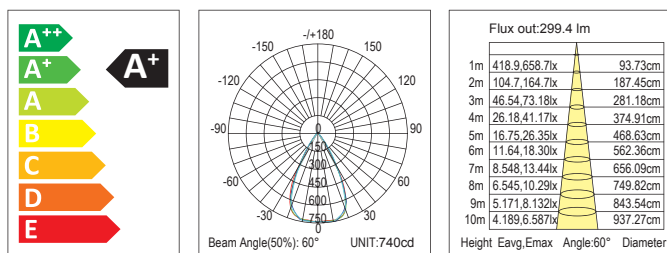
MWH



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



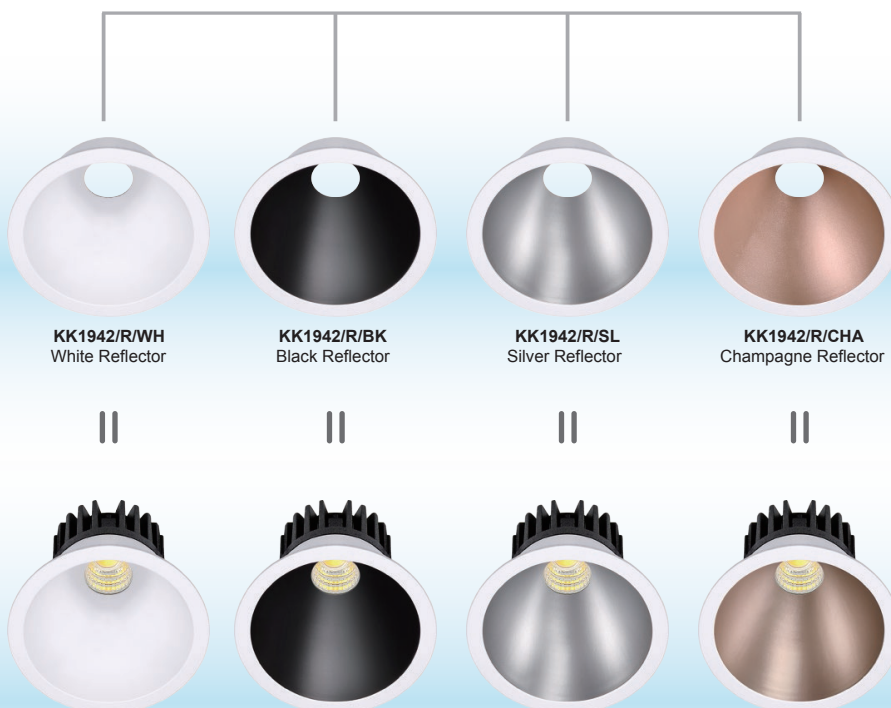
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EN 60598-1:2015	EN 55015:2013
EN 60598-2-2:2012	EN 61547:2009
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KK1942



KK1942 Module



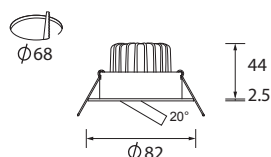
KK1947

LED

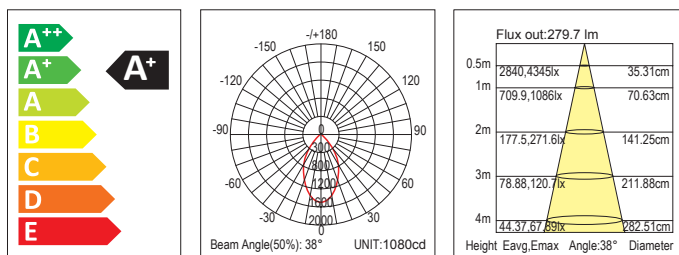


6W
50 000Hr
650 Lumen
4000K

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
EN 61000-3-3:2013

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

KK1948

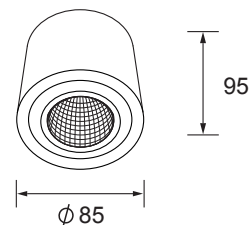
LED



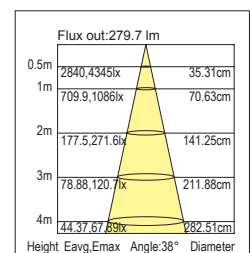
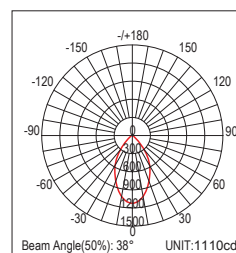
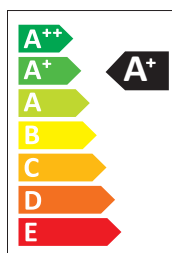
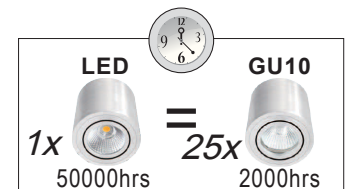
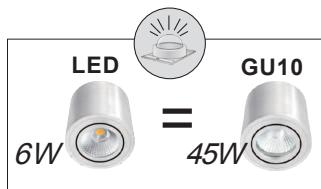
SWH



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

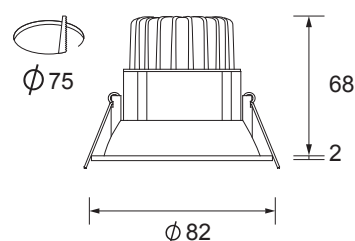
EN 55015:2013
 EN 61547:2009
 EN 61000-3-2:2014
 EN 61000-3-3:2013

KK1953

LED

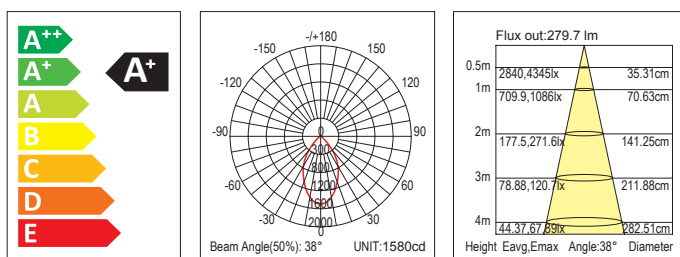


9W
50 000Hr
760 Lumen
3000K



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(CRI)	>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
EN 61000-3-2:2014
EN 61000-3-3:2013
EN61347-1:2008+A1:2011+A2:2013
EN61347-2-13:2014

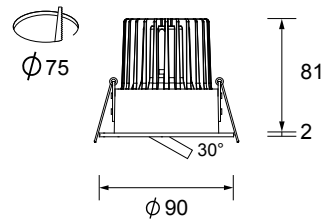
KK1963

LED

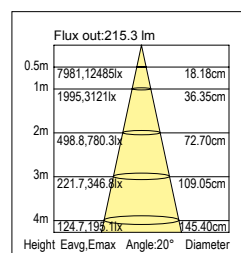
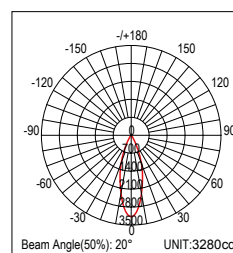
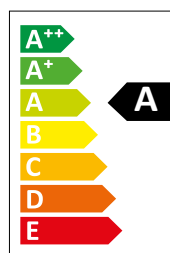
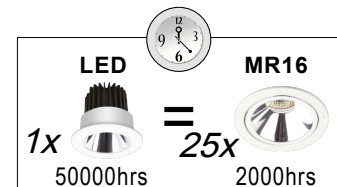
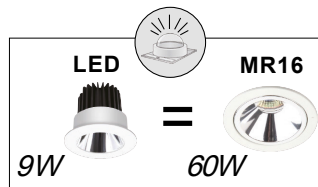


**9W
50 000Hr
560 Lumen
3000K**

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

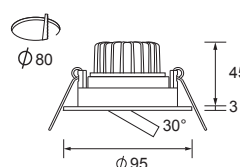
KK1964

LED

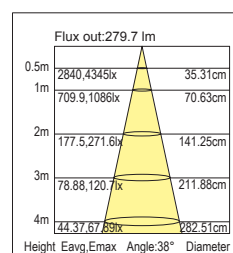
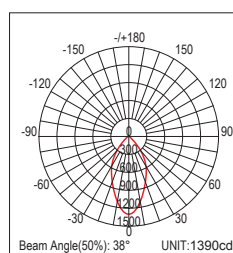
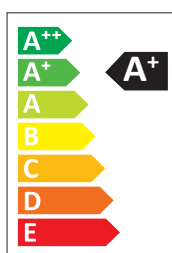
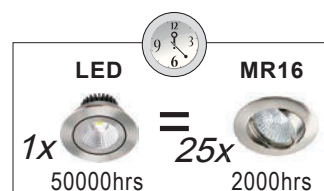
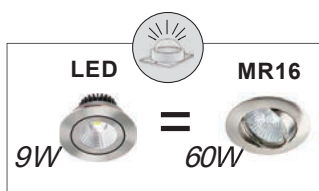


Soft line inner trim

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

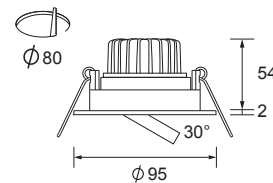
LED



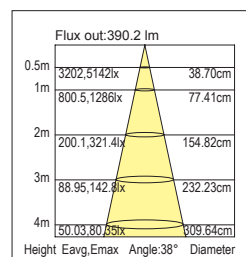
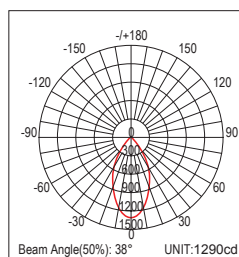
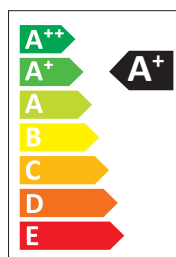
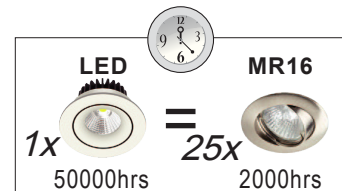
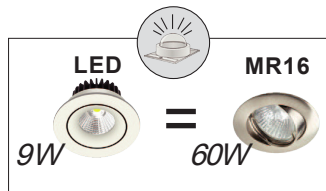
SWH



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 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/DIM

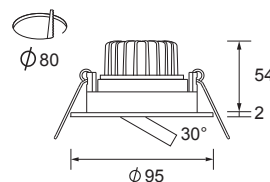
LED



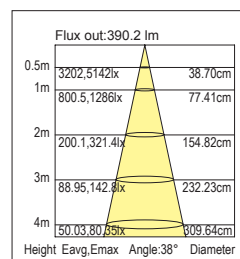
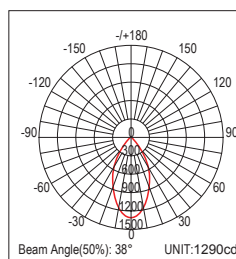
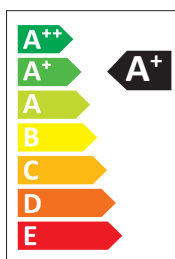
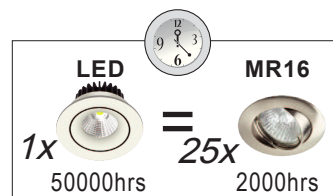
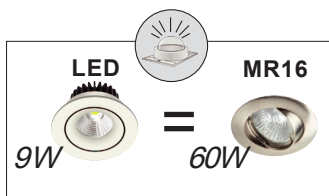
SWH



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

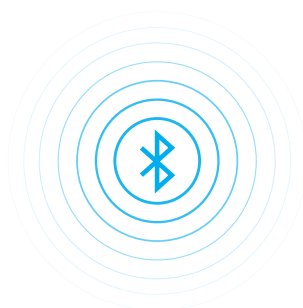
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 EN 62471:2008
 EN 62493:2010
 EN 55015:2013
 EN 61547:2009
 EN 61000-3-2:2014
 EN 61000-3-3:2013
 EN61347-1:2008+A1:2011+A2:2013
 EN61347-2-13:2014

KK1934/BT

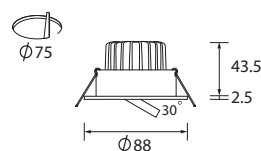
LED



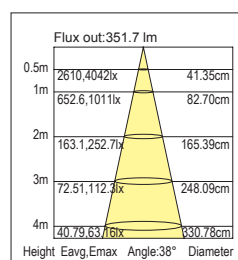
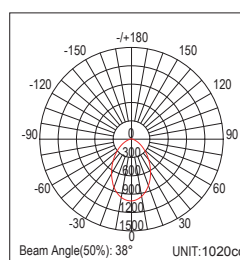
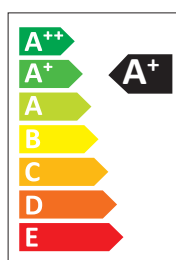
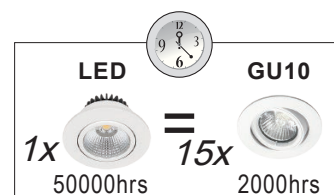
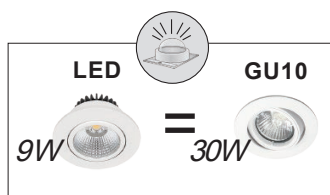
NEW
Bluetooth
Downlight
50 000Hr



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
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

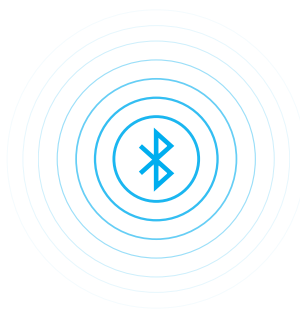
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KK1935/BT

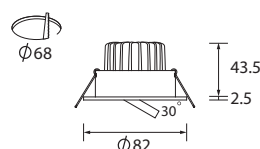
LED



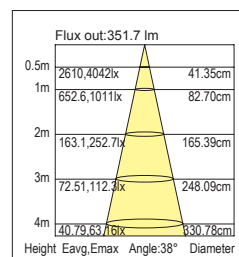
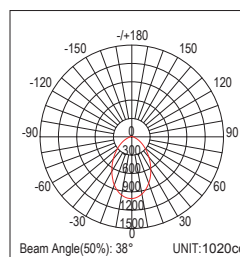
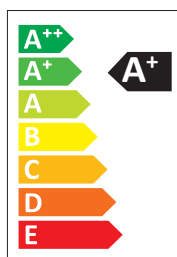
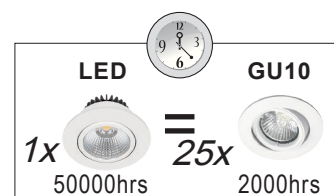
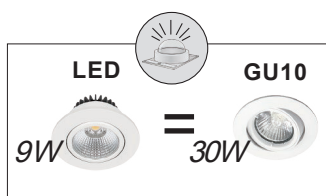
NEW
Bluetooth
Downlight
50 000Hr



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

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

IEC Code: KDL2101

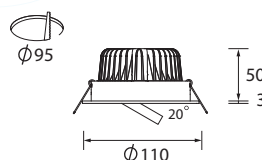
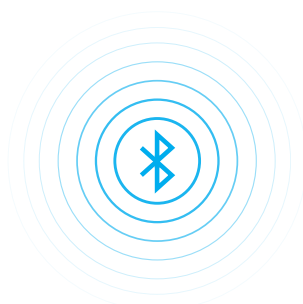
KK1936/BT

LED

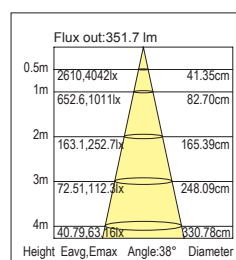
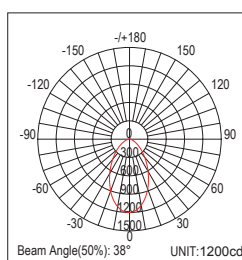
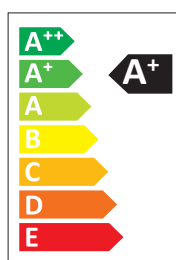
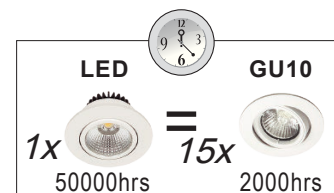
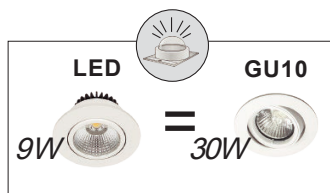


NEW
Bluetooth
Downlight
50 000Hr

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
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

IEC Code: KDL2201

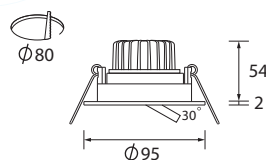
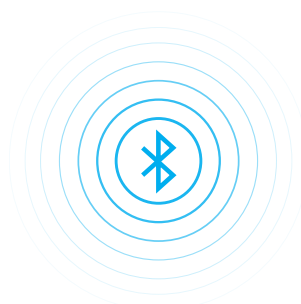
KK1966/BT

LED



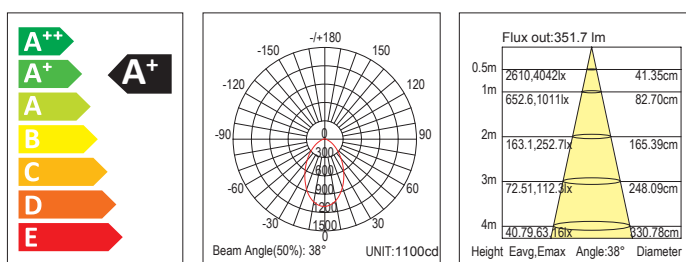
NEW

Bluetooth
Downlight
50 000Hr



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 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

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 t_a : -20°C to +50°C
- Max. case temperature at t_c point: 80°C
- Galvanic isolation : 3kVrms
- Suitable for class I and II luminaires
- 30,000 h lifetime at t_c = 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, μ 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	

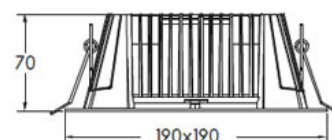
Standards

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.
- Anti-glare 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.
- 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 TRACK LIGHT

SXX204 - Black

SXX205 - White

This SXX Fitting 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 Fitting 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

SXX206 - Black

SXX207 - White

This SXX Fitting 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: 30W

CCT: 3000K - 5700K

Luminous Flux: 2600lm

Dimmable: No

IP Rating: IP20

Average Lifespan: 50 000 Hours / 5 Years

Voltage: 220-240VAC Flicker free

LED: Citizen COB

CRI: 80

Power Factor: >0.9

Beam Angle: 38°

Protection Class: I

Material: Aluminium

Operating Temp: -20°C~ 45°C

Storage Temp: -20°C~ 65°C

Mounting: 4 Wire Track

Diameter: 206mm

Length: 232mm

Cylinder: 85mm

DRIVER:

Power Factor: 0.9

Rated Input Current: 0.2A

Rated Output Current: 680mA

Short Circuit Protection

Over Voltage Protection

Over Temperature Protection

Withstand Voltage: AC230V

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 SSX Fitting 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

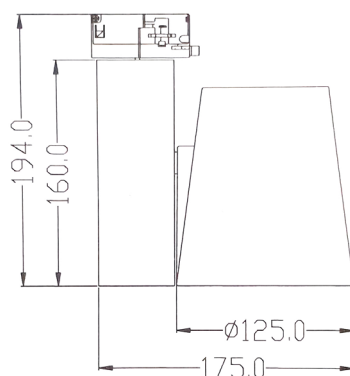


NB: All LED Track Spots need to be protected on the primary side by circuit protection against power & voltage surges.

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 -
SCL400 / SCS401 Black Track

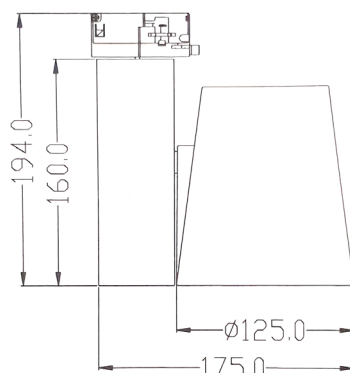


IDEAL FOR SHOPS AND SHOWROOM LIGHTING

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 -
SCL400 / SCS401 Black Track

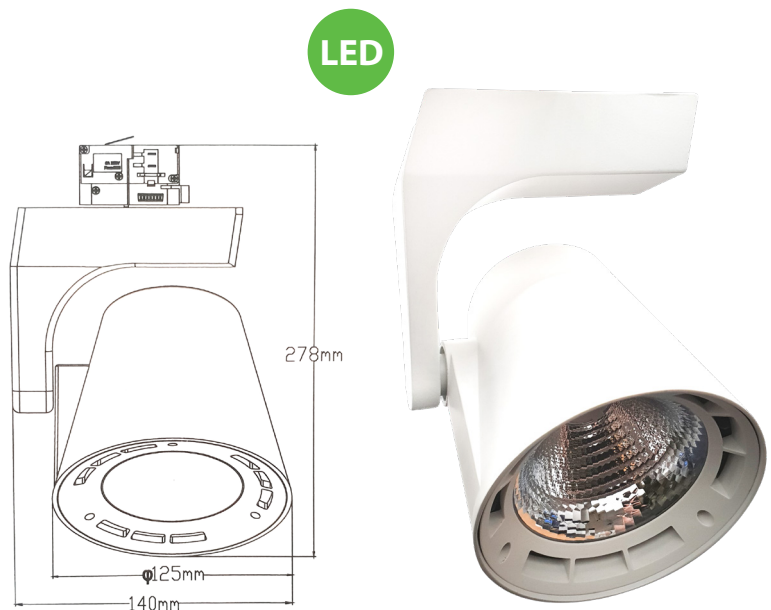


IDEAL FOR SHOPS AND SHOWROOM LIGHTING

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 -
SCL405 / SCS405 White Track

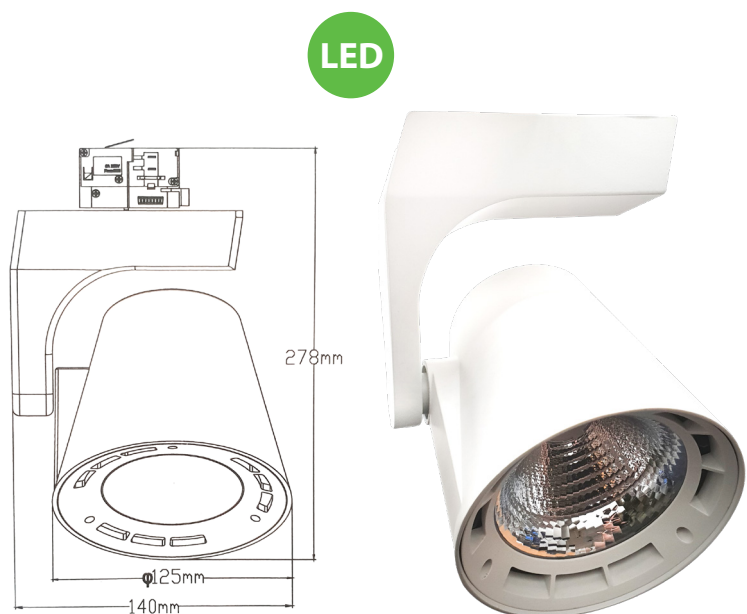


IDEAL FOR SHOPS AND SHOWROOM LIGHTING

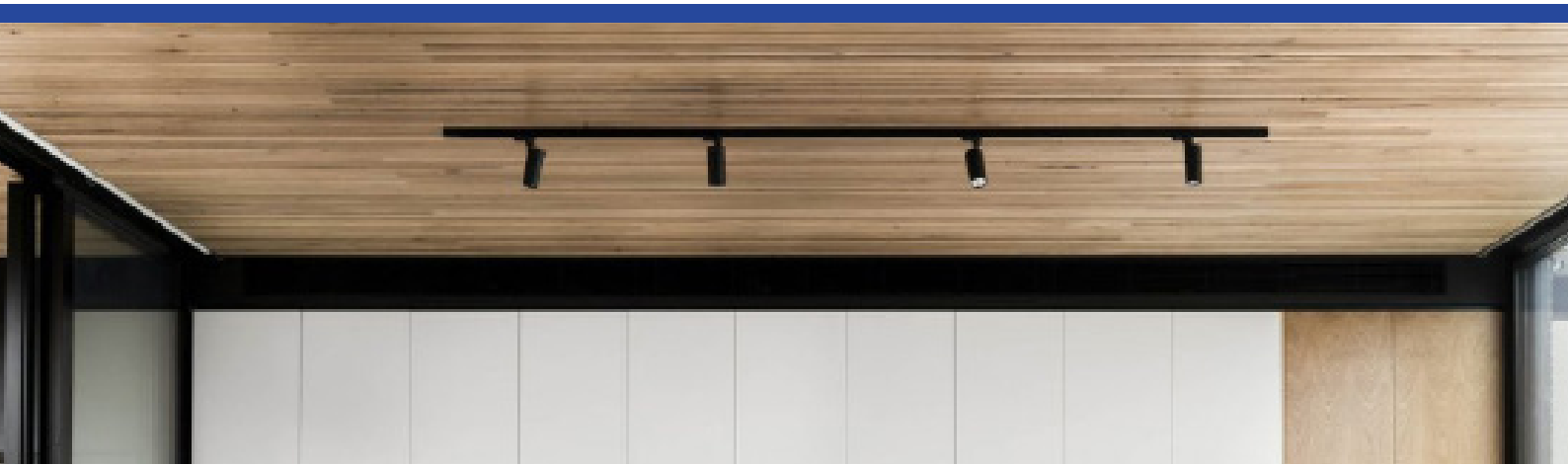
SCL130

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
SCL405 / SCS405 White Track



IDEAL FOR SHOPS AND SHOWROOM LIGHTING



SCL200 - White

SCL201 - Black

Round decorative trackspot - Slimline 2 Wire
GU10 7W LED Max
230V ~ 50Hz
IP20
Diameter: 55mm
Height: 100mm



SCL202 - White

SCL203 - Black

Square decorative trackspot - Slimline 2 Wire
GU10 7W LED Max
230V ~ 50Hz
IP20
L x W: 60mm x 60mm
Height: 100mm



SCL204 - White

SCL205 - Black

Round decorative trackspot - Slimline 2 Wire
GU10 7W LED Max
230V ~ 50Hz
IP20
Diameter: 55mm
Height: 100mm





MAN782/571

2 Wire Track Spot - Black Barrel
220 - 240V
7W LED MAX
GU10 Lamp Holder
Height: 184mm
Length: 100mm
Width: 59mm
IP20 - Interior use only



MAN783/570

2 Wire Track Spot - White Barrel
220 - 240V
7W LED MAX
GU10 Lamp Holder
Height: 184mm
Length: 100mm
Width: 59mm
IP20 - Interior use only



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:

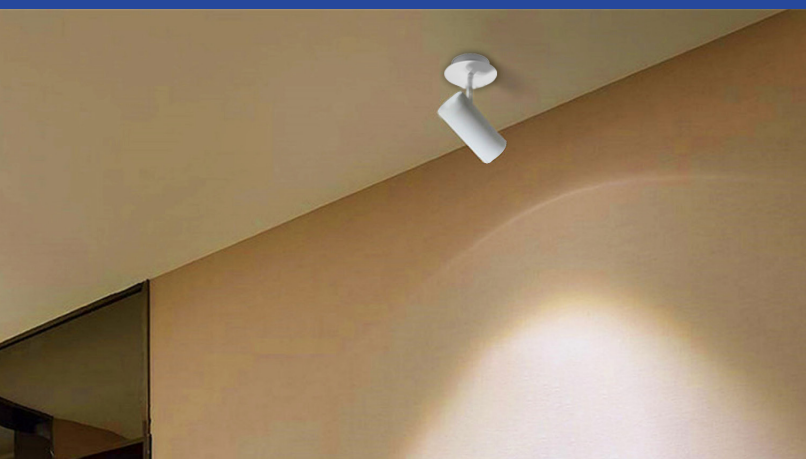
Power Factor: 0.9
Rated Input Current: 0.12A
Rated Output Current: 230mA
Short Circuit Protection
Over Voltage Protection
Over Temperature Protection
Withstand Voltage: AC3750V
IES Files: Yes

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.



SCL200/S - White

SCL201/S - Black

Round decorative surface spot - Slimline

Die-cast Aluminium body

GU10 7W 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 7W LED MAX

Lamp Excluded

230V 50Hz

Diameter: 55mm

Height: 100mm

IP20



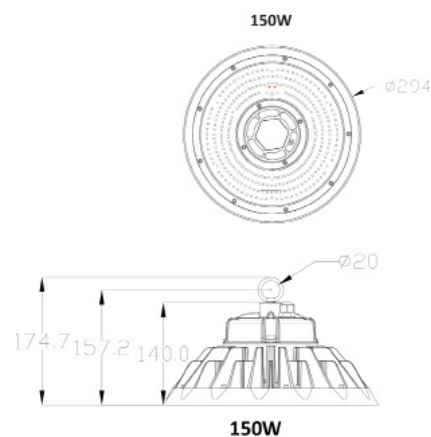
PTH150/S/4000K

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:

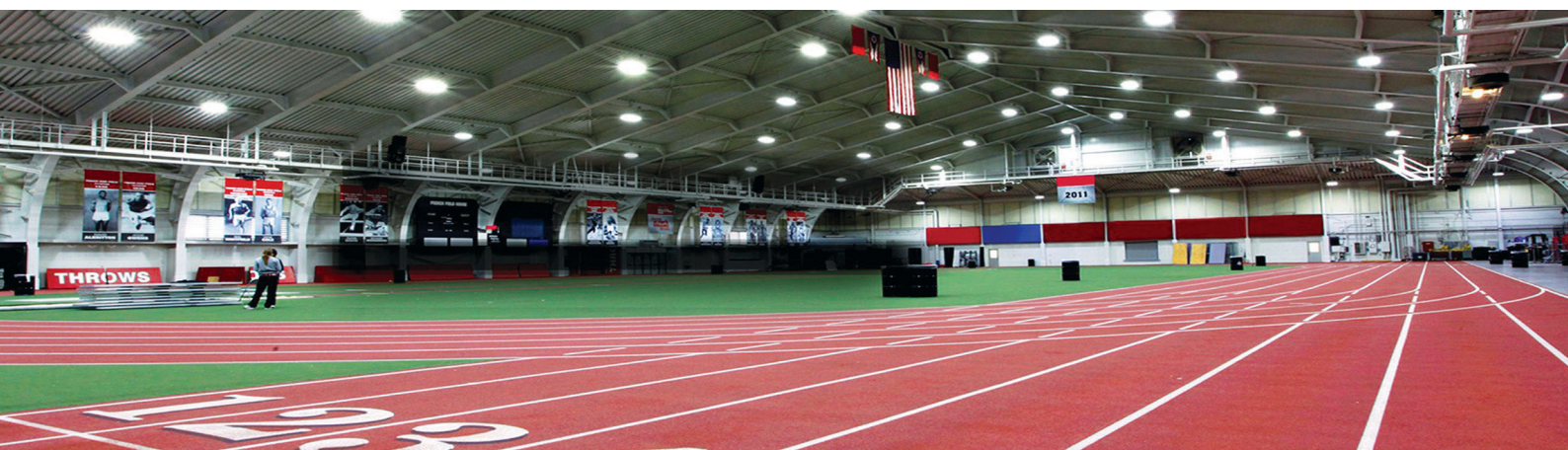
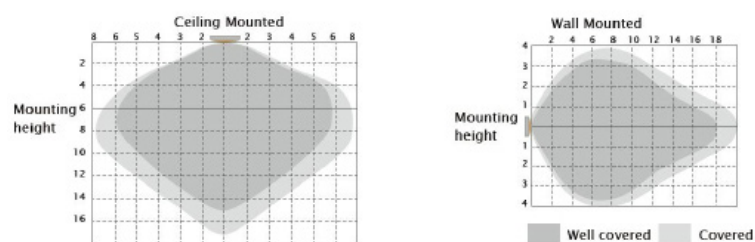
- AL1070 Pure Aluminium Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours/ 5 Years
- IP Rating: IP65
- Input Voltage: AC100-277V
- Storage Temperature: - 20°C ~ 45°C
- Power: 150W
- Lumen: 22 500Lm
- CCT: 4000K
- CRI: >70
- Beam Angle: 120°
- LED Type: 3030
- Light Efficiency: 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.



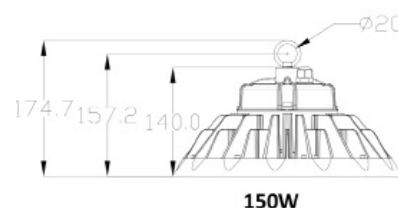
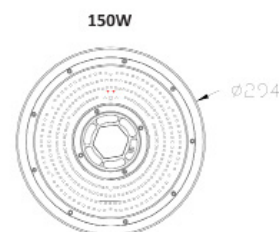
PTH150/BSF/4000K

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° celsius

SPECIFICATION:

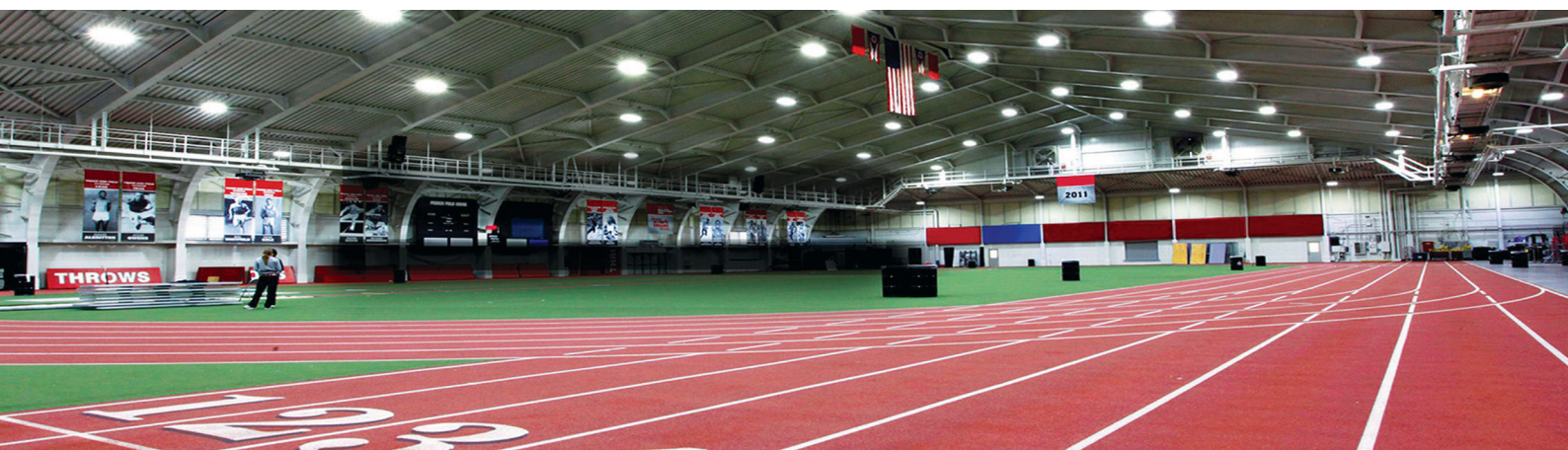
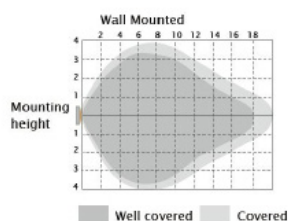
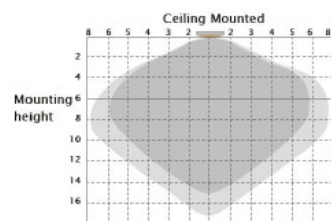
- ADC 12 Die-Cast Aluminium Housing
- IK08 strong protection, good optical function
- Lifespan: 50 000 Hours
- Water Resistant: IP65
- Input Voltage: AC100-277V
- Storage Temperature: - 30°C ~ 45°C
- Power: 150W
- Lumen: 22 500Lm
- CCT: 4000K
- CRI: >70
- Beam Angle: 120°
- LED Type: 3030
- Light Efficiency: 150lm/W
- Optional Extra: Dim 1-10V 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.

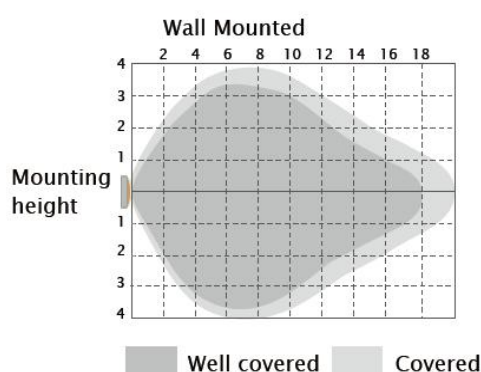
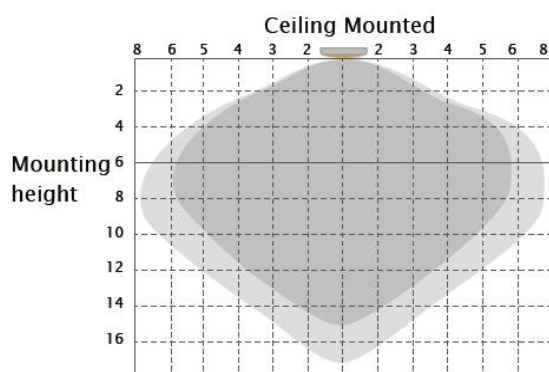


MOTION SENSOR+DAYLIGHT PRIORITY

Detection coverage

Typical installation height 8–12m.

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



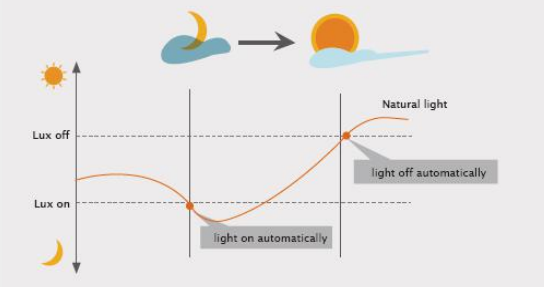
Daylight Priority

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 $+\infty$;
3. Standby dimming level is on 10%/20%/30%.



Application — Daylight priority

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



Light automatically on when ambient brightness is lower than preset lux level.

With insufficient ambient brightness, light dims to 100% when motion detected.

Light dims to standby level if no motion detected after holdtime.

Light off when ambient lux level is higher than preset lux amount.

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.



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.

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 $+\infty$; The light will always remain ON.



When motion is detected, the sensor will switch on the light to 100% brightness.



After people leave the detection area, light remains 100% brightness within hold time.



After the last detection and the present hold time elapsed, light OFF.

3. Function Demo – Dimmable control/Corridor function

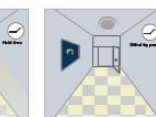
- * Daylight threshold is on 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/200Lux/250Lux/300Lux/350Lux/400Lux;
- * Standby period is on 0s/10s/30s/1min/5min/10min/30min.
- * Light on when detect movement and off after people leave at night. Applications: Corridor, Staircase.



With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After last detection, the light will be dimmed down to the stand-by dimming level (10%, 20%, 30% or 50%) after holdtime.



After the stand-by period, light OFF.

HD05R REMOTE CONTROL

Screen Display, Memory & Apply Function, Optional Scenes

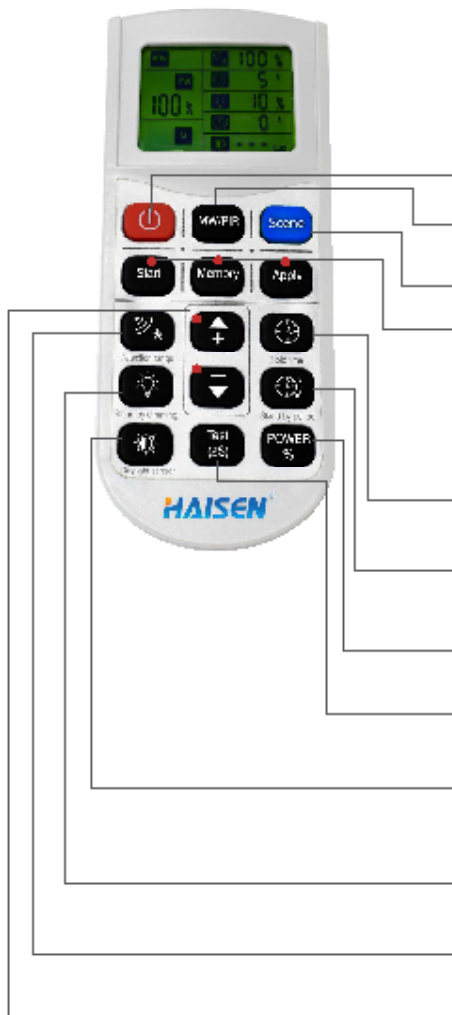
Add a Scene:

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 unit 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

Model No	PTH1505	N.W	2.9 kg
QTY/Carton	1 pcs	G.W	3.5kg
Carton Size	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

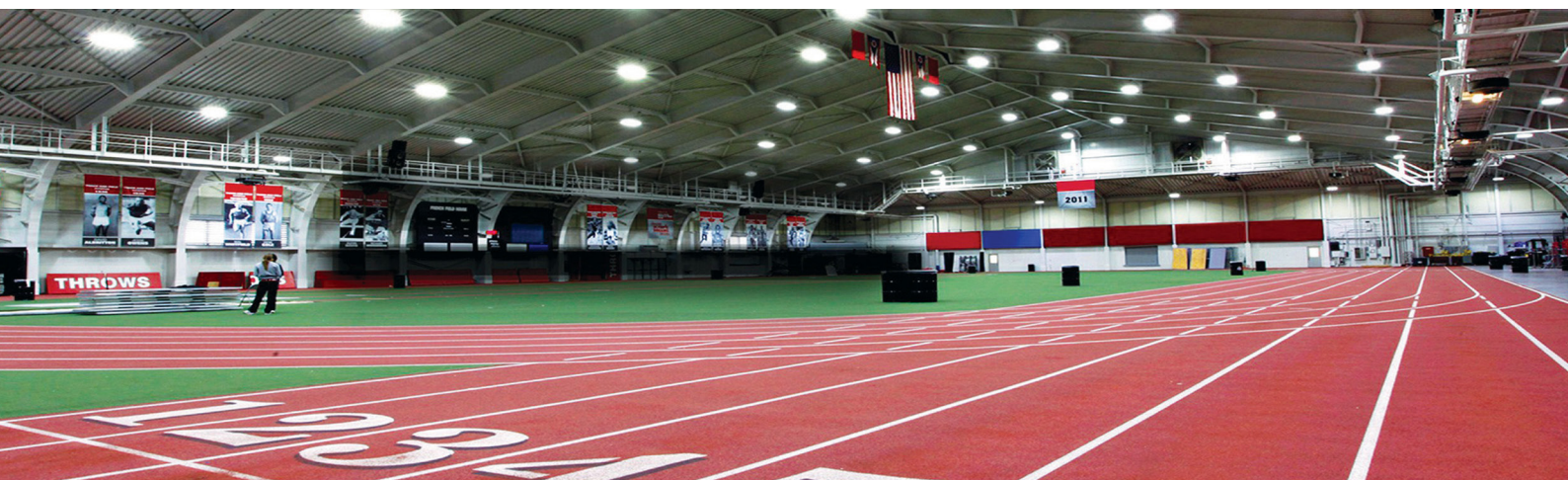
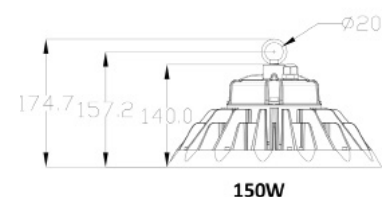
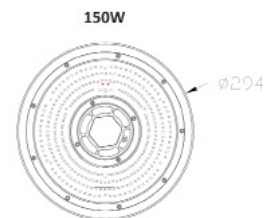
SPECIFICATION:

- 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

LED



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

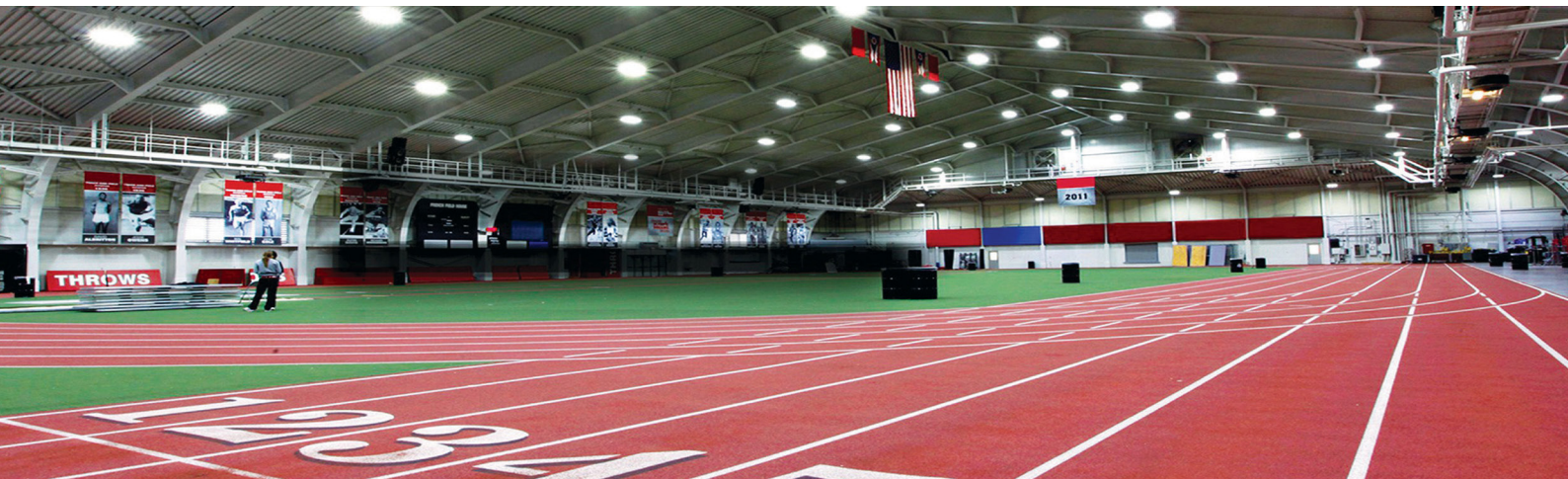
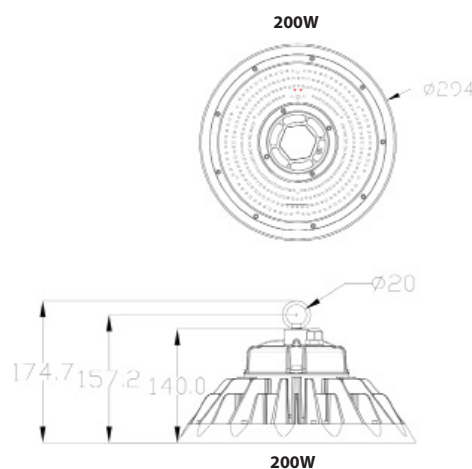
SPECIFICATION:

- ADC12 Aluminium Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours / 5 Years
- Water Resistant: IP65
- 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:

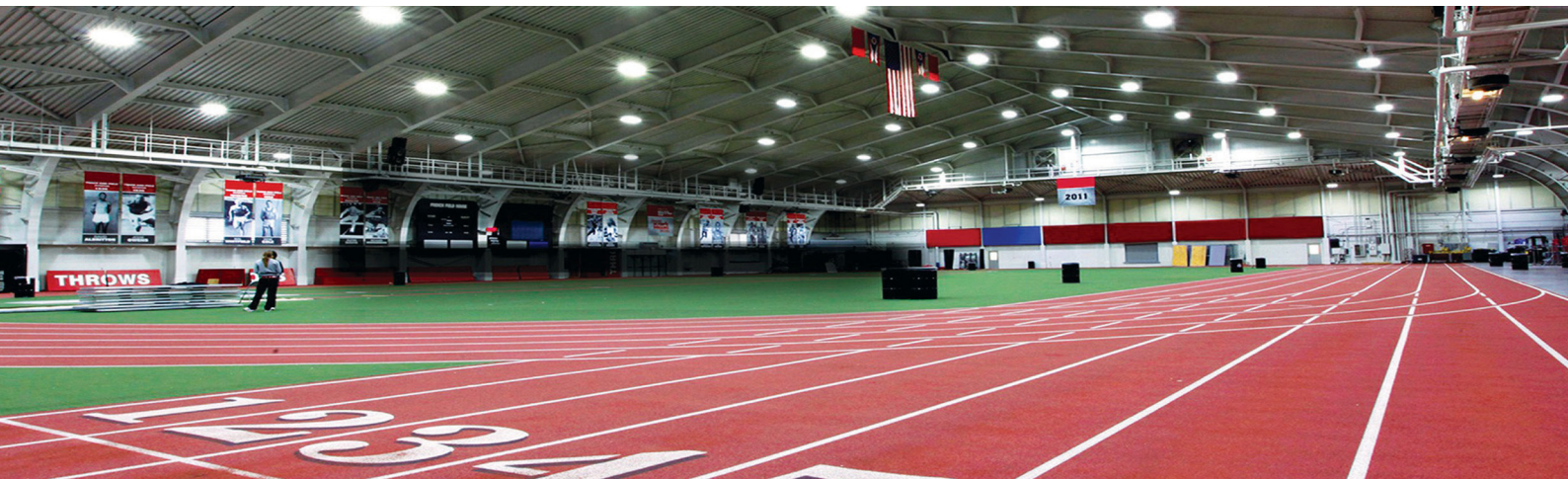
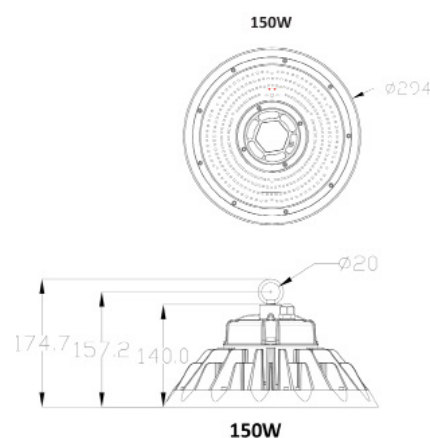
- Unique flat wheel form design.
- Bluetooth/microwave smart sensor.
- Patented ADC12 graded lightweight housing.
- Built in driver with 4kv surge protection.
- Optical glass over 90% light transmitting.
- 99.99% Gold wire 3030 led chip with low lumen decay
- IP65 driver with short circuit/over-flow/over-temperature/over-voltage 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



PTH/BM/SENSOR

BLUETOOTH MICROWAVE FIXTURE SENSOR

The sharkward bluetooth fixture sensor is designed for indoor applications with ceilings such as office, school. Integrated sensors capture data that is both processed locally and transmitted over the sharkward network, enabling a full suite of applications. In addition, the sensor supports bluetooth® low energy communication with tags and other BLE devices.

OVERVIEW:

The bluetooth fixture sensor is a complete sensing and lighting control node powered from its attached light fixture. Sensor information combined with a configurable behavior profile makes the fixture sensor an integral component of an intelligent lighting control and sensing solution. With integrated wireless communications for data transmission and remote configuration as well as autonomous fixture-level control, this sensor brings advanced lighting automation to a whole new level.



FEATURES AND BENEFITS:

Sharkward Fixture Sensor DLC: meet dlc 5.1 Networked lighting control system.

Localized Lighting Control: light-level schedules, preferences, and profiles for each fixture are wirelessly communicated at system setup and stored for continuous operation.

Bluetooth low energy: an embedded BLE radio allows the sensor to receive and transmit beacons as well as support communication with lighting control devices and other sensors.

Occupancy/Vacancy / Manual: a digital passive infrared (microwave sensor) sensor combined with ambient with 3 different modes as options.

Daylight Harvesting: captured ambient light information is locally processed to raise and lower light levels based on available daylight.

Room and Zone Control: pairs with room switches for code-compliant manual-on or auto-off capability. Sensors can be grouped into zones that share occupancy sensing data and coordinate light control based on detected motion.

TECHNICAL DATA

Motion Sensing:	Microwave sensor
Input Power:	12-24VDC,>50mA
Control Output:	0-1 OV,max 25mA sinking current
Mounting height:	40Ft(12m) Max.
Detection angle:	360°
Operating temperature:	- 20°C ~ 60°C
IP Rating:	65
Wireless Standards:	5.0 Bluetooth Mesh

ORDERING INFORMATION

PTH/BM/SENSOR
Bluetooth Fixture Sensor

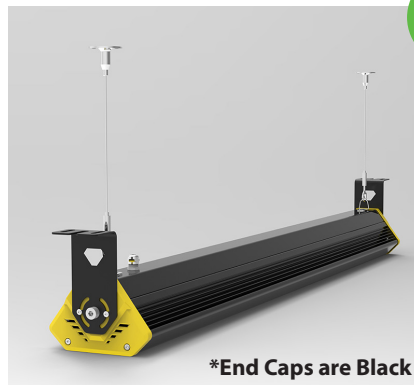
ECO LED Highbay

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

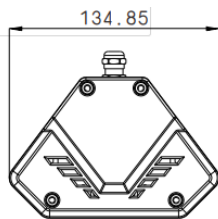
SPECIFICATIONS:

- 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: 529mm x W:134.85mm x H:90mm



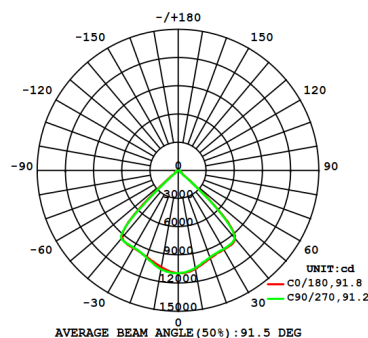
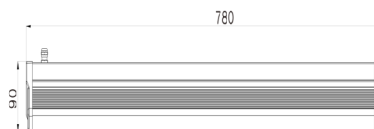
EXTRA:

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



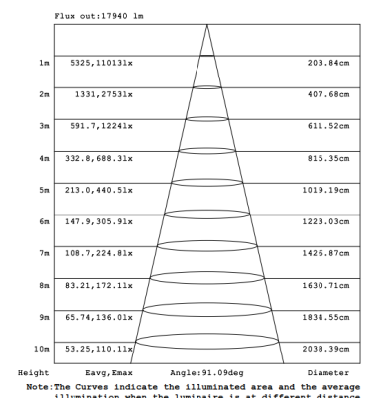
PTH/LIN150:

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: 780mm x W:134.85mm 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: 1131mm x W:134.85mm x H:90mm



- 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.

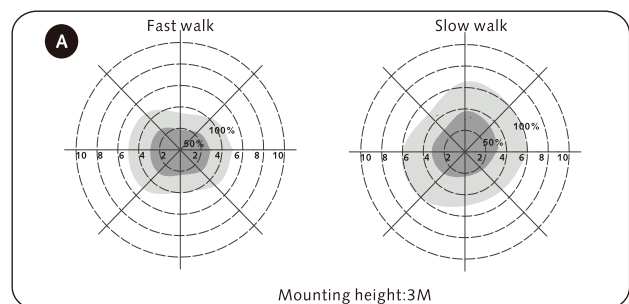
SPECIFICATIONS

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

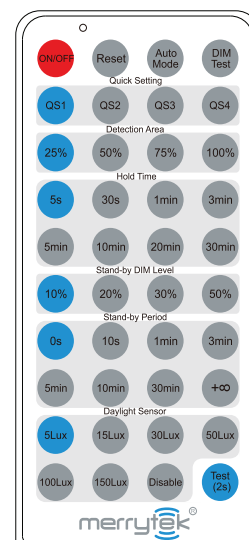
GENERAL GUIDELINES FOR INSTALLATION

- 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.

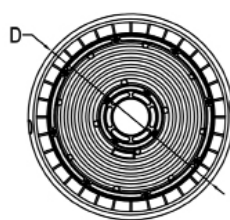
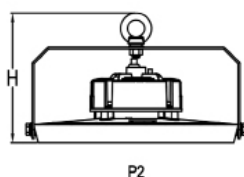
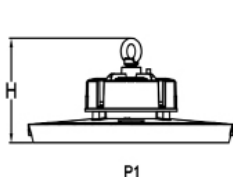
BRR/ R/ 100W/ 150W/ 200W

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

SPECIFICATION - 150W

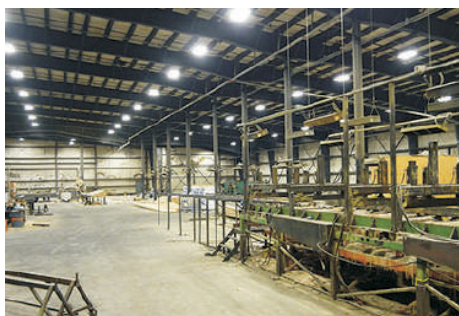
- AL1070 pure aluminium housing
- Operating temp: - 40°C ~ + 50°C
- IK10 strong protection, good optical function
- Lifespan: 50 000 hours / 5 years
- IP Rating IP65
- Input voltage: AC100 - 277V 50/60Hz
- Storage Temperature: - 40°C + 50°C
- Power: 150w
- 150Lm/w and over 90% energy saving
- Lumen: 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.

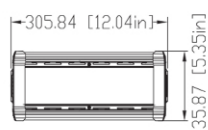
SPECIFICATIONS:

- 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



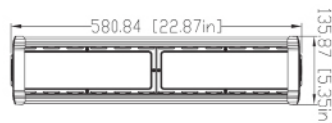
BRR/ LIN /50W:

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: 305.84mm x W:135.87mm



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: 580.84mm x W:135.87mm



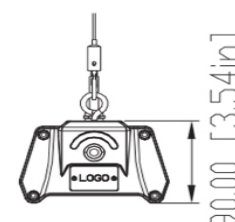
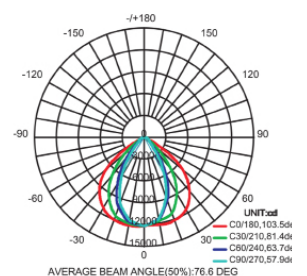
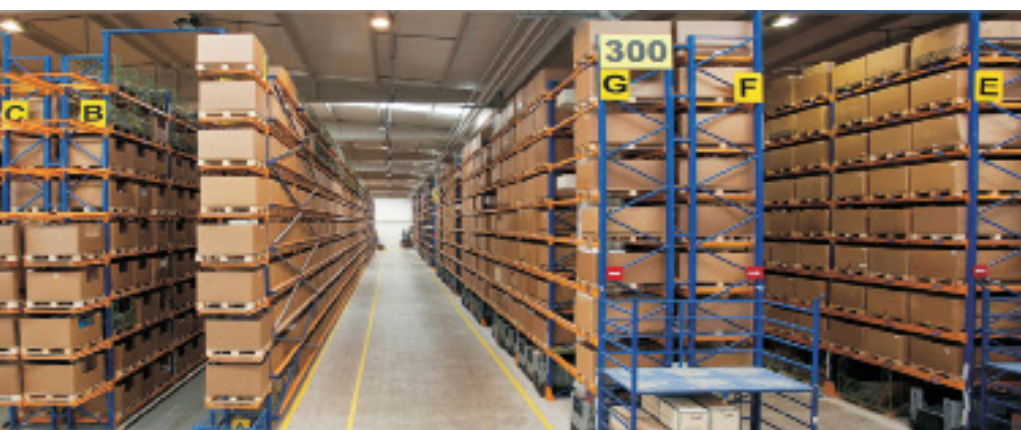
BRR/ LIN /150W:

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



BRR/ LIN /200W:

Power: 200W
 Beam Angles: 60° x 100°
 Light Efficiency: 150lm/W
 Leds & CRI: SMD 2835, >80
 Colour Temp: 4000K
 Lifespan: 50 000 Hours / 5 Years
 L: 1134.84mm x W:135.87mm



BRR/ LIN-2/ RANGE

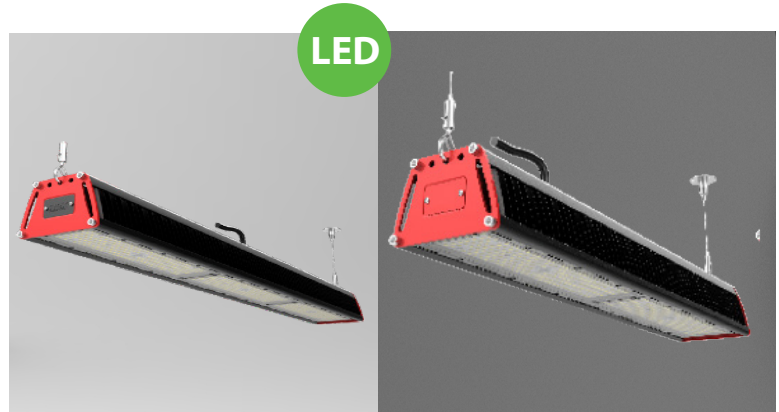
LED Horticulture Light

FEATURES:

- Suitable for greenhouse, tissueculture, plant factory.
- Power: Meanwell driver
- LEDs: Lumileds, Samsung, Osram
- Housing colour: 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 period: 5 year warranty
- IES files: Yes



BRR/ LIN-2/ 150W

Power: 150W
Beam Angles: 120°
Light Efficiency: 2.6 $\mu\text{mol}/\text{J}$
Colour Temp: 4000K
Lifespan: 50 000 Hours / 5 Years
L: 375mm x W:170mm
x H: 130 mm



150W

BRR/ LIN-2/ 300W

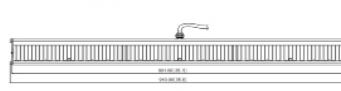
Power: 300W
Beam Angles: 120°
Light Efficiency: 2.6 $\mu\text{mol}/\text{J}$
Colour Temp: 4000K
Lifespan: 50 000 Hours / 5 Year
L: 670mm x W:170mm
x H: 130mm



300W

BRR/ LIN-2/ 450W

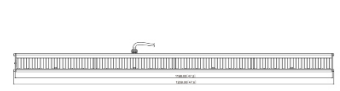
Power: 450W
Beam Angles: 120°
Light Efficiency: 2.6 $\mu\text{mol}/\text{J}$
Colour Temp: 4000K
Lifespan: 50 000 Hours / 5 Year
L: 970 mm x W:170mm x
H:130mm



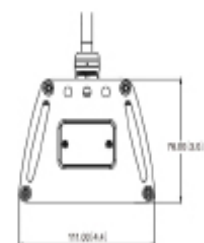
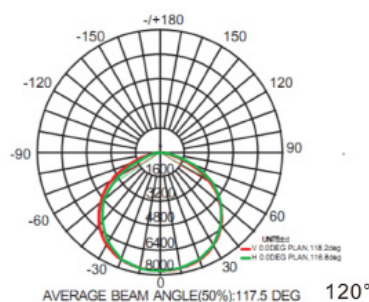
450W

BRR/ LIN-2/ 600W

Power: 600W
Beam Angles: 120°
Light Efficiency: 2.6 $\mu\text{mol}/\text{J}$
Colour Temp: 4000K
Lifespan: 50 000 Hours / 5 Year
L: 1265mm x W:170mm
x H:130mm



600W



LED Gas Station Light

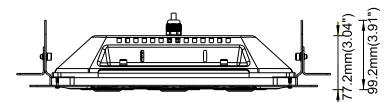
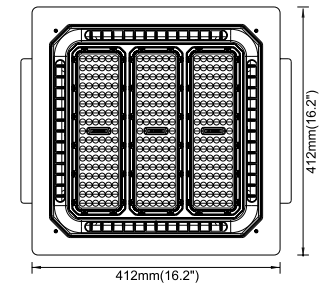
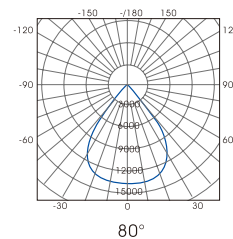
FEATURES:

- 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:

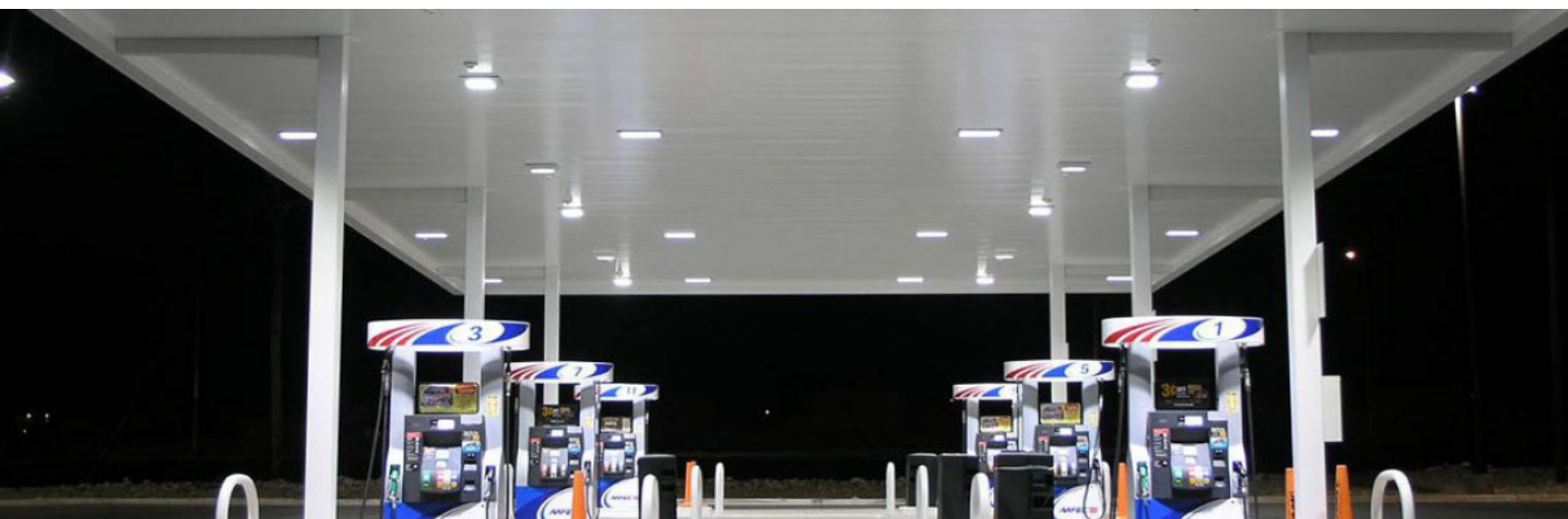
- ADC 12 Die-Cast Aluminium Alloy Housing
- IK10 strong protection, good optical function
- Life span: 50 000 Hours
- IP65 Water Resistant
- Operating temperature: - 20~ 50°C
- Storage temperature: - 40 ~ 60°C
- Mounting: Recessed or Surface Mount

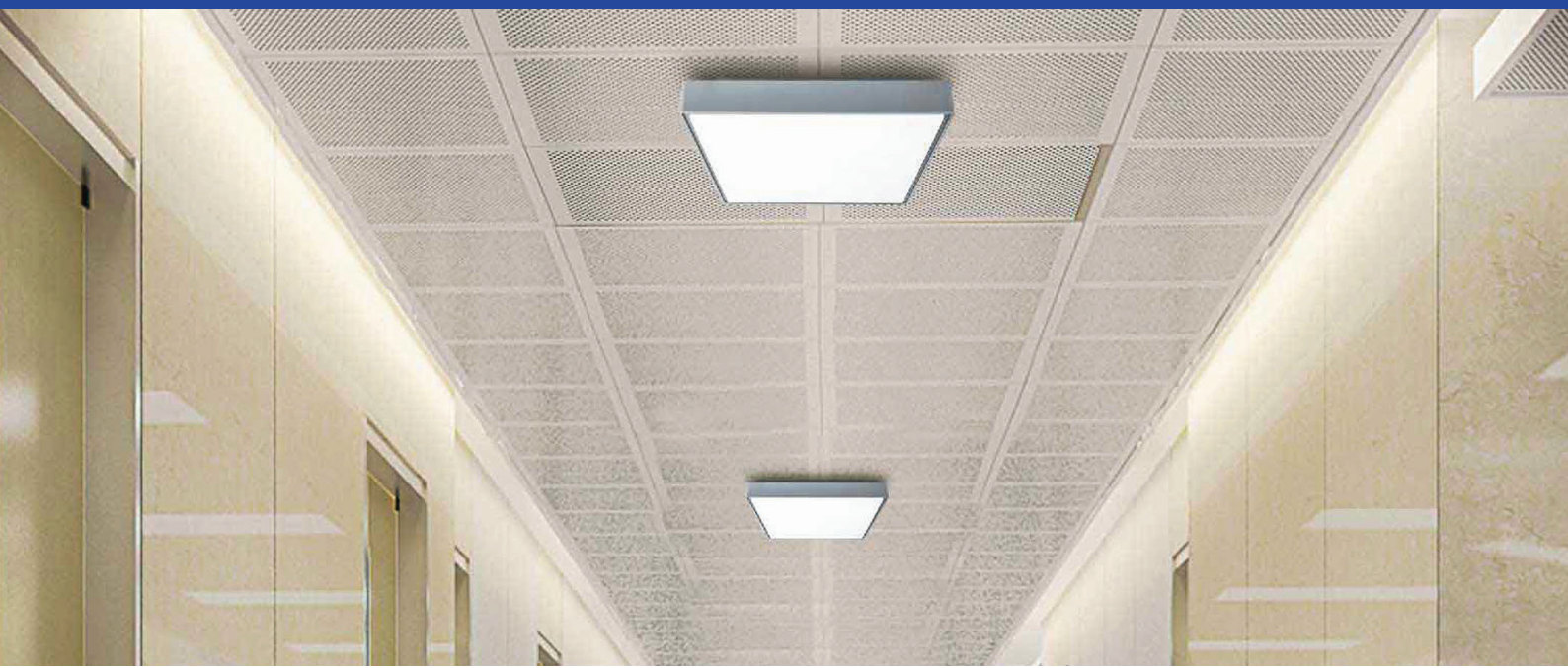
- Power: 150W
- Lumen: 20 250Lm (135lm/W)
- CCT: 4000K
- CRI: >70
- Beam Angle: 80°
- 5 Year Warranty
- IES Files: YES



OPTIONAL EXTRA:

BR/GS/S BRKT - Surface Mount Bracket

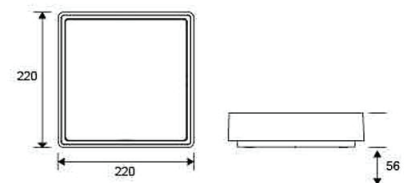




LED Indoor & Outdoor Light - Surface Mount
 UV Resistant & Corrosion Proof
 Colours: Grey & White
 220-240V ~ 50Hz
 CRI: >80
 Material: PC + ABS & PC Diffuser
 IP65
 Class II
 3000K/ 4000K / 6000K
 25 000hrs

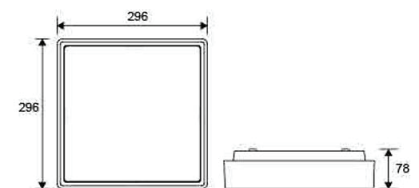
LGW2201/3CCT

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



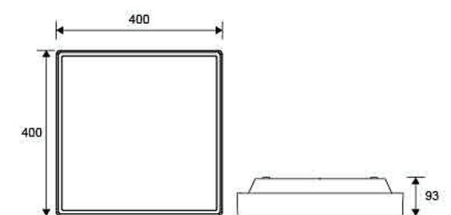
LGW3301/3CCT

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



LGW4001/3CCT

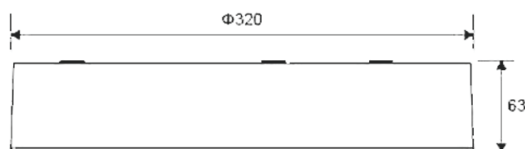
20 Watt
 1600 Lumen
 Length: 400mm
 Width: 400mm
 Depth: 93mm



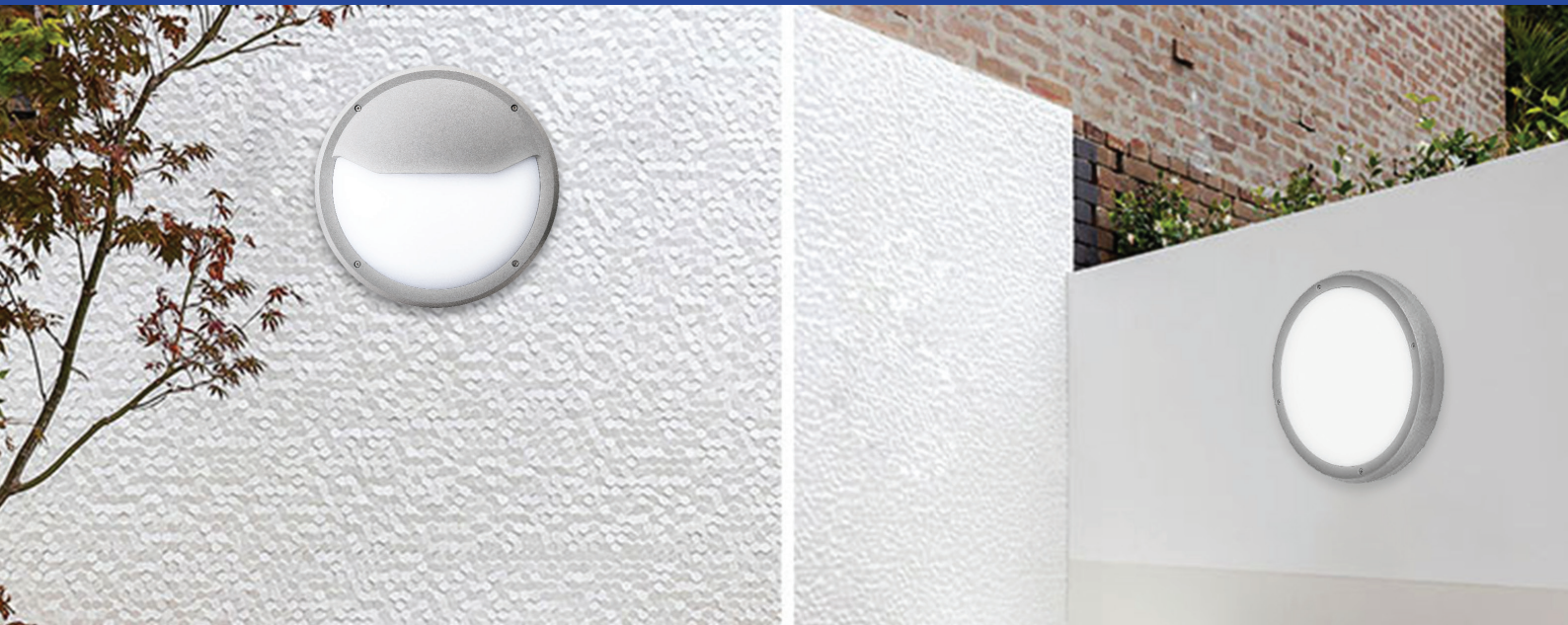


LGW3201/ 3CCT

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
 25 000hrs



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

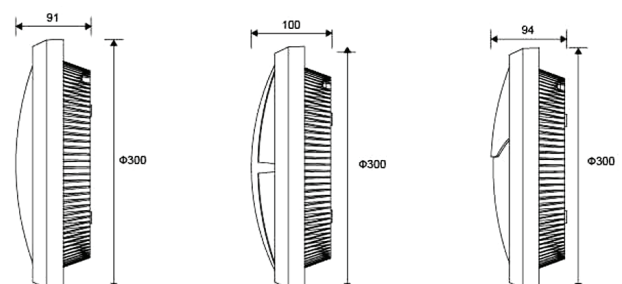
14 Watt
 1150 Lumen
 Diameter: 300mm
 Depth: 91mm

LGW3002 - GRID

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

LGW3003 - EYELID

14 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: White, Grey & Black
 220-240V ~ 50Hz
 CRI: >80
 Material: PC + ABS & PC Diffuser
 IP65
 Class II
 1300 Lumen
 4000K or 3000K
 13 Watt
 Length: 220mm
 Width: 220mm
 Depth: 60mm





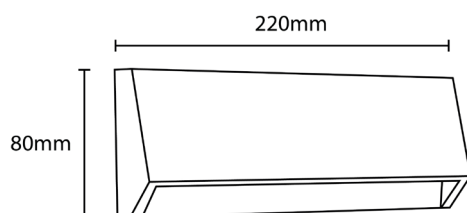
LGW7201

LED Outdoor Half Lantern
UV Resistant & Corrosion Proof
Colours: Black & White
220-240V AC ~ 50/60Hz
4000K
IP65
9W
D: 135mm x W: 263mm x
H: 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
W: 220mm x H: 80mm





LGW2582

LED footlight Surface Mount

Available in Black & White

ABS+PC Material

PC Diffuser

UV Resistant

Non Corrosive

220-240V

Class II

IP65

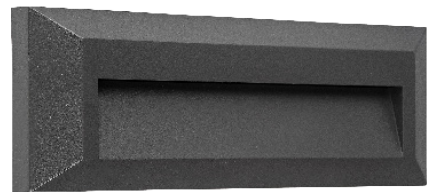
35pcs 2835 SMD LED

80Lm

4000K

2W

W: 230mm x H: 80mm x D: 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

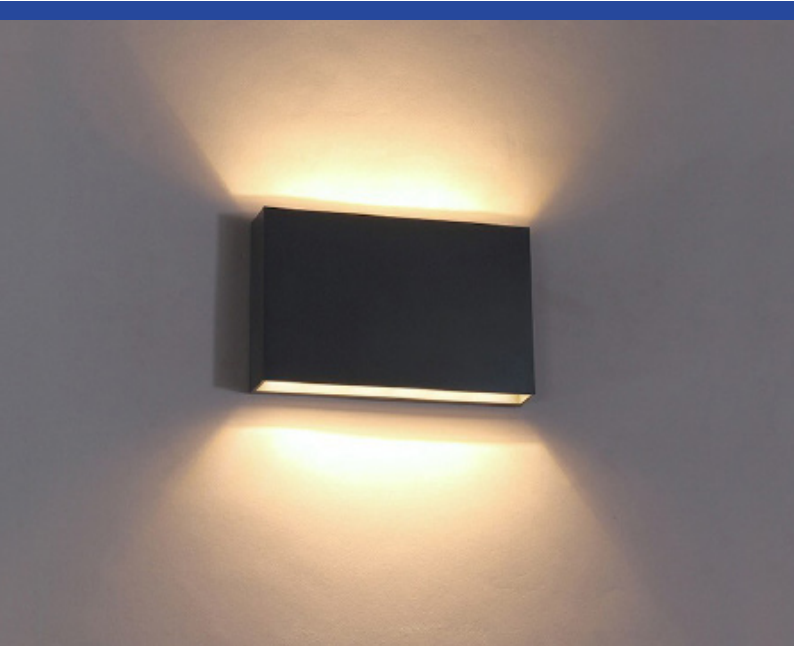
4000K

4W

W: 230mm x H: 80mm x D: 27mm



LED



LGW2040

Up & Down LED Wall Light

ABS+PC Material

PC Diffuser

UV Resistant

Non Corrosive

220-240V

Class II

IP65

Black & White

12pcs 2835 SMD LED

700Lm

3000K or 4000K

12W

W: 200mm x D: 39mm x H: 125mm



LED

LGW2401

Down LED Wall Light

ABS+PC Material

PC Diffuser

UV Resistant

Non Corrosive

220-240V

Class II

IP65

Black & White

12pcs 2835 SMD LED

480Lm

3000K or 4000K

6W

W: 240mm x D: 41mm x H: 80mm

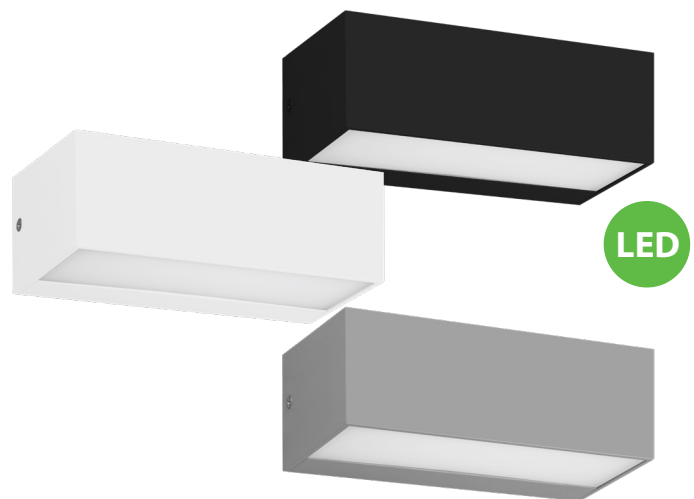


LED



LGW2300/ 3CCT

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



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
L: 220mm x W: 113mm x D: 51mm





LWA0709

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



Black White

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



Black White

LWA0708

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



Black White

LWA0710

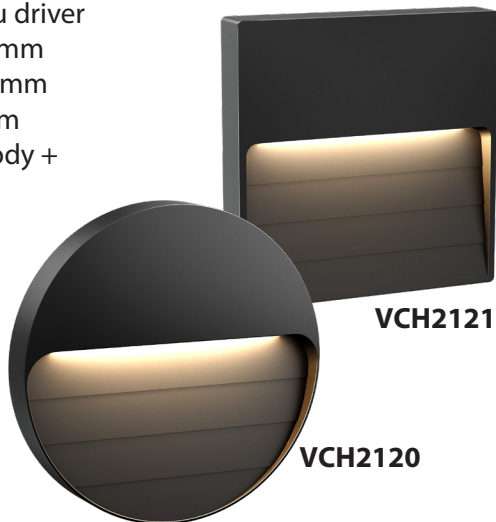
Wall Light
Available in Black & White
IP65 - E27
Max 5W LED
Aluminium
Die-Cast Body
Width: 200mm
Depth: 200mm
Diameter: 200mm
Suitable for LED Lamps
Excludes Lamp



Black White

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: 220mm
Length: 220mm
Width: 35mm
PC & ABS Body +
PC diffuser



VCH2121

VCH2120

VCH2122 & VCH2123

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



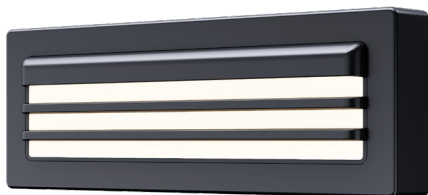
VCH2122



VCH2123

VCH2124

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



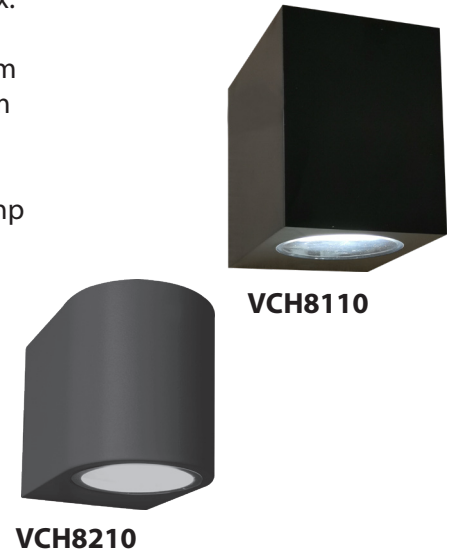
VCH8111 & VCH8211

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



VCH8110 & VCH8210

Wall Light
Available in Black
Two Side Wall Light
Class II, IP54
2 x GU10 Max.
4W LED
Height: 81mm
Depth: 58mm
Width: 92mm
ABS Material
Excludes Lamp



VCH6410

Wall Light
Available in Black
AC220-240V ~ 50Hz
Class II, IP44,
E27 Max 60W LED
Height: 350mm
Depth: 100mm
Width: 170mm
PC Body + diffuser
Suitable for E27 LED
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

LED

Body and frame made from high pressure die-cast Marine Grade Aluminium (LM6).
 Frame is secured with stainless steel Allen cap screws into helicoils.
 Diffuser is injection moulded from BASF Makrolon 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

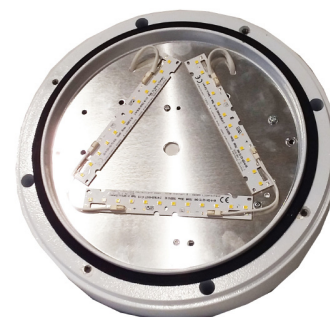
Specifications - 20W Bulkhead

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 helicoils.
Diffuser is injection moulded from BASF makrolon 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



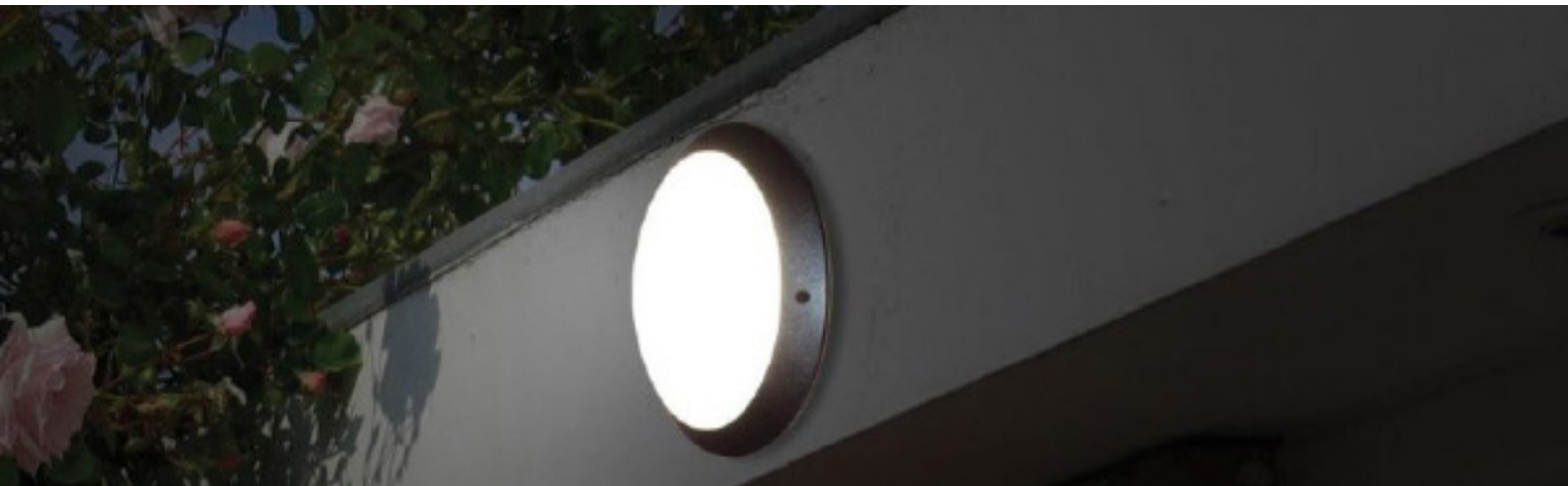
KAT207

Plain Bulkhead - Round
White
18W LED - 4000K
1 x LED Driver
Polycarbonate Diffuser
Polycarbonate Base
IP65
CRI >80°
Diameter: 235mm
Depth: 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°
Diameter: 235mm
Depth: 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 LED
Polycarbonate Diffuser
Die-cast Aluminium
IP54
Length: 218mm
Width: 134mm
Depth: 67mm



GTL256

Plain Bulkhead - Rectangular
Black
1 x E27 LED
Polycarbonate Diffuser
Die-cast Aluminium
IP54
Length: 278mm
Width: 183mm
Depth: 80mm



GTL259

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

Suitable 9W
LED



GTL260

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

Suitable 9W
LED



GTL261

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

Suitable 9W
LED



GTL269

Square Bulkhead
1 x E27 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
Diameter: 280mm
Depth: 105mm

Suitable 9W
LED



GTL262

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



GTL265

1 x E27 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: 1440Lm, IP54
Diameter: 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 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 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 LED
IP66
Black, White or Silver
Dia:300mm x D:100mm



FH206

Polycarbonate Outdoor Bulkhead
Non Corrosive
Square Plain
3 x E27 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





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 - Black **SXX400/25 - White**

BULKHEAD LED ROUND PLAIN
5700K, 4000K or 3000K - 3CCT
Available in Black & White
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 - Black **SXXX410/25 - White**

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

SXX401/04 - Black **SXX401/25- White**

BULKHEAD LED ROUND EYELID
5700K, 4000K or 3000K - 3CCT
Available in Black & White
18W LED
220~240V - 50Hz
Polycarbonate Body with Opal Diffuser
Lifespan: 50 000Hrs
IP65, IK10
Diameter: 275mm
Height: 59mm
1780Lm +/- 5%
Outdoor: Bulkhead wall
Indoor: Bulkhead wall





GTL276 & GTL277

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



GTL291 & GTL292

GTL292 - Black
 GTL291 - Silver
 2 x E27 LED
 Modern rectangular bulkhead
 Durable powder coated die-cast aluminium
 Energy saving LED compatible
 Polycarbonate diffuser
 IP54
 240V
 Width: 178mm
 Length: 286mm
 Depth: 93mm





GTL344 & GTL346

OUTDOOR WALL LANTERN 3 PANEL

Black / White

1 x E27

230v Max 60W

50/60Hz - IP44

Aluminium die-cast body with Clear Glass

Height: 310mm

Depth: 135mm

Width: 202mm

GTL345

OUTDOOR WALL LANTERN 3 PANEL

Black

2 x E27

AC 220-240V Max 60W

50/60Hz - IP44

Aluminium die-cast body with Clear Glass

Height: 229mm

Depth: 127mm

Width: 208mm



Black White

GTL344 - BLACK
GTL346 - WHITE

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



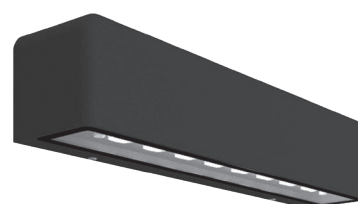
UH101306

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



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



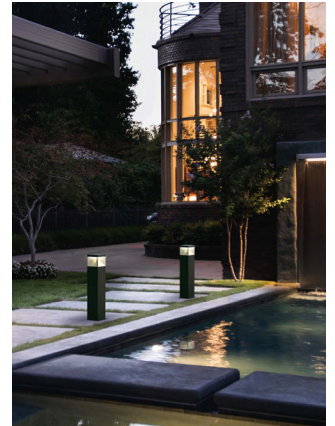
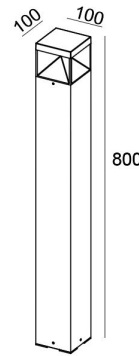
UH115123

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



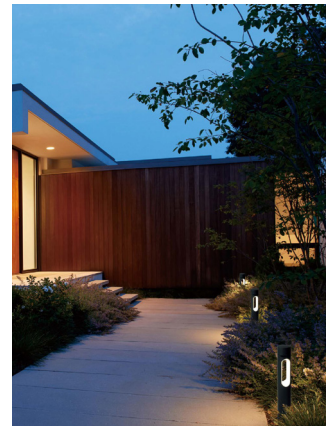
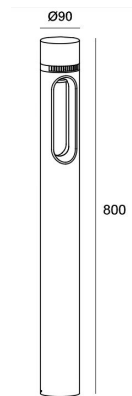
UH106340

Outdoor bollard - black
Aluminium body with opal pc diffuser
18W COB LED 1350lm / 4000K & 3000K
Eaglerise driver included
Class I
IP65
Width: 100mm
Height: 800mm
Depth: 100mm



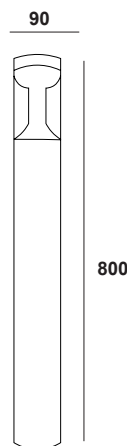
UH115102

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
AC220-240V
Class I
PC diffuser
IP65
Diameter: 90mm
Height: 800mm



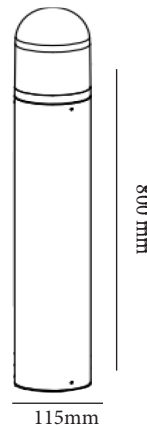
GTL810

Outdoor bollard - black
12W LED
4000K
Die-cast aluminium body
220-240V AC
Class I
PC diffuser
IP65
Diameter: 118mm
Height: 800mm



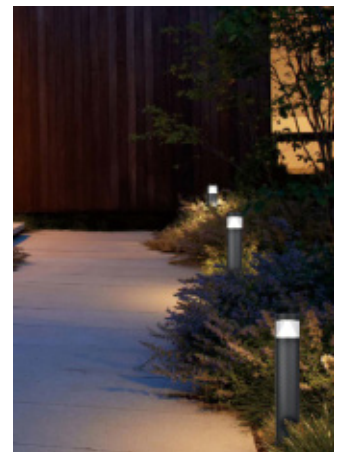
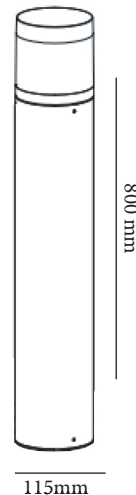
GTL811

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



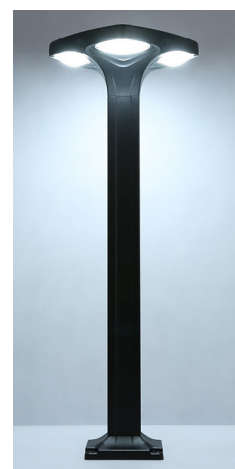
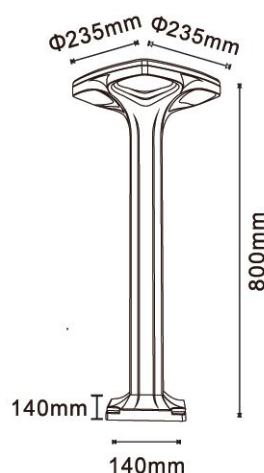
LLY1066 - Bollard

Power: 10W
 LEDs: 20pcs* Everlight 2835 LED
 Colour temperature: 3000K & 4000K
 Brightness: 496.1Lm
 Class: I
 IP65
 110 - 240V/ 50Hz
 Die-cast aluminium housing
 Extruded aluminium pole
 Opal PC lens
 Dimension: D140mm x H800mm



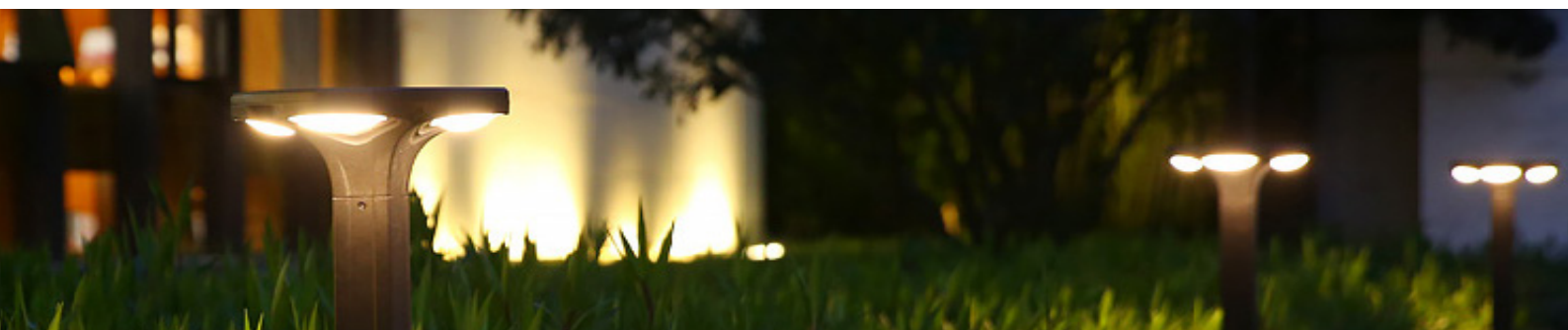
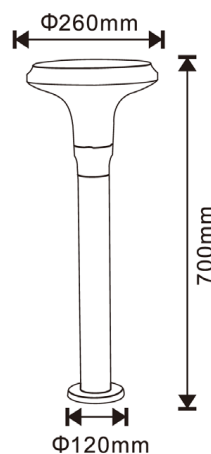
SBE400 - Solar Bollard

Power: 5W
 LEDs: 40pcs* SMD2835
 Colour temperature: 3000K
 Brightness: 500lm
 Solar panel: Mono-5w/5v
 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
 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: 3 years (inc. Battery)

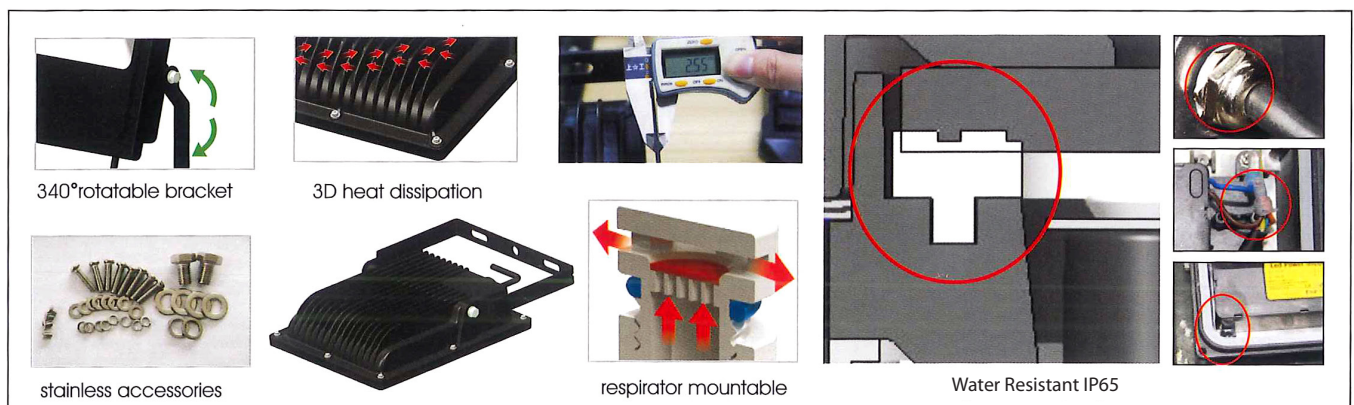


FEATURES:

- 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
- IP Rating: IP66
- Lifespan: 50 000 hours/ 5 years
- Operating temperature: - 20~ 50°C
- Storage temperature: - 40 ~ 60°C
- Power: 100W
- Power input: 100~240VAC
- Lumen: 12000-13000LM
- CCT: 4000K
- CRI :>0.95
- Beam angle: 120°
- IES files: Yes

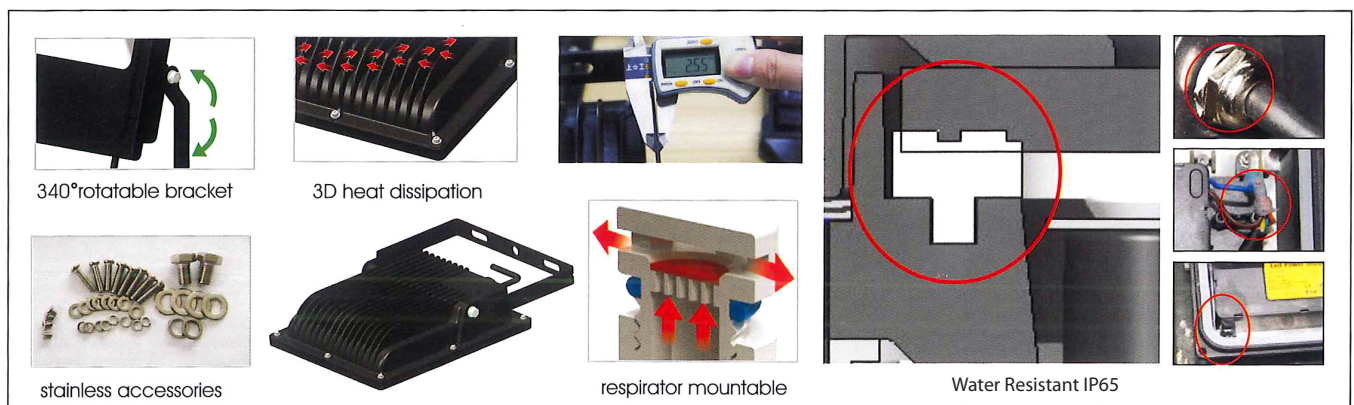


FEATURES:

- 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
- IP Rating: IP66
- Lifespan: 50 000 hours/ 5 years
- Operating temperature: - 20 ~ 50°C
- Storage temperature: - 40 ~ 60°C
- Power: 150W
- Power input: 100 ~240VAC
- Lumen: 18900-20400LM
- CCT: 4000K
- CRI: >0.95
- Beam angle: 120°
- IES files: Yes

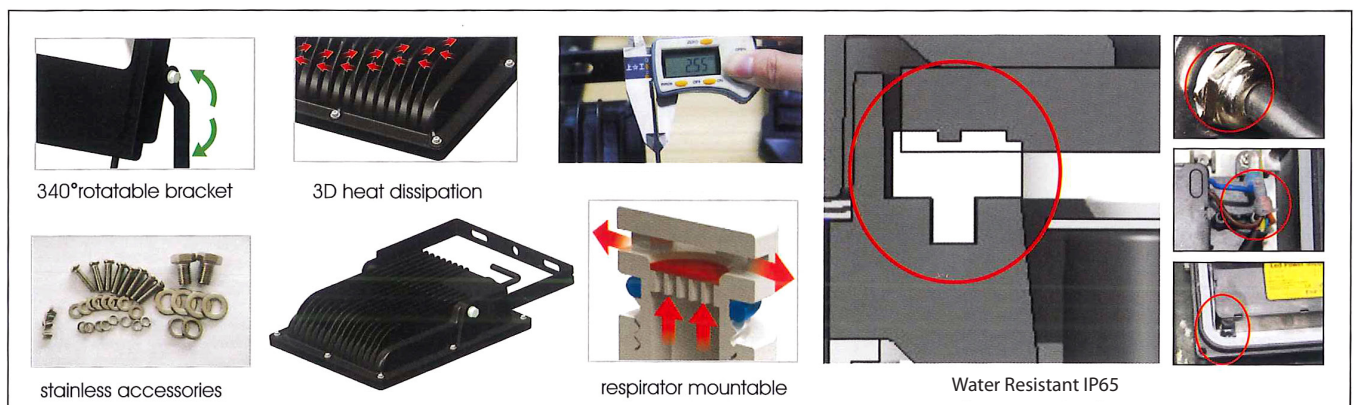


FEATURES:

- 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
- IP rating: IP66
- Lifespan: 50 000 hours/ 15 Years
- Operating temperature: - 20 ~ 50°C
- Storage temperature: - 40 ~ 60°C
- Power: 200W
- Power input: 100 ~ 240VAC
- Lumen: 24000-26000lm
- CCT: 4000K
- CRI: >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-cast Body
20 000 Hours/ 2 Years



COMPOSITE LED FLOODLIGHTS

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

ZLT300

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

ZLT302

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

APPLICATION

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

ZLT303

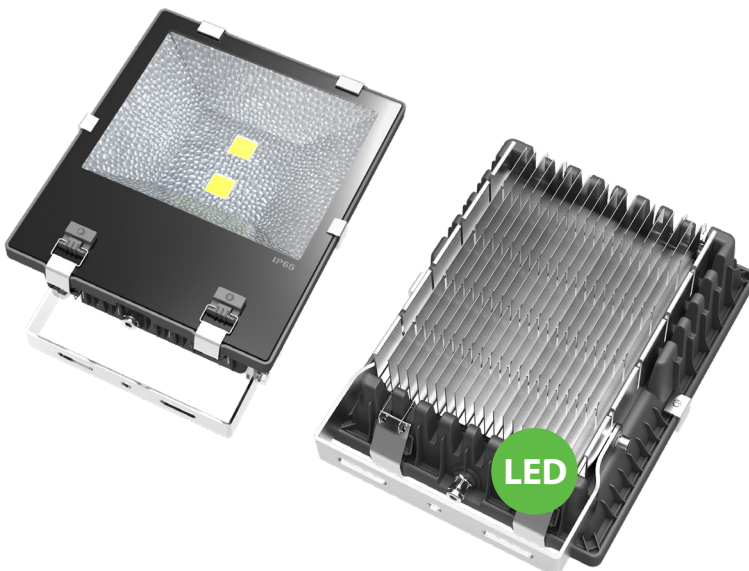
Power: 30W
Voltage Input: AC 85-265V
Luminous Efficiency: 90 lm/W
CCT: 4000K
IP65
CRI: >80
Lumen: 2700lm
Dimension: 178mm x 215mm x 81mm
Life hours: 50 000Hrs / 5 Years
Done Driver

ZLT304

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

ZLT306

Power: 120W
Voltage Input: AC 85-265V
Luminous Efficiency: 110 lm/W
CCT: 4000K
IP65
CRI: >80
Lumen: 14 400lm
Dimension: 310mm x 320mm x 93mm
Life hours: 50 000Hrs / 5 Years
Meanwell Driver





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 PC 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 PC 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 PC 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

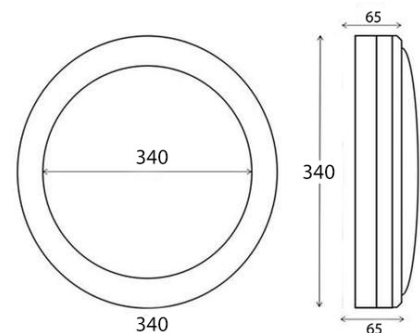
CRI >80

3 Step Dimming (100% - 45% -10%).

White PC 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 Colour: 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



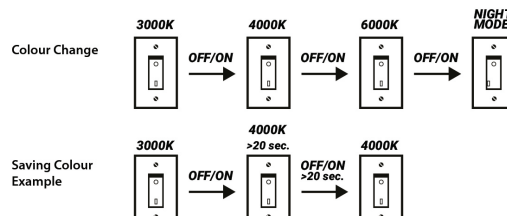
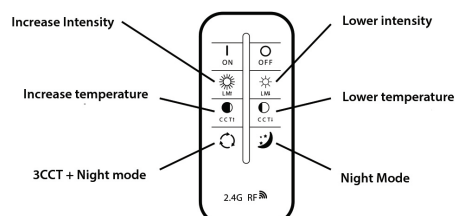
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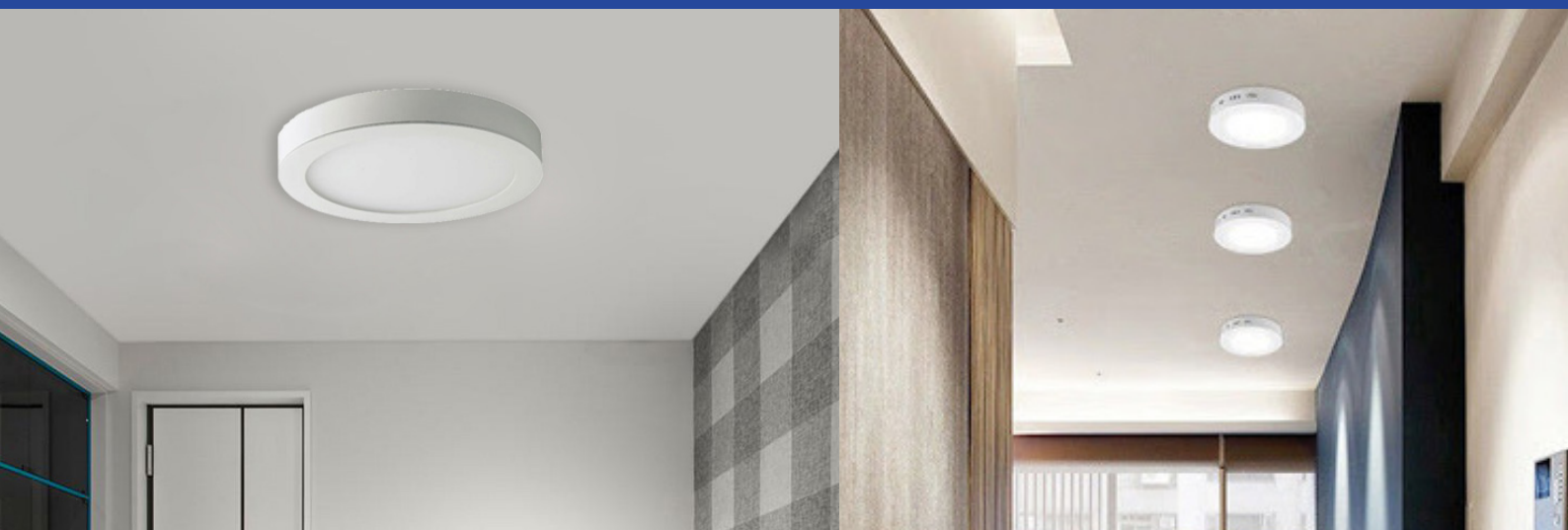
Interior of Homes

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 rim colour. 3CCT Modes: Dip Switch, Push to fit, drag to detach, no screws needed.

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

SHL101

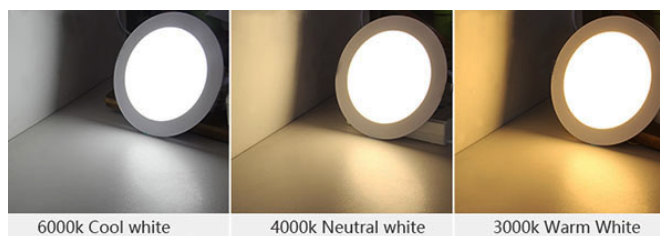
Wattage: 6W
CCT: 3CCT (3000K, 4000K, 6000K)
Luminous Flux: 85Lm/W
Beam Angle: 110°
Average Lifespan: 30000Hrs
Dimmable: No
IP Rating: IP20

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: 30000Hrs
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 rim colour. 3CCT Modes: Dip Switch. Push to fit, drag to detach, no screws needed.

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

SHL103

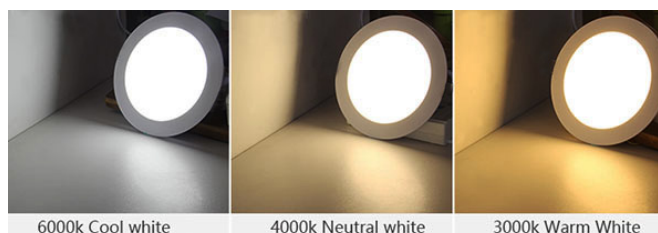
Wattage: 18W
CCT: 3CCT (3000K, 4000K, 6000K)
Luminous Flux: 85Lm/W
Beam Angle: 110°
Average Lifespan: 30000Hrs
Dimmable: No
IP Rating: IP20

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: 30000Hrs
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 rim colour. 3CCT Modes: Dip Switch Push to fit, drag to detach, no screws needed.

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

SHL107

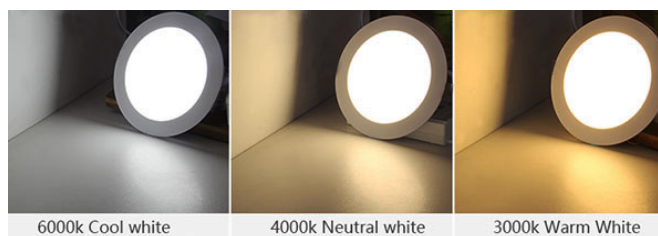
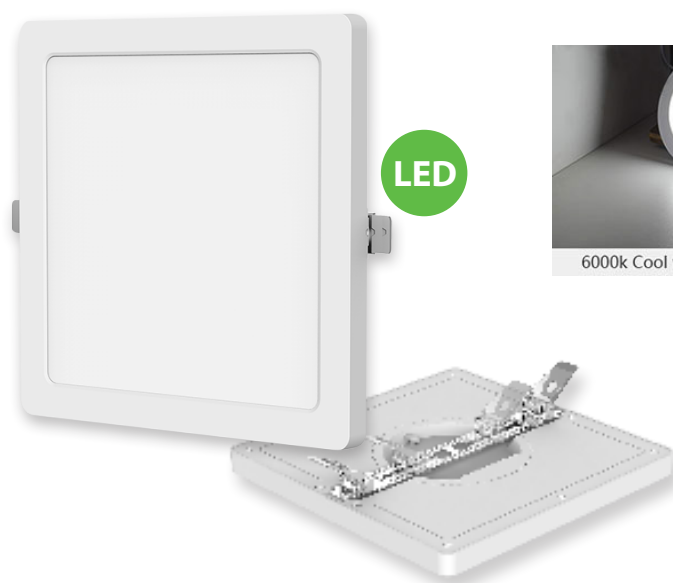
Wattage: 18W
CCT: 3CCT (3000K, 4000K, 6000K)
Luminous Flux: 85Lm/W
Beam Angle: 110°
Average Lifespan: 30000Hrs
Dimmable: No
IP Rating: IP20

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

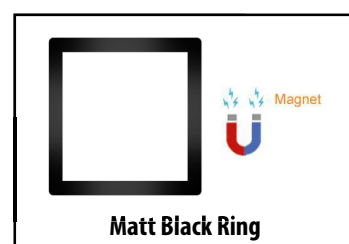
SHL108

Wattage: 24W
CCT: 3CCT (3000K, 4000K, 6000K)
Luminous Flux: 85Lm/W
Beam Angle: 110°
Average Lifespan: 30000Hrs
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

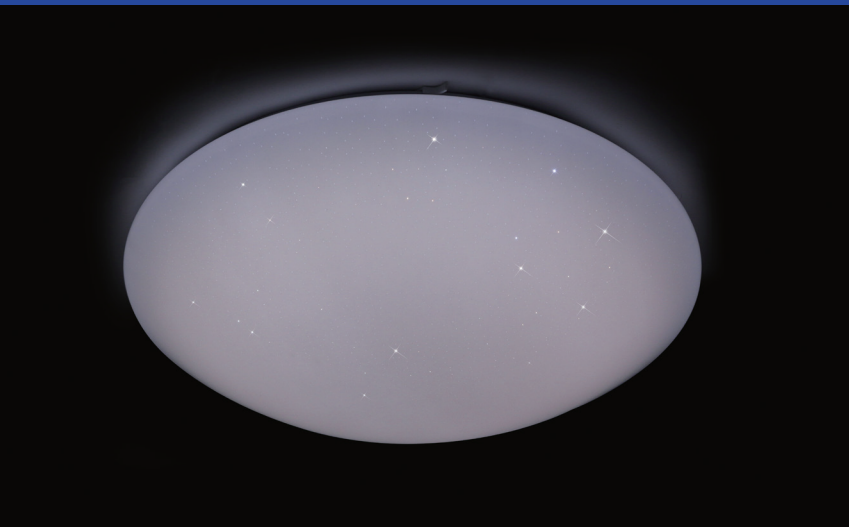
GPX1351

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

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

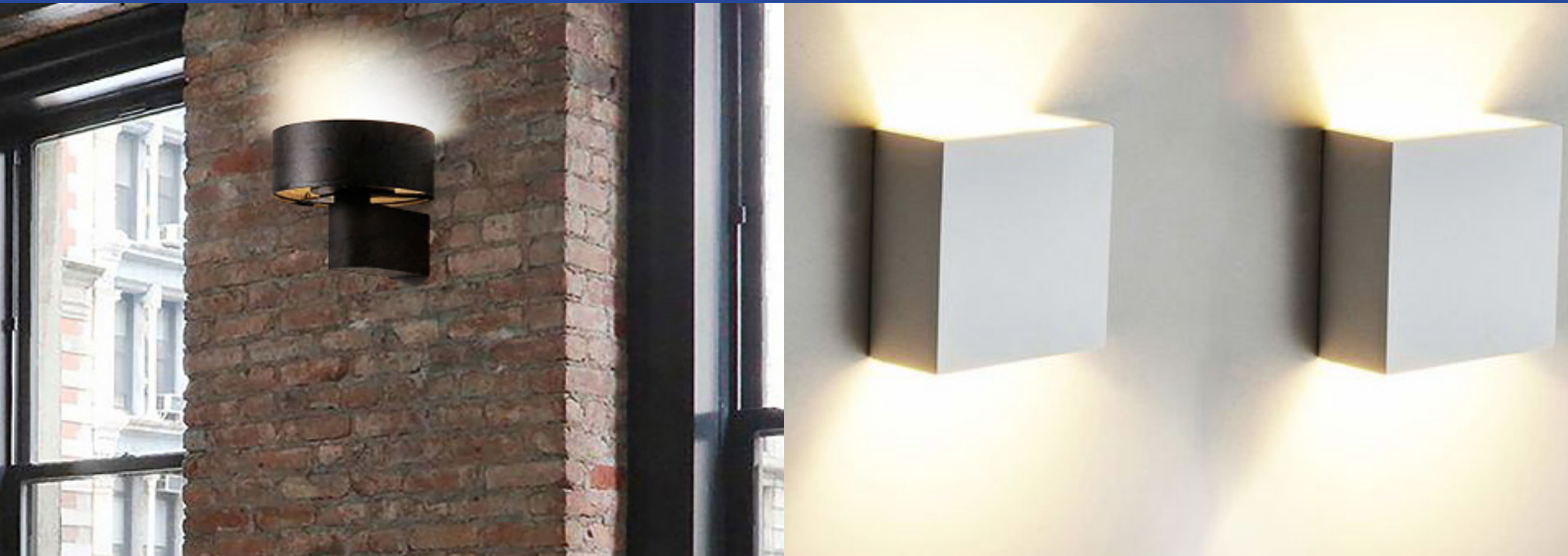
GPX1352

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





KD107/30

Wall Light
Available in Black & White
AC 85-265V ~ 50/60Hz
CRI>80, IP20, 600LM
3000K
Beam Angle: 21°
7W, COB
On-Off Switch
Height: 100mm
Depth: 100mm
Width: 100mm
Aluminum Alloy Body



LWA297-04

Wall Light
Available in Sand Black
CRI>80, IP20, 600LM
3000K
Aluminium Powder coated
Beam - Acrylic Diffuser
6W LED
Height: 127mm
Depth: 164mm
Diameter: 148mm
Wall Mounted - Indoor Only





KD170/30

Wall Light Recessed
Available in Black, White & Satin Brass
AC 85-265V ~50/60Hz
CRI>80 IP20
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
CRI>80, IP20
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
CRI>80, IP20
3000K
3 Watt LED
Depth: 30mm
Length: 120mm
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
CRI>80, IP20
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



KD140/30/25

Wall Light
Available in White
AC 85-265V ~ 50/60Hz
CRI>80, IP20
3000K
3 + 8Watt, Adjustable
2PCS On-Off Switch
Back Light
Height: 140mm
Depth: 68mm
Width: 140mm
Aluminum Alloy Body



KD173/30/25

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

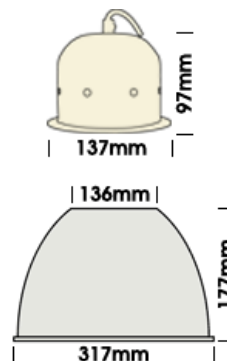


PEN1041

Acrylic Pendant Fitting
Aluminium cap
Clear Acrylic Diffuser - 317mm
E27 - 220/230V 50Hz

Parts:

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



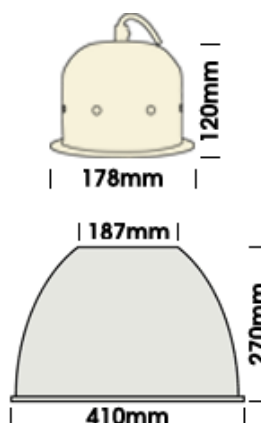
*When using Acrylic Bottom Covers - Only use LED lamp types

PEN1042

Acrylic Pendant Fitting
Aluminium cap
Clear Acrylic Diffuser - 410mm
E27 - 220/230V 50Hz

Parts:

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



*When using Acrylic Bottom Covers - Only use 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



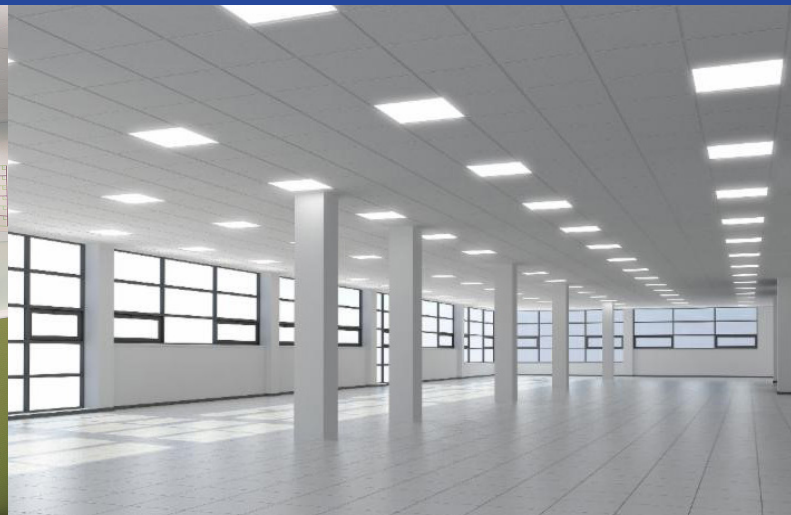
PAL224

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 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%: 3175-4150Lm

Lumens per Watt: 88-92Lm

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)

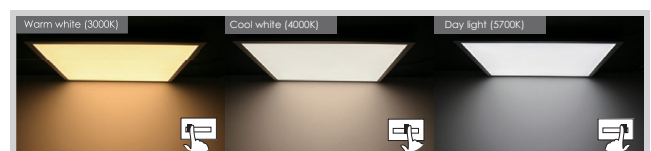
Average Lifetime: 50 000Hr

Operating Temperature: -20°C ~ 45°C

Storage Temperature: -20°C ~ 65°C

Extra Available: WXX020 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 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%: 5290-6570Lm

Lumens per Watt: 88-92Lm

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)

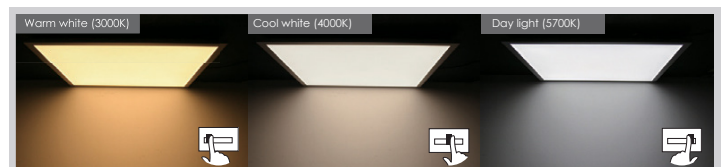
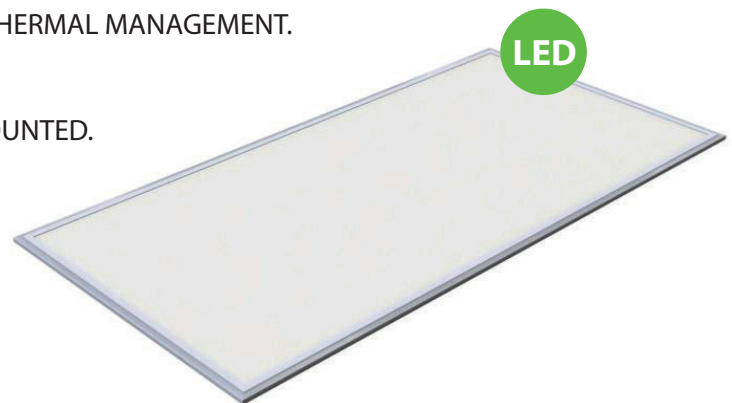
Average Lifetime: 50 000Hr

Operating Temperature: -20°C ~ 45°C

Storage Temperature: -20°C ~ 65°C

Extra Available: WXX021 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 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

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)

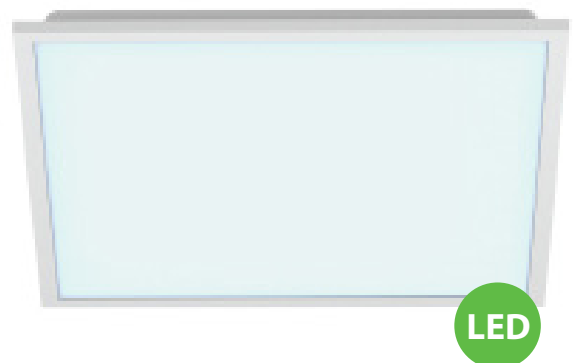
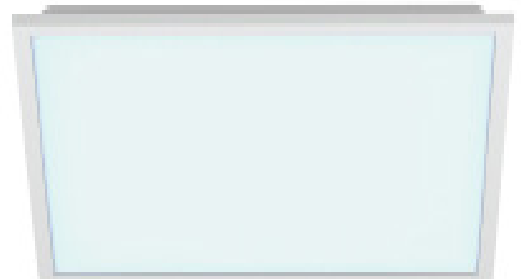
Average Lifetime: 50 000Hr

Operating Temperature: -10°C ~ 40°C

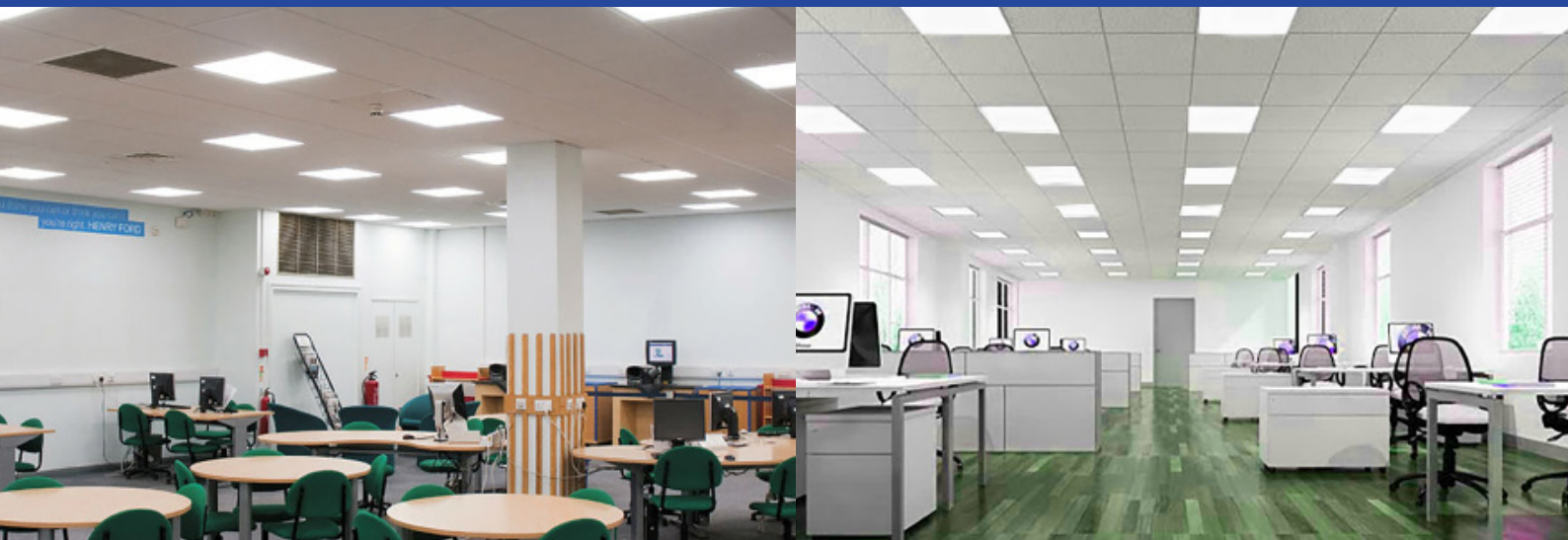
Storage Temperature: -20°C ~ 65°C

Extra Available: WXX020 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 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)

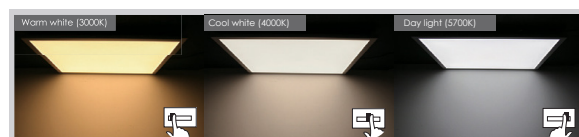
Average Lifetime: 50 000Hr

Operating Temperature: -10°C ~ 40°C

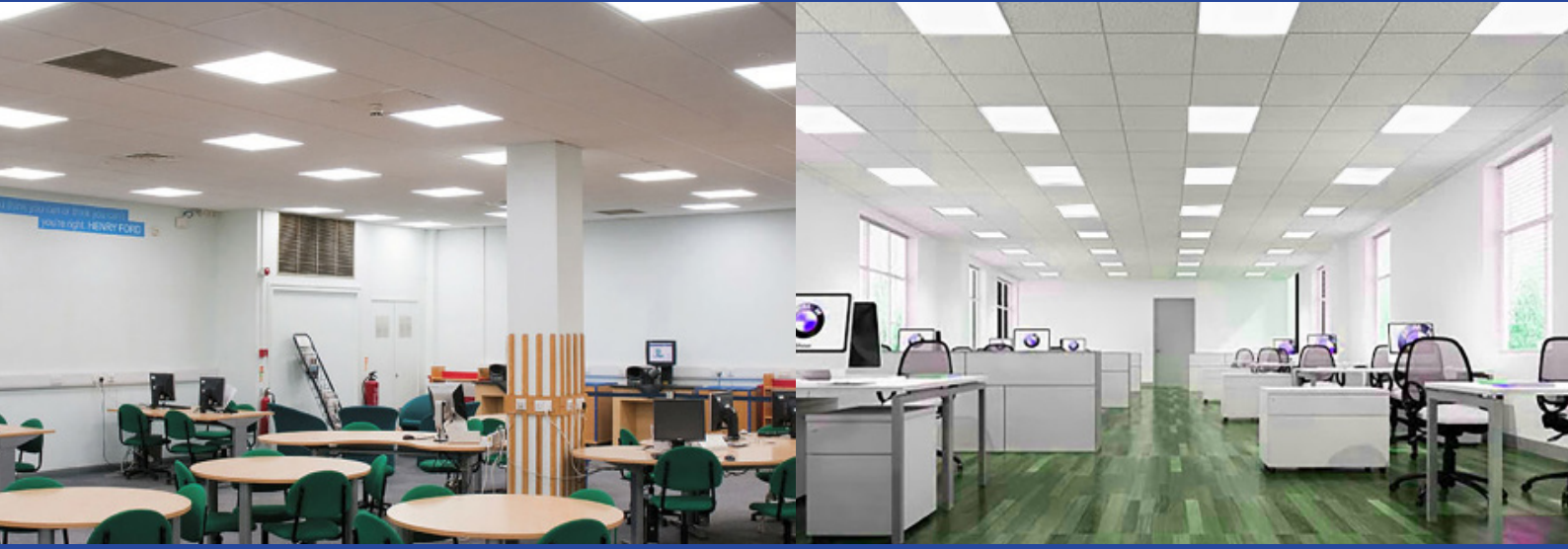
Storage Temperature: -20°C ~ 65°C

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.

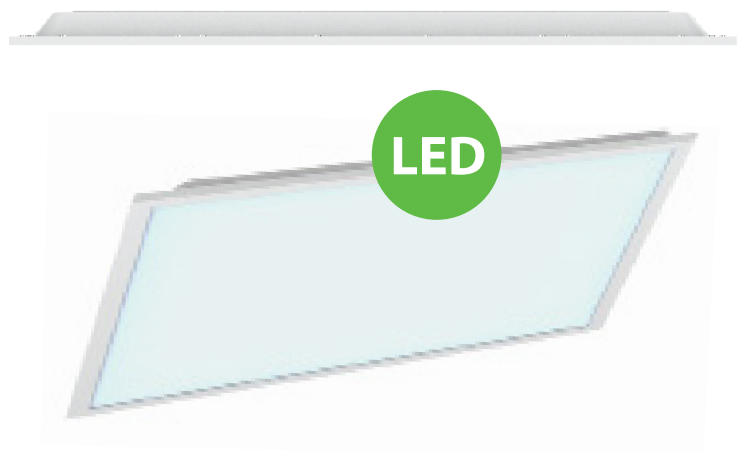
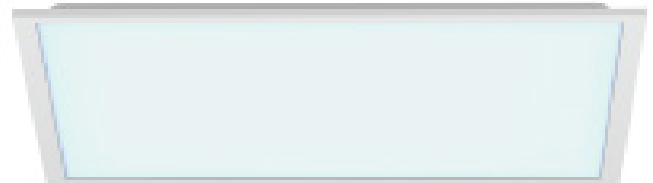


WXX462 - 4000K LED PANEL - 60W Non Dimmable

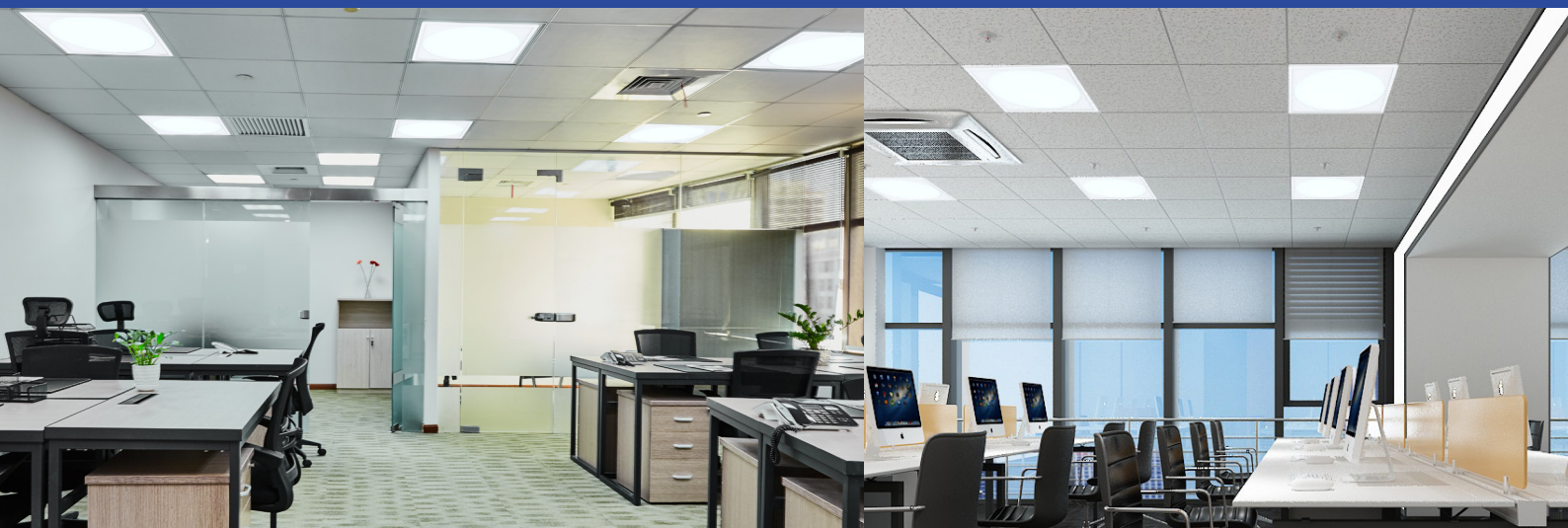
Length: 1195mm
Width: 595mm
Depth: 32mm

- UNIFORM LIGHT EFFECT WITH OPTIC LENS.
- INTEGRATED IRON PLATE DESIGN PROVIDES EXCELLENT THERMAL MANAGEMENT.
- CONCISE DESIGN OFFERS HIGH 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: WXX021 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

Colour: Black or White Option

Operation Temperature: : -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)

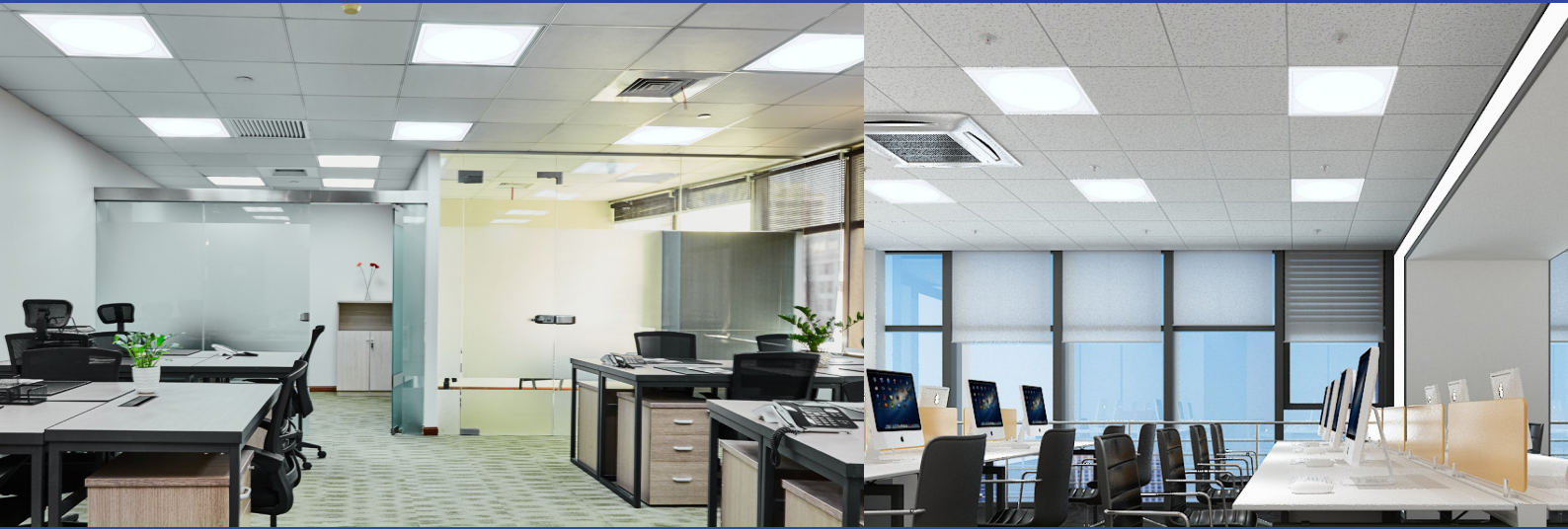
Finishing Colour: Black or White Option

Warranty: 5 Years

IES Files: Yes



Black White



WXX437/3CCT CIRCULAR PANEL - 36W

Non Dimmable

Length: 595mm

Width: 595mm

Depth: 32mm

Dimmable: No

Operation Temperature: $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$

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($^{\circ}$): 120°

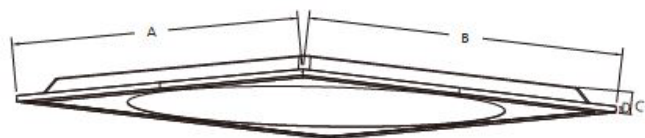
Materials of Optics: PMMA(Lens) + PS(Diffuser)

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 Temperature: -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°

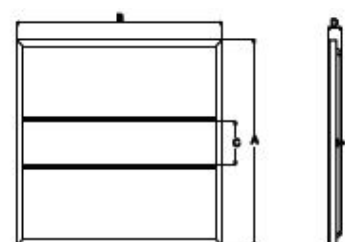
Materials of Optics: PMMA(Lens) + PS(Diffuser)

Materials of Housing: Aluminium (Frame)

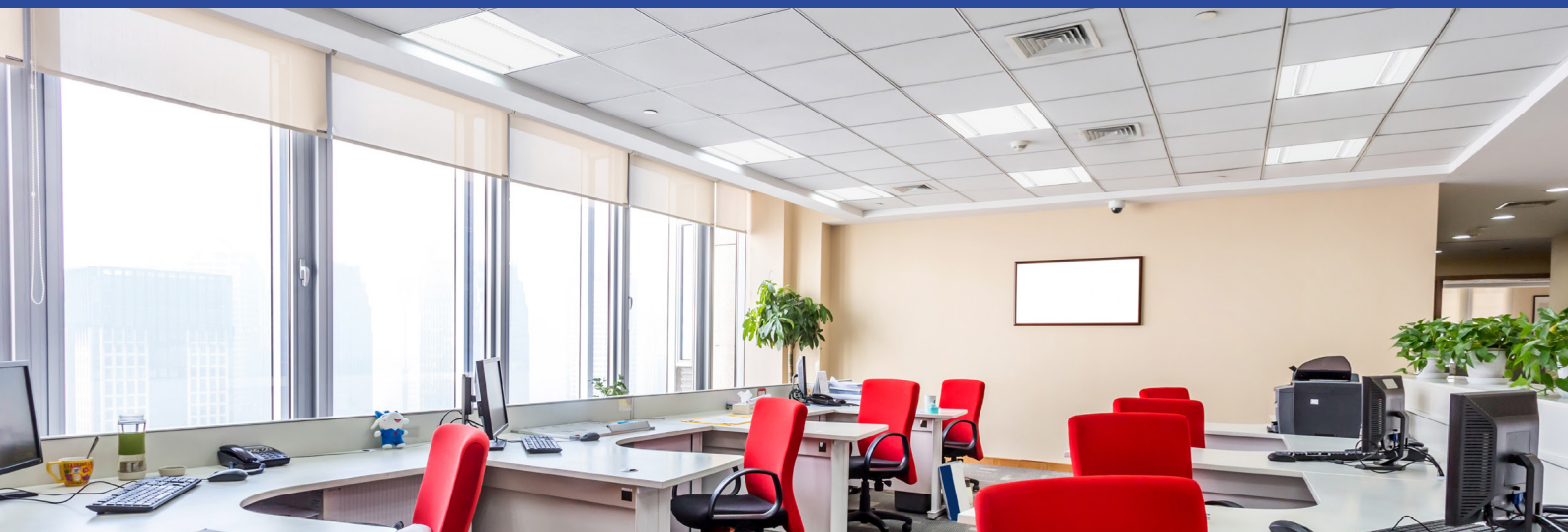
Finishing Colour: White

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 Temperature: -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

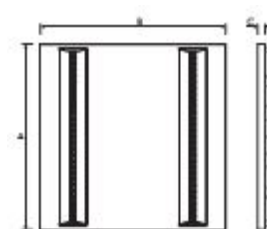
Beam Angle(°): 80°

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.

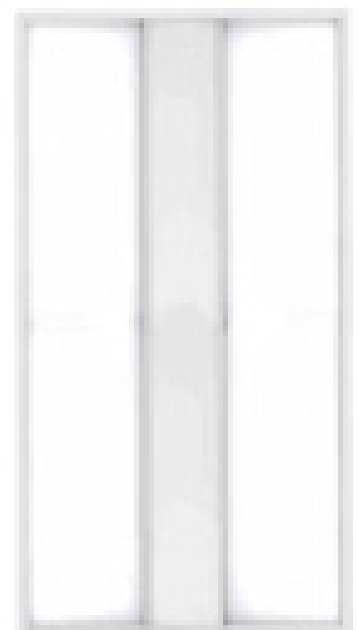
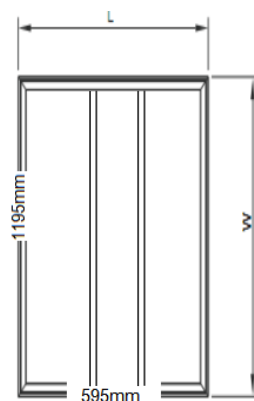


WXX466 - 4000K **UGR DIFFUSED PANEL - 60W** Non Dimmable

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

Dimmable: Not dimmable
Operation Temperature: $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$
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($^{\circ}$): 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 Temperature: -10°C ~ 40°C

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

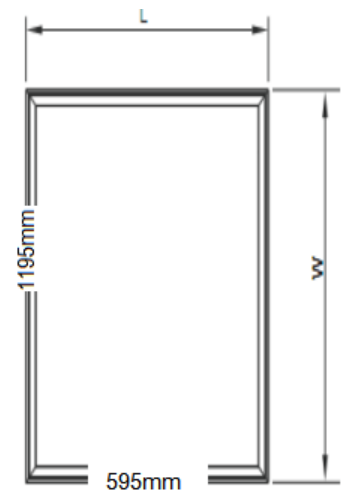
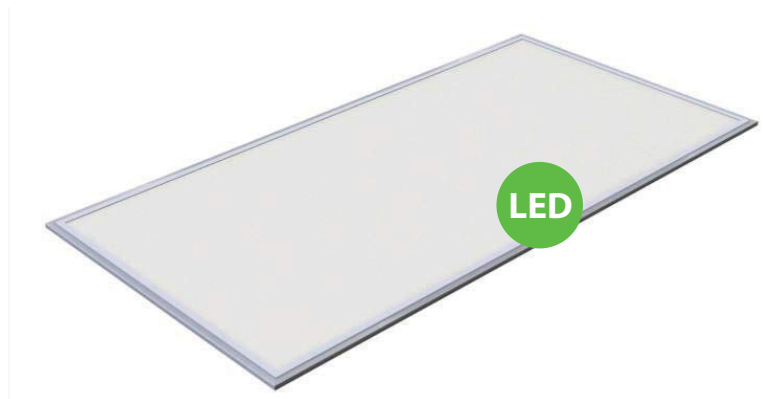
Heat Sink: Aluminium

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

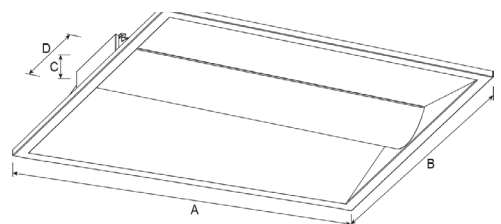
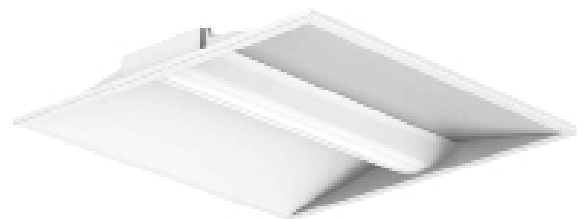
Body Material: PC/Iron finished White RAL 9016
Diffuser: PC Polycarbonate

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

Driver: Flicker Free - 50 000 hrs
Chip 2835SMD
CRI>80
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

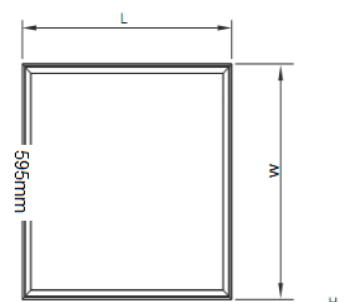
Materials of optics: PMMA LGP + PS Prismatic Diffuser
Materials of housing : Aluminium Frame

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 $\pm 10\%$
Total lumen output: 3960lm $\pm 10\%$
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: Aluminium + 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 \pm 275K

CRI: 80

Driver type: Constant current driver

Rated power: 60W \pm 10%

Input Voltage: AC 100-240V 50Hz

Output voltage: 27-42V

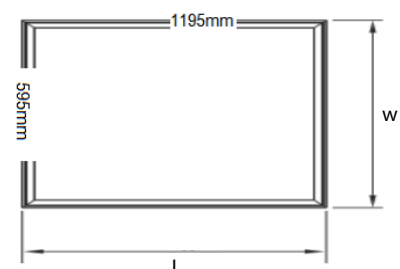
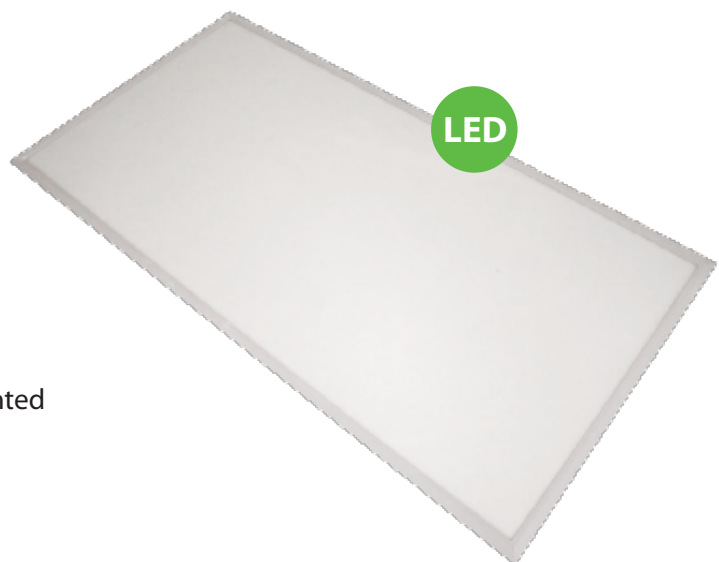
Input current: 273mA(@AC220V)

Output current: 1300mA

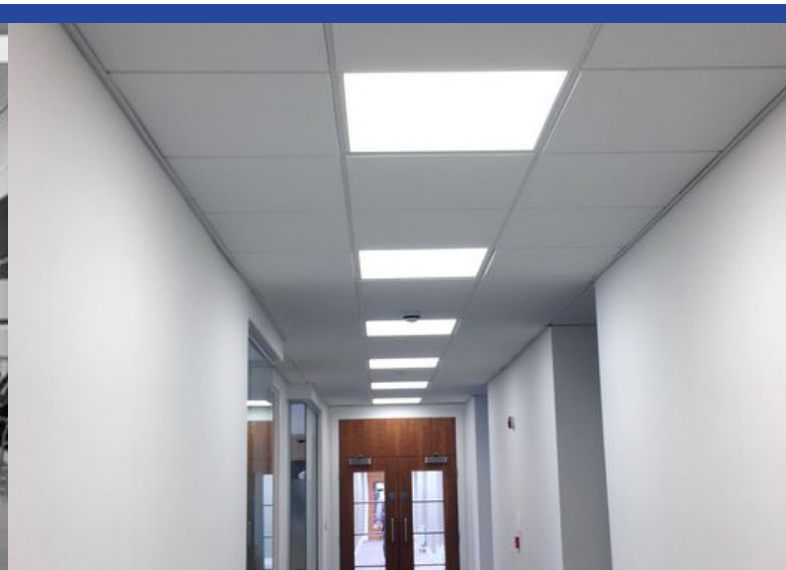
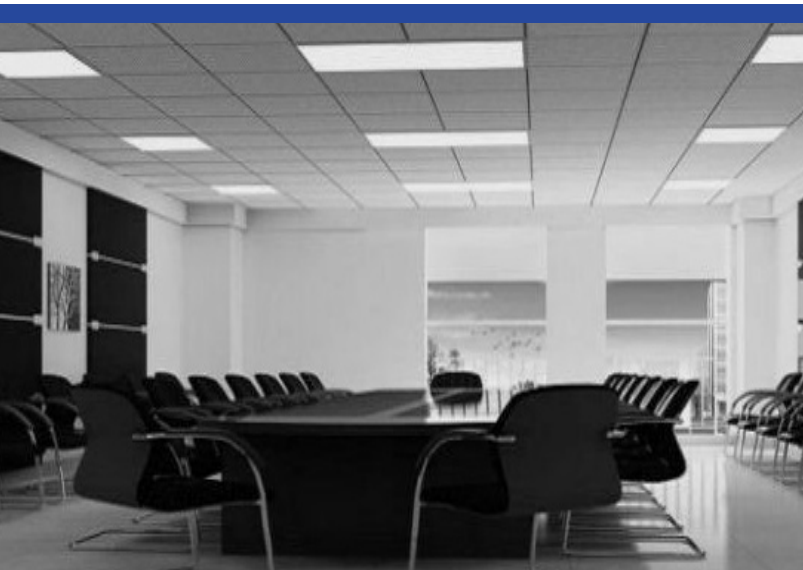
Extras Available: WXX010 Surface Frame &

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

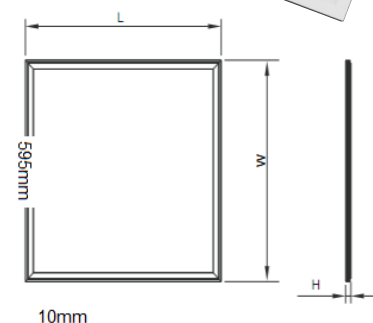
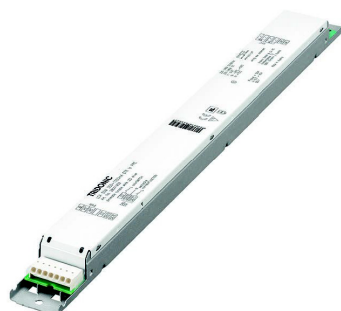
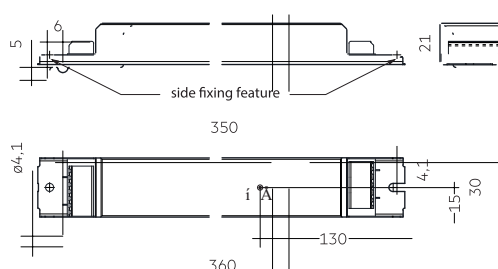
Depth: 10mm

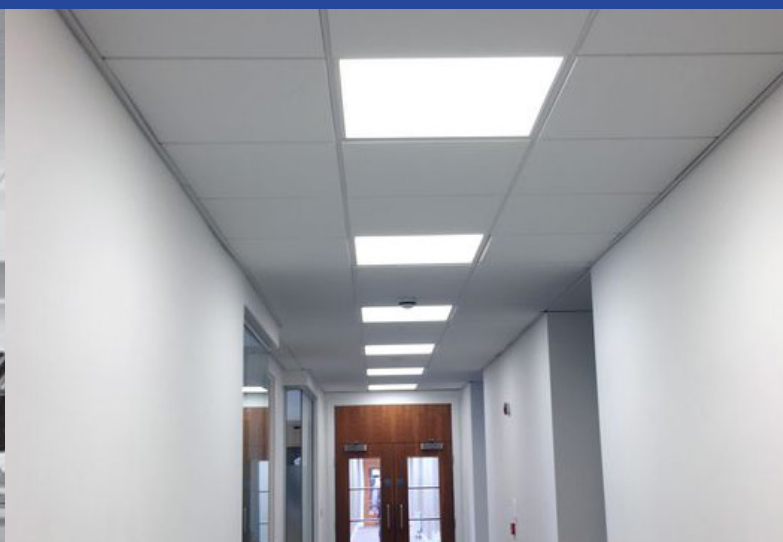
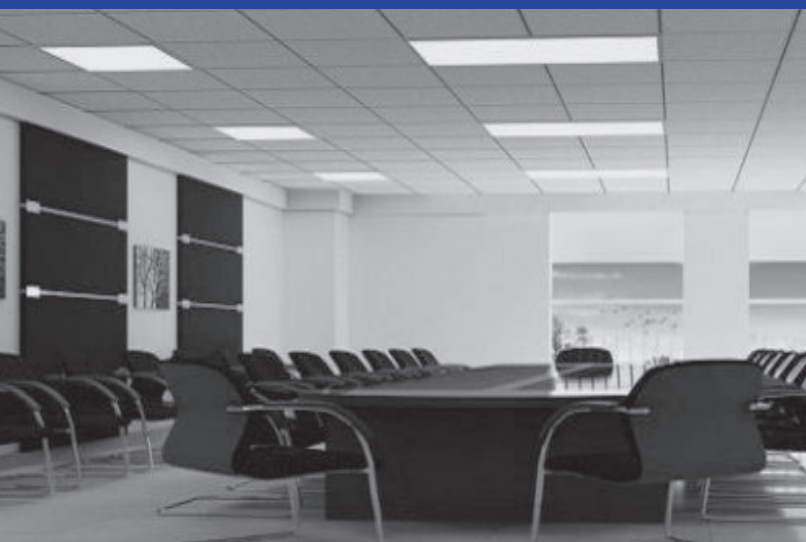
PRODUCT DESCRIPTION:

- Dimmable built-in constant current 2-channel LED Driver with DALI DT8
- Dimming range 3 – 100 %
- Electrical Class: 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: 50000 Hours / 5 Years
- IES Files: Yes

INTERFACES:

- One4all (DALI DT8, DSI, switch DIM, corridor FUNCTION V2)
- Colour SWITCH
- 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:

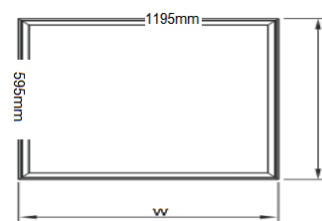
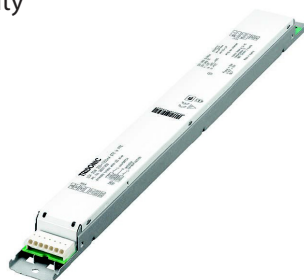
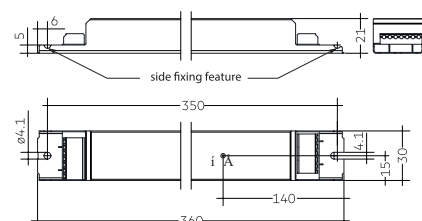
- Dimmable built-in constant current 2-channel LED Driver with DALI DT8
- Dimming range 3 – 100 %
- Electrical Class: Class I
- Adjustable output current between 600 and 1,800 mA for each channel via I-SELECT 2 plugs or DALI
- Max. Output power 85 W
- Up to 90 % efficiency
- Power input on stand-by < 0.5 W
- CCT Tunable 3000K to 6500K
- Warranty: 50000 Hours / 5 Years
- IES Files: Yes

INTERFACES:

- One4all (DALI DT8, DSI, switch DIM, corridor FUNCTION V2)
- Colour SWITCH
- 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



For Pro Control see Page171 / For Eco Control see page 172

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
- Type. 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 - L: 40.4mm x W: 36.3mm x H:14.8mm
- 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:

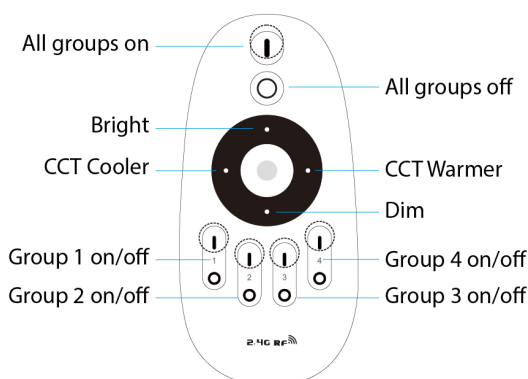
Press and hold the Group 1 key () on the remote and power on the light fitting at the same time, until the light fitting blinks four times. This will indicate that the unlinking operation is successful.

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

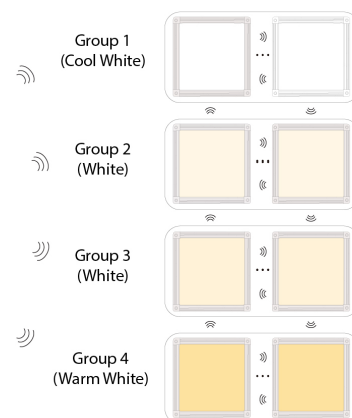
Note:

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 & 4000K
 Width: 220mm
 Height: 800mm
 Depth: 90mm
 Beam angle: 120°
 IP Rating: 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





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

IP Rating: 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

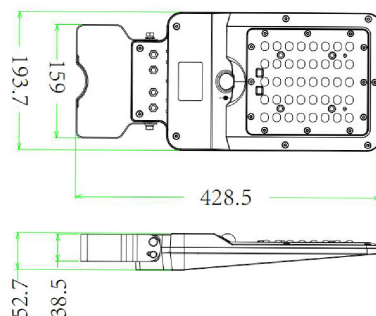
Pole: Excluded

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° - TP111

IP Rating: 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: -15°C- 50°C

Storage Temp: 0°C- 50°C

Dimensions: 492.5*231.9*58mm

Installation Height: 3-5m

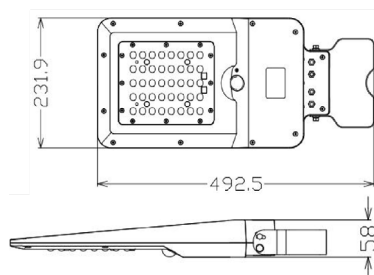
Pole: Excluded

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

IP Rating: 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°

IP Rating: 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

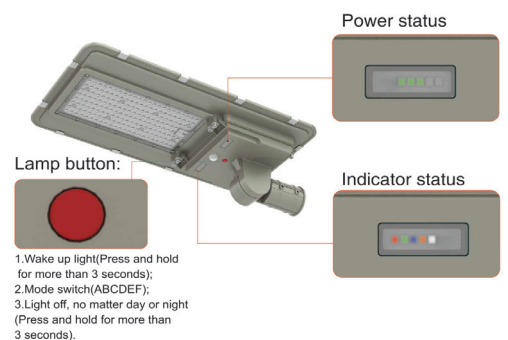
Pole: Excluded

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 with out electricity and when unit is not charging. (solar panel can be covered or disconnected when charging connector):

ON: Turn on light, then press other mode buttons as needed;

OFF: Turn off light, 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: <201ux).
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.

- Remote control is user friendly with glow in the dark buttons.



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

BENEFITS:

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

FEATURES:

- Beam angle: 120°.
- IP Rating: 65
- Aluminium 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 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.



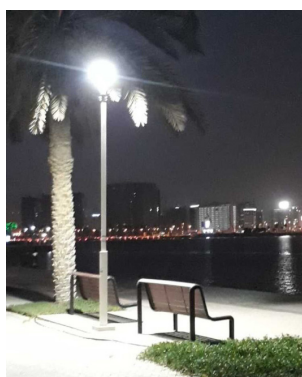
SMD LED



Mounting
Brackets



LED



20W
25W



20W
25W



20W
25W



50W



50W

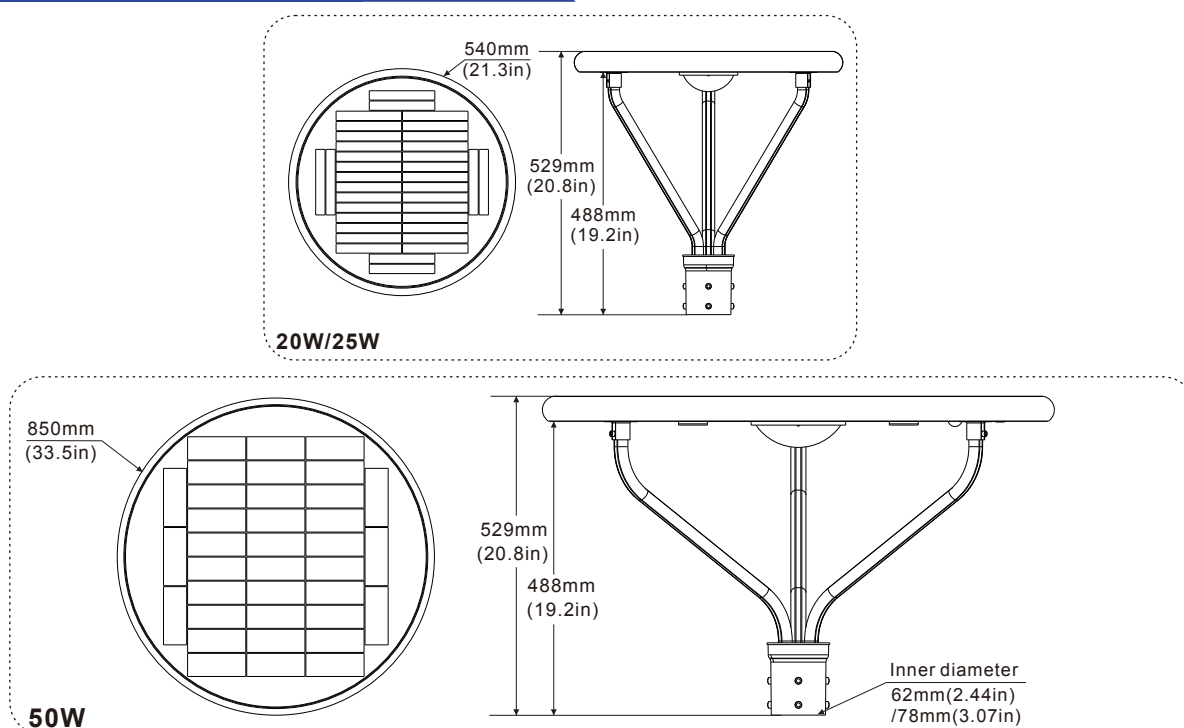


50W

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℃		
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
 Dimension: 500 x 275.8mm
 Installation Spacing: 10 -15mtrs
 Effective Projection Surface: 80m³
 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 aluminium, 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, create perfect fusion between technology.
- Hi-Tech reflective lighting design, no glare, lighting looks softer and more comfortable, no glare.
- Luminous surface, glows more uniform 360° Lighting.
blends in with their surroundings.
- Maximum utilization of charging efficiency.
- Adopt laminated tempered glass mono- crystalline silicone solar panel, high conversion efficiency, reach 21%.
- Whole housing cover ADOPT ACD+1060 aluminium, IP65, anti-UV, fireproof, durable.
- High bright 2000lm for most application, ADOPT LM80 SMD3030.
- LifePO4 battery 32700/6000mAH/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.

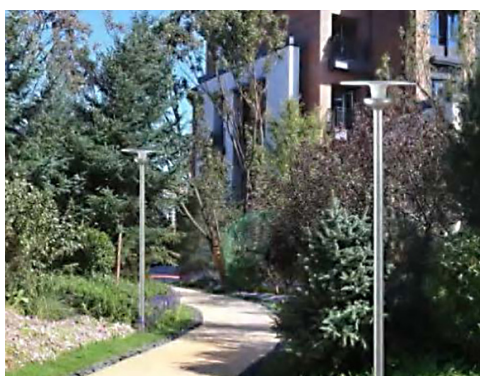
APPLICATION:

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



Unique Lighting Design:

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



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 Rating: IP65
 Life PO4 Battery Pack: 3.2V/ 20AH/ replaceable
 Lamp Dimension-L: 400mm x W: 400mm x H: 420mm
 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 Aluminium + 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 market demands and makes garden, city, home more pleasing, warm, bright
- **Solar panel:** High efficiency mono crytalline silicon solar panel for better performance especially 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.
- **Aluminium housing:** Aluminium housing to ensure durability, strong, Anti-UV.

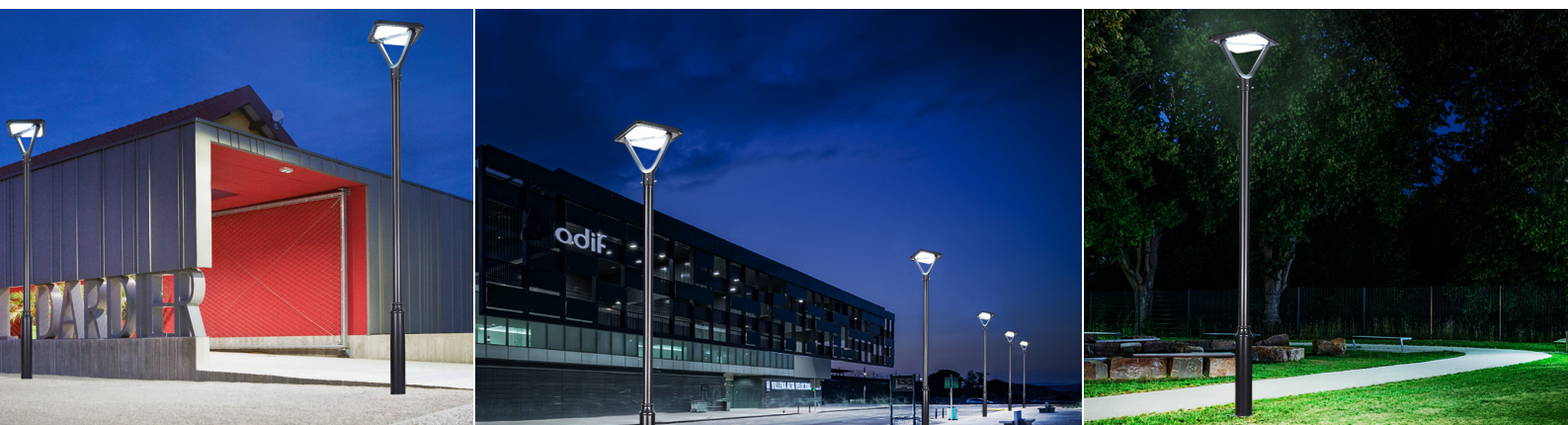
APPLICATION:

- Area roadway/roadway lighting.
- Parking areas lighting.
- Airports lighting.
- Street area lighting.
- Campus 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 Rating: IP65
 Life PO4 Battery Pack: 3.2V/30AH/ replaceable
 Dimension: D: 530mm x H: 490mm
 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)
 Pole: Excluded
 Spigot for Pole 76mm
 IES Files: YES



FEATURES:

- **Unique private design:** Modern urban design match market demands and makes garden, city, home more pleasing, warm, bright
- **Solar panel:** High efficiency mono crystalline 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.
- **Aluminium housing:**
Aluminium 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 Aluminium housing; Frosted Tempered Glass
Lumileds 3030 LED 60W - 3000K
Inventronic Driver 5 years lifetime
Class I,
110-240V/50Hz
IP Rating: IP65
Suitable pole diameter: 76mm
Pole: Excluded

Head size:

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

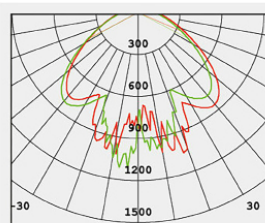
Wall lantern: LLY1020/W - 30W - 3000K

LLY1020/W-30W

Wall Light - UP version
Available in Black
3207LM - 3000K - IP65
Die-Cast Aluminium
With Frost Glass
Class I, 110-240V/50Hz
Height: 942mm
Width: 400mm
Length: 712mm
Wall Mounted - Indoor Only



LED

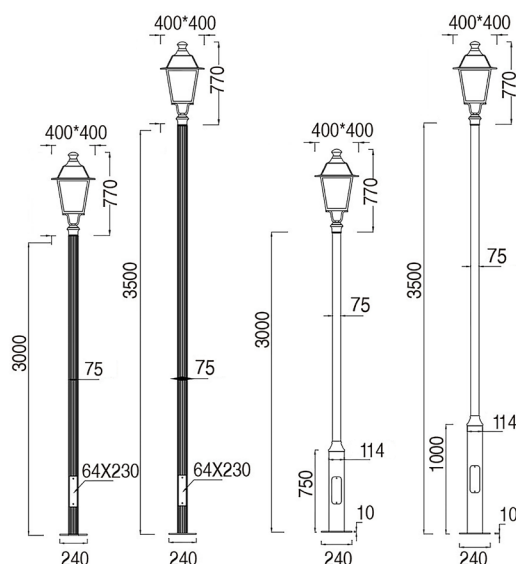


H(m)	Eavg(lx)	Emax(lx)	D(m)
1	193.5	1140.0	3.76
2	48.4	285.1	7.53
3	21.5	126.7	11.29
4	12.1	71.3	15.05
5	7.7	45.6	18.82

Pole: LLY1020-60W-3000K
Lumileds LED 60W 3207lm
Frosted Glass
124.03°
Class I, IP65



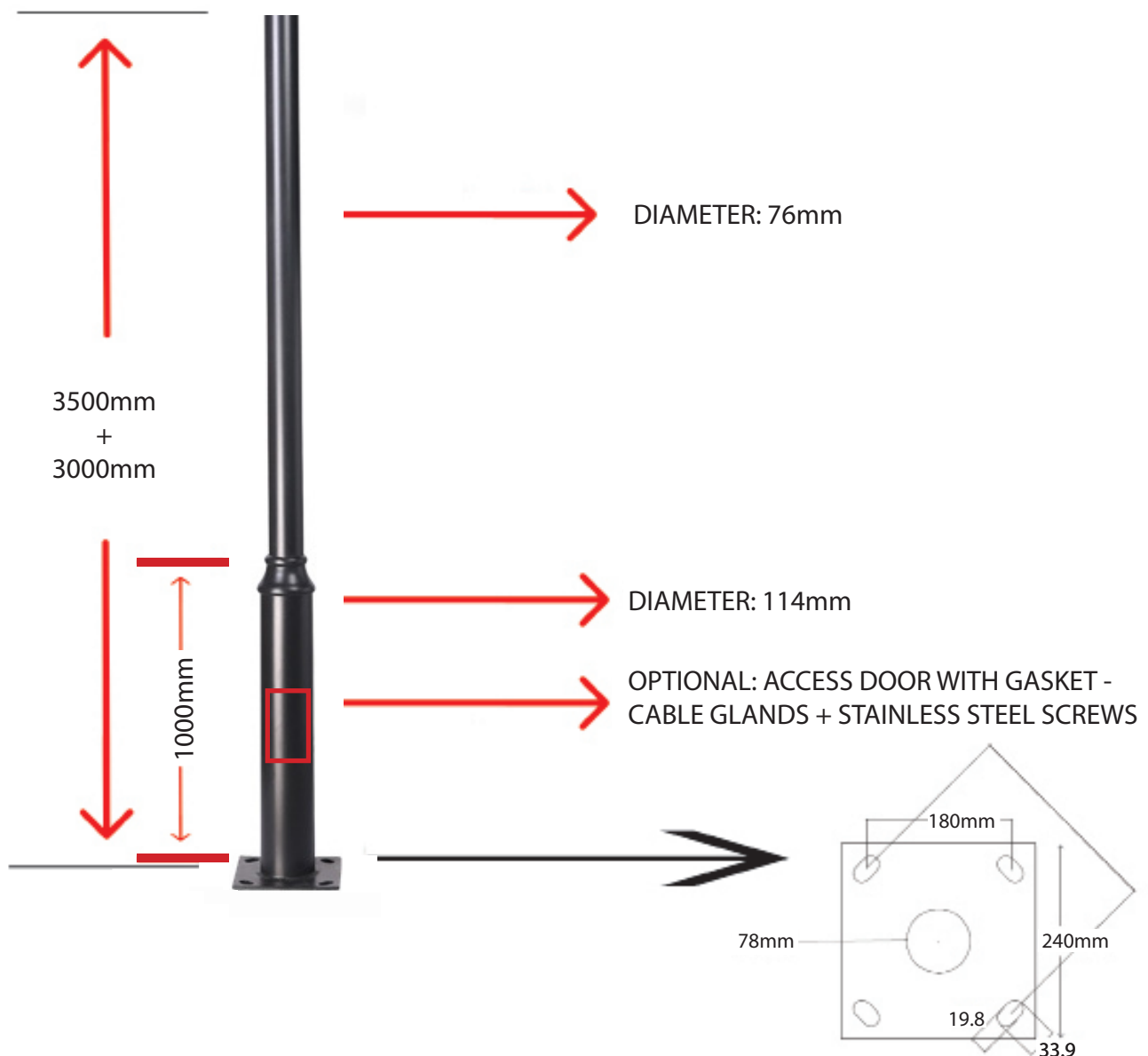
↓ Pole Options



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.

Eagle Code: SBE010



SBL110 STREET LIGHT - 100W

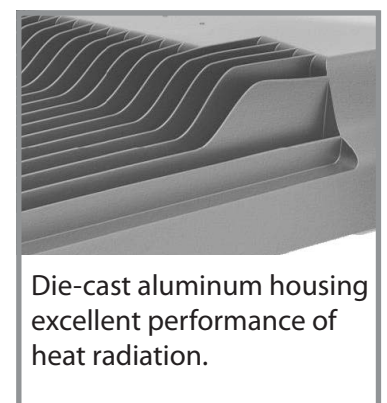
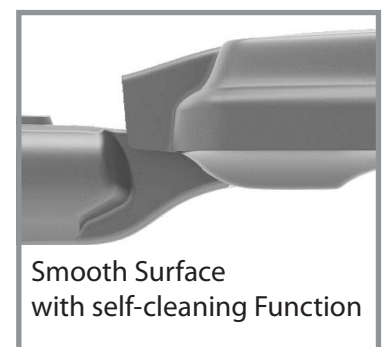
Street Light

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
 IP Rating: 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 Colour: Grey
 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

Accessories Included: Lamp-post mounting bracket

Suitable for:

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

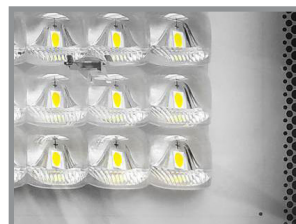




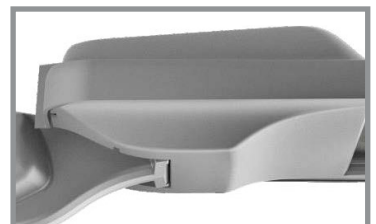
SBL105 STREET LIGHT - 50W

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
 IP Rating: 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 Colour: Grey
 Working Temp: -20C° to +50C°
 Working Humidity (HH%): 10 - 90
 Warranty: 5 Year warranty
 Dimensions: 329mm x 211mm x 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

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:

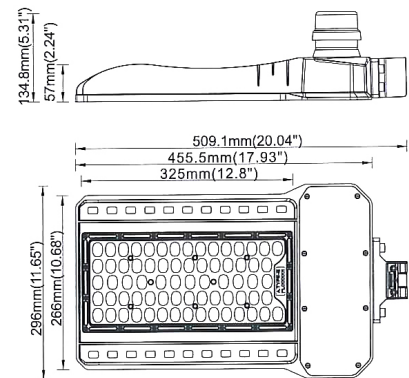
- ADC12 Die-cast aluminium alloy housing
- IK10 strong protection, good optical function
- IP Rating: IP65
- Lifespan: 50 000 Hours / 5 Years
- Operating Temperature: - 20 - 50°C
- Storage Temperature: - 40 - 60°C

BR/PL100W

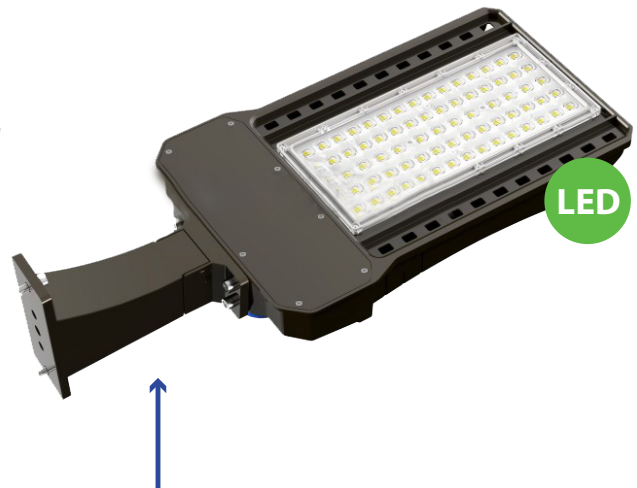
- Power: 100W
- Lumen: 145Lm/w
- CCT: 4000K
- CRI: >80
- Weight: 7.46kg
- Length: 509.1mm
- Width: 296mm
- Depth: 57mm

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
- IP Rating: IP66
- Lifespan: 50 000 Hours / 5 Years
- Operating Temperature: $-40^{\circ}\text{C} \sim +50^{\circ}\text{C}$.
- Storage Temperature: $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$.
- 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

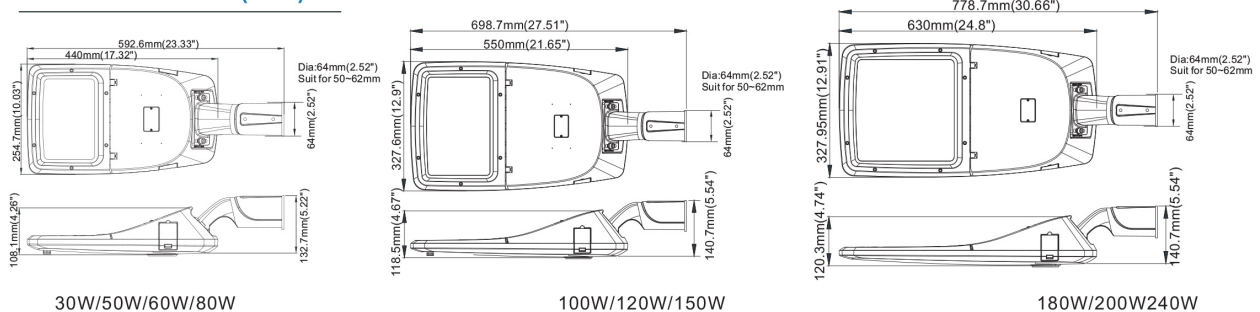
BRR/PL3/100W - 150W

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

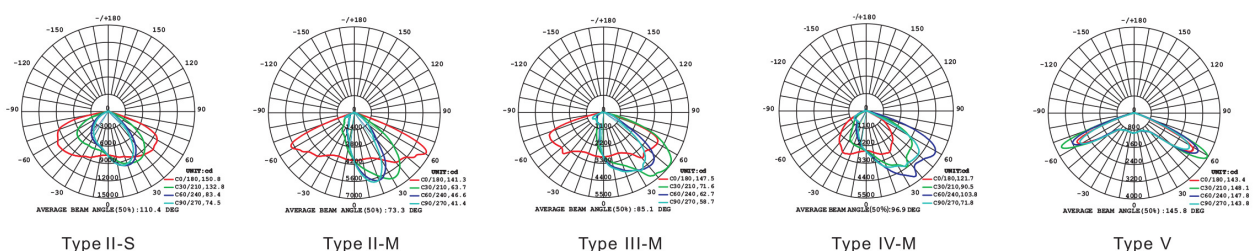
BRR/PL3/180W - 240W

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

Dimensions(mm)



Photometry



LED STREET LIGHT

The SLX is a range of 9W-295W LED road luminaires 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 Luminaires 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

Colour 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

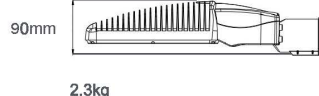
Temperature Range: -30°C to 45°C - 10% to 96% RH (no condensing)

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

* PF >0.95 Lagging

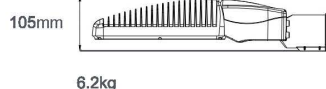
**Lumen depreciation not more than 20% in accordance with LM-80 – TM-21

SLX - S



9W - 54W

SLX - M



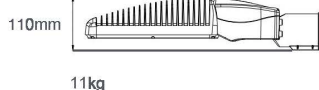
27W - 108W

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.

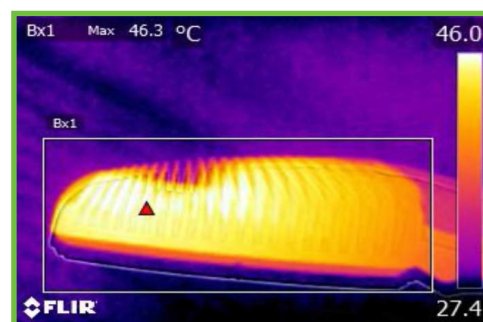
PRODUCT CODE: SLX | S | W | C | O



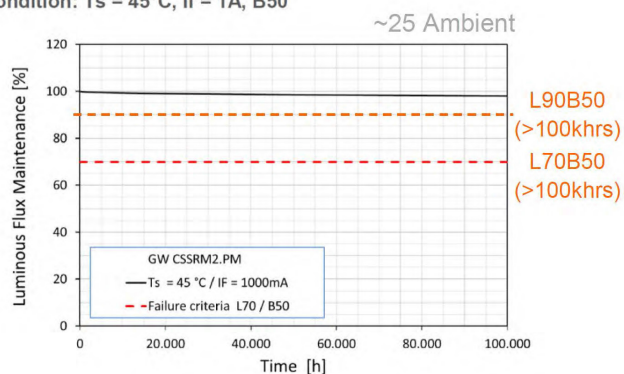
model / wattage	colour temperature	optics	additional options
select from table above	30 - 3000°K 40 - 4000°K 50 - 5000°K 57 - 5700°K	S1 - Standard Major Road S2 - S16 (see table below)	12V - 12V option 24V - 24V option DN - day/night included 20KV - 20kV protection IK10 - PC cover

lifespan details

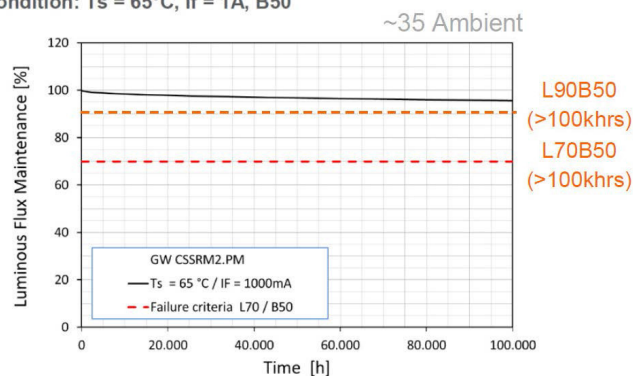
The lifespan calculations have been verified by the LED manufacture (OSRAM) in the product application. Designed to operate LED light sources of upto 295w in an ambient environment of upto 55 °C, without reducing the useful lifespan of 100 000 hours, at a lumen depreciation of not more than 20% (L80B50).



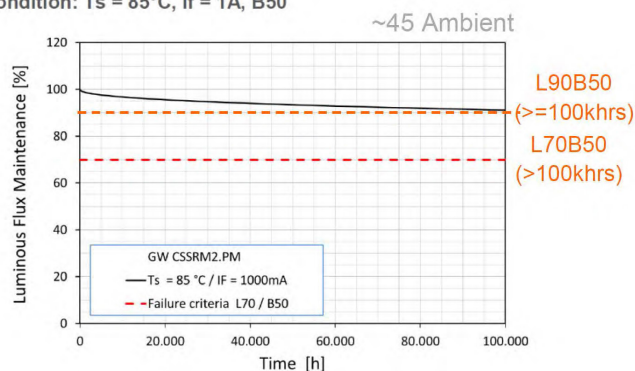
Condition: Ts = 45°C, If = 1A, B50



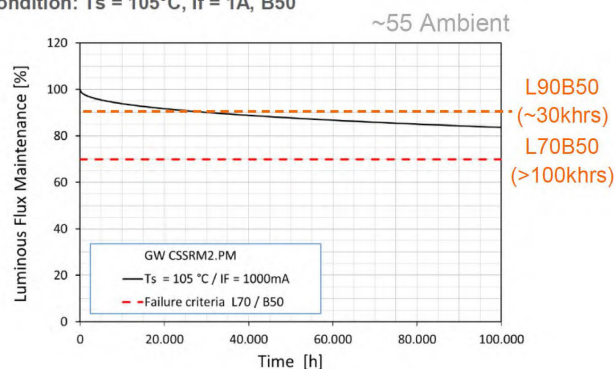
Condition: Ts = 65°C, If = 1A, B50



Condition: Ts = 85°C, If = 1A, B50



Condition: Ts = 105°C, If = 1A, B50



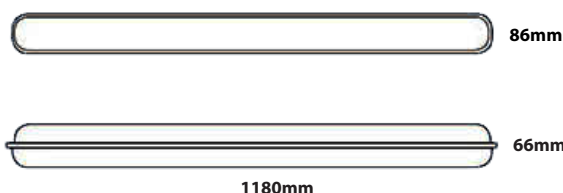


GTL511/1200/4000K

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



LED



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





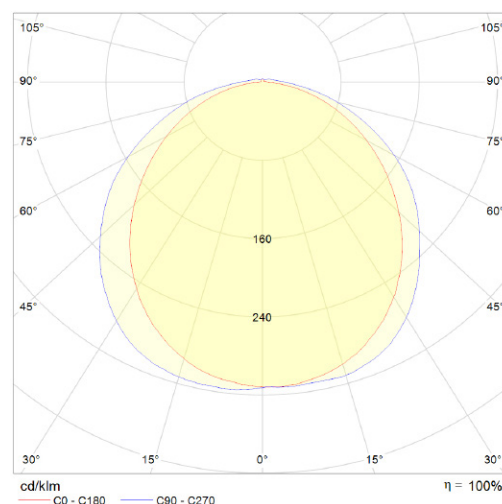
GTL521 24W Vapour Proof LED T8

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



LED

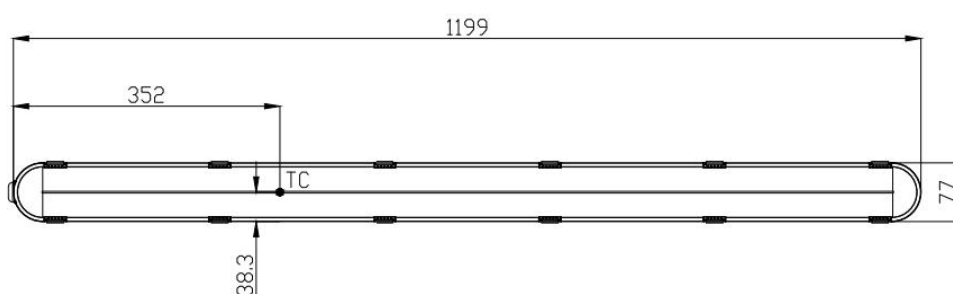
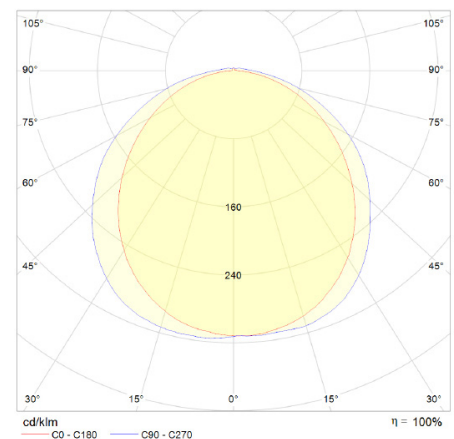




GTL525 36W Vapour Proof LED

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

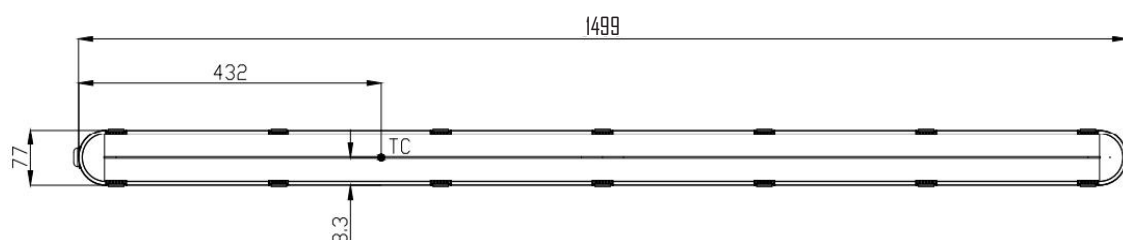
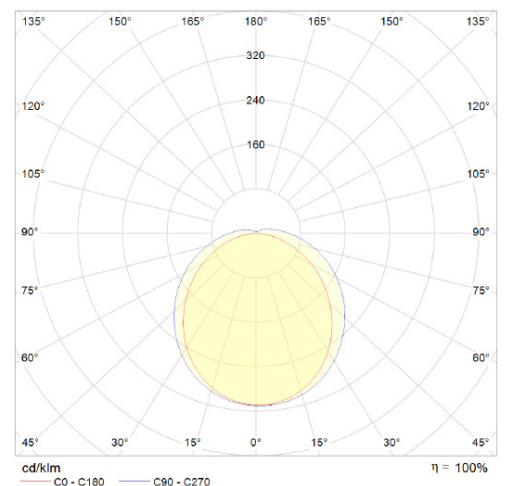
Lifespan: 50 000 hours

Certifications: GS, CE-LVD, CE-EMC, CB

Operating Temperature: -20° to +40°C

Warranty: 5 Years

IES Files: YES





GTL514

Specifications:

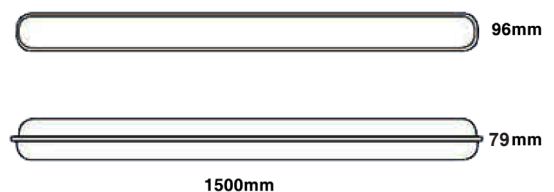
Cover Material: High impact resistant polycarbonate with light diffusing agent
Fixture Housing: Polycarbonate

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
- 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
Voltage Input: 220-240V

LED



Basic Accessories



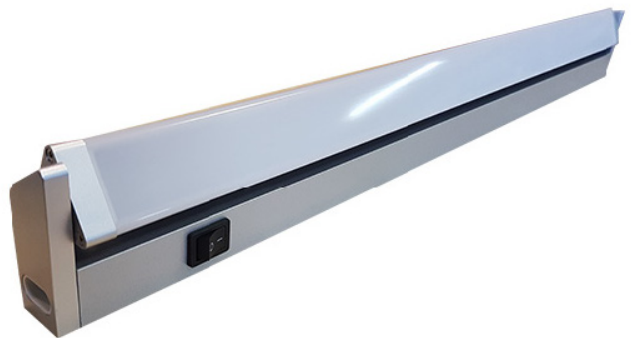
GTL515/ 3CCT

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

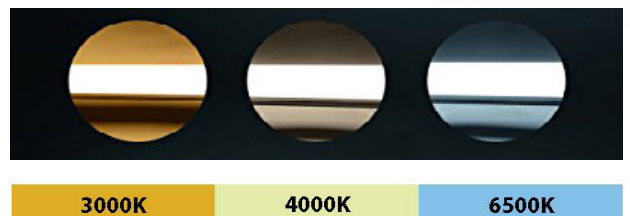
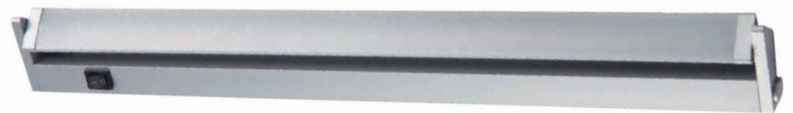


GTL516/ 3CCT

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



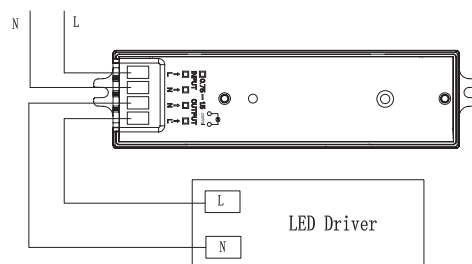
HD02S-6 1

Rod antenna, DIP switch

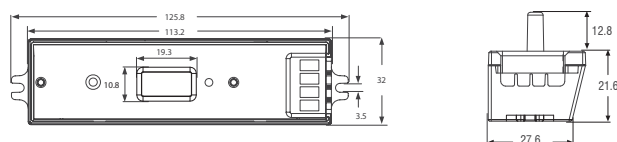


HD02S-6 1 DIP switches on front

Microwave Sensor Code: GTL092



Wiring diagram



Unit:mm



On/off control



Daylight sensor



Detection area

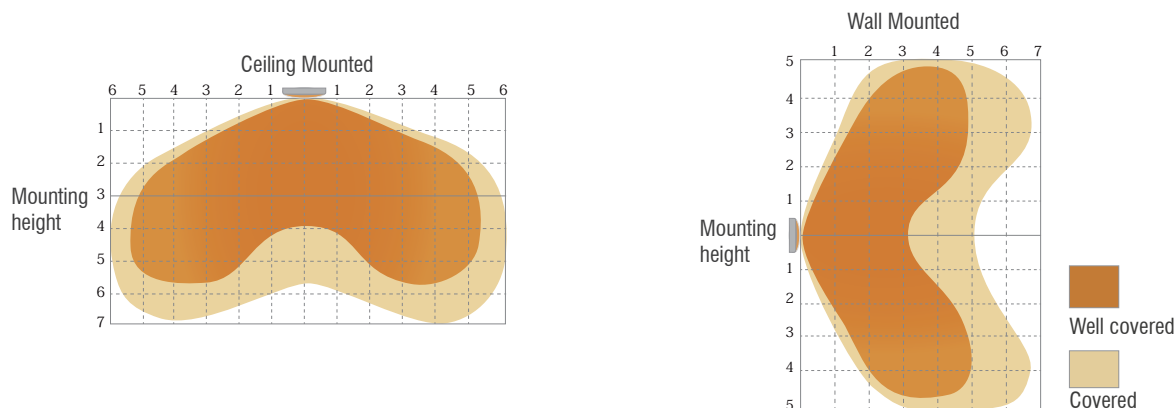


Hold time

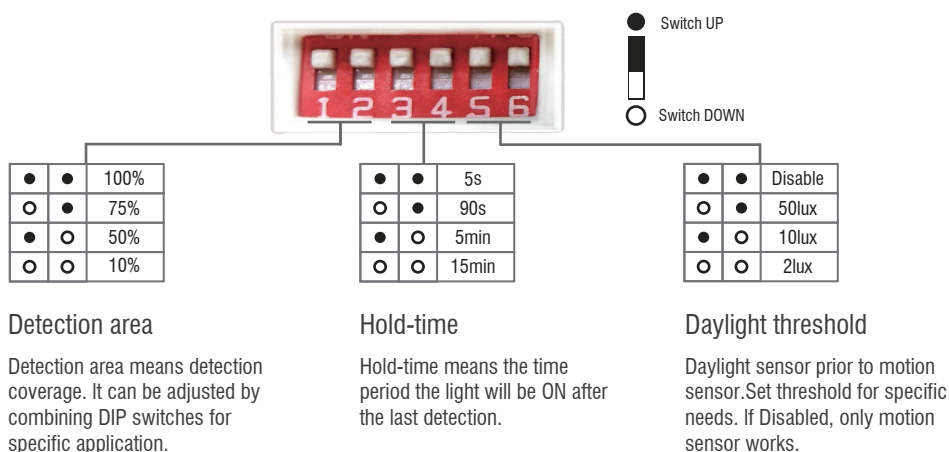
01 Technical data

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 ² 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

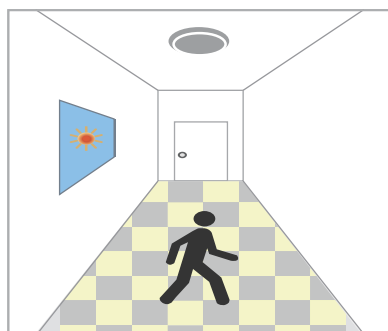
02 Detection coverage



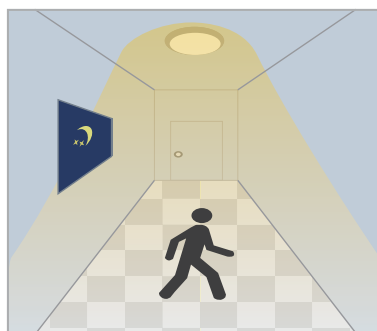
03 Settings



04 Application Function Demo-On/off control



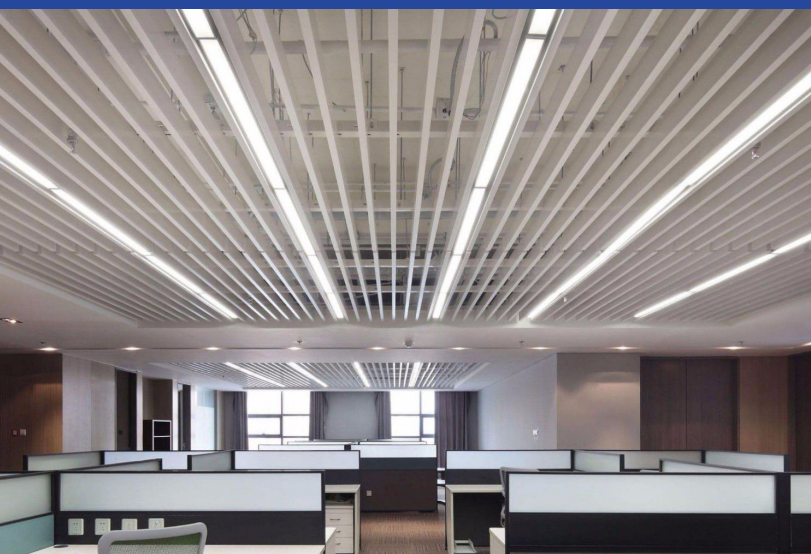
With sufficient daylight, even when motion detected, light remains OFF.



With insufficient daylight, when motion detected, light ON.



After the last detection and the present hold time elapsed, light OFF.



GTL505 LED Slimline Batten Fitting

FEATURES:

- Protection Class I
- IP Rating: IP20
- Usage: Indoor
- Body & Diffuser: PC
- Working Temperature: -20~40°C
- Colour Rendering Index: >80
- Lifetime: Up to 50 000Hrs
- Input Voltage: 220-240V ~ 50/60Hz
- Wattage: 20W LED
- Lumen: 2000Lm
- Colour Temperature: 4000K
- Non Dimmable

DIMENSIONS:

- Length: 630mm
- Width: 75mm
- Height: 85mm

GTL506 LED Slimline Batten Fitting

FEATURES:

- Protection Class I
- IP Rating: IP20
- Usage: Indoor
- Body & Diffuser: PC
- Working Temperature: -20~40°C
- Colour Rendering Index: >80
- Lifetime: Up to 50 000Hrs
- Input Voltage: 220-240V ~ 50/60Hz
- Wattage: 30W LED
- Lumen: 3000Lm
- Colour Temperature: 4000K
- Non Dimmable

DIMENSIONS:

- Length: 1230mm
- Width: 75mm
- Height: 85mm

GTL507 LED Slimline Batten Fitting

FEATURES:

- Protection Class I
- IP Rating: IP20
- Usage: Indoor
- Body & Diffuser: PC
- Working Temperature: -20~40°C
- Colour Rendering Index: >80
- Lifetime: Up to 50 000Hrs
- Input Voltage: 220-240V ~ 50/60Hz
- Wattage: 60W LED
- Lumen: 6000Lm
- Colour Temperature: 4000K
- Non Dimmable

DIMENSIONS:

- Length: 1500mm
- Width: 75mm
- Height: 85mm



LED





GTL509 LED Slimline Batten Fitting

FEATURES:

- Protection Class I
- IP Rating: 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

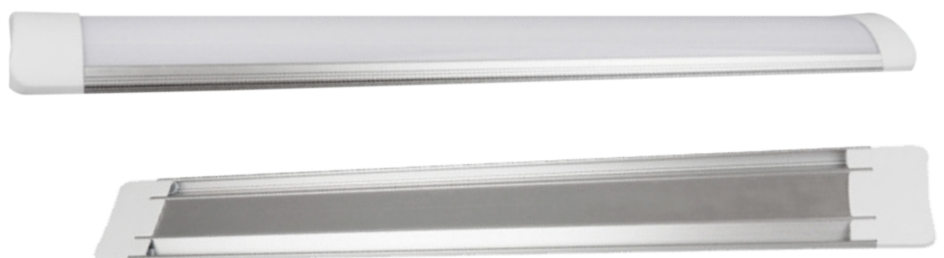
GTL510 LED Slimline Batten Fitting

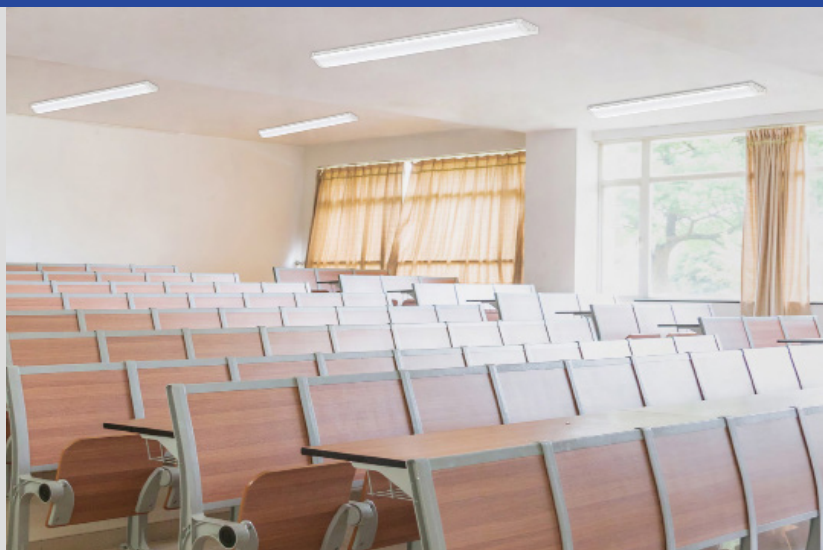
FEATURES:

- Protection Class I
- IP Rating: 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





WXX480 LED Slimline Batten Fitting

FEATURES:

- Protection Class I
- IP Rating: IP40
- Usage: Indoor Surface Mounting
- Body: PS/ SPCC
- Working Temperature: - 20~45°C
- Power Factor: >0.9
- Lifespan: 50 000Hrs
- Input Voltage: 220-240V ~ 50/60Hz
- Wattage: 40W LED
- Lumen: 4500Lm
- Colour Temperature: 4000K
- Beam Angle: 120°

DIMENSIONS:

- Length: 1200mm
- Width: 210mm
- Height: 70mm



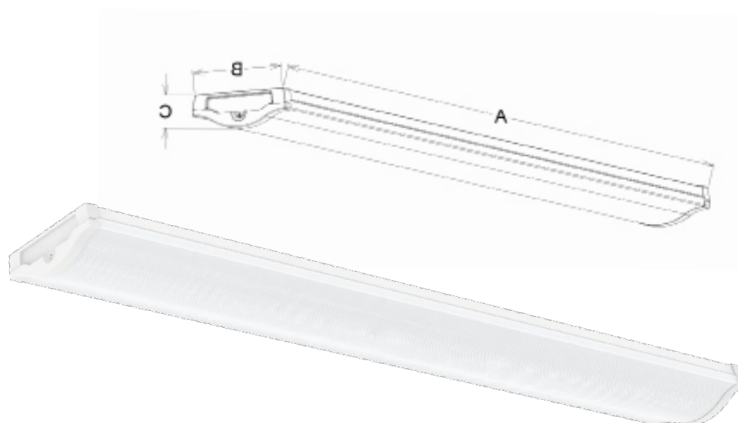
WXX481 LED Slimline Batten Fitting

FEATURES:

- Protection Class I
- IP Rating: IP40
- Usage: Indoor Surface Mounting
- Body: PS/ SPCC
- Working Temperature: - 20~45°C
- Power Factor: >0.9
- Lifespan: 50 000Hrs
- Input Voltage: 220-240V ~ 50/60Hz
- Wattage: 58W LED
- Lumen: 6500Lm
- Colour Temperature: 4000K
- Beam Angle: 120°

DIMENSIONS:

- Length: 1500mm
- Width: 210mm
- Height: 70mm



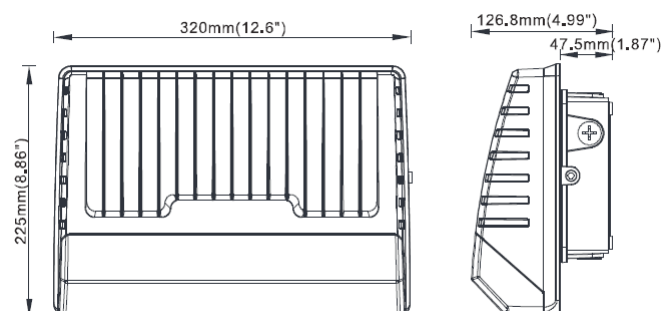
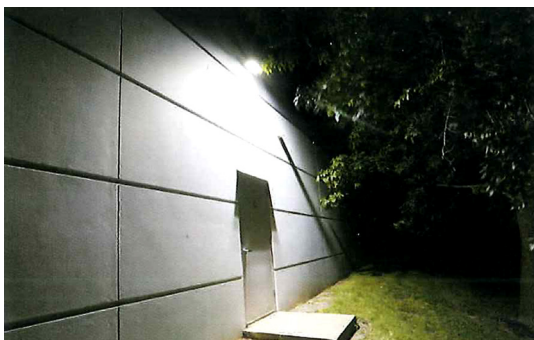
WALL PACK LIGHT BR/WP/80W/4000K

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
- IP Rating: 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



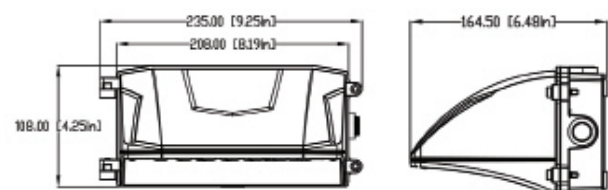
WALL PACK LIGHT BRR/WP/30W

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
- IP Rating: 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
- Available Wattages: 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:

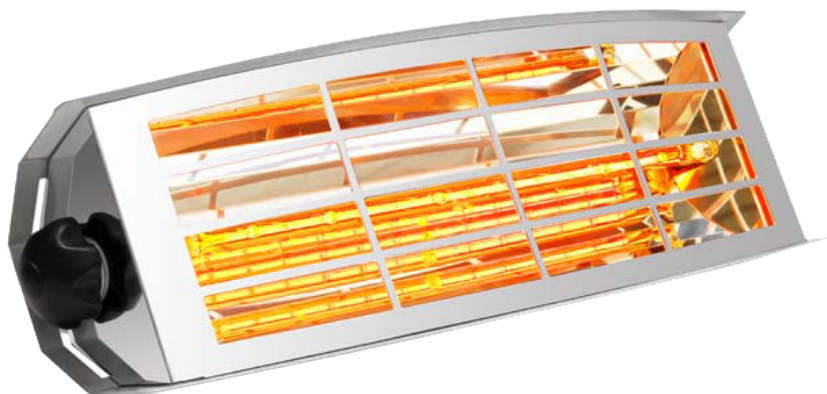
- Grey mild steel Infrared radiant heater
- Ultra Low Glare lamp – 60% Less glare
- Warms people and the environment. Delivers sunshine indoors
- Modern Design
- 80% more economical than gas
- No Gas burning smell
- Adjustable lever
- 5000-8000 hour lamp life
- 2000W lamp
- Aesthetically pleasing – Suitable 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: 12m²
- Non-insulated areas: 8m²
- Open draughty areas: 6m²

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: 12m²
- Non-insulated areas: 8m²
- Open draughty areas: 6m²

IDEAL FOR:

- Restaurants & coffee bars
- Entertainment area
- Indoor Building
- Homes
- Office Blocks
- Lecture Rooms



LOW GLARE STAINLESS STEEL HEATER TEC004 - 1500W

FEATURES:

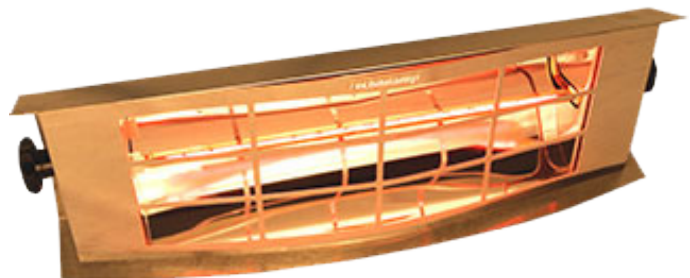
- Suitable for Indoor and Outdoor heating (under cover)
- Modern Design
- 80% more economical than gas
- No Gas burning smell
- Adjustable lever
- 5000-8000 hour lamp life
- 1500W lamp
- Aesthetically pleasing
- Significant cost saving
- Clean and odourless
- Comfortable direction flow
- Maintenance free
- Easy installation
- Stainless Steel

HEATING AREA GUIDE:

- Insulated areas: 16m²
- Non-insulated areas: 12m²
- Open draughty areas: 8m²

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:

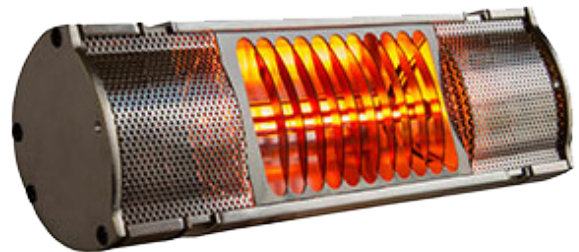
- Insulated areas: 6m²
- Non-insulated areas: 4m²

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 12m²
- 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: 10mm

HEATING AREA GUIDE:

- Insulated areas: 12m²
- Non-insulated areas: 12m²

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

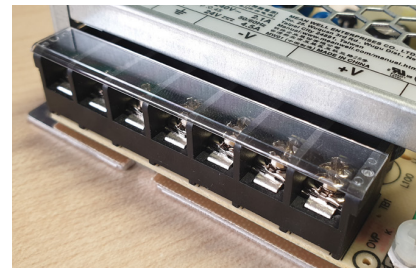
LRS - 35 - 5

- Output voltage
- Output wattage
- Series name



• 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.) <small>Note.2</small>	120mVp-p	150mVp-p				
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V				
	VOLTAGE TOLERANCE <small>Note.3</small>	± 1.0%	± 1.0%				
	LINE REGULATION <small>Note.4</small>	± 0.5%	± 0.5%				
	LOAD REGULATION <small>Note.5</small>	± 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				
		Protection type : 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					
	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					
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A					
OTHERS	MTBF	763.6K hrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	99*82*30mm (L*W*H)					
	PACKING	0.23Kg ; 60pcs/14.8Kg/0.88CUFT					
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from 0% to 100% rated load. 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. 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. 8. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft). 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 http://www.meanwell.com)						



75W Single Output Switching Power Supply

MW-LRS-75W series



**12V & 24V
OPTIONS**



• 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

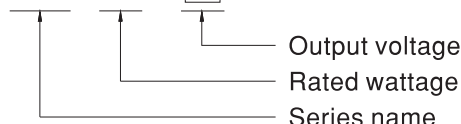
• Description

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.

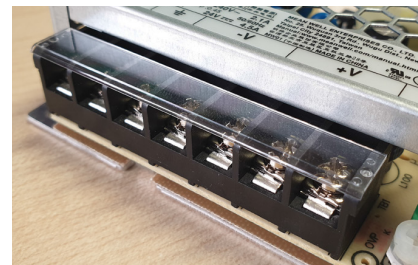
• Model Encoding

LRS - 75 - 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-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.) <small>Note.2</small>	120mVp-p	150mVp-p				
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V				
	VOLTAGE TOLERANCE <small>Note.3</small>	± 1.0%	± 1.0%				
	LINE REGULATION <small>Note.4</small>	± 0.5%	± 0.5%				
	LOAD REGULATION <small>Note.5</small>	± 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				
		Protection type : 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 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					
	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	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	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from 0% to 100% rated load. 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. 7. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft). 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 http://www.meanwell.com)						



100W Single Output Switching Power Supply **MW-LRS-100W**series

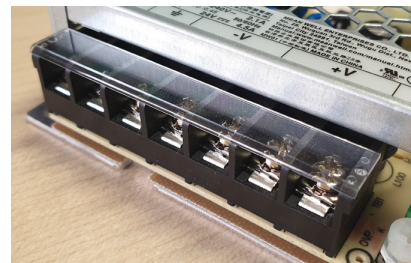


• Features

- 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

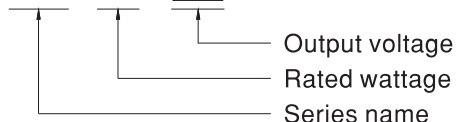
• Description

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.) <small>Note.2</small>	120mVp-p	150mVp-p					
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V					
	VOLTAGE TOLERANCE <small>Note.3</small>	± 1.0%	± 1.0%					
	LINE REGULATION <small>Note.4</small>	± 0.5%	± 0.5%					
	LOAD REGULATION <small>Note.5</small>	± 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					
		Protection type : 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 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	<div>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</div> <div>2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.</div> <div>3. Tolerance : includes set up tolerance, line regulation and load regulation.</div> <div>4. Line regulation is measured from low line to high line at rated load.</div> <div>5. Load regulation is measured from 0% to 100% rated load.</div> <div>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.</div> <div>7. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m(6500ft).</div> <div>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 http://www.meanwell.com)</div>							



150W Single Output Switching Power Supply

MW-LRS-150W series



**12V & 24V
OPTIONS**



• 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

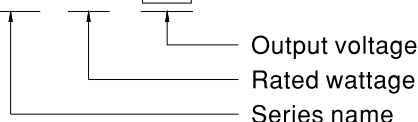
• Description

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.

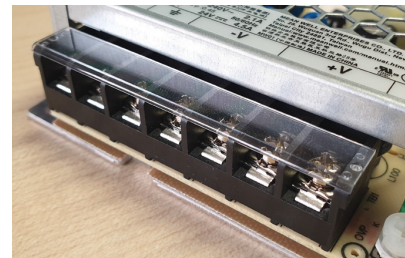
• Model Encoding

LRS - 150 - 12



• 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-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.) <small>Note.2</small>	150mVp-p	200mVp-p			
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V			
	VOLTAGE TOLERANCE <small>Note.3</small>	± 1.0%	± 1.0%			
	LINE REGULATION <small>Note.4</small>	± 0.5%	± 0.5%			
	LOAD REGULATION <small>Note.5</small>	± 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	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. Line regulation is measured from low line to high line at rated load. 5. Load regulation is measured from 0% to 100% rated load. 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. 7. 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 http://www.meanwell.com) 8. The ambient temperature derating of 5°C/1000m is needed for operating altitude greater than 2000m (6500ft).					

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
INPUT		
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)	
OUTPUT		
AC Voltage Regulation	230 VAC ± 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	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	34 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
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
PHYSICAL		
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	
ENVIRONMENT		
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 MULTIPLUSS, 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)	
	Humidity (non-condensing)	Max 95%	
ENCLOSURE	Material & Colour	Steel, blue RAL 5012	
	Protection category	IP22	
	Battery-connection	M8 bolts	
	230V AC-connection	Screw terminals 13mm ² (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	
	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.

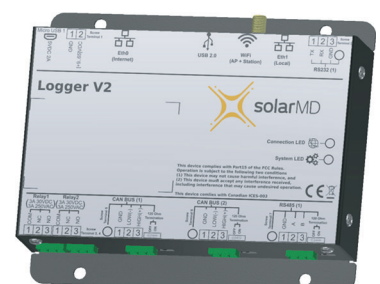
BATTERY FEATURES

- 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 LiFePO₄ technology.

BATTERY FEATURES

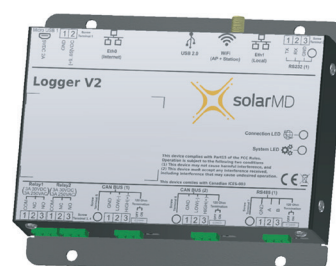
- Stable discharge platform
- Excellent Safety
- Long lifecycle
- High temperature performance
- High energy density
- High charge and discharge rate
- High efficiency
- No pollution



SS4074	
Battery type	Lithium Iron Phosphate (LiFePO ₄)
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.





ELE0020 HUBBLE LITHIUM - AM - 4 - 25V 2.75KW BATTERY

The ELE0020 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 ELE0020 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.



ELE0021 HUBBLE LITHIUM - AM - 2 - 51V 5.5KW BATTERY

The ELE0021 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 ELE0021 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.



ELE0022 ULTRA-RELIABLE LITHIUM IRON PHOSPHATE TECHNOLOGY.

HIGH PERFORMANCE:

- o Power output = 5.2kW (continuous)
- 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)



ELE0023 ULTRA-RELIABLE LITHIUM IRON PHOSPHATE TECHNOLOGY.

HIGH PERFORMANCE:

- o Power output = 5.2kW (continuous)
- o Fully rechargeable in 2 hours

SAFE & SECURE:

- o Over-charge, over-discharge & short-circuit protection.
- o Non-combustible & 100% Recyclable.

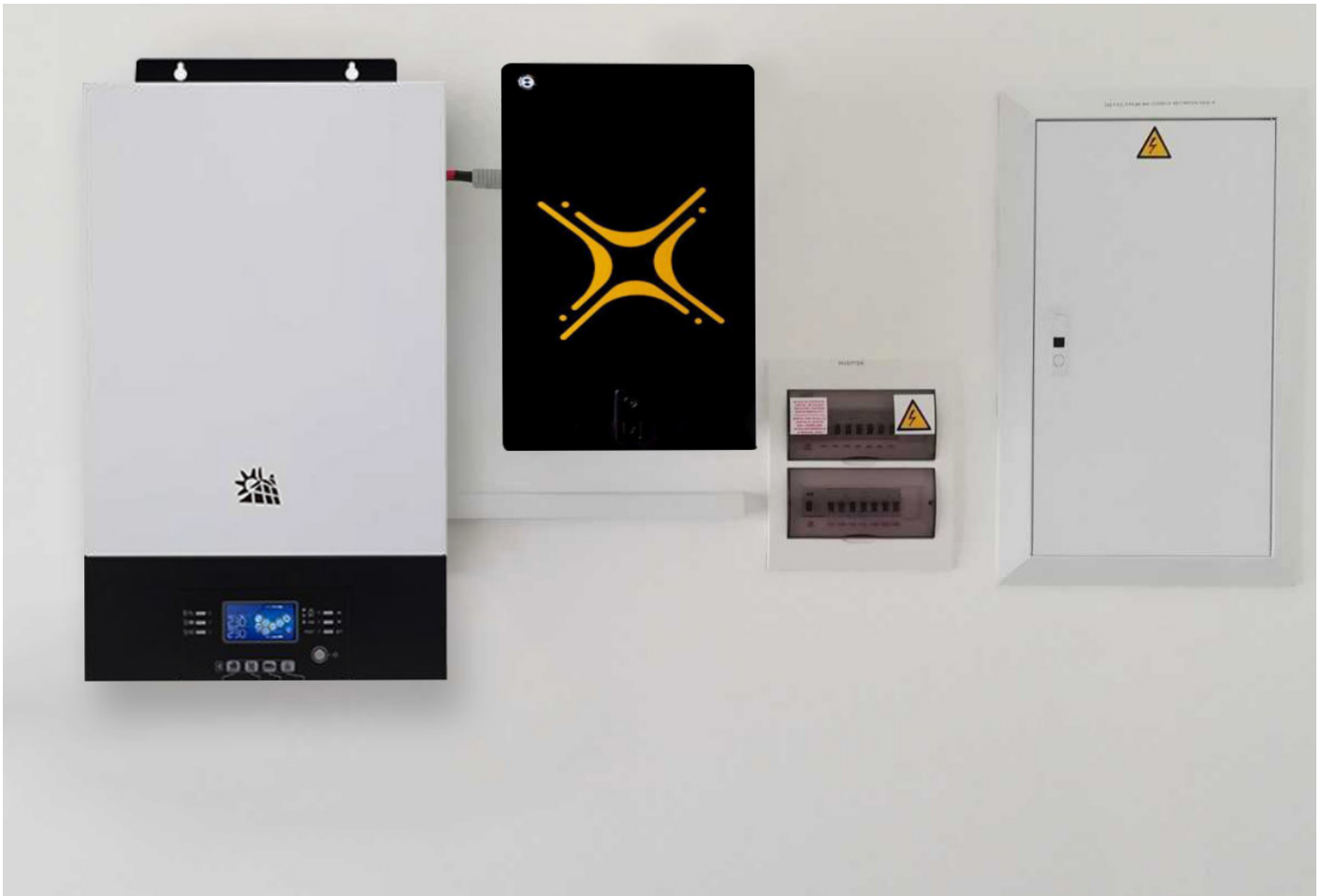
ROBUST & DURABLE:

- o Can be discharged to 100% DoD.
- o Performance cycle life > 8000 cycles.



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)



ELE0024 - 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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- 10.2. Overloading;
- 10.3. Use other than that prescribed for the products;
- 10.4. Use on aluminium or similar softer "fix to" materials.

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