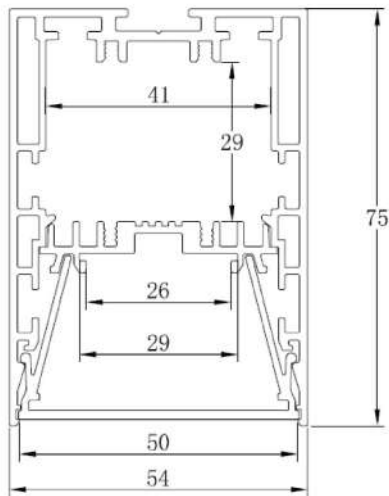




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MAN516/2M

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

MAN516/4M

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

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 : MAN546 - 60W Non-Dim 24V
- Slimline driver fits into the upper compartment in profile

Other Components:

- MAN542/2M – Suspension sets
- MAN516/DIFF - Spare Diffusers
- MAN006 – 5core black cable 1.8mm, to be used with Dali dim driver

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

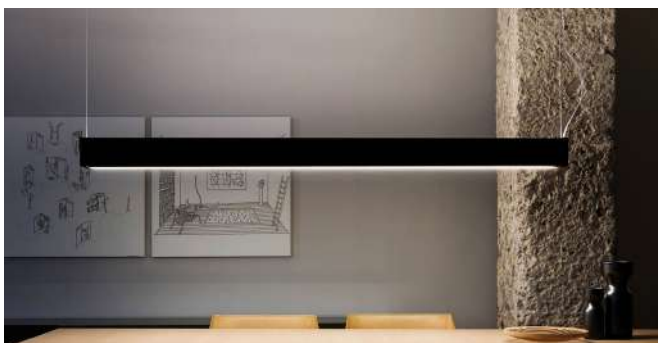


Grating



Grating Light Module

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





MAN500

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 31,6mm

Length: 2000mm

Installation: Office, Boardroom, Supermarket, home etc.

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

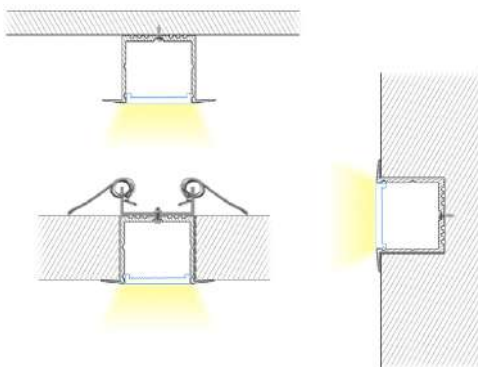
Height: 34,9mm

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

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



Installations:



Accessories:



Cover



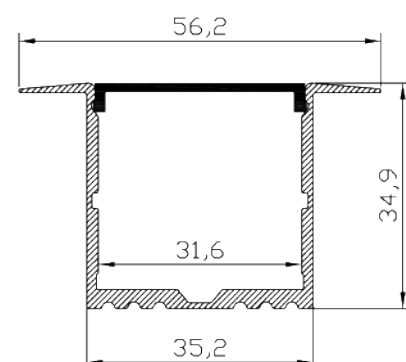
End Cap



Aluminum Profile



Mounting Clip (metal)





MAN505

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 11.7mm

Length: 2000mm

Installation: Office, Boardroom, Supermarket, home etc.

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

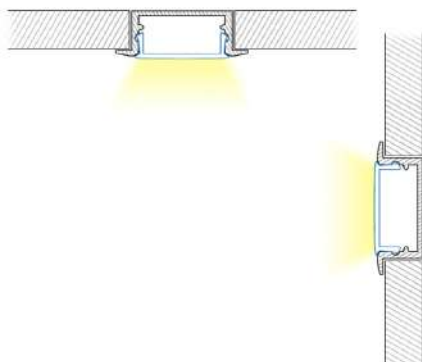
Height: 8,8mm

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

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



Installations:



Accessories:



Cover



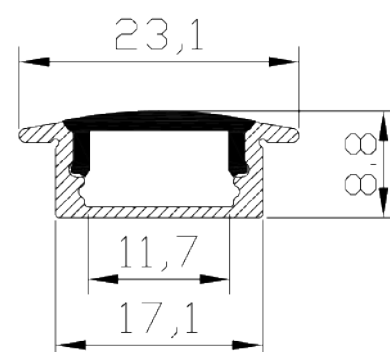
End Cap



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

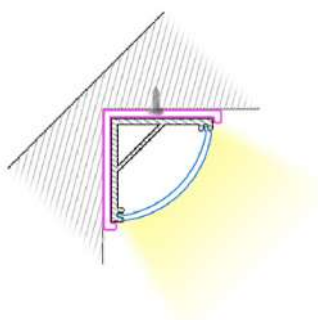
Height: 16mm

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

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



Installations:



Cover



Connector 3



Connector 2



Connector 1



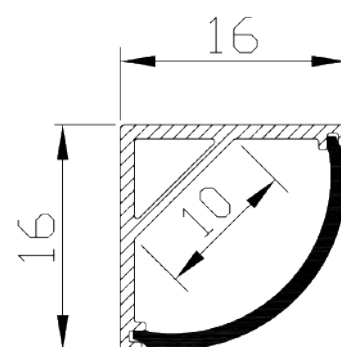
End Cap



Aluminum Profile



Mounting Clip (metal)





MAN507

Aluminium Profile

Material: AL6063+PC/PMMA

Surface: Anodized/Powder Coated

Inner Width: 11,7mm

Length: 2000mm

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

Width: 17mm

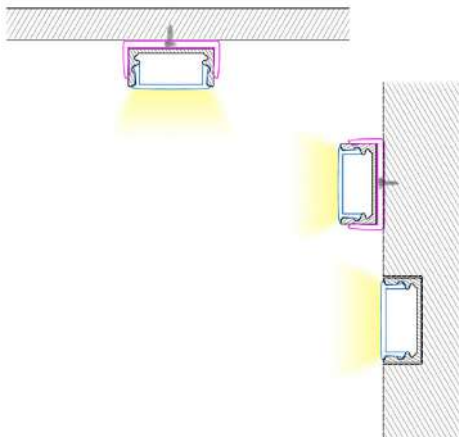
Height: 9mm

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

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



Installations:



Accessories:



Cover



Connector "L"



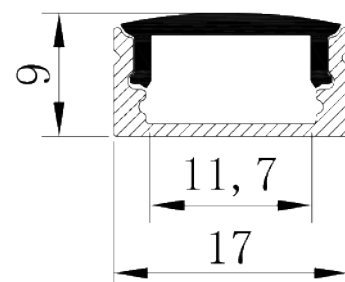
Connector "I"



End Cap



Mounting Clip (metal)





MAN520

Aluminium Profile

Material: AL6063+PC

Surface: Anodized/Powder Coated

Lighting Source Width: 40mm

Length: 2000mm

Installation: Office, Boardroom, Supermarket, home etc.

Width: 50mm

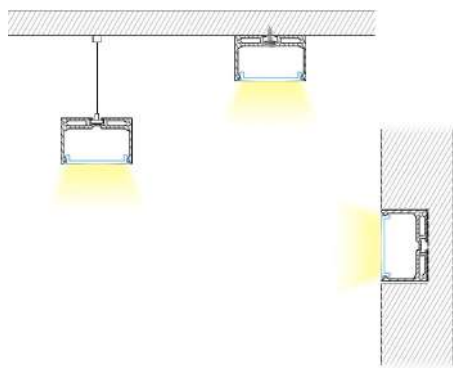
Height: 32,2mm

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

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



Installations:



Accessories:



Cover



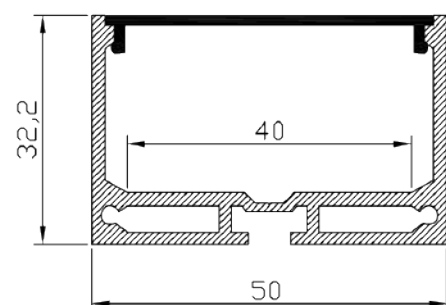
Connector



Suspended Rope



End Cap





MAN524

Aluminium Profile

Material: AL6063+PC

Surface: Anodized/Powder Coated

Inner Width: 17mm

Length: 2500mm

Installation: Office, Boardroom, Supermarket, home etc.

Width: 20,3mm

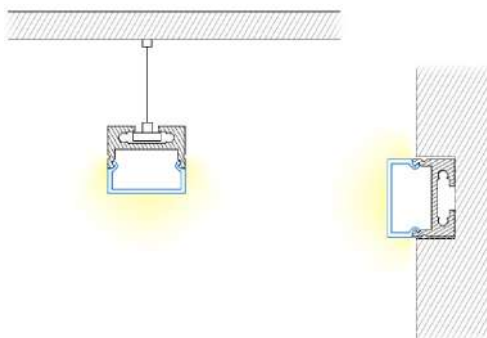
Height: 11mm (19.4mm with diffuser)

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

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



Installations:



Accessories:



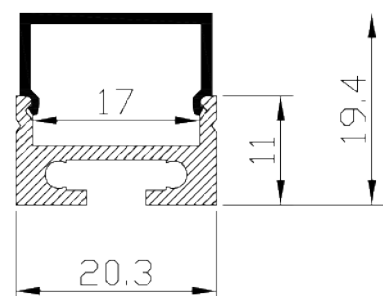
Cover

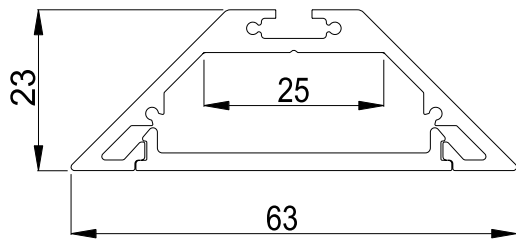


Connector



End Cap





MAN525/ALU MAN525/04 Black



Profile
Code: MAN525
2500MM X 1Pcs



Cover
Code: MAN525
2500MM X 1Pcs

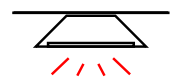
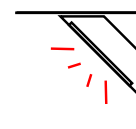
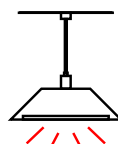
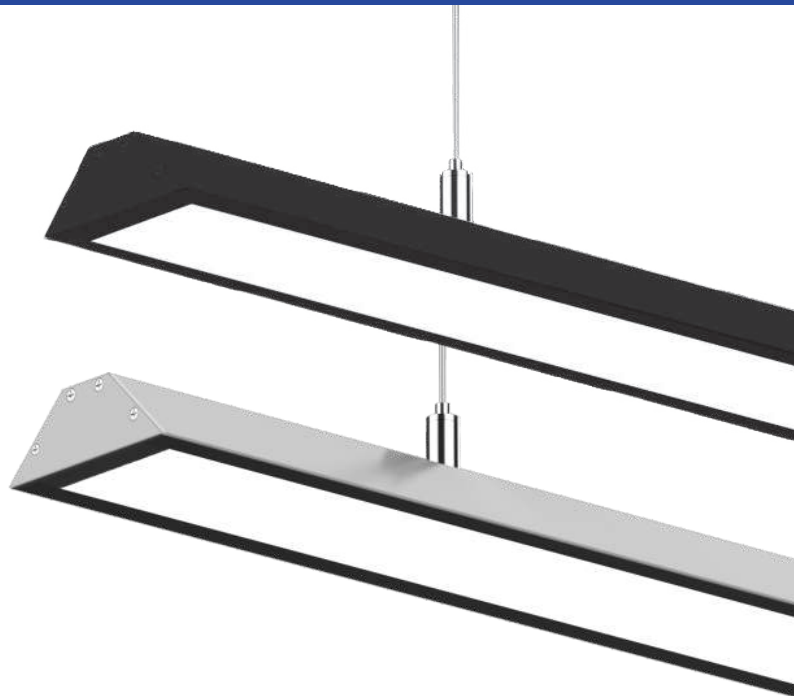


End cap
Code: MAN526



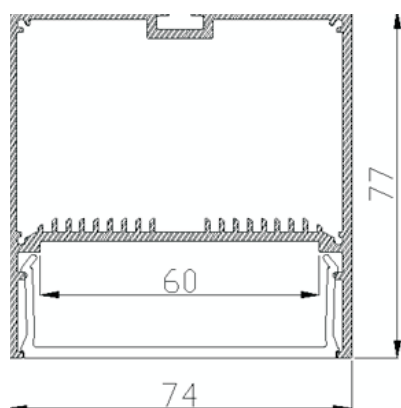
Suspension Wire
2000mm

MAN542/2M
MAN542/04/2m 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.

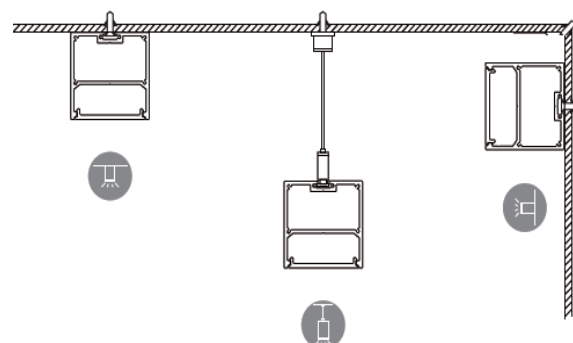


MAN540/ALU MAN540/04 Black

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



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



Installation Instructions:

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

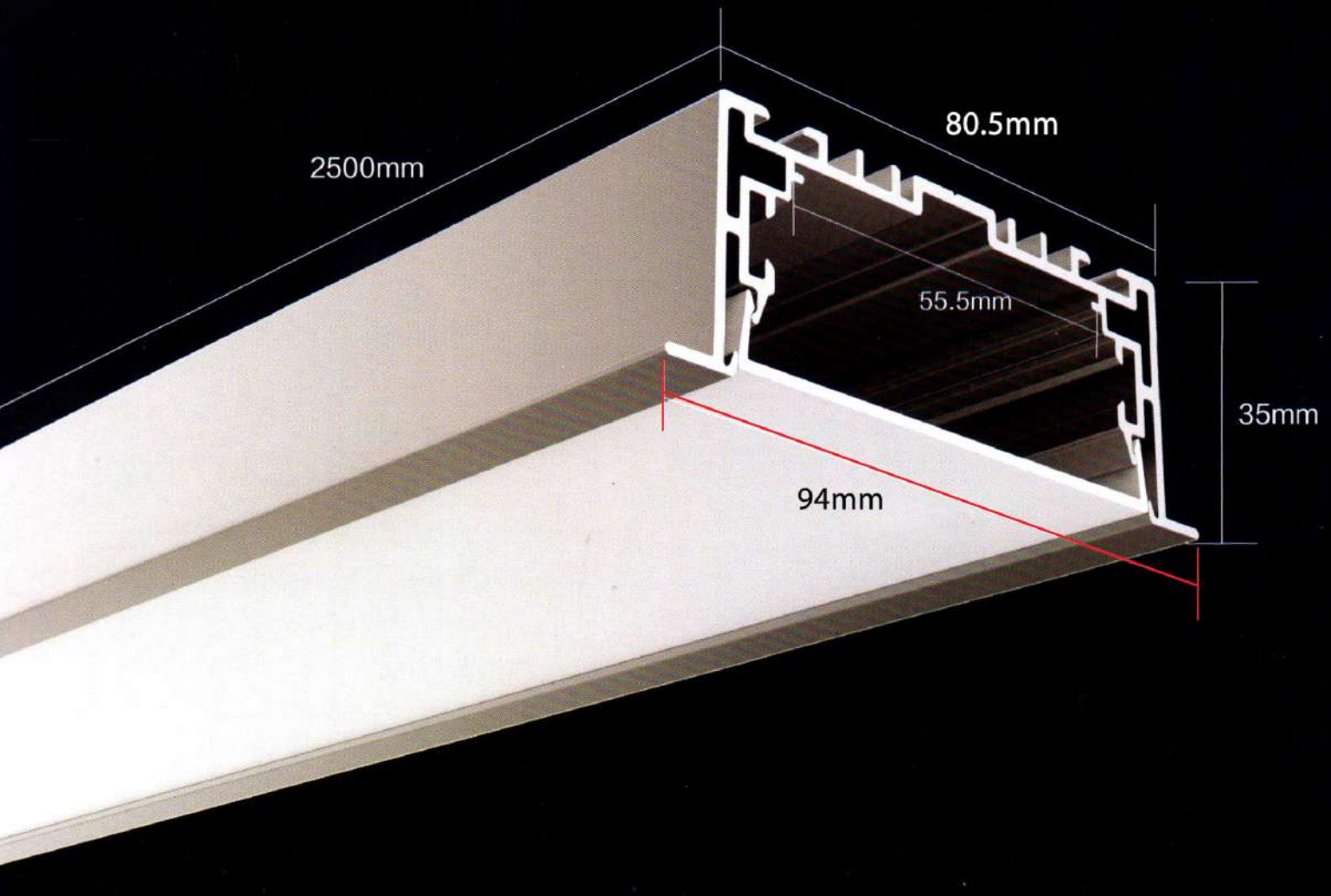
DRIVER: MAN546

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

DRIVER: MAN545/Dali Driver

- 65W Dali dimmable driver





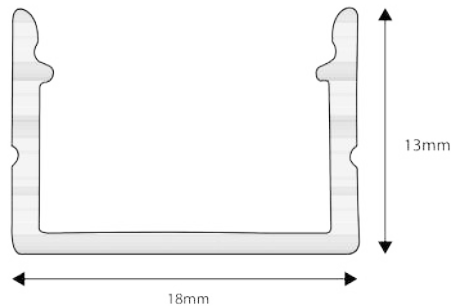
Installation Instructions:

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

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



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



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



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



Installation Instructions:

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

WATERPROOF LED TAPELIGHT

SPECIFICATIONS:

- Uniform light distribution
- 160° beam angle
- Operating temperature: 20~45°C

Input Voltage: 24VDC

Rated Current: 0.46A(1meter) / 6.9A(15meter)

Typical Power: 11W(1meter) / 165W(15meter)

Power Range: 10-12W Per Meter

Max Power: 12W Per Meter

CRI: >80

Max Length: 15 000mm

Cutting unit: 42mm

Min bend radius: 60mm

IP Rating: IP67

MAN210:

CCT: 4000K - NW

Lumen/M: 830

Lm/W: 75



MAN211:

CCT: 3000K - WW

Lumen/M: 800

Lm/W: 73



ACCESSORIES:

PC Clips



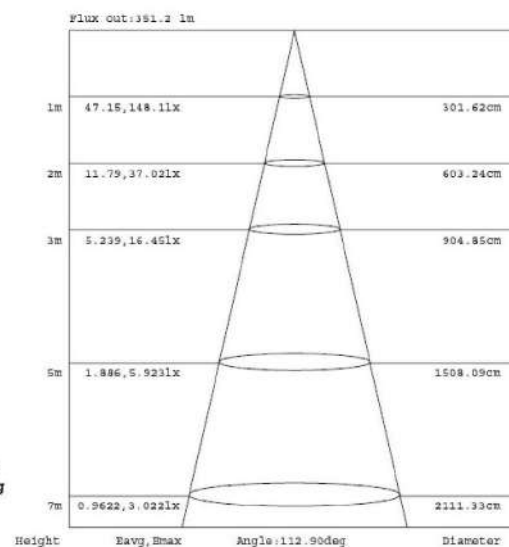
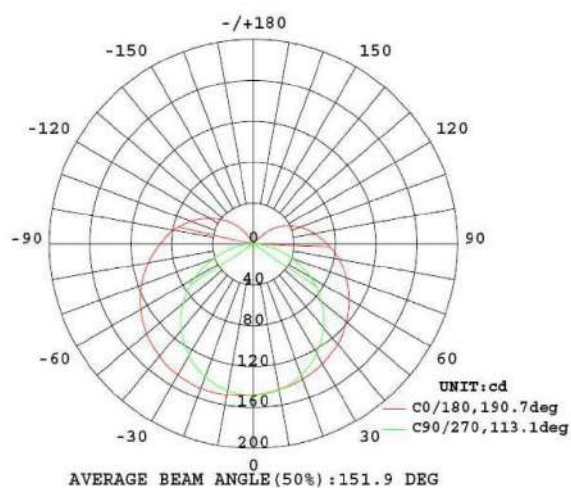
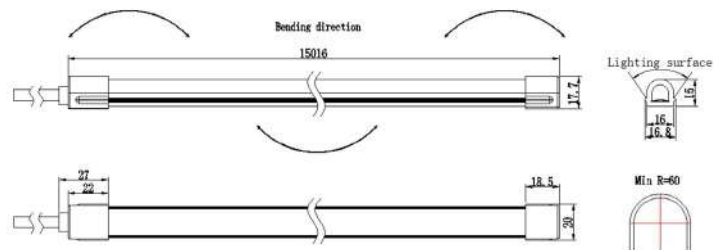
Profile



End Cap



Wire Cable



MAN573 - 24V - 8MM - 3000K

LED full spectrum strip

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

BASIC PARAMETERS:

Size: L: 5000mm x W:8 mm

Cutting unit: 50mm/8LED's

Input Voltage: 24VDC

IP Rating: IP33 Non-Waterproof

LED: 2835

PHOTOELECTRIC PARAMETERS:

CCT: 3000K

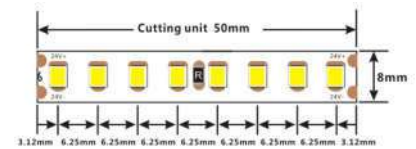
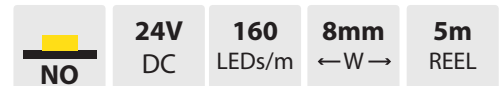
Lumens: 990Lm

Lm/W: 90

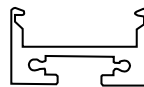
CRI: >98

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

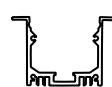
Power Range: 9.6~12W Per Meter



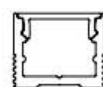
RECOMMENDED PROFILES:



MAN524



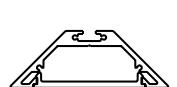
MAN500



WD500



MAN520



MAN525

MAN574 - 24V - 8MM - 4000K

LED full spectrum strip

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

BASIC PARAMETERS:

Size: L: 5000mm x W:8 mm

Cutting unit: 50mm/8LED's

Input Voltage: 24VDC

IP Rating: IP33 Non-Waterproof

LED: 2835

PHOTOELECTRIC PARAMETERS:

CCT: 4000K

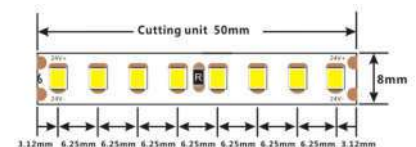
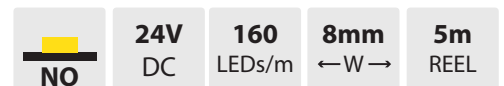
Lumens: 1050Lm

Lm/W: 95

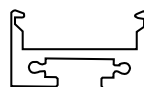
CRI: >98

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

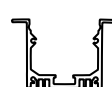
Power Range: 9.6~12W Per Meter



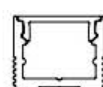
RECOMMENDED PROFILES:



MAN524



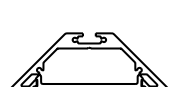
MAN500



WD500



MAN520



MAN525

MAN575 - 24V - 8MM - 3000K

LED Tapelight

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

BASIC PARAMETERS:

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

PHOTOELECTRIC PARAMETERS:

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

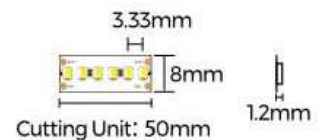


24V
DC

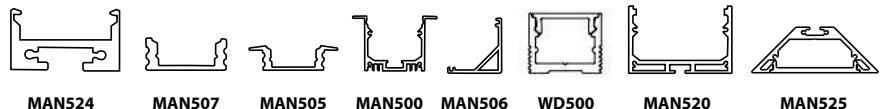
120
LEDs/m

8mm
←W→

5m
REEL



RECOMMENDED PROFILES:



MAN576 - 24V - 8MM - 4000K

LED Tapelight

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

BASIC PARAMETERS:

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

PHOTOELECTRIC PARAMETERS:

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

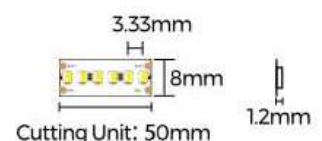


24V
DC

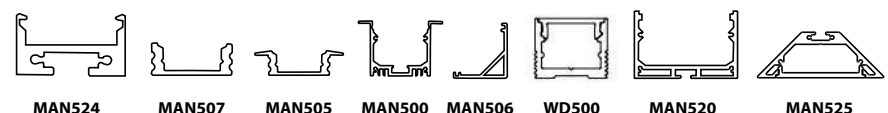
120
LEDs/m

8mm
←W→

5m
REEL



RECOMMENDED PROFILES:



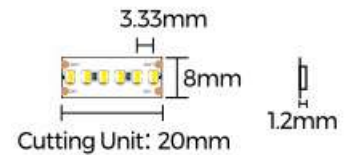
MAN577 - 24V - 8MM - 3000K

LED Tapelight

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

BASIC PARAMETERS:

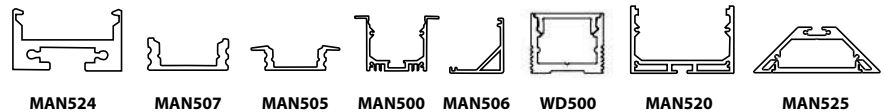
Size: 5000mm x 8mm x 1.2mm
 Cutting Unit: 6LEDs/20mm
 Input Voltage: 24VDC
 Input Current: 0.54A/1m & 2.7A/5m
 Typ power: 13W/m
 Max power: 14W/m
 Bend Diameter: >60mm



PHOTOELECTRIC PARAMETERS:

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

RECOMMENDED PROFILES:



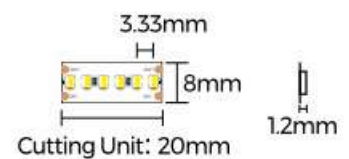
MAN578 - 24V - 8MM - 4000K

LED Tapelight

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

BASIC PARAMETERS:

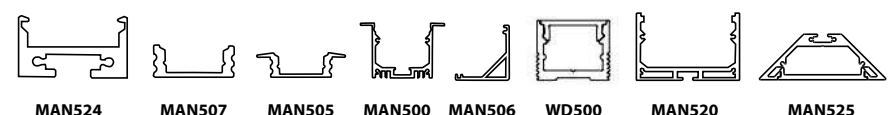
Size: 5000mm x 8mm x 1.2mm
 Cutting Unit: 6LEDs/20mm
 Input Voltage: 24VDC
 Input Current: 0.54A/1m & 2.7A/5m
 Typ power: 13W/m
 Max power: 14W/m
 Bend Diameter: >60mm



PHOTOELECTRIC PARAMETERS:

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

RECOMMENDED PROFILES:





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.



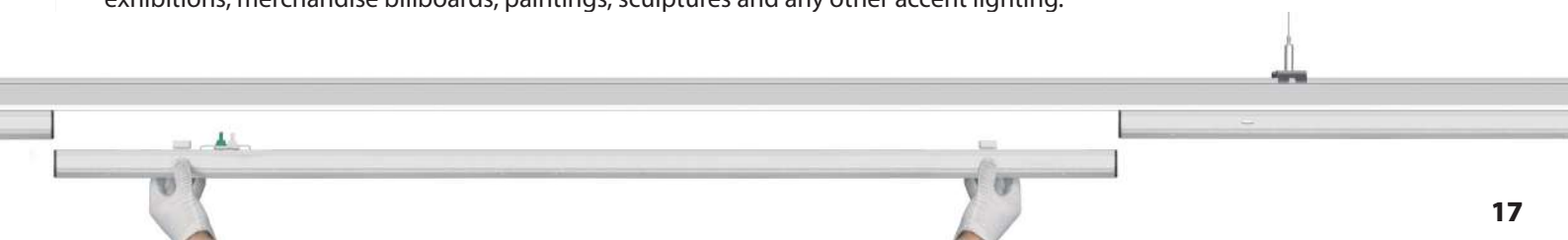
Trunking Rail

- 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, paintings, sculptures and any other accent lighting.



Available in the Following Options

- 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, DIMswitch dimmable optional
- Sensors: Daylight & Microwave
- 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

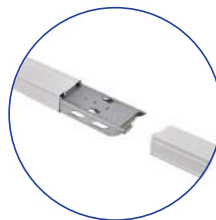
Components



Fixture



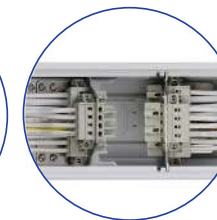
Trunk Rail



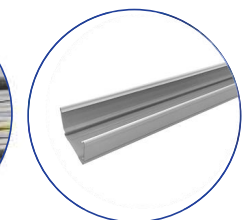
Linkable



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




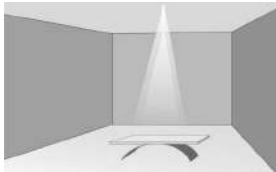
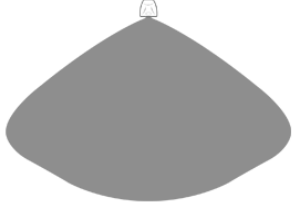










End cap /Blank cover



Node Connector: L/T/X

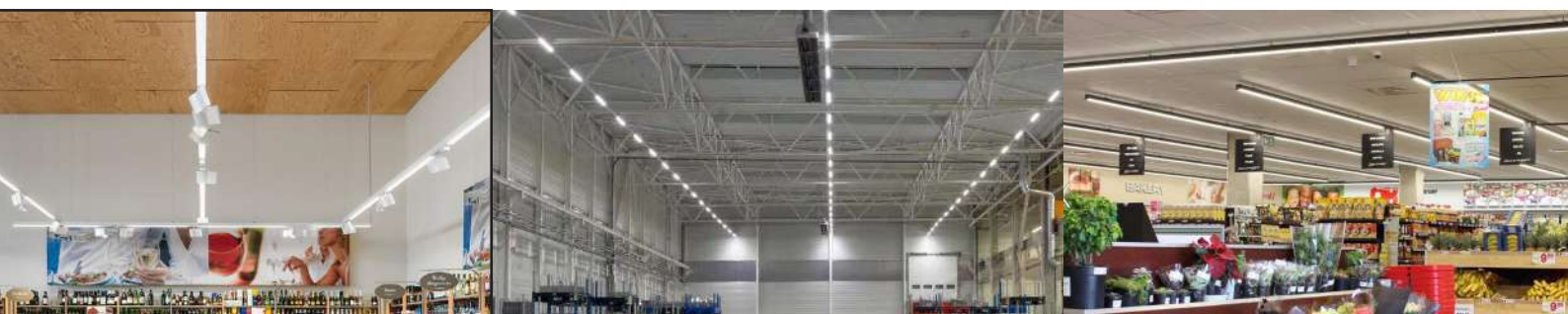


Beam Angles

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.

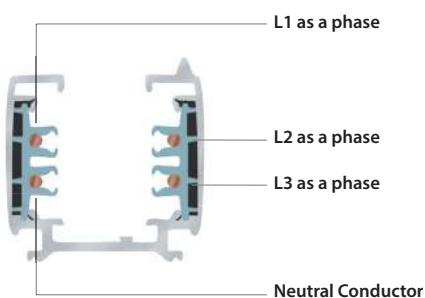
Benefits

- 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.
- The T-line can be used on existing track rails.

Track Rail - 4 Wire



Application Areas

- Commercial
- Shops
- Showrooms
- Other indoor lighting



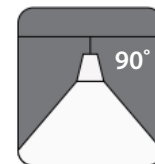
Specifications - 20W

- Beam Angle: Wide - 90°
- UGR: <19
- Lumens Per Watt: 160
- Power: 20W
- Lumens: 3000lm
- Input Current: 0.30A Max
- Efficiency: 87%
- CCT: 3000K / 4000K / 6000K
- L: 600mm x W:60mm x H:11mm

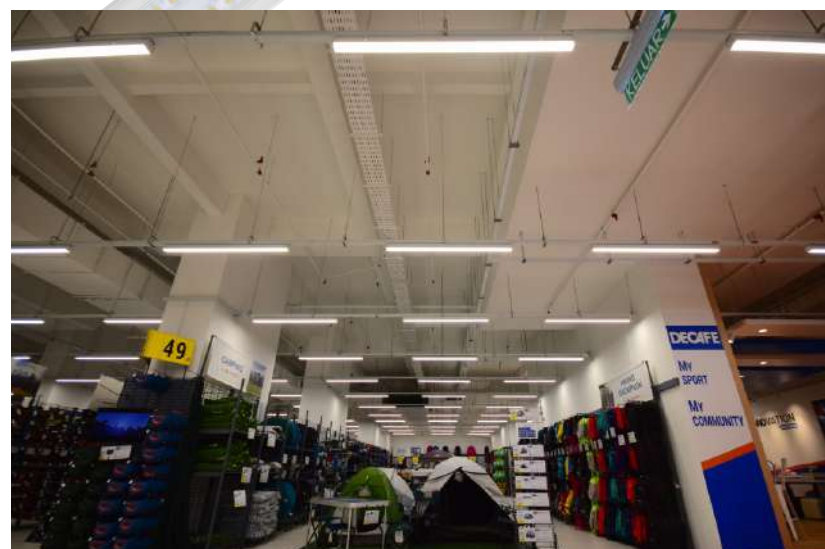
- Output selectable by DIP switch.
- Constant current LED driver.
- Universal voltage input range.
- Steel casing driver, encapsulated.
- Over voltage protection with automatic restart.
- Overload protection Short-circuit protection with automatic restart.
- Life time: 50,000 h
- 5 year warranty
- Power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

Specifications - 50W

- Beam Angle: Wide - 90°
- UGR: <19
- Lumens Per Watt: 160
- Power: 50W
- Lumens: 7500lm
- Input Current: 0.75A Max
- Efficiency: 88%
- CCT: 4000K
- L: 1500mm x W:60mm x H:11mm



160lm/W



JIN101

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



JIN103

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



JIN108

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



JIN109

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



JIN121

Matt White Tilt Downlight
50W Max
MR16 / GU10
Diameter: 84mm
Cut-out: 73mm



JIN120

Matt White Fixed Downlight
50W Max
MR16 / GU10
Diameter: 78mm
Cut-out: 60mm



JIN171

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



JIN172

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



JIN173

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



JIN174

White Tilt Downlight
Pure Aluminium
12V ~ 50W - MR16 / GU5.3
Diameter: 92mm
Cut-out: 75mm



JIN175

Matt White Fixed Downlight
50W Max GU10
Diameter: 85mm
Cut-out: 75mm



JIN177

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



JIN162

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



JIN164

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



JIN210

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



JIN216

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



JIN215

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



JIN165

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



JIN166

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



JIN168

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



JIN650

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 7W LED GU10

Voltage: 220V/230V ~ 50Hz

Lamp Body Material: Aluminum Alloy

IP Rating: IP65

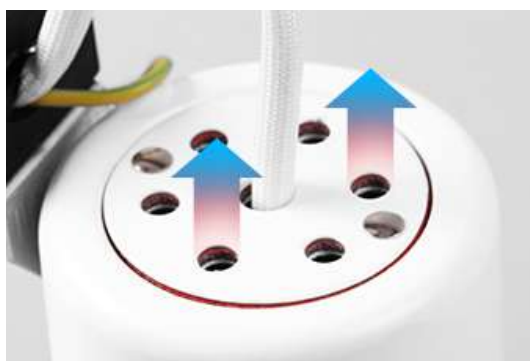
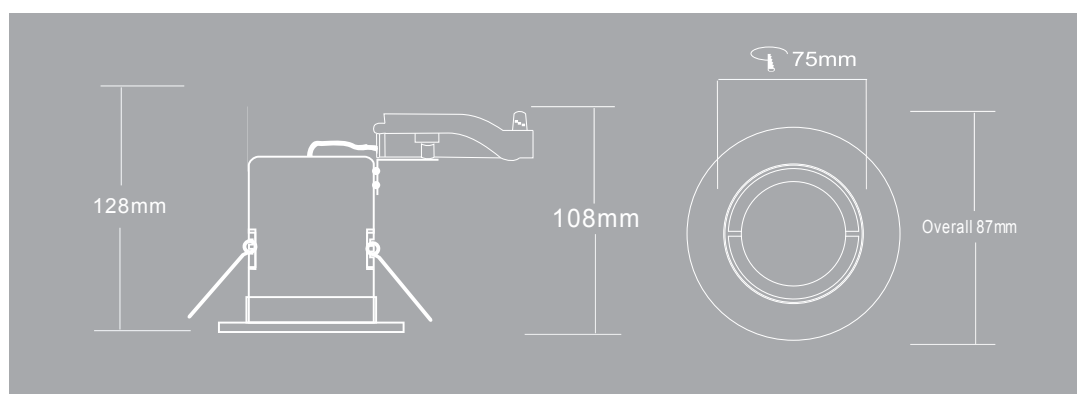
Certification: CE, EMC, LVD, RoHS, REACH, VDE

Warranty: 2 Years

Lampholder: GU10

Diameter: 87mm

Cut-out: 75mm



JIN655

Fire Rated GU10 Downlight

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

Light Source: GU10 Lamps - Suitable for 7W LED GU10

Voltage: 220V/230V ~ 50Hz

Lamp Body Material: Aluminum Alloy

IP Rating: IP65

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

Warranty: 2 Years

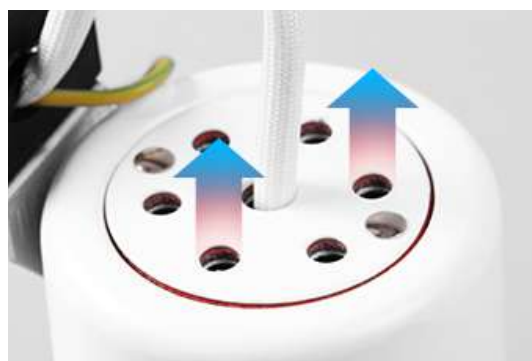
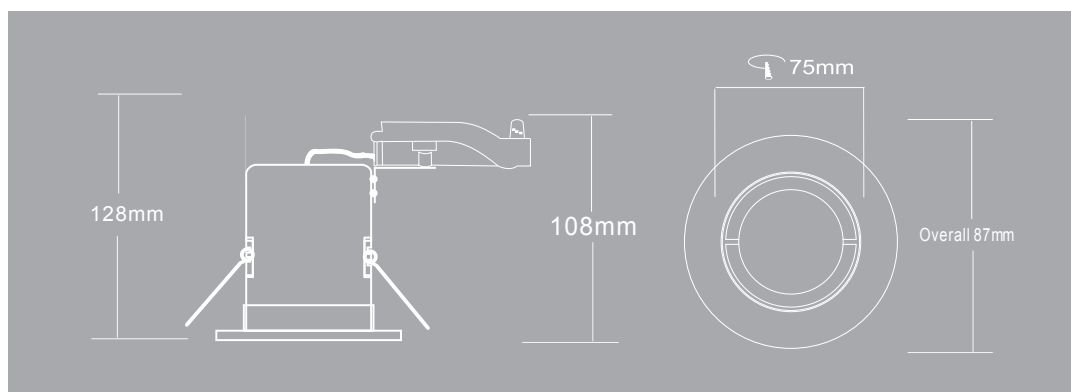
Lampholder: GU10

Diameter: 87mm

Cut-out: 75mm

CRI: >90

**Fire
Rated**





JIN235

Fire Rated LED 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

Wattage: 10.8W

Color Temperature(CCT): 3000K

Voltage: 220-240v

CRI (Ra>): 80

Base type: COB

Lifespan: 50 000Hrs

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

LED Light Source: CITIZEN

IP Rating: IP65

Warranty: 5 Years

Diameter: 83mm

Cut-out: 68mm

Adjustable or Fixed: Fixed

Material: Aluminium

URG: <14





JIN212

Fire Rated LED 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

Wattage: 10.8W

Voltage: 220-240v

Light Source: LED

Lamp Luminous Flux(lm): 800

CRI (Ra>): 80

Lifespan: 50 000Hrs

Lamp Body Material: Aluminum

IP Rating: IP65

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

LED Light Source: CITIZEN

Lamp Luminous Efficiency(lm/w): 80

Color Temperature(CCT): 3000K

Diameter: 83mm

Cut-out: 68mm

Warranty: 5 years

URG: <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



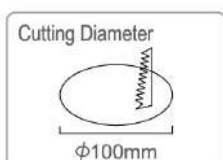
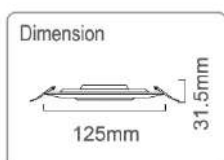
AcTEC Non-Dimmable LED Driver



TLQ100 - 4000K TLQ101 - 3000K

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

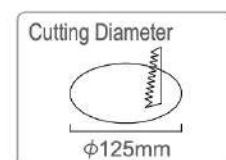
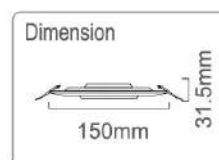
Input Voltage: AC180V - 265V, 50/60Hz
Operating Temperature: -10°C to $+45^{\circ}\text{C}$
Retro built-in high efficiency driver
Connection: Push-in connector
Beam Angle: 120°
86% Energy Saving
Robust Design
30 000Hr Average Lifespan
3 Year Warranty
Anti-Glare Diffuser
PF: >0.9



TLQ105 - 4000K TLQ106 - 3000K

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

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
30 000Hr Average Lifespan
3 Year Warranty
Anti-Glare Diffuser
PF: >0.9

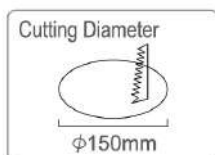
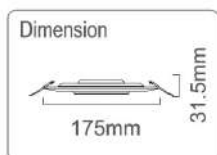




TLQ110 - 4000K TLQ111 - 3000K

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

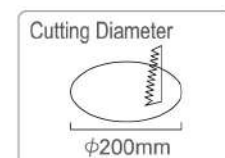
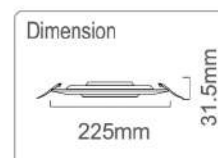
Input Voltage: AC180V - 265V, 50/60Hz
Operating Temperature: -10°C to $+45^{\circ}\text{C}$
Retro built-in high efficiency driver
Connection: Push-in connector
Beam Angle: 120°
86% Energy Saving
Robust Design
30 000Hr Average Lifespan
3 Year Warranty
Anti-Glare Diffuser
PF: >0.9



TLQ115 - 4000K TLQ116 - 3000K

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

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
30 000Hr Average Lifespan
3 Year Warranty
Anti-Glare Diffuser
PF: >0.9

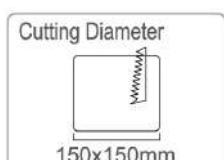
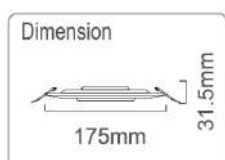




TLQ135

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

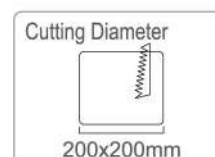
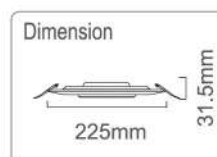
Input Voltage: AC180V - 265V, 50/60Hz
Operating Temperature: -10°C to +45°C
Retro built-in high efficiency driver
Connection: Push-in connector
Beam Angle: 120°
86% Energy Saving
Robust Design
30 000Hr Average Lifespan
3 Year Warranty
Anti-Glare Diffuser
PF: >0.9



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
30 000Hr Average Lifespan
3 Year Warranty
Anti-Glare Diffuser
PF: >0.9





SCL702

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



SCL703

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





SCL704

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



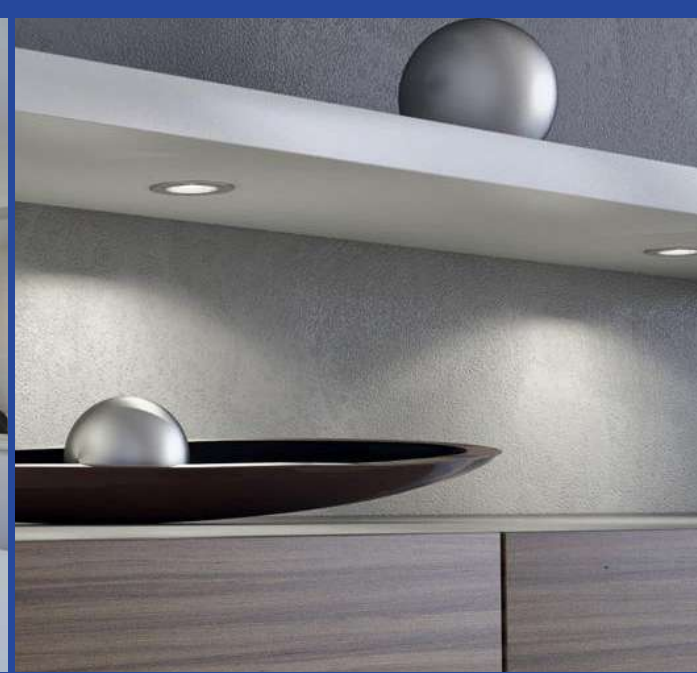
LED

SCL705

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



LED



Pure Aluminium Downlights

KK112

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



KK113

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



KK114

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



KK115

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



WXX100 - 3000K

WXX101 - 4000K

Adjustable LED downlighter - Round

Body: White non-corrosive plastic

Lifespan: 20 000 - 25 000Hrs

Recessed

7W - Output: 6.5W

230V

IP20

500 Lumen

Beam Angle: 38°

Diameter: Ø 95mm

Cut-out: 75mm

Depth: 47mm

NON DIMMABLE



WXX102 - 3000K - DIM

WXX103 - 4000K - DIM

Adjustable LED downlighter - Round

Body: White non-corrosive plastic

Lifespan: 20 000 - 25 000Hrs

Recessed

7W - Output: 6.5W

230V

IP20

500 Lumen

Beam Angle: 38°

Diameter: Ø 90mm

Cut-out: 75mm

Depth: 47mm

DIMMABLE WITH SHUTTLE DIMMER



WXX105 - 3000K

WXX106 - 4000K

Adjustable LED downlighter - Square

Body: White non-corrosive plastic

Lifespan: 20 000 - 25 000Hrs

Recessed

7W - Output: 6.5W

230V

IP20

500 Lumen

Beam Angle: 38°

Diameter: 95 x 95mm

Cut-out: 75mm

Depth: 47mm

NON DIMMABLE





WXX107 - 3000K - 12W

WXX108 - 4000K - 12W

Adjustable LED downlighter - Round
Body: Plastic coated aluminium+PMMA
Average Lifespan: 25 000Hrs
Flicker Free
230V ~ 50/60Hz
Power Factor: >0.5
CRI: >80
12W LED
800 Lumen
Beam Angle: 38°
Diameter: Ø140mm
Cut-out: 115mm
Depth: 50mm
IP40
NON DIMMABLE



WXX121 - 6W

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



WXX123 - 9W

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



WXX125 - 15W

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



WXX127 - 18W

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



WXX128 - 24W

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



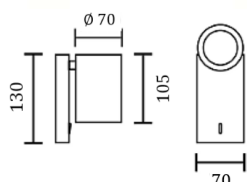
MAN385

Material: Aluminium
 Body: White outer / Black inner
 Class: I
 Lamp Base: GU10 Max 50W
 IP Rating: IP20
 Input: 220-240V AC
 Diameter: 70mm
 Height: 110mm



MAN387

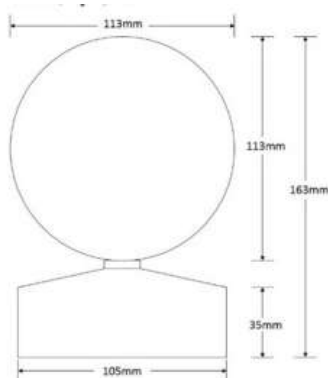
Material: Aluminium
 Body: White with Black Inner & Black Rod with switch
 Class: I
 Lamp Base: GU10 Max 50W
 Head Diameter: 70mm
 Head Length: 105mm
 Fitting Height: 130mm
 IP Rating: IP20
 Input: 220-240V AC



MAN410 - 3000K

MAN411 - 4000K

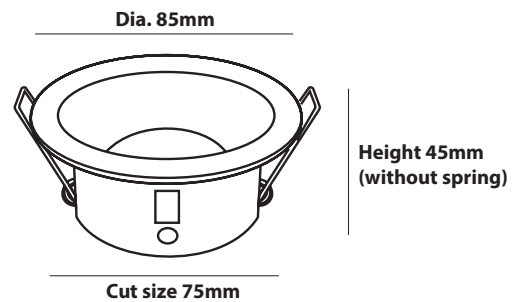
Material: Aluminium & Plastic
 Finish: White
 Integrated LED
 Input: 220-240V ~ 50/60Hz
 ta45°C
 Wattage: 8W - 700mA
 Lumen Output: 300Lm
 CRI: >70
 LED Driver included
 Diameter: 113mm
 Depth: 163mm
 Length: 105mm



LED

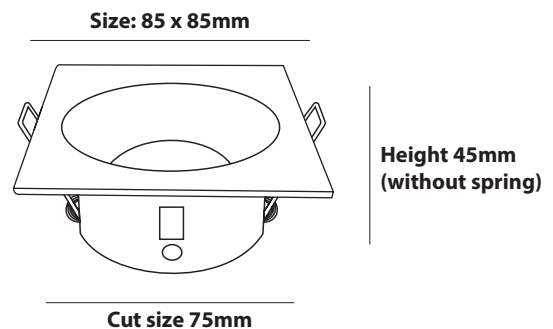
DL1010 - Round

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



DL1011 - 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 side screw
JIN002**

KK1921

LED

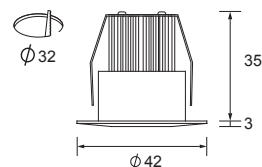


1W
3000K/4000K
90 Lumen

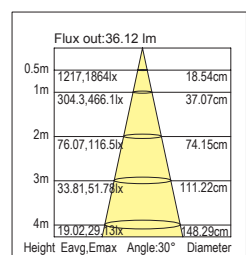
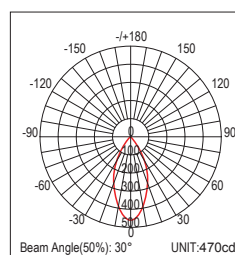
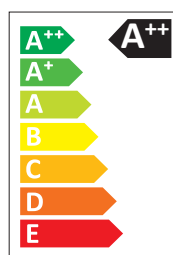
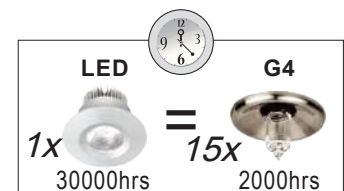
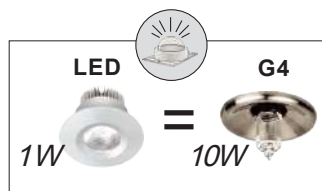
SAL

WH

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



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



Approval Marks



Certified

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

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

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

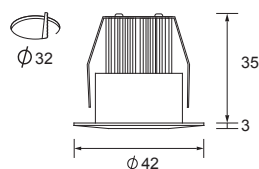
KK1922

LED

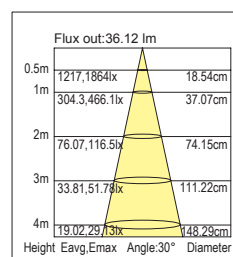
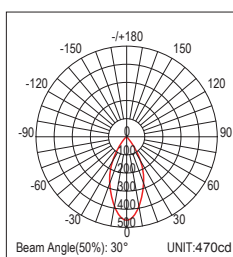
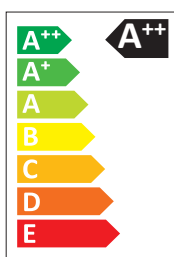
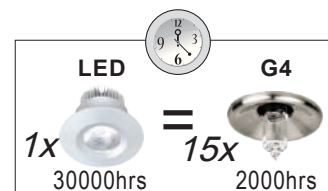
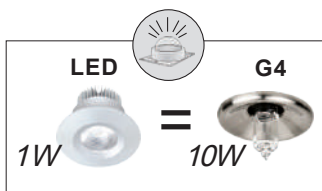


1W
4000K
90 Lumen

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

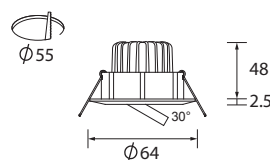
LED



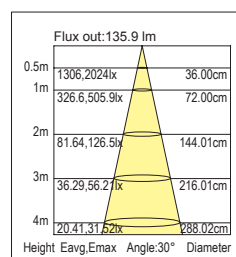
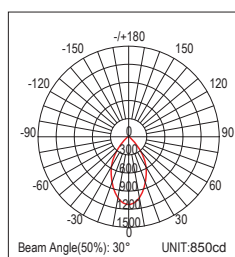
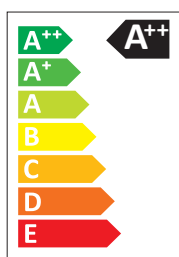
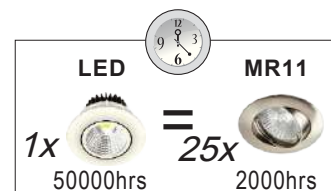
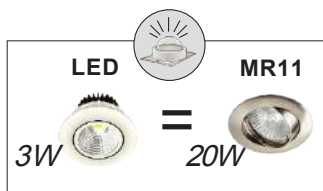
MAL

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

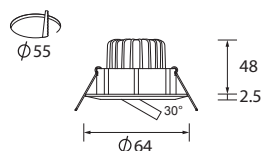
LED



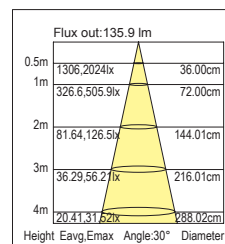
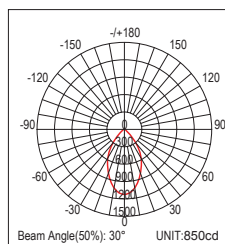
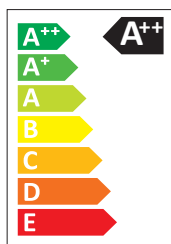
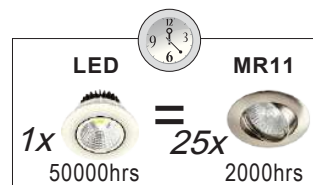
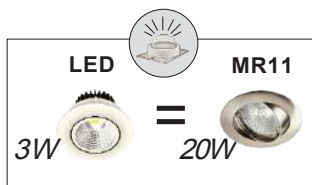
MAL

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



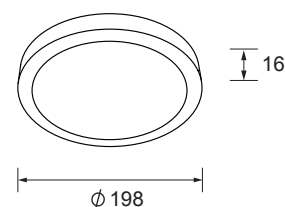
Certified

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

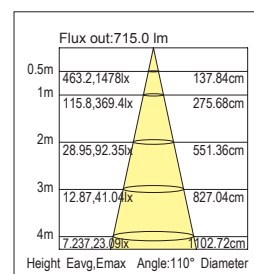
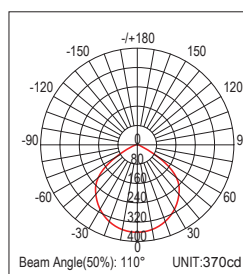
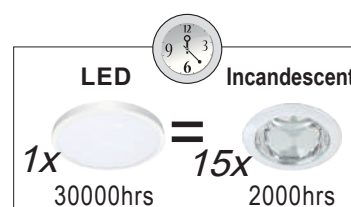
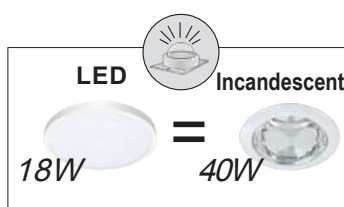
KK1917

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
EN61347-2-13:2014

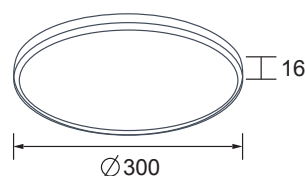
KK1918

LED

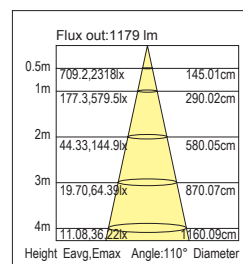
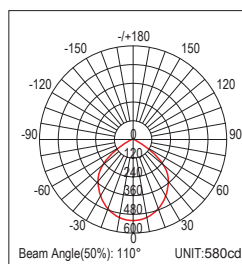
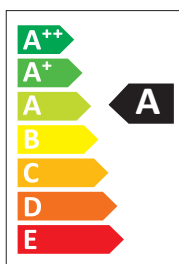
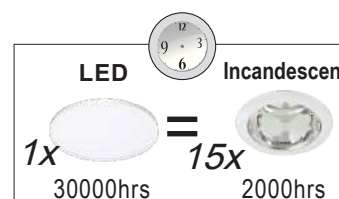
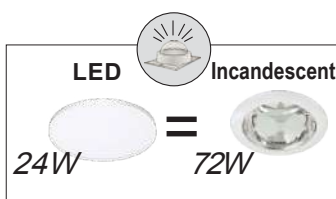


NEW
Shallow
Surface

Item No.	Color	Kelvin	Beam angle
KK1918	MWH	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	15,000 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
EN61347-2:13:2014

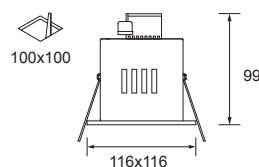
EN 55015:2013
EN 61547:2009
EN 61000-3-2:2014
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KK1928

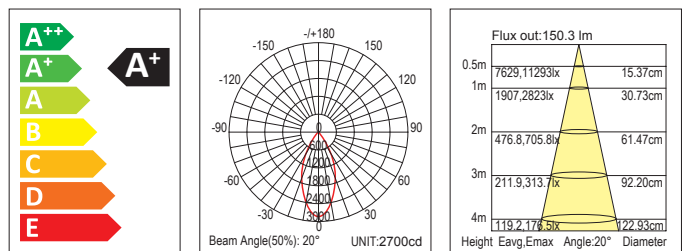
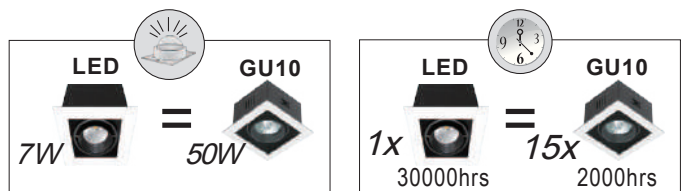
LED



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	30,000 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
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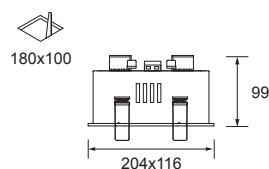
EN 55015:2013
 EN 61547:2009
 EN 61000-3-2:2014
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KK1929

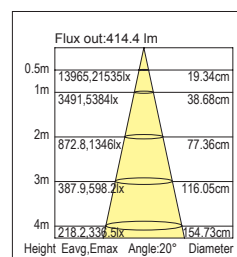
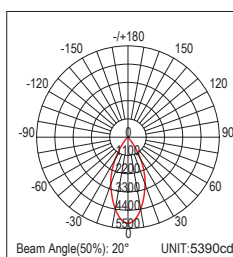
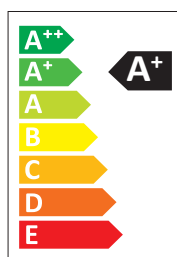
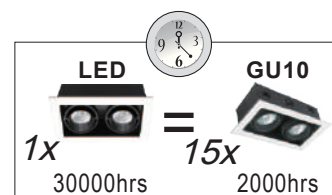
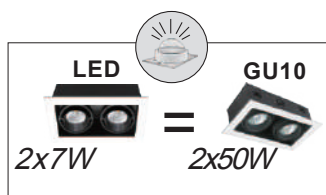
LED



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



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



Approval Marks



Certified

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

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

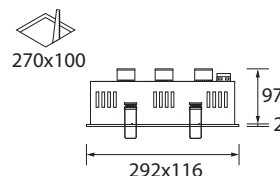
EN61347-1:2008+A1:2011+A2:2013
EN61347-2-13:2014

KK1925

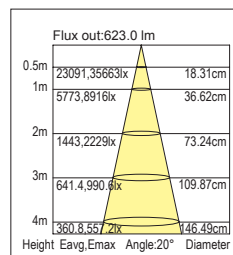
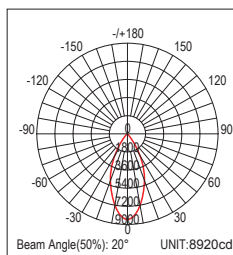
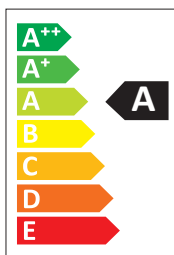
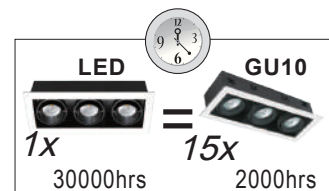
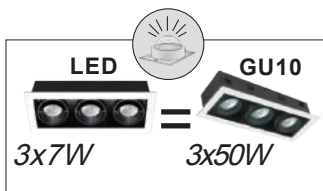
LED



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



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



Approval Marks



Certified

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

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

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

KK1937

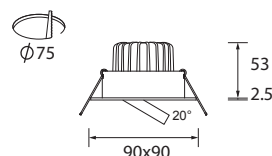
LED



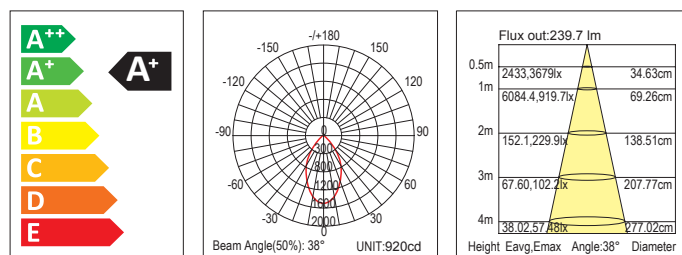
LAL/MAL

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

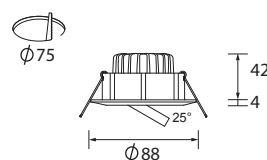
KK1934

LED

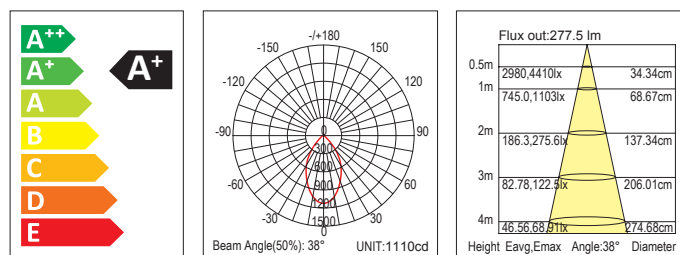


6W
50 000Hr
650 Lumen
3000K/4000K

Item No.	Color	Kelvin	Beam angle
KK1934	MWH	3000K/4000K	38°



General information:	
Item No.	KK1934
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 25°
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	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 61347-1:2008+A1:2011+A2:2013
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EN 61547:2009
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EN 61000-3-3:2013

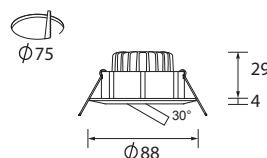
KK1934/DIM

LED

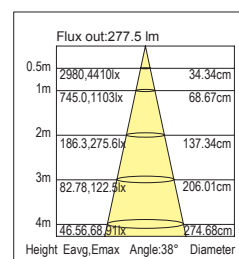
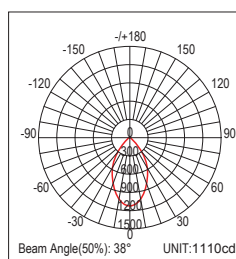
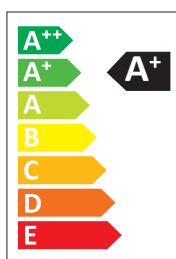
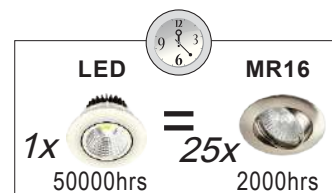
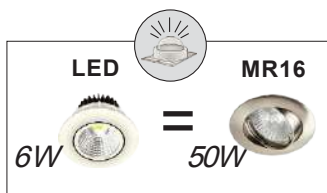


6W
50 000Hr
650 Lumen
3000K

Item No.	Color	Kelvin	Beam angle
KK1934/DIM	MWH	3000K	38°



General information:	
Item No.	KK1934/DIM
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	7.7W
Light technical:	
Input	DC350mA 18V
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	KLP350-6D3, 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)	0.43
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

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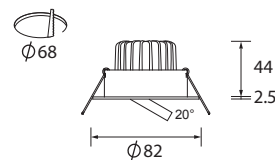
KK1935

LED

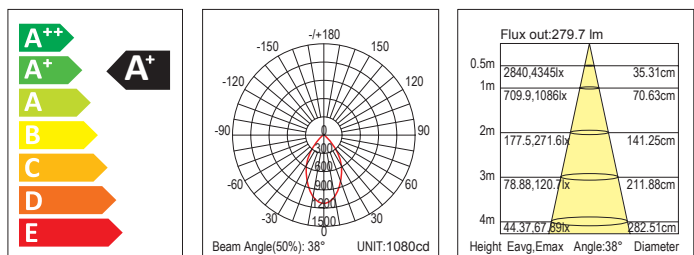


6W
50 000Hr
650 Lumen
3000K/4000K

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
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EN61347-1:2008+A1:2011+A2:2013
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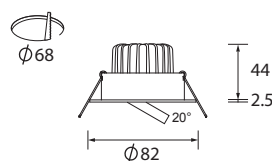
KK1935/Dim

LED

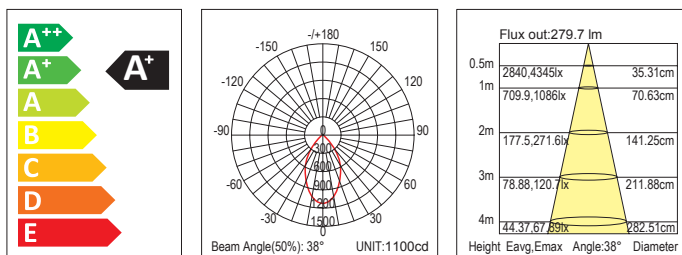


6W
50 000Hr
650 Lumen
3000K

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



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



Approval Marks



Certified

EN 60598-1:2015
EN 60598-2-2:2012
EN 62031:2008/A1:2013
EN 62471:2008
EN 62493:2010
EN 55015:2013
EN 61547:2009
EN 61000-3-2:2014
EN 61000-3-3:2013
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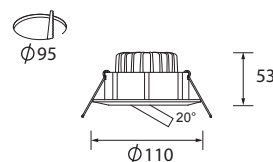
KK1936

LED

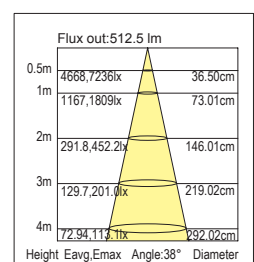
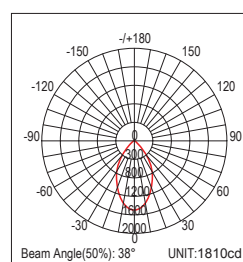
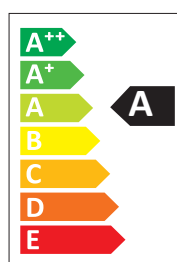
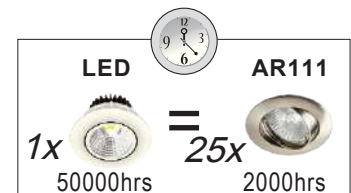
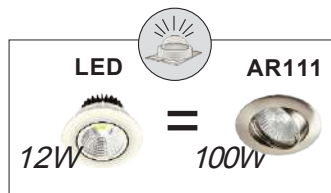


12W
50 000Hr
1000 Lumen
3000K/4000K

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



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



Approval Marks



Certified

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

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

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

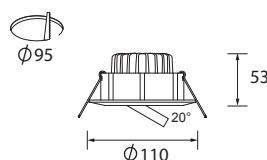
KK1936/DIM

LED

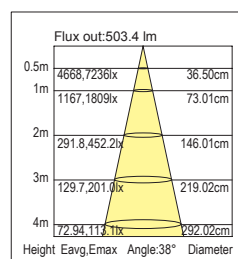
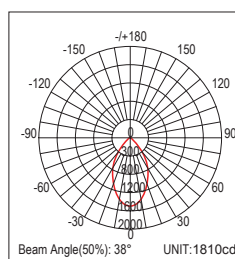
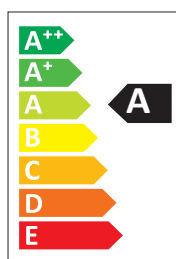
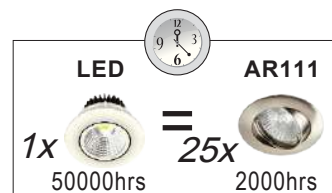
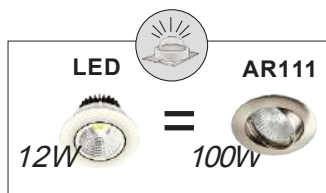


12W
50 000Hr
1050 Lumen
3000K/4000K

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



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



Approval Marks



Certified

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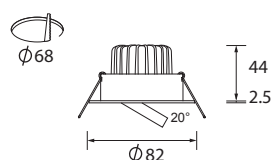
EN 55015:2013
EN 61547:2009
EN 61000-3-2:2014
EN 61000-3-3:2013

KK1947

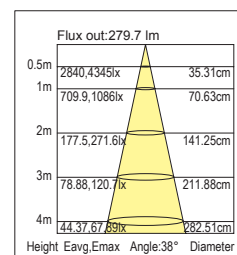
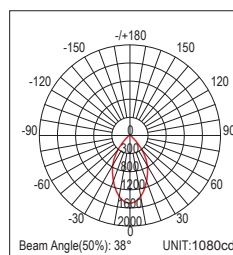
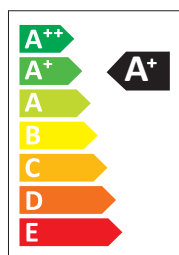
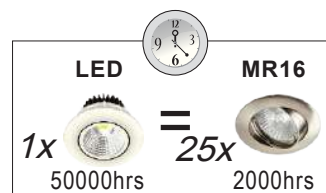
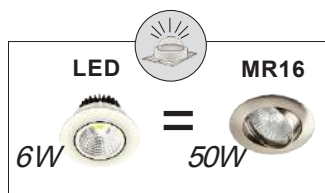
LED



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



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



Approval Marks



Certified

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

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

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

KK1948

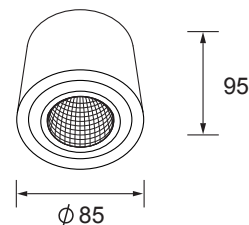
LED



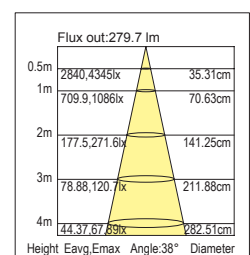
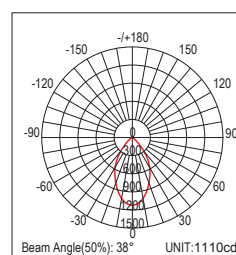
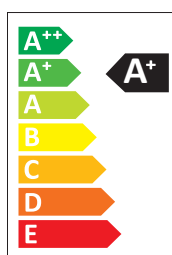
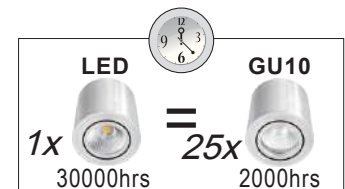
SWH



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

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

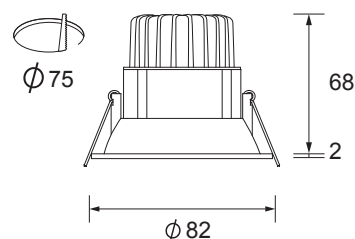
EN61347-1:2008+A1:2011+A2:2013
EN61347-2-13:2014

KK1953

LED

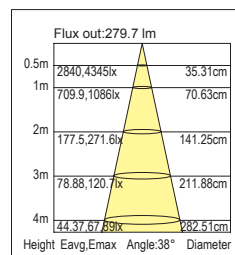
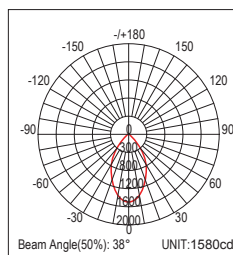
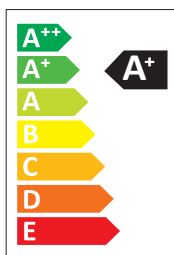
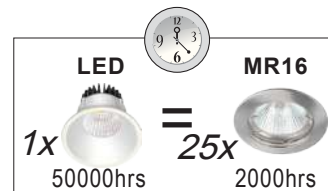
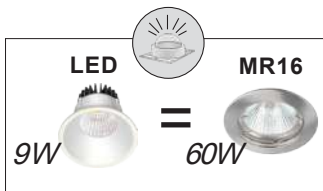


9W
50 000Hr
760 Lumen
3000K



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

KK1956 / KK1957

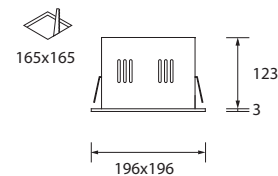
LED



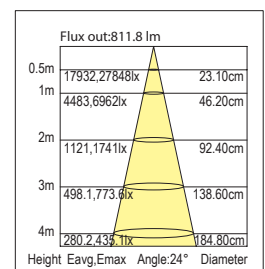
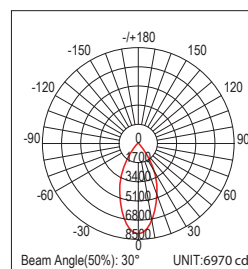
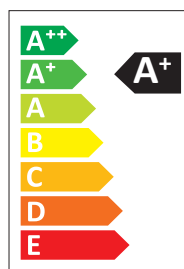
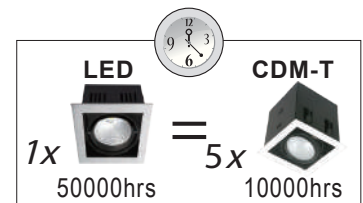
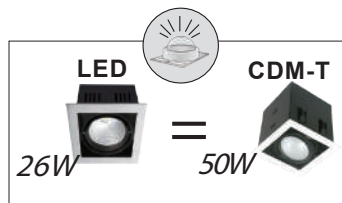
MWH/BK



Item No.	Color	Kelvin	Beam angle
KK1956	MWH/BK	3000K	30°
KK1957	MWH/BK	4000K	30°



General information:	
Item No.	KK1956
Product family code	LED grille light
Installation type	recessed
Shape	square
Adjustable	versatile 30°
Housing material	aluminium
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	25.5W
Light technical:	
Input	AC220-240V
Type of lamps	COB
Number of lamps	1
Rated power	26W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K / 4000K
Total luminous flux	2300lm
Rated luminous flux in 90°	2270lm
Luminous efficacy	90 Lm/W
Beam angle	30°
Light intensity	6970cd
Electrical:	
Power supply	LC 60W 700MA fixC SR SNC
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)	0.061
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
EN61347-2-13:2014

KK1958 / KK1959

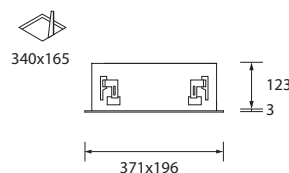
LED



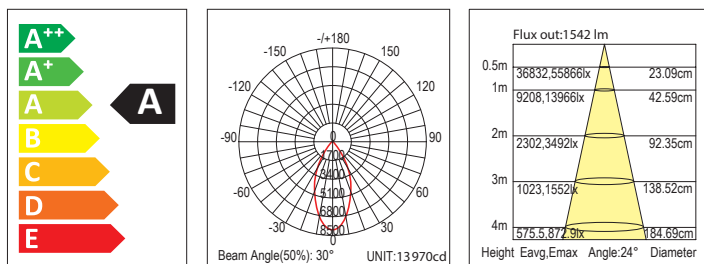
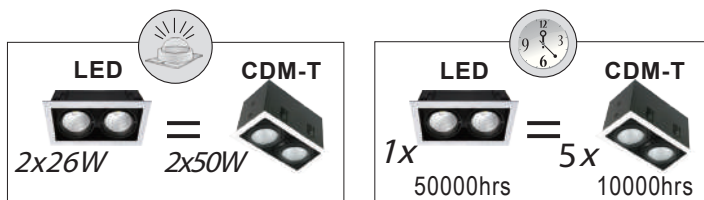
MWH/BK



Item No.	Color	Kelvin	Beam angle
KK1958	MWH/BK	3000K	30°
KK1959	MWH/BK	4000K	30°



General information:	
Item No.	KK1958
Product family code	LED grille light
Installation type	recessed
Shape	square
Adjustable	versitile 30°
Housing material	aluminium
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	54.2W
Light technical:	
Input	AC220-240V
Type of lamps	COB
Number of lamps	2
Rated power	52W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	3000K / 4000K
Total luminous flux	4600lm
Rated luminous flux in 90°	4540lm
Luminous efficacy	85.3 Lm/W
Beam angle	30°
Light intensity	13970cd
Electrical:	
Power supply	LC 60W 700MA fixC SR SNC
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)	0.061
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
EN61347-2-13:2014

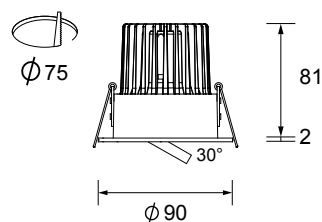
KK1963

LED

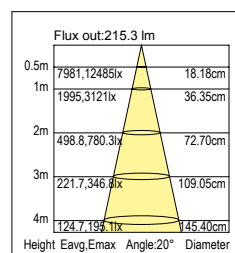
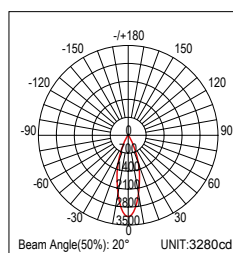
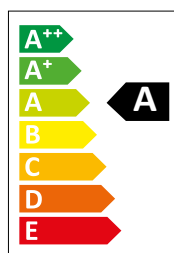
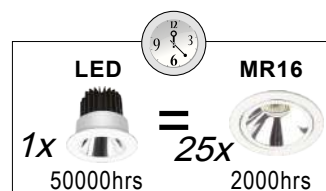
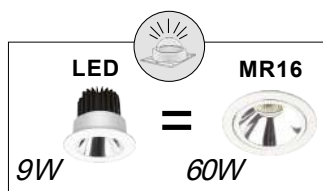


9W
50 000Hr
560 Lumen
3000K

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

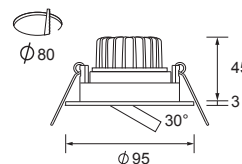
LED



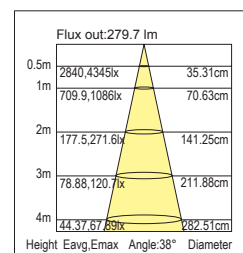
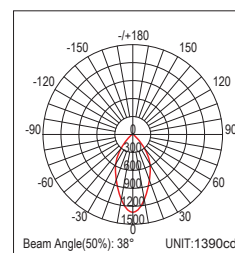
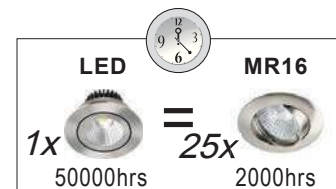
9W
50 000Hr
820 Lumen
3000K

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

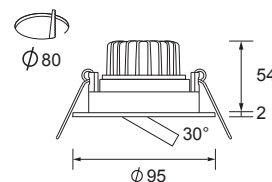
LED



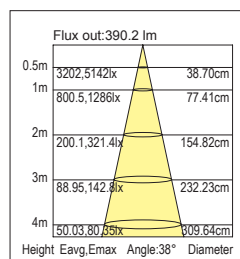
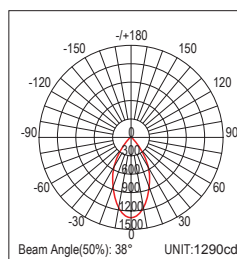
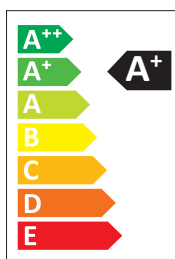
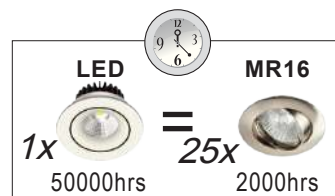
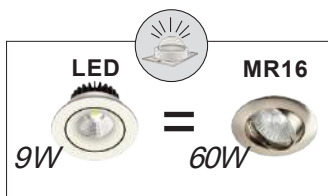
SWH



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

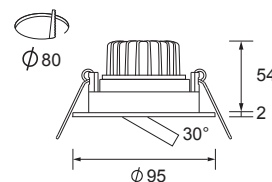
LED



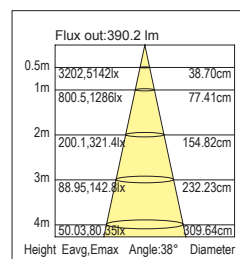
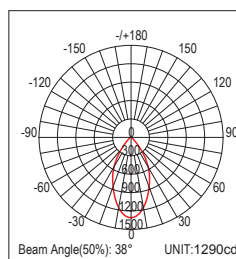
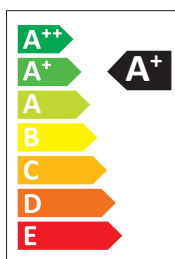
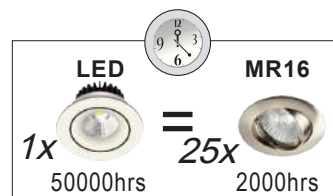
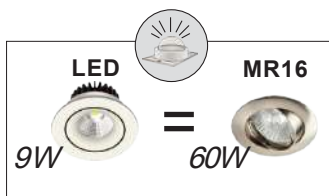
SWH



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

EN 60598-1:2015	EN 55015:2013
EN 60598-2-2:2012	EN 61547:2009
EN 62031:2008/A1:2013	EN 61000-3-2:2014
EN 62471:2008	EN 61000-3-3:2013
EN 62493:2010	
EN 61347-1:2008+A1:2011+A2:2013	
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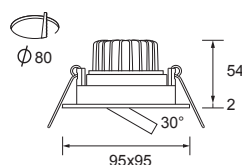
KK1967/Dim

LED

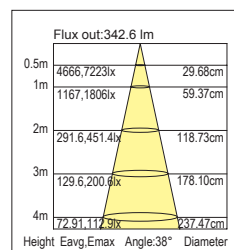
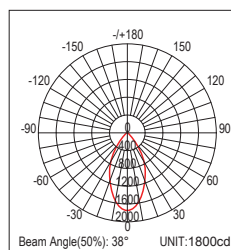
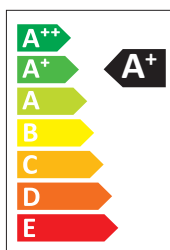
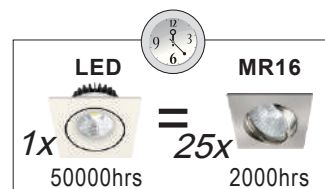
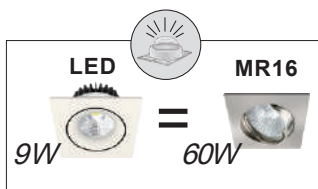


9W
50 000Hr
810 Lumen
3000K

Item No.	Color	Kelvin	Beam angle
KK1967/DIM	MWH	3000K	38°



General information:	
Item No.	KK1967/D-9D
Product family code	LED down light
Installation type	recessed
Shape	square
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	810lm
Rated luminous flux in 90°	770lm
Luminous efficacy	90.0 Lm/W
Beam angle	38°
Light intensity	1800cd
Electrical:	
Power supply	KLP500-10D3, 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)	0.455
Power factor	0.9
Energy class	A+



Approval Marks



Applied

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

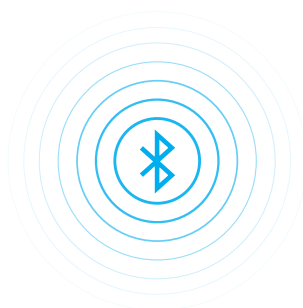
KK1934/BT

LED

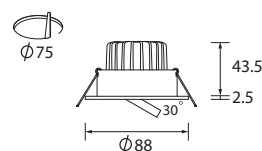


NEW

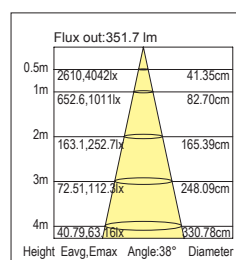
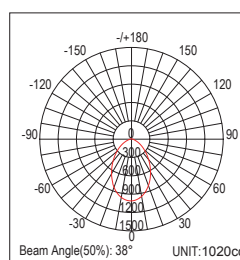
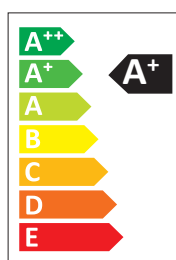
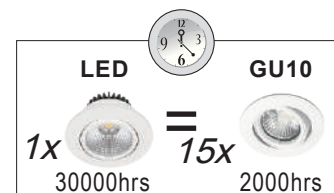
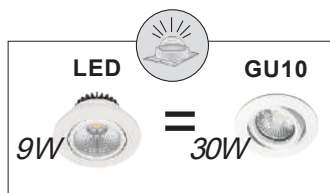
Bluetooth
Downlight



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	30,000 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

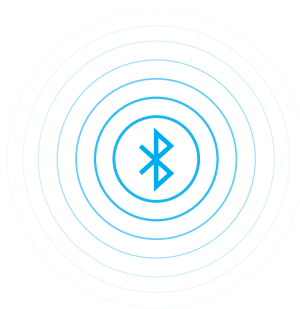
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KK1935/BT

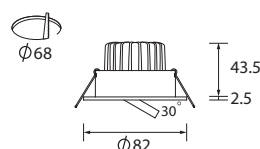
LED



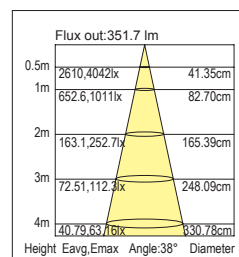
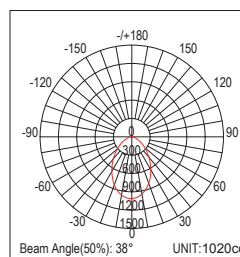
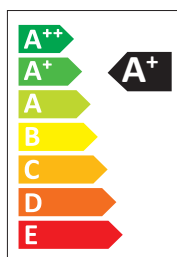
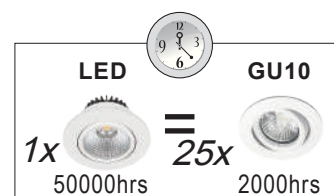
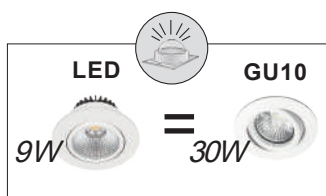
NEW
Bluetooth
Downlight
50 000Hr



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
EN 61000-3-3:2013

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

IEC Code: KDL2101

KK1936/BT

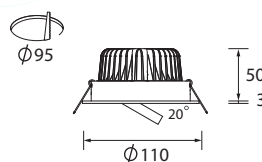
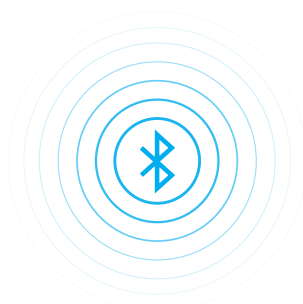
LED



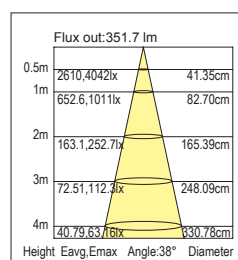
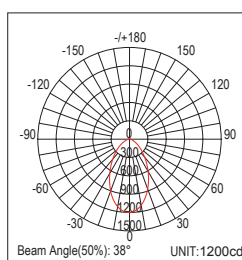
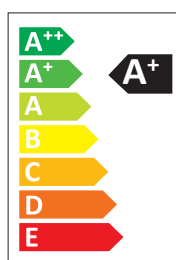
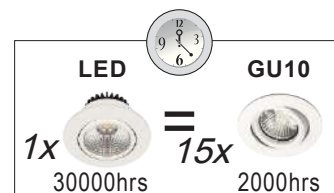
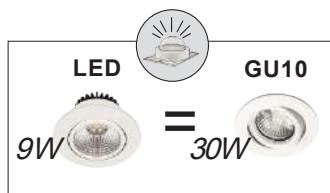
NEW

Bluetooth
Downlight

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	30,000 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

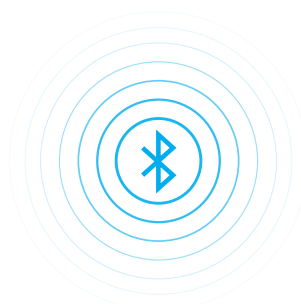
KK1966/BT

LED

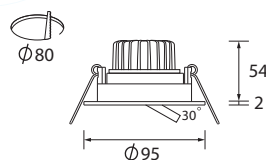


NEW

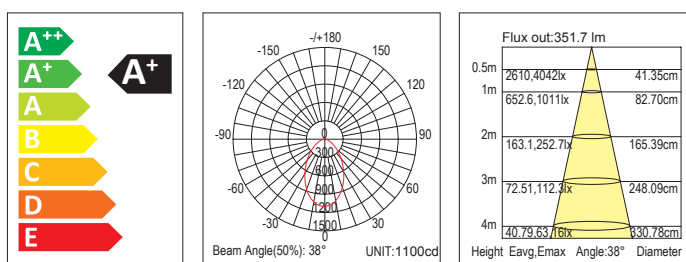
Bluetooth
Downlight
50 000Hr



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 $t_c = 80^\circ\text{C}$

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

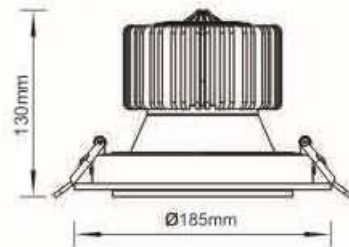
	Item	Value	Unit	Remarks
INPUT	Nominal voltage	220-240	VAC	
	Nominal frequency	50	Hz	
	AC voltage range	198-264	VAC	Permitted voltage range
	Maximum voltage	275	V	2hrs
	Nominal current	120	mA	230V @ 9W load
	inrush current	25 , 80	A, μ s	
	Power factor	0.5		Full load, 230 V, 50 Hz
	Efficiency	79	%	Full 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

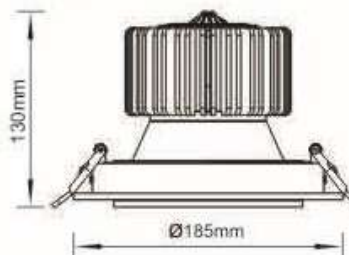
MAN320

Material: Die-cast Aluminium
Finish: White
Integrated LED
Voltage: 220 - 240V
Wattage: 1 x 50W 1200mA
Lumen Output: 4060Lm
CCT: 4200K
CRI> 85
IP40
LED Driver Included
Height: 130mm
Diameter: 185mm
Cut-out: 165mm



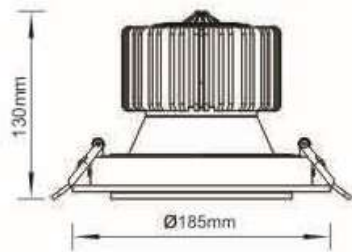
MAN321

Material: Die-cast Aluminium
Straight or with Slight Tilt
Finish: White
Integrated LED
Voltage: 220 - 240V
Wattage: 1 x 50W 1200mA
Lumen Output: 3860Lm
CCT: 3000K
CRI> 85
IP40
LED Driver Included
Height: 130mm
Diameter: 185mm
Cut-out: 165mm



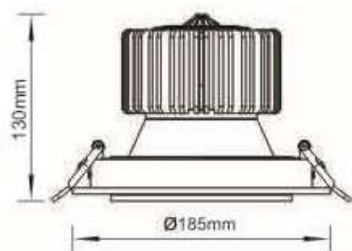
MAN322

Material: Die-cast Aluminium
Straight or with Slight Tilt
Finish: White
Integrated LED
Voltage: 220 - 240V
Wattage: 1 x 35W 900mA
Lumen Output: 3200Lm
CCT: 4200K
CRI> 85
IP40
LED Driver Included
Height: 130mm
Diameter: 185mm
Cut-out: 165mm



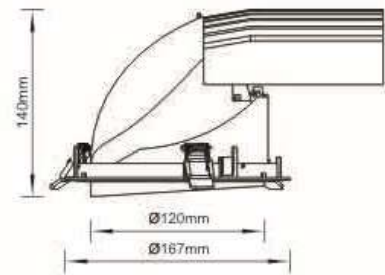
MAN326

Material: Die-cast Aluminium
Straight or with Slight Tilt
Finish: White
Integrated LED
Voltage: 220 - 240V
Wattage: 1 x 35W 900mA
Lumen Output: 3000Lm
CCT: 3000K
CRI> 85
IP40
LED Driver Included
Height: 130mm
Diameter: 185mm
Cut-out: 165mm



MAN328

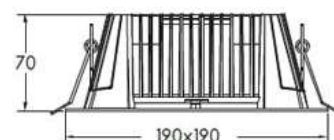
Die-cast Aluminium Body
Adjustable Tilt Downlighter
White Finish
1 x 35W LED
900mA
220 - 240V
Lumen Output: 2600Lm
CCT: 4200K
CRI> 85
LED Driver Included
IP20
Diameter: 167mm
Depth: 140mm
Cut-out: 155mm



MAN345

- Light source: MCOB
- Lamps shell adopts high-quality die-cast aluminium, performs well in cooling.
- Shape: looks elegant and natural
- Reflector: professionally designed by TRACE-PRO according to reflection theory, the light can perform at highest efficiency.
- Diffuser: cover by glass, at 95% transmission rate
- Remote constant current control driver; outputs constant current, in 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, applied in shops, hotels, offices, exclusive shops, showrooms etc.

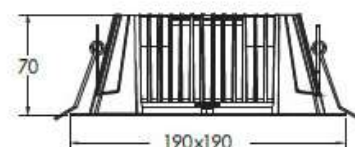
Product Code	Voltage	LED Power	CRI	CCT	Lumen Output	Beam Angle	Dimensions (mm)	Cut Size (mm)
MAN345	AC100-240V	20W	≥80	6400K	1500lm	48°	190 x 190 x 69.5	172 x 172
MAN345	AC100-240V	20W	≥80	4000K	1400lm	48°	190 x 190 x 69.5	172 x 172
MAN345	AC100-240V	20W	≥80	3000K	1300lm	48°	190 x 190 x 69.5	172 x 172



MAN346

- Light source:SMD
- Lamps shell adopts high-quality die-cast aluminium, performs well in cooling.
- Shape: looks elegant and natural
- Reflector: professionally designed by TRACE-PRO according to reflection theory, the light can perform at highest efficiency.
- Diffuser: cover by glass, at 95% transmission rate
- Remote constant current control driver; outputs constant current, in 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, applied in shops, hotels, offices, exclusive shops, showrooms etc.
- Ring coatings: RAL9016 glass WH

Product Code	Voltage	LED Power	CRI	CCT	Lumen Output	Beam Angle	Dimensions(mm)	Cut Size(mm)
MAN346	AC100~240V	20W	≥80	4200K	1750lm	48°	190X190X69.5	172X172

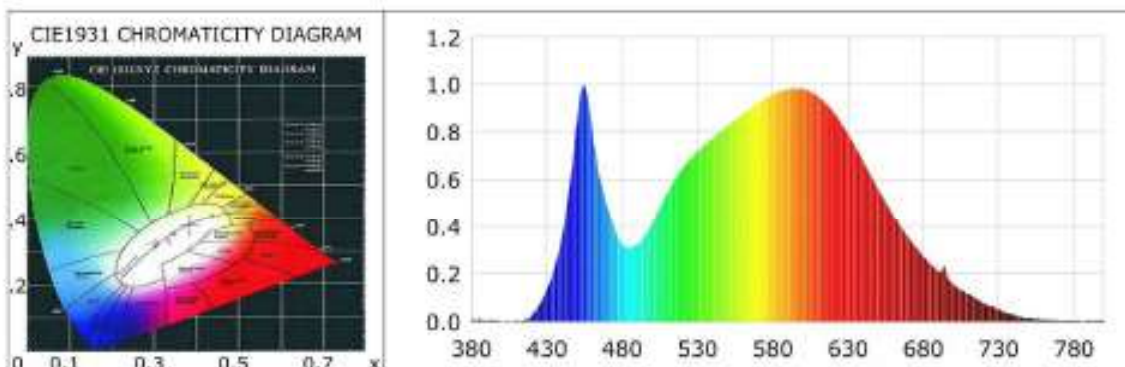


MAN347

- Light source:SMD
 - Lamps shell adopts high-quality die-cast aluminium, performs well in cooling.
 - Shape: looks elegant and natural
 - Reflector: professionally designed by TRACE-PRO according to reflection theory, the light can perform at highest efficiency.
 - Diffuser: cover by glass, at 95% transmission rate
 - Remote constant current control driver; outputs constant current, in low power consumption.
 - Output light: constant, without glare. Light consumption is less than 3% after 2000 hours of burning
 - Widely used for main lighting, applied in shops, hotels, offices, exclusive shops, showrooms ect.
 - Body coatings:RAL9016 shining WH
 - Chip: CREE LED Chip
 - Driver: Philips
-
- Material: Die-cast Aluminium
 - Voltage: 220-240V
 - Wattage: 35W 900mA
 - Lumen Output: 2800Lm
 - CCT: 4200K
 - CRI: >85
 - Beam angle: 67°
 - Cut Size: 220 x 130mm
 - Length: 230mm
 - Width: 145mm
 - Depth: 105mm
 - IP Rating: IP40

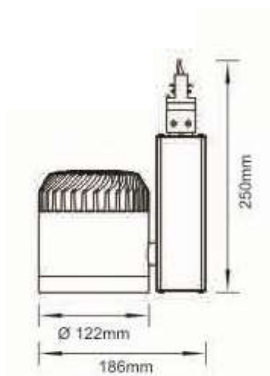


LED



MAN330 LED Track Spot

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

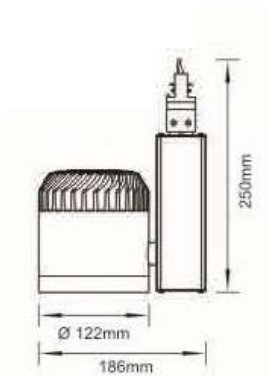


IDEAL FOR SHOPS AND SHOWROOM LIGHTING

MAN331 LED Track Spot

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

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



IDEAL FOR SHOPS AND SHOWROOM LIGHTING

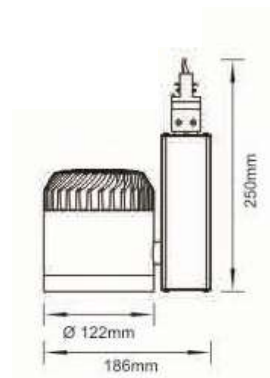
MAN332 LED Track Spot

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

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

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

IDEAL FOR SHOPS AND SHOWROOM LIGHTING

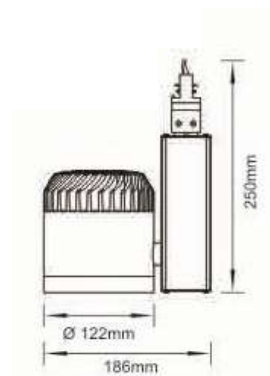


MAN333 LED Track Spot

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

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

IDEAL FOR SHOPS AND SHOWROOM LIGHTING

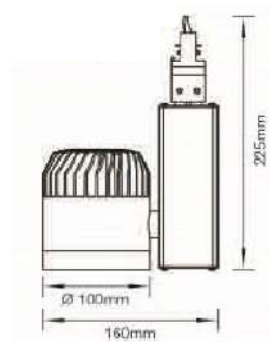


MAN334 LED Track Spot

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

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

IDEAL FOR SHOPS AND SHOWROOM LIGHTING

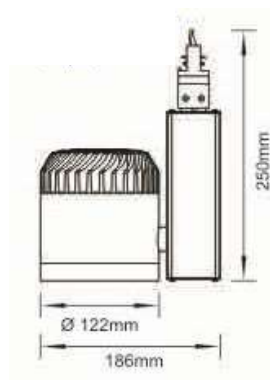


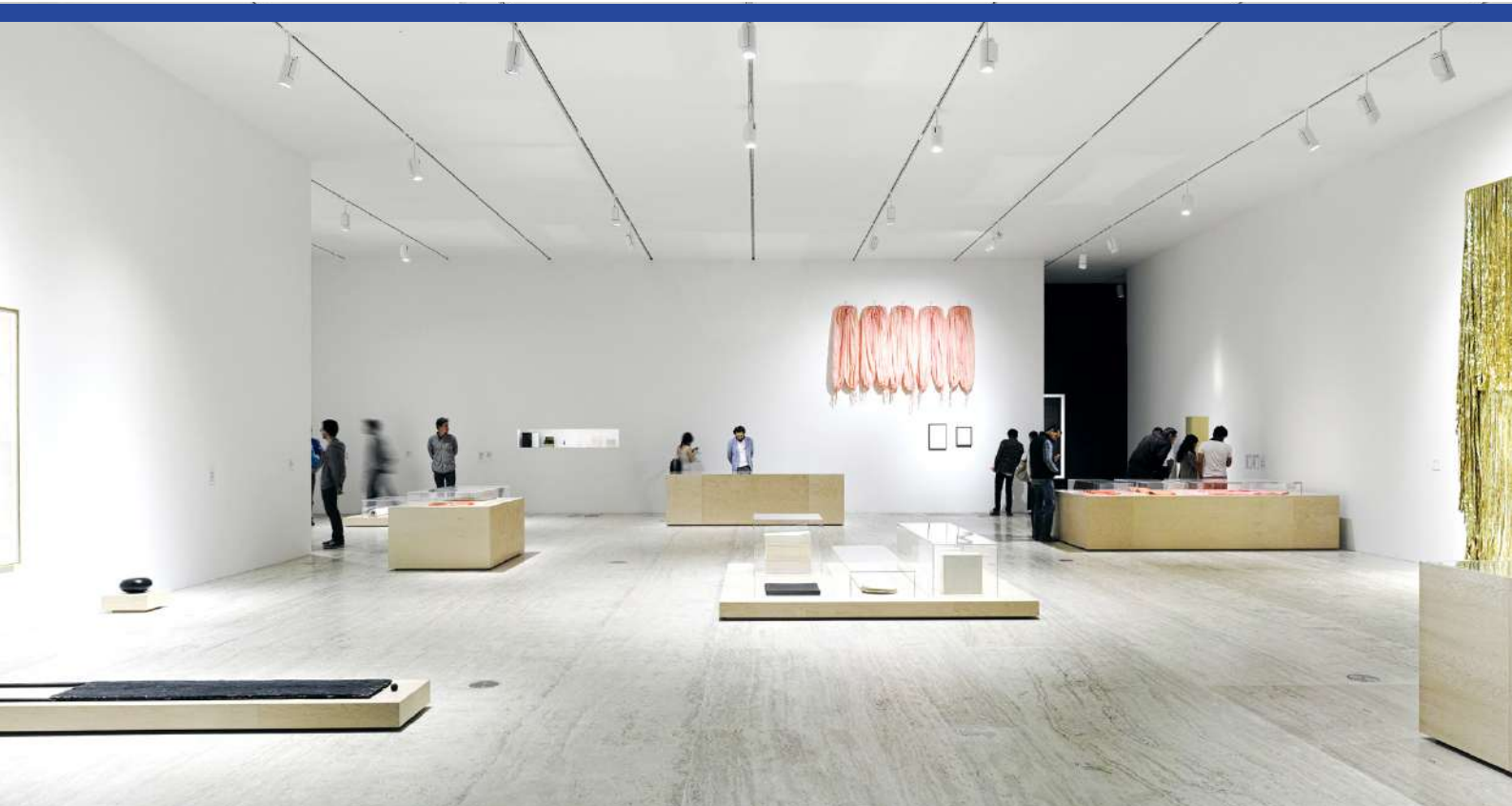
MAN335 LED Track Spot

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

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

IDEAL FOR SHOPS AND SHOWROOM LIGHTING





ADJUSTABLE BEAM LED TRACK SPOT

MAN338 - White

MAN339 - Black

Beam Angle: Adjustable 15° - 60°
 Material: Aluminium & Composite Plastic
 Finish: White or Black
 Integrated LED
 Input: 220-240Vac ~ 50/60Hz
 Wattage: 1 x 20W LED
 Lumen Output: 930 Lumen
 CCT: 3000K
 CRI: >85
 IP Rating: IP40
 ta45°C

LED Driver Included
 To be used with 4 wire MAN360 or MAN361 track

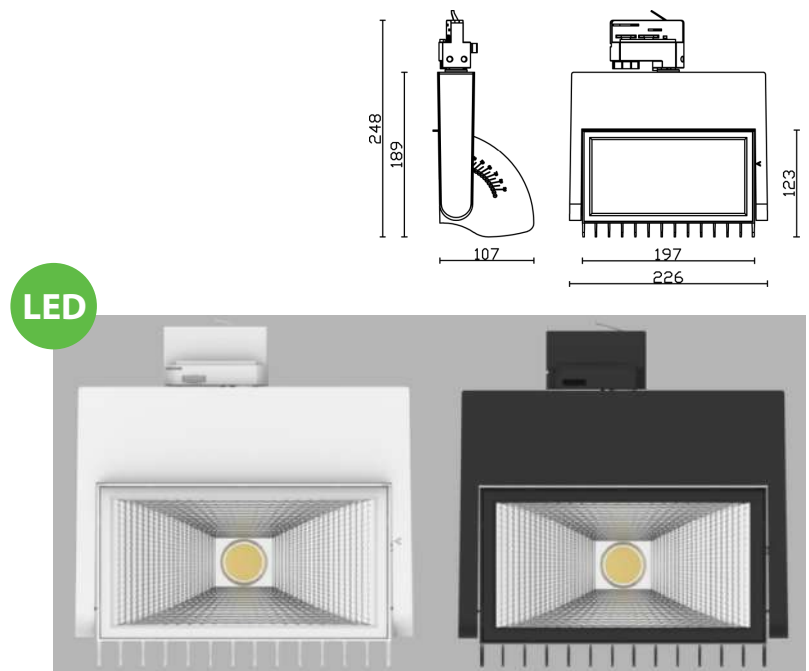
IDEAL FOR MUSEUM LIGHTING



TRACK MOUNTED LED SPOT

MAN336 - Black
MAN337 - White

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

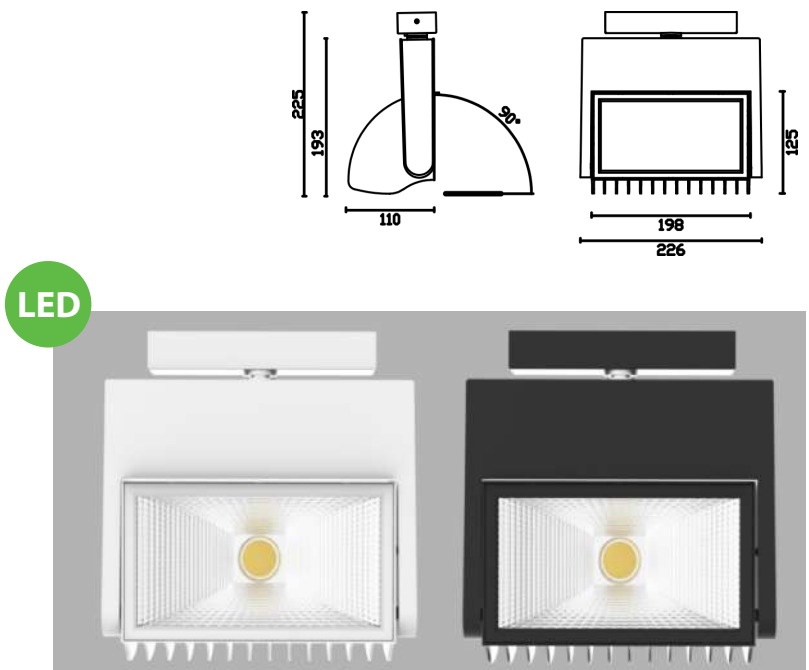


IDEAL FOR SHOPS AND SHOWROOM LIGHTING

SURFACE MOUNTED LED SPOTS

MAN401 - Black
MAN402 - White

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



IDEAL FOR SHOPS AND SHOWROOM LIGHTING

SCL109 - White

SCL110 - Black

Round decorative trackspot - Slimline 2 Wire
GU10 10W LED Max
230V ~ 50Hz
IP20
Diameter: 60mm
Height: 130mm



SCL200 - White

SCL201 - Black

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



SCL202 - White

SCL203 - Black

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



SCL204 - White

SCL205 - Black

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



SCL200/SF - White

SCL201/SF - Black

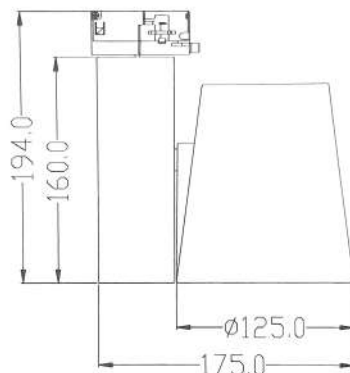
Round decorative surface spot - Slimline
Die-cast Aluminium body
GU10 10W LED Max
230V 50Hz
IP20
Diameter: 55mm
Height: 100mm



SCL100

Track Spot LED 30W 4 Wire

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

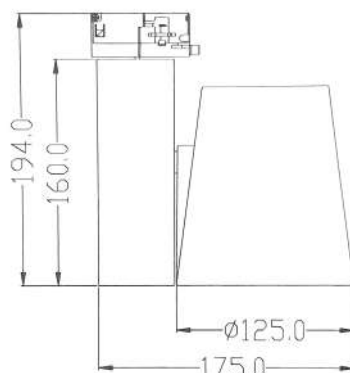


IDEAL FOR SHOPS AND SHOWROOM LIGHTING

SCL131

Track Spot LED 40W 4 Wire

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

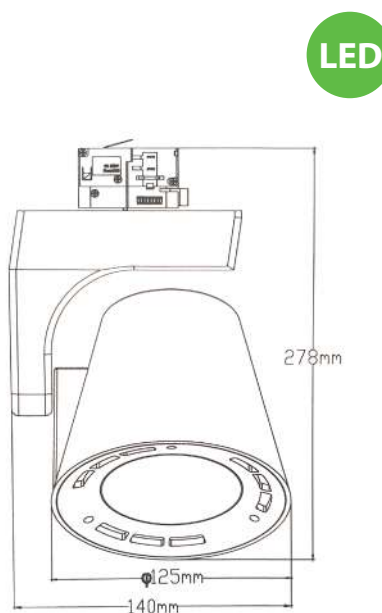


IDEAL FOR SHOPS AND SHOWROOM LIGHTING

SCL120

Track Spot LED 30W 4 Wire

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

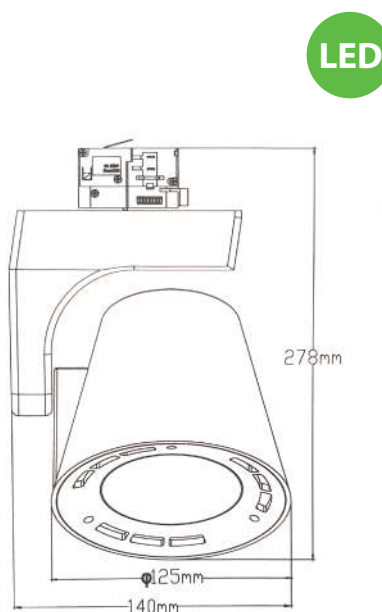


IDEAL FOR SHOPS AND SHOWROOM LIGHTING

SCL130

Track Spot LED 40W 4 Wire

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



IDEAL FOR SHOPS AND SHOWROOM LIGHTING

HBX RANGE

The HBX is a range of 30W-240W LED Luminaries designed to meet international standards in safety and durability with unsurpassed even light distribution. 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 LEDs with solid thermal management, we extend the expected lifespan of the HBX Luminaries in the African climate. Furthermore, by eliminating moving parts, we have designed this Luminaire to be extremely durable. The HBX 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 HBX range is Renewable Ready. By simply replacing a single component it can run straight off renewable sources without the use of inverters making the entire range future proof. The industry standard DALI interface makes dimming and light level controls very easy.

KEY ADVANTAGES

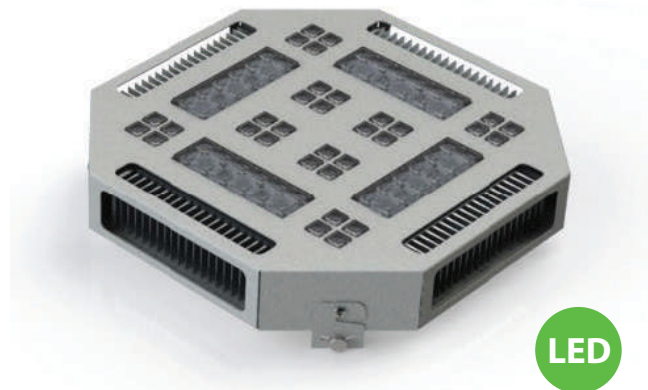
- Extremely reliable LED lamps in IP54 Compartment
- Superior quality OSRAM LED's
- Variable optics ensure units are aesthetically identical, while still optimising light distribution
- Very low maintenance
- 100% designed and manufactured in SA
- Lifespan of 100k hrs, lumen depreciation of not more than 20% (L80B50)
- Suitable for temperatures from -30°C up to 45°C
- Designed for easy retrofit or new installation
- 5 or 8 year warranty options with 12 year design life
- Optional daylight harvesting and DALI control available
- All cable entries IP67 rated glands

APPLICATIONS

- Warehouses
- Event Halls
- Industrial Areas & Workshops
- Freezer Rooms
- Showrooms

SYSTEM SOLUTIONS
AUDIO | VIDEO | LED SCREENS | CINEMA

CERTIFIED:
IEC-60598-2-1 2014



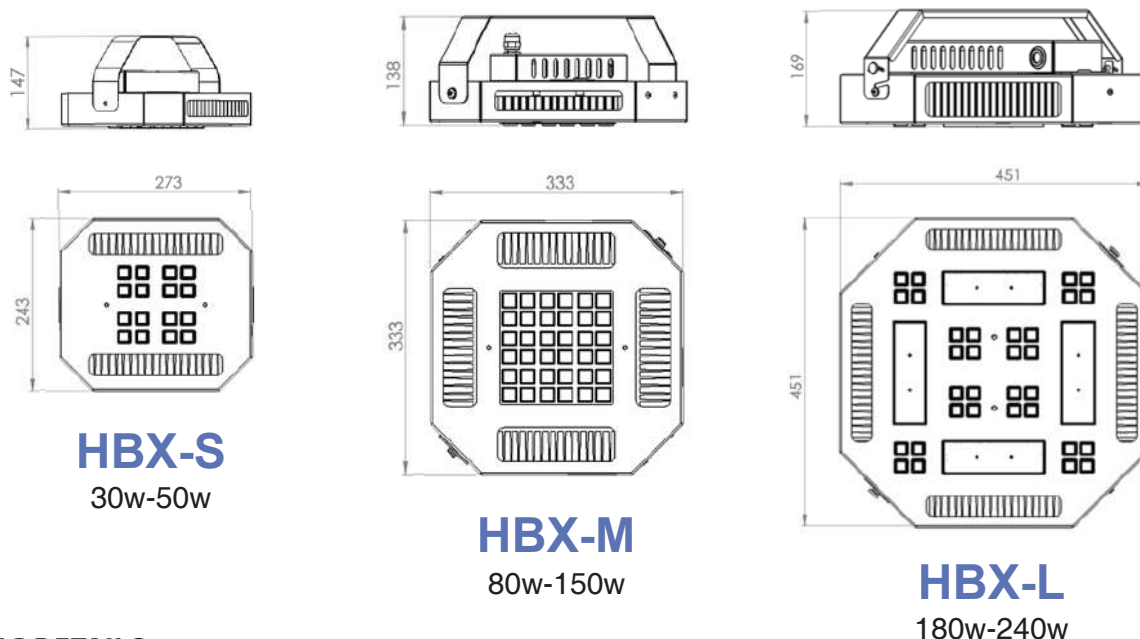
The HBX range is designed to be a powerful, yet compact solution, with ease of installation in mind. The standard bracket can be used for suspended and roof/wall mounting. Installation is optimised with the use of easy to open clips and no tools are required to open the driver compartment. The cable connectors are spring clip operated. Custom mounting brackets can be ordered if needed.

The housing is manufactured from a range of materials, stainless steel (3CR12) and epoxy coated. The optics offers more vandal resistance than glass and the entire fitting is manufactured to the SANS 605-98 standard for safety. The HBX is one of the most powerful units for size and power consumption on the market.

SPECIFICATIONS

Type: High Bay LED Luminaire
 Optical compartment protection: IP54 (Freezer Room Type is IP67)
 Control gear protection: IP54 (Freezer Room Type is IP65)
 Impact resistance (Polycarbonate): IK7
 Control gear Voltage: 90V - 295VAC, 50Hz as well as 127-417VDC
 Lamps: Replaceable High Power LED Modules
 Colour Temperature: 4000K >80 CRI or 5700K >70 CRI
 Housing Material: Coated Stainless Steel (3CR12) or Stainless Steel 316
 Weight: 6.5Kg - 13.5Kg
 Light Engine: Anodised Aluminium & PMMA
 Standard Colour: RAL 9003 (White)
 Total Power Consumption: 30W - 240W
 Temperature Range: -30°C to 45°C
 LED Lifespan (L80B50)*: 100 000Hrs @45°C ambient - * Lumen depreciation not more than 20% in accordance with LM-80 - TM-21

HOUSING DIMENSIONS



ORDERING DETAILS

The HBX range of luminaires comes standard in 8 wattages from 30w - 240w. These are housed in 3 different sizes and conveniently labelled small, medium and large. All models are available with various beam angles, colour temperatures and materials, allowing the HBX to be the perfect fit for any high bay environment. Contact us with your specific lighting requirements and we will be happy to customise a solution for you.

PRODUCT CODES

W - Power /Wattage
C - Colour Temperature
O - Optical Angle
M - Chassis Material

POWER /WATTAGE

S30 - 30w / 3600Lm
S50 - 50w / 6200Lm
M80 - 80w / 10000Lm
M100 - 100w / 12000Lm
M120 - 120w / 14000Lm
M150 - 150w / 17500Lm
L180 - 180w / 24200Lm
L240 - 240w / 30000Lm

COLOUR TEMPERATURE

40 - 4000K
50 - 5000K
57 - 5700K

CHASSIS MATERIAL

C - SS3CR12
S - SS316

OPTICAL ANGLE

M - 35° Medium
W - 56° Wide
R - Rack
C - Custom

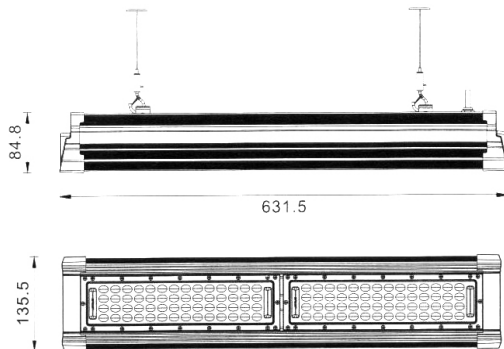
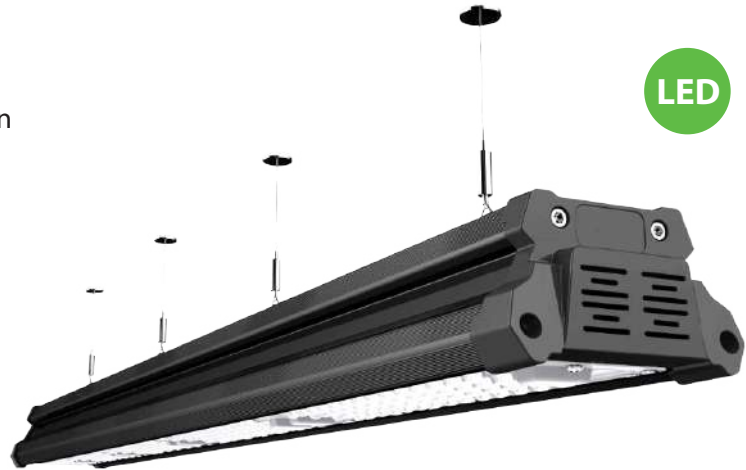
BR/LIN/100W

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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- AL1070 Pure aluminium housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 100W
- Lumen: 12 500Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 30° * 70° & 60° * 100°



BR/LIN/150W

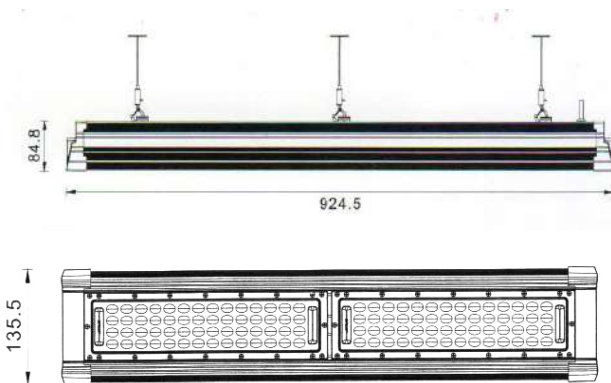
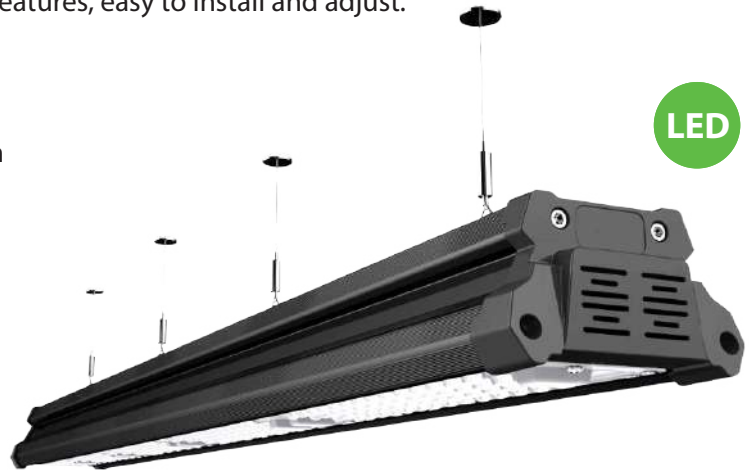
FEATURES:

- 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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- AL1070 Pure aluminium housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 150W
- Lumen: 18 750Lm
- CCT: 4000K
- CRI: >80

LED



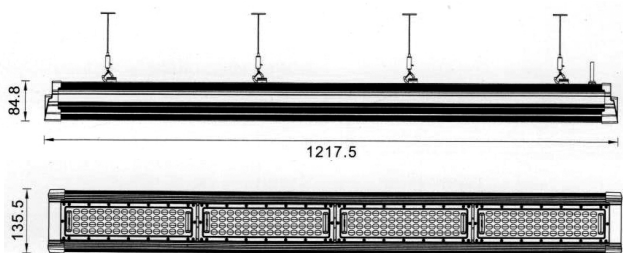
BR/LIN/200W

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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- AL1070 Pure aluminium housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 200W
- Lumen: 25 000Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 30° * 70° & 60° * 100°



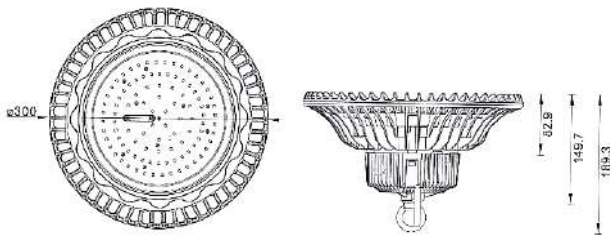
BR/UFO/80W

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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- ADC 12 Die-Cast Aluminium Alloy Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours
- Water Resistant: IP65
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 80W
- Lumen: 10 000Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 120°



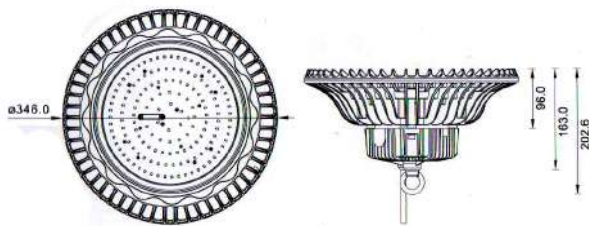
BR/UFO/150W

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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- ADC 12 Die-Cast Aluminium Alloy Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours
- Water Resistant: IP65
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 150W
- Lumen: 18 750Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 120°



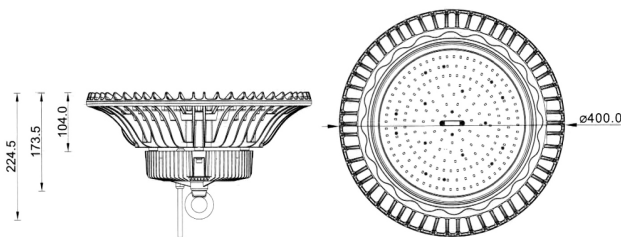
BR/UFO/200

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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- ADC 12 Die-Cast Aluminium Alloy Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours
- Water Resistant: IP65
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 200W
- Lumen: 25 000Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 120°



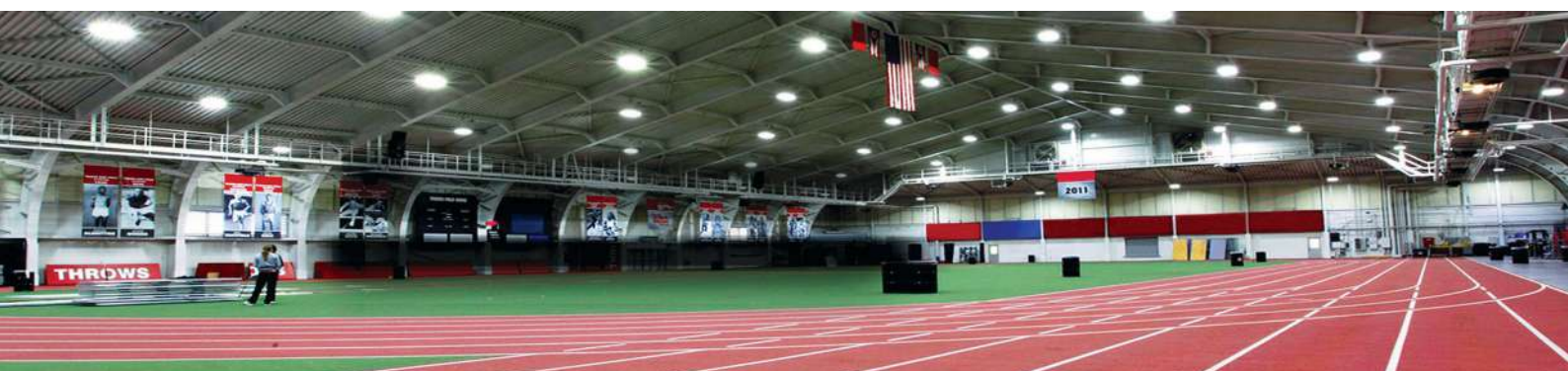
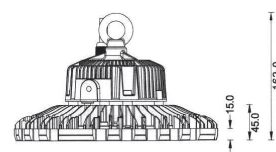
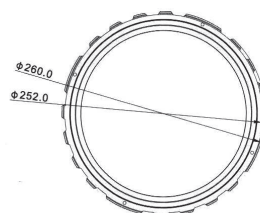
BR/AIR/150W

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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- ADC 12 Die-Cast Aluminium Alloy Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours
- Water Resistant: IP65
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 150W
- Lumen: 18 750Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 120°



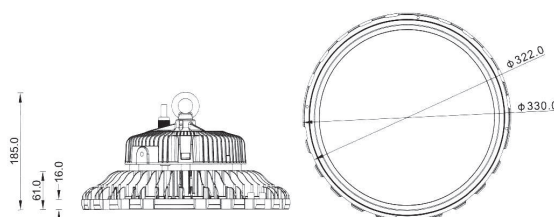
BR/AIR/200W

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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- AL1070 Pure Aluminium Housing
- IK10 strong protection, good optical function
- Lifespan: 50 000 Hours
- Water Resistant: IP65
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 200W
- Lumen: 25 000Lm
- CCT: 4000K
- CRI: >80
- Beam Angle: 80°



- 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.
- Water proof sensor with IP65 rating.
- 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.

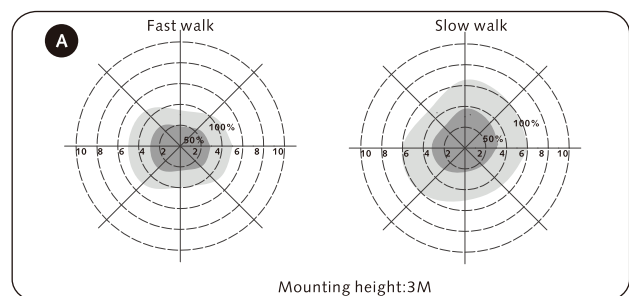
SPECIFICATIONS

Input voltage	120~277Vac, 50/60Hz
Rated load	400W@120Vac; 800W@220-277Vac (Inductive load) 800W@120Vac; 1200W@220-277Vac (Resistive load)
Detection area	8m Max. (radius) adjustable
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

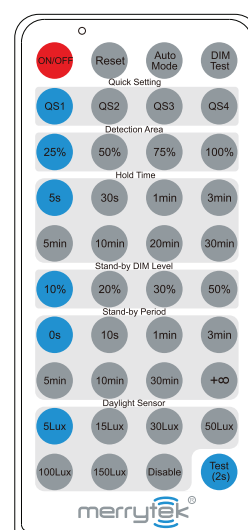
GENERAL GUIDELINES FOR INSTALLATION

- 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.

BR/SEN/150W/4000K

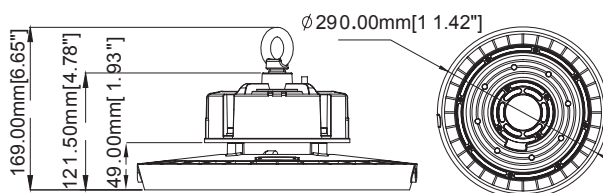
LED Highbay Fitting with microwave motion sensor

SPECIFICATIONS:

- IP65 Water Resistant
- Beam Angle: 120°
- CCT: 4000K
- Wattage: 150W
- Luminous Efficiency: 130lm/W
- LED's: SMD2835
- Lifespan: 50 000Hr
- Operating Temp: -20°C ~ +50°C

FEATURES:

- With microwave motion sensor
- Includes Ceiling ring & IP65 Waterproof connector
- AC100-277V, 50/60Hz
- Housing Colour: Black
- Storage Temp: -40°C ~ +80°C
- CRI: >80
- Weight: 3.2kg
- Diameter: 290mm
- Height (including ceiling ring): 169mm
- Driver: BR-SDET
- 5 Year Warranty
- IES Files Available



INCLUDED:



Ceiling Ring



Waterproof Connector



Microwave Motion Sensor

OPTIONAL EXTRA:



Chain



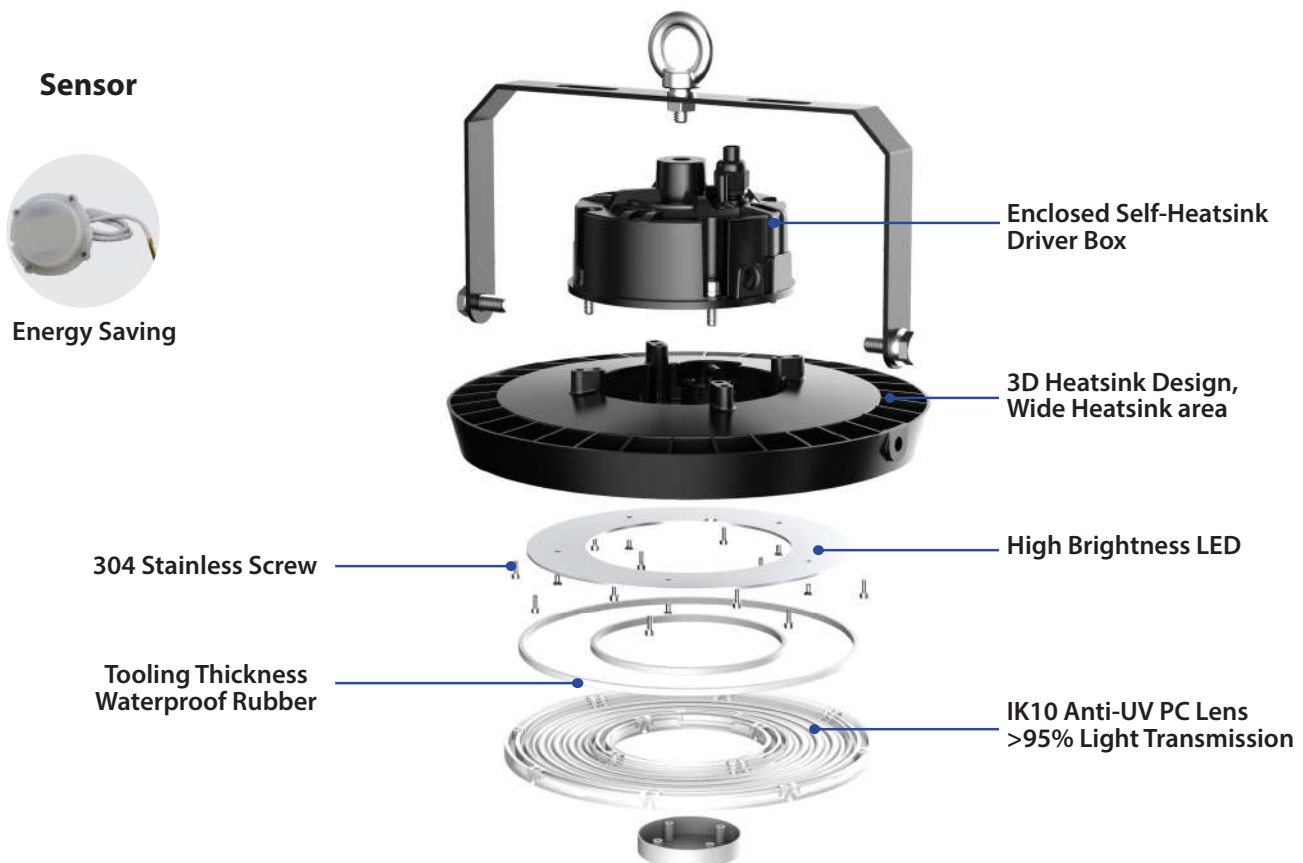
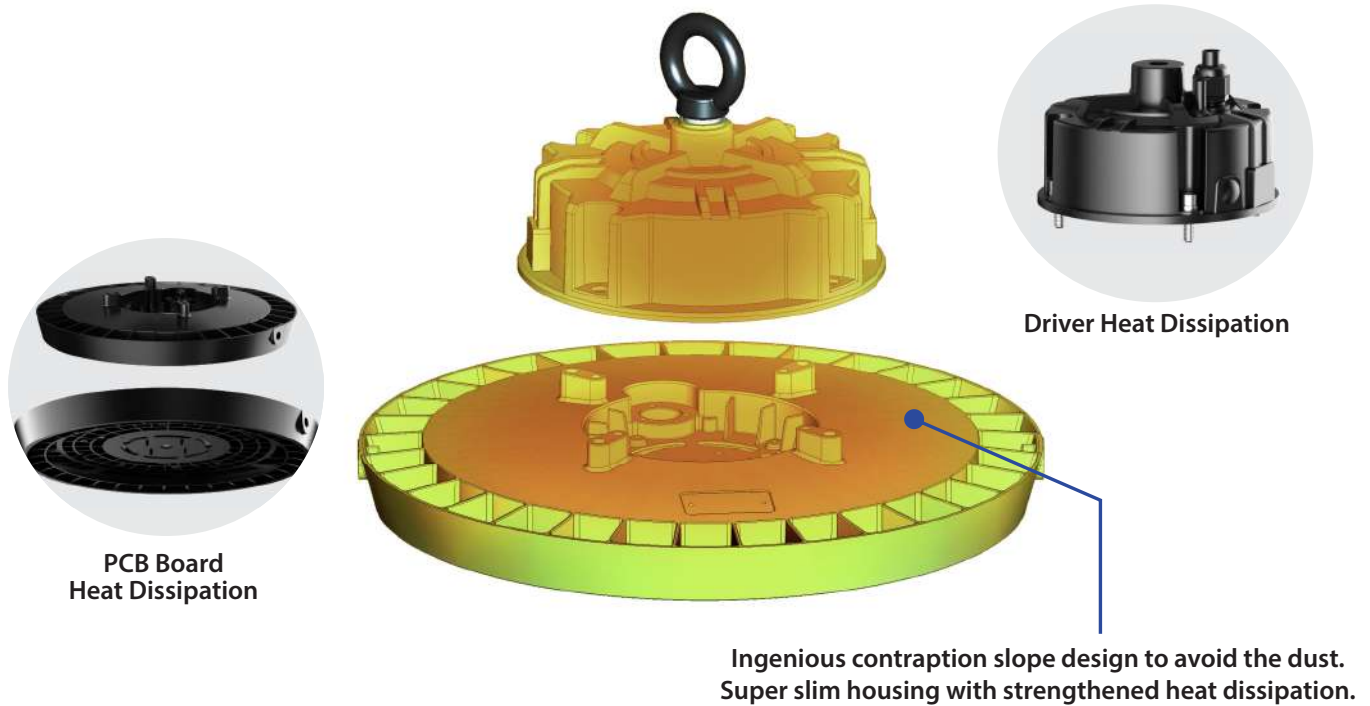
Safety Rope



PC Reflector



Remote Control



PTH100 ECO LED Highbay

FEATURES:

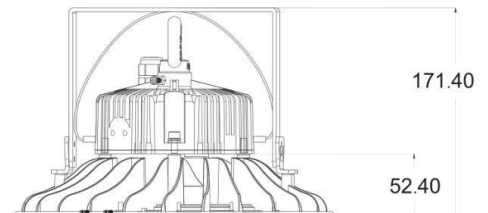
- Die-cast integrated AL casing helps with faster heat dissipation
- Optical glass ensures over 90% of light is transmitted
- LED 3030 chip with low lumen depreciation
- IP65 driver with short circuit, overflow, overheating and voltage overload protection
- 120lm/W - 90% energy saving
- Lifespan: 50 000Hr
- 5 Year warranty
- Easy installation and low maintenance

SPECIFICATIONS:

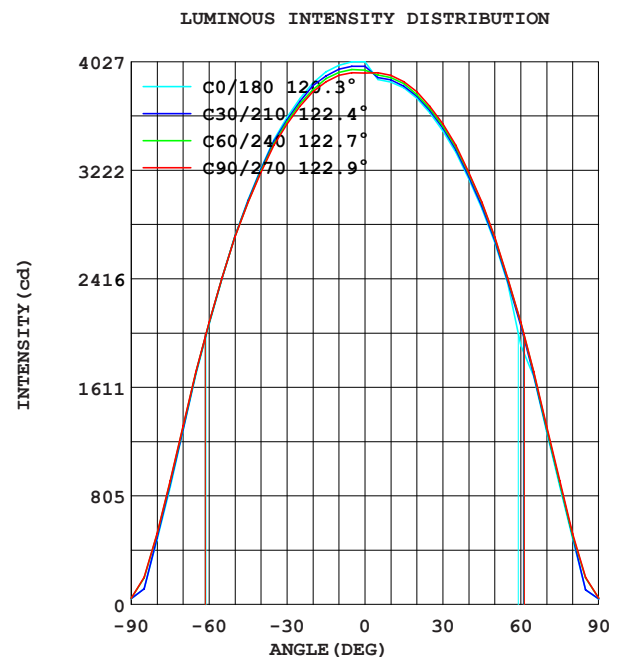
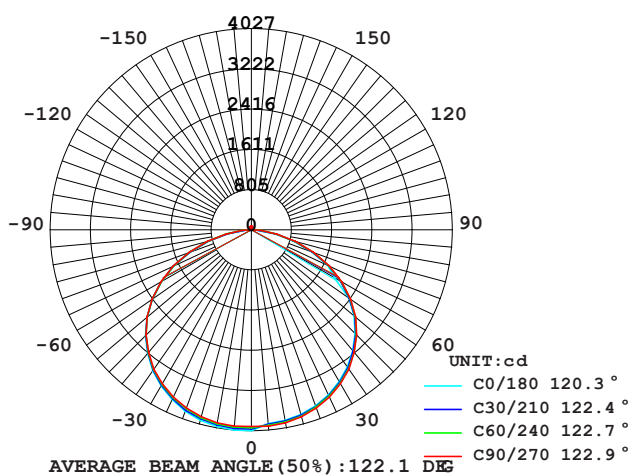
- Input voltage: AC100-240V
- Power: 100W
- Dimming: No
- PF: >0.9
- LED Type: 3030
- Beam Angle: 120°
- Light efficiency: 120lm/W
- Lumen output: 12 000Lm
- Colour Temp: 4000K
- CRI: >70
- IP Rating: IP65
- Working Temp: -20°C ~ 45°C
- Storage Temp: -40°C ~ 60°C
- Lifespan: 50 000H @ 25°C
- Height: 171.40mm
- Power Cable Length: 300mm
- NB: No suspension wires included



LED



Extra: PTH012 U-Bracket



PTH150/4000K ECO LED Highbay

FEATURES:

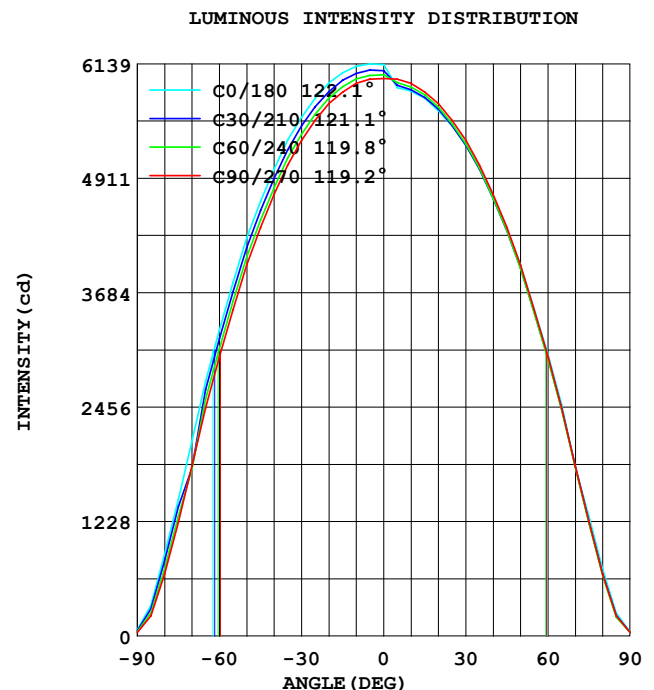
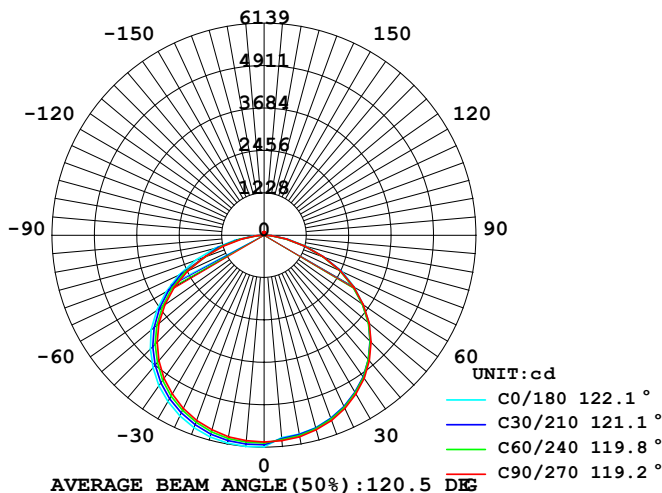
- Die-cast integrated AL casing helps with faster heat dissipation
- Optical glass ensures over 90% of light is transmitted
- LED 3030 chip with low lumen depreciation
- IP65 driver with short circuit, overflow, overheating and voltage overload protection
- 120lm/W - 90% energy saving
- Lifespan: 50 000Hr
- Easy installation and low maintenance

SPECIFICATIONS:

- Input voltage: AC100-240V
- Power: 150W
- Dimming: No
- PF: >0.9
- LED Type: 3030
- Beam Angle: 120°
- Light efficiency: 120lm/W
- Lumen output: 18 000Lm
- Colour Temp: 4000K
- CRI: >70
- IP Rating: IP65
- Working Temp: -20°C ~ 45°C
- Storage Temp: -40°C ~ 60°C
- Lifespan: 50 000H @ 25°C
- Height: 181.50mm
- Power Cable Length: 300mm
- NB: No suspension wires included



PTH150/4000K/PRO - IP65 Meanwell driver



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 accumulating 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



PTH/LIN100:

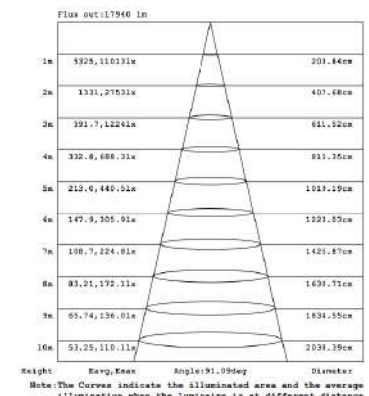
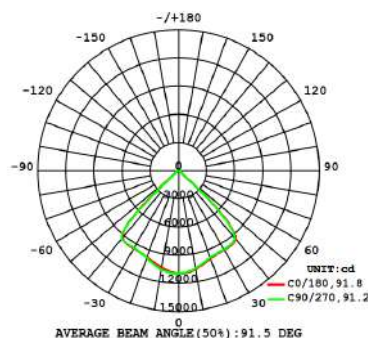
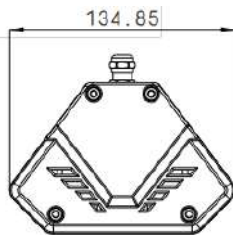
Power: 100W
 Beam Angles: 60x90°, 30x70°, 70x145°
 Light Efficiency: 122lm/W
 Luminous Flux: 12 200Lm
 Colour Temp: 4000K
 Lifespan: 50 000 Hours
 L: 529 x W:134.85 x H:90mm

PTH/LIN150:

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

PTH/LIN200:

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



EXTRA:

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



LED Gas Station Light

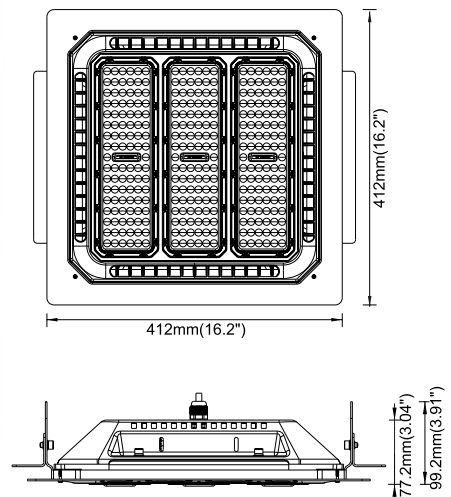
FEATURES:

- 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 compared to filament lamps.

SPECIFICATIONS:

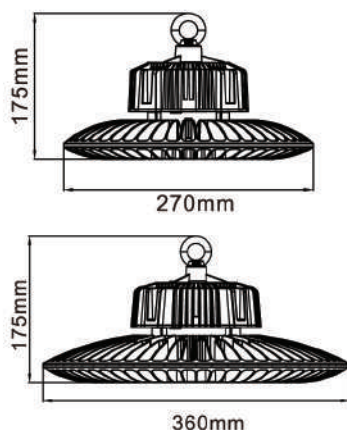
- ADC 12 Die-Cast Aluminium Alloy Housing
- IK10 strong protection, good optical function
- Life span: 50 000 Hours
- IP65 Water Resistant
- Operating temperature: -20-50°C
- Storage temperature: -40-60°Cd

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

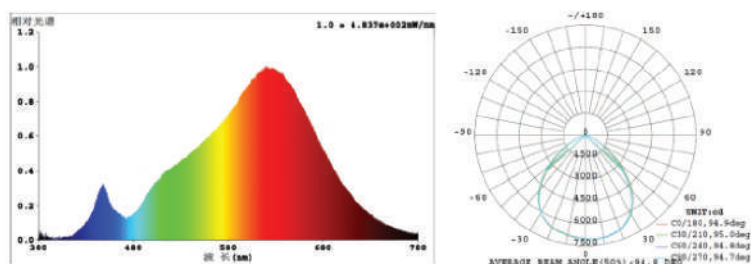




Dimension



Photometric parameter



Product Information and Specification

Item description	UNL/100/100W	UNL/100/150W	UNL/100/200W
Input voltage/Frequency [VAC][HZ]	100-277 VAC 50/60HZ		
Input Current [A]	0.43@220V	0.65@220V	0.87@220V
Input watt [W]	100±10%	150±10%	200±10%
Power factor	0.95@220V	0.95@220V	0.95@220V
Voltage [V]	36	36	36
Current(reference) [A]	1.1	1.65	2.2
Wattage(reference) [A]	94±5%	138±5%	188±5%
Color ratio	R26.3% G71.4% B2.3% R/B:90%/10%		
Color rendering index [Ra]	90		
Photosynthetic Photon Flux (umol/s)	180	276	353
Beam angle [H,V]	50°		
Average angle [h]	54000		
Ambient temperture	-40-40°C		
Chip	CREE3030		
Storage environment	-40°C -85°C RH10%-95%		

Eagle Codes:

- UNL/100/100W
- UNL/100/150W
- UNL/100/200W



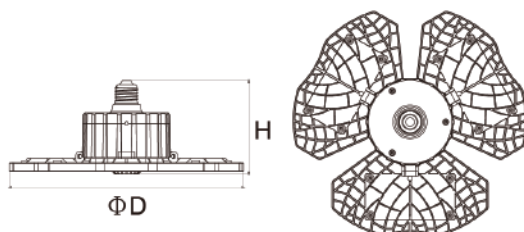
Applications

Garage, Parking Area, Greenhouse,
Warehouse, Office

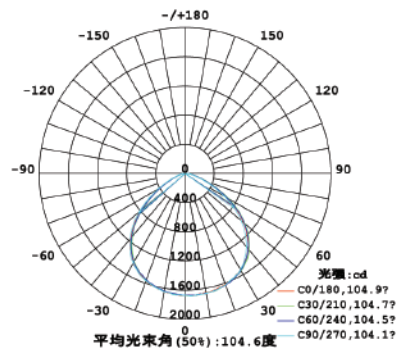
Features

- Die-casting aluminous alloy and plastic electric box
- 3 pcs of separated LEDs
- Foldable structure: Upward 90 °
- Lamp base: E26/E27
- 3 years warranty

Dimension



Distribution Curve Flux



Specification Sheet

Model	Dimension ($\Phi D \times H$) (mm)	Input Wattage	Lumens @5000K	Input Voltage	Beam Angle	Color Temperature	CRI	IP Rating	Average Life	LED Chip	Driver
UNL/110/60W	$\Phi 270 \times H108$	60W	5000Lm	AC120-240V	120°	3000-5700K	70	IP20	50000h	CREE	Universelite
UNL/110/80W		80W	7500Lm	50/60Hz			80				

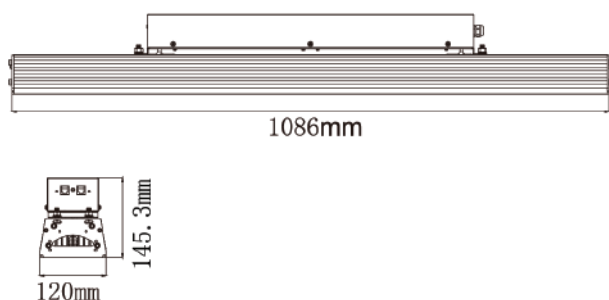
Eagle Codes:

- UNL/110/60W
- UNL/110/80W

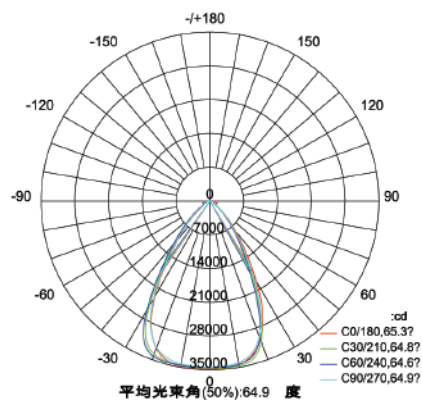


Easy installation and replacement
Excellent reliability and consistency energy-saving

Dimension



Photometric parameter



Product Information and Specification

LED GROW LIGHT

Item description	UNL/120/480
Input voltage/Frequency [VAC][HZ]	100-277/347/480VAC 50/60HZ
Input Current [A]	2.18@220V
Input watt [W]	480±10%
Power factor	0.96@220V
Voltage [V]	54
Current(reference) [A]	8.2
Wattage(reference) [A]	442±10%
Luminous flux [Lm]	52800
Color ratio	R26.3% G71.4% B2.3% R/B:90%/10%
Color rendering index [Ra]	90
Flux of emitted photons (umol/s)	822
Beam angle [H,V]	60°
Average angle [h]	54000
Ambient temperature	-25-40 °C
Chip	CREE3030
Storage environment	-40 °C -85 °C RH10%-95%

Eagle Code:
• UNL/120/480

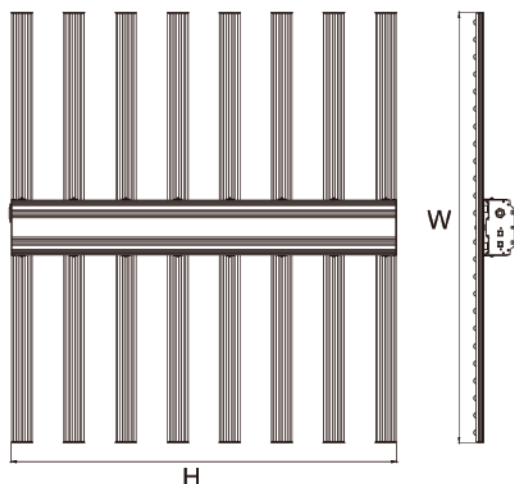


LED

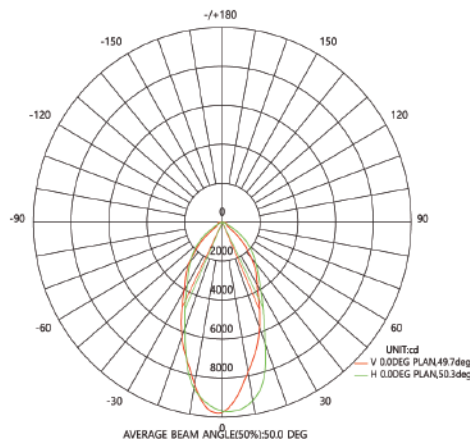


Easy installation and replacement
Excellent reliability and consistency energy-saving

Dimension



Photometric parameter



Product Information and Specification

LED GROW LIGHT

Item description	UNL/130/240W	UNL/130/480W	UNL/130/630W
	622*318*157	912*906*157	1106*1196*157
Input voltage/Frequency [VAC][HZ]	100-277/347/480VAC 50/60HZ		
Input Current [A]	1.09@220V	2.18@220V	2.86@220V
Input watt [W]	240±10%	480±10%	630±10%
Power factor	0.95@220V	0.95@220V	0.95@220V
Voltage [V]	36	36	36
Current(reference) [A]	6.15	12.3	16.2
Wattage(reference) [A]	220±10%	440±10%	580±10%
Luminous flux [Lm]	28800	57600	75600
Color ratio	R26.3% G71.4% B2.3% R/B:90%/10%		
Color rendering index [Ra]	90		
Flux of emitted photons (umol/s)	680	1500	2200
Beam angle [H,V]	50°		
Average angle [h]	54000		
Ambient temperture	-40-40 °C		
Chip	CREE3030		
Storage environment	-40 °C -85 °C RH10%-95%		

Eagle Codes:

- UNL/130/240W
- UNL/130/480W
- UNL/130/630W



一. Network settings



1. Scan QR code below by mobile phone, download and install Tuyasmart, follow the prompts to register your account.



2. Connect gateway to the power supply and connect it to the home 2.4GHz band router through the cable (make sure the router can access the Internet).



3. Confirm that the indicator (green light) remains illuminated (if the indicator is in another status, press and hold the reset button until the green light remains illuminated)



5. On the "add manually" page, click "others", choose and click "gateway (zigbee)". After the addition is successful, you can find the device in the "Home" list.



4. Make sure that mobile phone is connected to the home 2.4GHz band router. At this time, the mobile phone and the gateway are in the same local area network. Open the "home" page of the APP and click the "+" button on the upper right corner of the screen.

二. Operation instructions of lights



1. After the light is powered on for 10s, press the "Network switch" 3 times (on the side of light), each time interval is 1s, so that the light blinks rapidly.



2. Go to the gateways page, click "Add SubDevice", select "Lighting" into "add Device" page, then click "Confirm Light blinks rapidly"



3. After the addition is successful, you can find the device in the "Home" list.



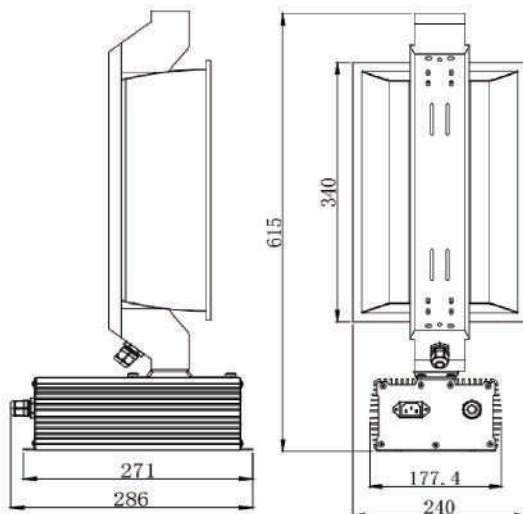
4. Click on that device, enter that device's page and operate.



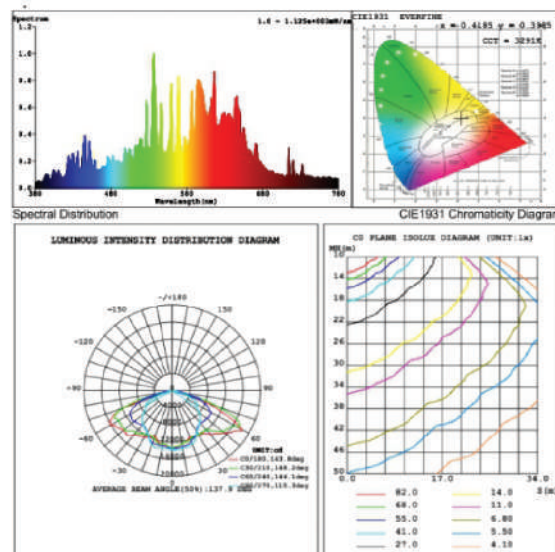
95% rate reflector fixture
Stable operating system

High Reflecting Area reflector fixture
Dimmable function

Dimension



Photometric parameter



Product Information and Specification

Eagle Code: UNL/140/315W

315W CMH Lamp

Voltage	[V]	100/115
Current	[A]	3.15
Wattage	[W]	315
Lumens(Whole luminaire)	[lm]	57439
Power Factor	cosΦ	≥0.98
Bulb Type		PGZ18
CCT	[K]	3000K/4000K
CRI	[Ra]	90
Rated frequency	[HZ]	50/60
PPFD	[Umol/s/w]	1.6
Average Life	[hrs]	12000

Eagle Code: UNL/140/630W

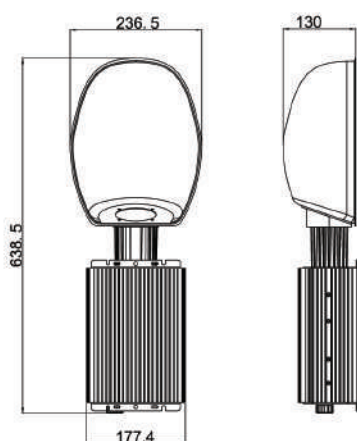
630W Ballast

Input Voltage	[V]	120-240/220-277
Input Frequency	[HZ]	50/60
Input Power Factor	cosΦ	≥0.98
THD	[%]	≤10
Wave Crest Ratio	[Q]	≤1.7
Starting Time	[S]	5 Max
Pulse Voltage	[KV]	4-5
Output Rated Frequency	[HZ]	110
Open Circuit Voltage	[V]	≤440/≤500
Efficiency	[%]	≥92%

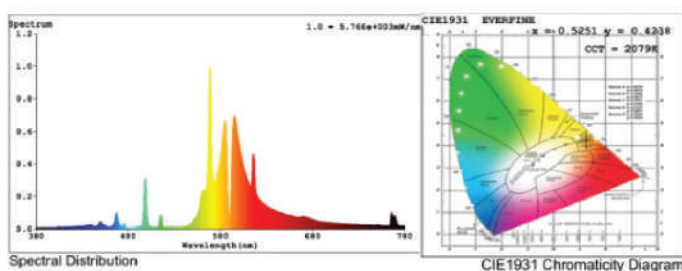


Easy installation and replacement Cost-effective
Lower transportation cost

Dimension



Photometric parameter



Product Information and Specification

Eagle Code: UNL/150/600



HPS/MH Lamp

Wattage	[W]	600HPS	600MH
Voltage	[V]	120	120
Current	[A]	5.8	5.8
Lumens(Whole luminaire)	[lm]	88000	55000
Power Factor		≥ 0.98	≥ 0.93
Bulb Type		T10	T10
CCT		2100K	4000K/6000K
CRI		25	70
Rated frequency	[HZ]	50/60	50/60
PPFD	[Umol/s/w]	1.68	1.29
Average Life	[hrs]	12000	10000

600W Ballast

Input Voltage	[V]	120-240/220-277
Input Frequency	[HZ]	50/60
Input Power Factor	$\cos\Phi$	≥ 0.98
THD	[%]	≤ 10
Wave Crest Ratio	[Q]	≤ 1.7
Starting Time	[S]	5 Max
Pulse Voltage	[KV]	4-5
Output Rated Frequency	[HZ]	110K
Open Circuit Voltage	[V]	$\leq 440/\leq 500$
Efficiency	[%]	$\geq 92\%$

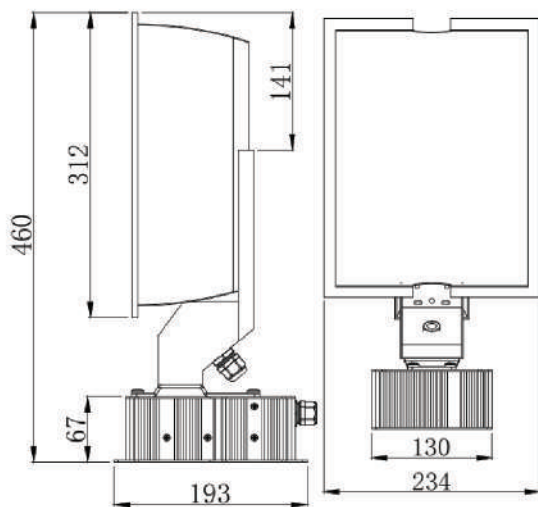


Integrated Reflector fixture
Dimmable function

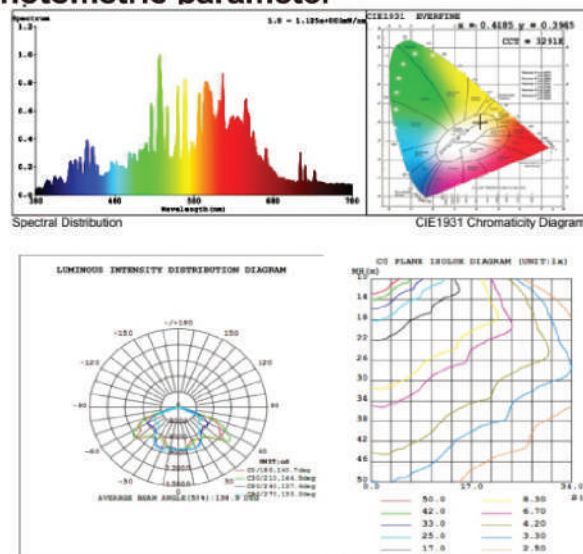
Adjustable Reflector fixture

95% Rate Reflector Fixture

Dimension



Photometric parameter



Product Information and Specification

Eagle Code: UNL/160/315

315W CMH Lamp: Biquartz & Common

Voltage	[V]	100/115
Current	[A]	3.15
Wattage	[W]	315
Lumens(Whole luminaire)	[lm]	30430
Power Factor	cosΦ	≥0.98
Bulb Type		PGZ18
CCT	[K]	3000K/4000K
CRI	[Ra]	90
Rated frequency	[HZ]	50/60
PPFD	[Umol/s/w]	1.58
Average Life	[hrs]	12000

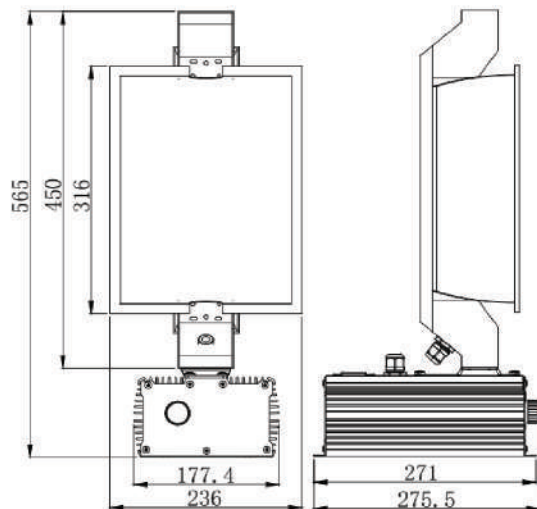
315W Ballast: Dimmable & Un-dimmable

Input Voltage	[V]	120-240/220-277
Input Frequency	[HZ]	50/60
Input Power Factor	cosΦ	≥0.98
THD	[%]	≤10
Wave Crest Ratio	[D]	≤1.7
Starting Time	[S]	5 Max
Pulse Voltage	[KV]	4-5
Output Rated Frequency	[HZ]	110
Open Circuit Voltage	[V]	≤440/≤500
Efficiency	[%]	≥92%

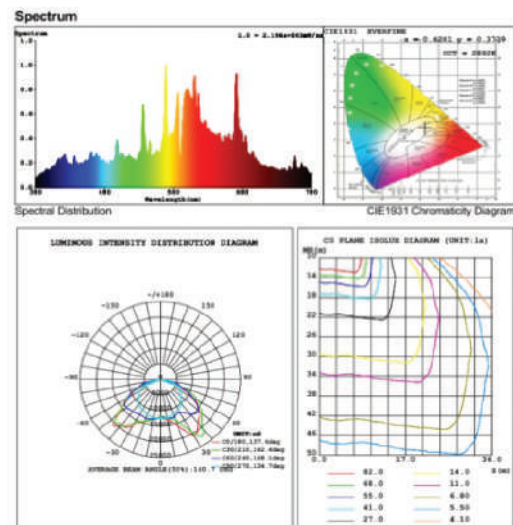


Integrated DE 630 CMH relector fixture
Dimmable function
Horizontal & Vertical installation as option

Dimension



Photometric parameter



Product Information and Specification

Eagle Code: UNL/170/630

630W CMH Lamp

Voltage	[V]	170-250
Current	[A]	3.5
Wattage	[W]	630
Lumens(Whole luminaire)	[lm]	81989
Bulb Type		T20
CCT	[K]	3000K/4000K
CRI	[Ra]	90
PPFD	[Umol/s/w]	1.8
Average Life	[hrs]	12000

630W Integrated Ballast

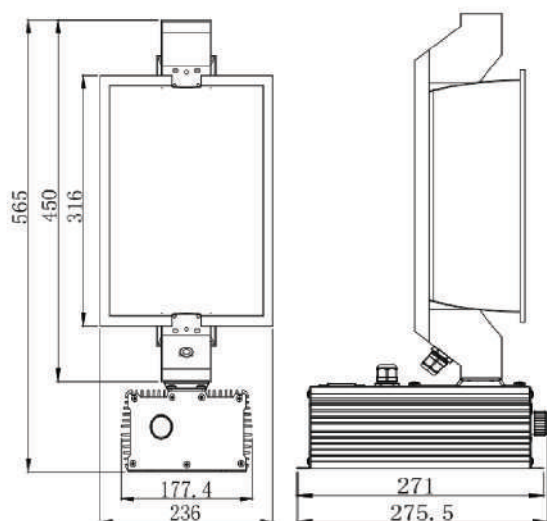
Input Voltage	[V]	120-277
Input Frequency	[HZ]	50/60
Input Power Factor	cosΦ	≥0.98
THD	[%]	≤10
Wave Crest Ratio	[Q]	≤1.7
Starting Time	[S]	5 Max
Pulse Voltage	[KV]	4-6
Output Rated Frequency	[HZ]	220
Open Circuit Voltage	[V]	≤450
Efficiency	[%]	≥92%



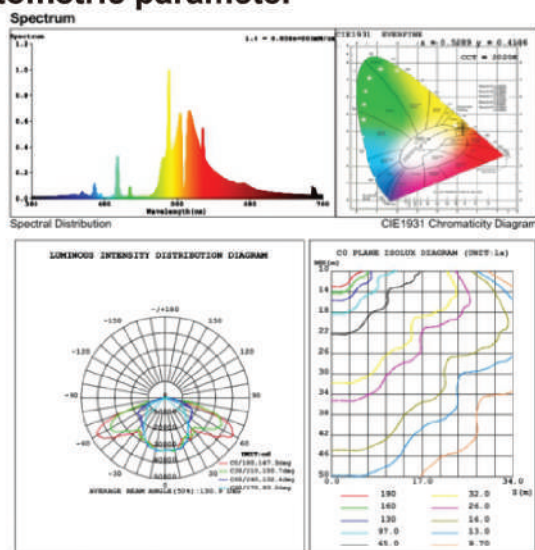
Dimmable fixture
0-10V Remote Control
Small volume to save shipping cost

95% Rate reflector fixture
Dimmable function
Easy installation and replacement

Dimension



Photometric parameter



Product Information and Specification

Eagle Code: UNL/180/1000

HPS/MH Lamp

Wattage	[W]	1000HPS	1000MH
Voltage	[V]	400	400
Current	[A]	4.4	4.4
Lumens(Whole luminaire)	[lm]	13500	95000
Power Factor	cosΦ	≥0.98	≥0.98
Bulb Type		T10	T10
CCT	[K]	2100K	4000K/6000K
CRI	[Ra]	25	70
PPFD	[Umol/s/w]	1.8	1.6
Average Life	[hrs]	12000	10000

1000W Ballast

Input Voltage	[V]	120-240/220-240/240-277/347-400
Input Frequency	[HZ]	50/60
Input Power Factor	cosΦ	≥0.98
THD	[%]	≤10
Wave Crest Ratio	[D]	≤1.7
Starting Time	[S]	5 Max
Pulse Voltage	[KV]	4-5
Output Rated Frequency	[HZ]	110K
Open Circuit Voltage	[V]	≤440/≤500/≤750
Efficiency	[%]	≥93%



315W CMH Lamp



500W CMH Lamp



630W DE CMH Lamp



600W DE HPS Lamp



1000W E39 HPS Lamp



1000W DE HPS Lamp



Product Information and Specification

315W CMH Lamp

Wattage	[W]	315
Voltage	[V]	100
Current	[A]	3.15
Lumens(Whole luminaire)	[lm]	27500
Power Factor	cosΦ	≥ 0.98
Bulb Type		PGZ18
CCT	[K]	3000K/4000K
CRI	[Ra]	90
Rated frequency	[HZ]	50/60
PPFD	[Umol/s/w]	1.6
Average Life	[hrs]	12000

630W CMH DE Lamp

Wattage	[W]	630
Voltage	[V]	200
Current	[A]	3.15
Lumens(Whole luminaire)	[lm]	75000
Power Factor	cosΦ	≥ 0.99
Bulb Type		T20
CCT	[K]	3000K/4000K
CRI	[Ra]	90
Rated frequency	[HZ]	50/60
PPFD	[Umol/s/w]	1.77
Average Life	[hrs]	12000

HPS Lamp

Wattage	[W]	600	1000
Voltage	[V]	120	230
Current	[A]	5.8	4.4
Lumens(Whole luminaire)	[lm]	88000	13500
Power Factor	cosΦ	≥ 0.98	≥ 0.98
Bulb Type		T10	T10
CCT	[K]	2100K	2100K
CRI	[Ra]	25	25
Rated frequency	[HZ]	50/60	50/60
PPFD	[Umol/s/w]	1.6	1.8
Average Life	[hrs]	12000	12000

MH Lamp

Wattage	[W]	600	1000
Voltage	[V]	120	230
Current	[A]	5.8	4.4
Lumens(Whole luminaire)	[lm]	65000	95000
Power Factor	cosΦ	≥ 0.93	≥ 0.98
Bulb Type		T10	T10
CCT	[K]	4000K/6000K	
CRI	[Ra]	70	70
Rated frequency	[HZ]	50/60	50/60
PPFD	[Umol/s/w]	1.29	1.6
Average Life	[hrs]	10000	10000

For Dimmable electronic ballasts
400W/600W/630W/1000W



Product Advantage

- No need for a switchboard
- Easy and safe installation (low voltage device)
- Protected against short circuit
- Double temperature safety feature
- Control up to 100 ballasts
- Show output as W or %
- Auto shutdown at temperature setting

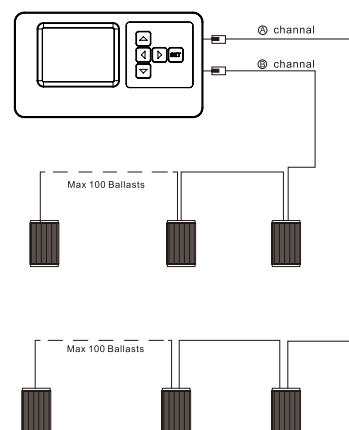
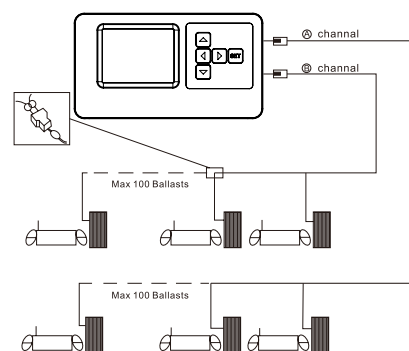
CONTROLLER

DE-SCP-01

Detailed Description

Performance	
InputVolts	5V DC
Select ballast type	400W/600W/630W/1000W
Set output level	50-115%
Outputs	2
Temperature sensors	2
Number of ballast per output	100
External Contactor Modules	2 optional

Dimension		
Case Length	152mm	5.98"
Case Width	85mm	3.35"
Height	32mm	1.26"
Weight	210g	0.56lb





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
 4000K

LGW2201

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

LGW3301

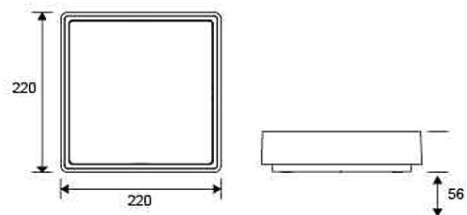
16 Watt
 1000 Lumen
 Length: 296mm
 Width: 296mm
 Depth: 78mm

LGW4001

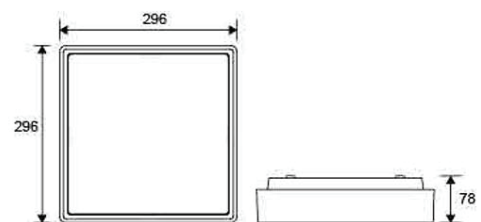
20 Watt
 1200 Lumen
 Length: 400mm
 Width: 400mm
 Depth: 93mm



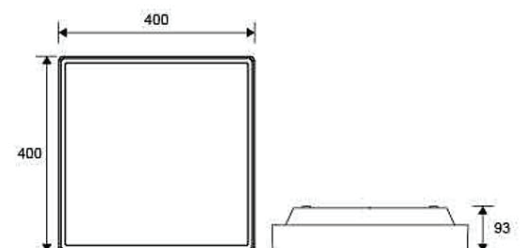
LGW2201



LGW3301



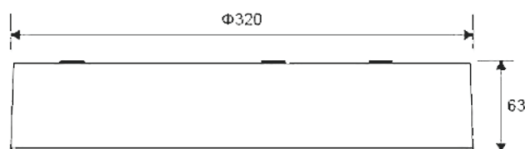
LGW4001





LGW3201

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
 1300 Lumen
 4000K
 21 Watt
 Diameter: 320mm
 Width: 63mm



LED



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

LGW3001 - PLAIN

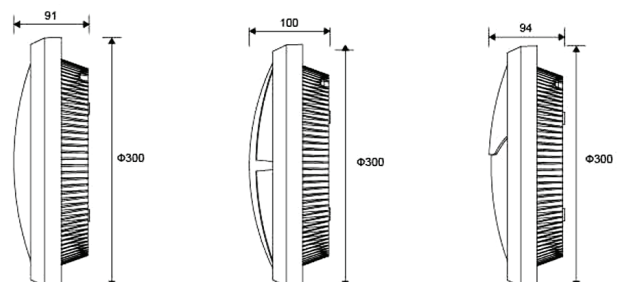
13.5 Watt
 1150 Lumen
 Diameter: 300mm
 Depth: 91mm

LGW3002 - GRID

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

LGW3003 - EYELID

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





LGW5201

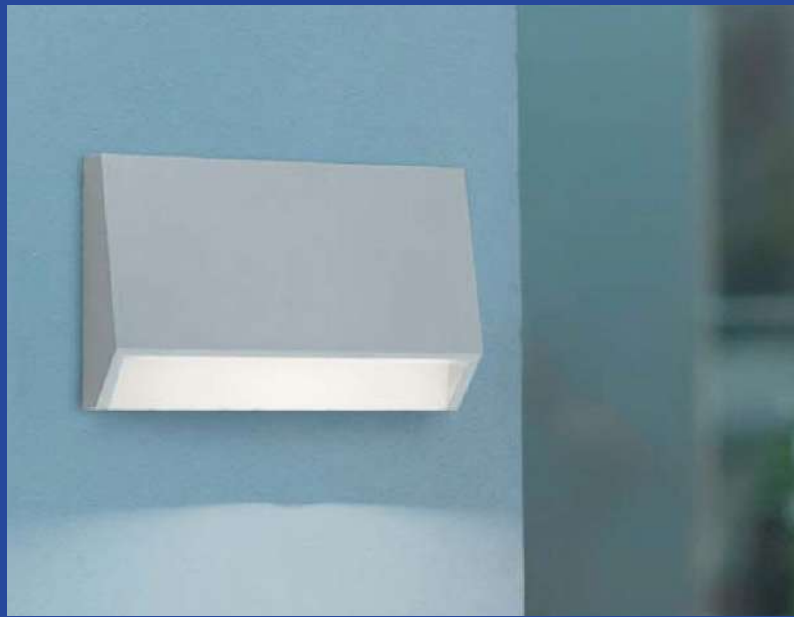
LED Indoor & Outdoor Light - Surface Mount
 UV Resistant & Corrosion Proof
 Colours: Grey & White
 220-240V ~ 50Hz
 CRI: >80
 Material: PC + ABS & PC Diffuser
 IP65
 Class II
 1000 Lumen
 4000K
 13 Watt
 Diameter: 250mm
 Depth: 60mm



LGW6201

LED Indoor & Outdoor Light - Surface Mount
 UV Resistant & Corrosion Proof
 Colours: Grey & White
 220-240V ~ 50Hz
 CRI: >80
 Material: PC + ABS & PC Diffuser
 IP65
 Class II
 1000 Lumen
 4000K
 13 Watt
 Length: 220mm
 Width: 220mm
 Depth: 60mm





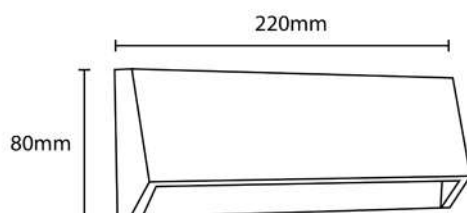
LGW7201

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



LGW2801

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

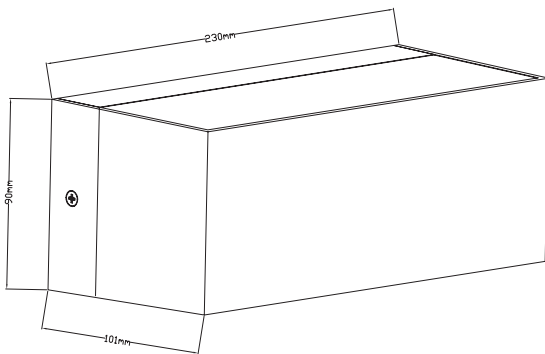




LGW2300

LED Outdoor Wall Light
220-240V AC
700 Lumen
IP65
4000K
13Watt
230 x 90 x 101mm
ABS + PC Body
PC Diffuser
Class II
300mA Driver

LED



LGW1603

Outdoor Wall Light - Square
1 x GU10 Max 9W - 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 9W - 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 9W - LED Lamps Only
UV Resistant & Corrosion Proof
PC + ABS & PC Diffuser
Black
220-240V AC / 50/60Hz
IP54
LxW: 90mm
Height: 215mm
Depth: 113mm
Class II



LGW2204

Outdoor Wall Light - Round
2 x GU10 Max 9W - 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 heli coils.
Diffuser is injection moulded from BASF Macrolon polycarbonate.
The fitting is designed so that the mounting screws are outside the sealed area.

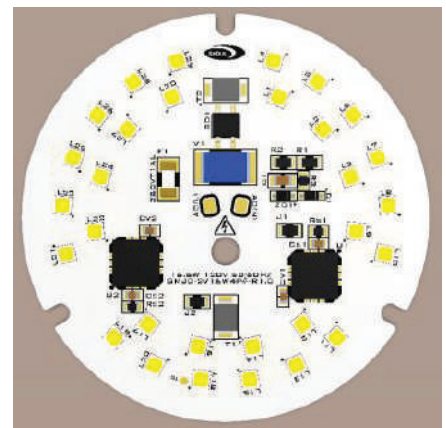
Specifications

IP Rating: IP65
Diameter: 280mm
Raw Lumens: 1500Lm / Actual Lumens: 1350Lm
Power: Seoul Semiconductor 16.6W
Colour: Black or White
Kelvin Rating: 3000K or 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



KAT187 - EYELID



KAT188 - GRID



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

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

Grid Bulkhead

KAT117 : 2 X 18W CCG TCD
KAT121 : 1 X E27 CFL / LED

Plain Bulkhead

KAT118 : 2 X 18W CCG TCD
KAT120 : 1 X E27 CFL / LED

Eyelid Bulkhead

KAT119 : 2 X 18W CCG TCD
KAT122 : 1 X E27 CFL / LED

Specification code

KAT118 and KAT120- Plain version
KAT122 and KAT119-Eyelid version
KAT121 and KAT117- Grid version

SABS Approved

Manufactured in South Africa for Eagle Lighting

Plain Bulkhead



Grid Bulkhead



Eyelid Bulkhead



GTL250

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



GTL251

Grid Bulkhead - Square
1 x GX53 CFL/LED
Polycarbonate Diffuser
Die-cast Aluminium
IP54
Height: 145mm
Width: 145mm
Depth: 58mm



GTL252

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



GTL253

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



GTL254

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



GTL255

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



GTL256

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



GTL257

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



GTL258

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



GTL259

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



GTL260

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



GTL261

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



GTL262

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



GTL263

2 x 23W CFL Standard
or 2 x 26W TCD with gear extra
Polycarbonate Body
Clear Aluminium reflector
IP65
Height: 276mm
Width: 276mm
Depth: 188mm



GTL264

2 x 23W CFL Standard
or 2 x 26W TCD with gear extra
Polycarbonate Body
Clear Aluminium reflector
IP65
Height: 308mm
Width: 288mm
Depth: 182mm



GTL265

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





GTL575

SURFACE MOUNT LED LUMINAIRE
4000K
15W LED
220~240V
50Hz / 60Hz
Lifespan: 20 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: 20 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: 20 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: 20 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: 20 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: 20 000Hrs
IP65
Diameter: 330mm
Height: 55mm
2050Lm
Outdoor: Ceiling mount only
Indoor: Ceiling and wall mounting





GTL276 & 277

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



GTL291 & GTL292

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





GTL412

80W LED Floodlight
220~240V / 50Hz
5400 Lumen
IP65
4000K
Length: 29.2cm
Width: 25.5cm
Depth: 9.2cm
Body Colour: Grey



LED

GTL413

100W LED Floodlight
220~240V / 50Hz
7000 Lumen
IP65
4000K
Length: 29.2cm
Width: 25.5cm
Depth: 9.2cm
Body Colour: Grey



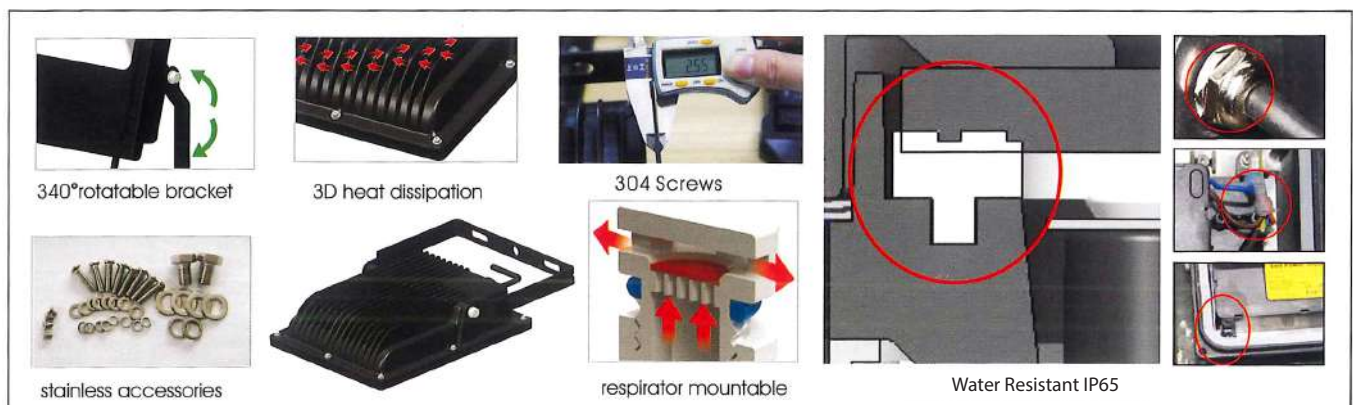
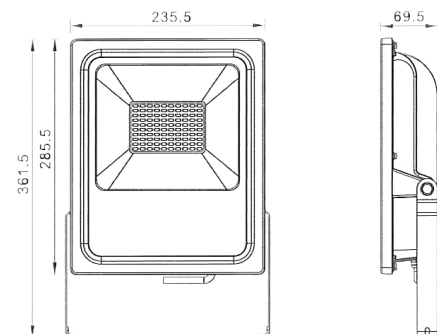
LED

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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- Die-cast ADC12 Aluminium Alloy Housing
- 4mm tempered glass cover, strong protection and good optical function
- Water Resistant: IP65
- Lifespan: 35 000 Hours
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 50W
- Lumens: 115Lm/W - 5750Lm
- CCT: 4000K
- CRI: >70
- Beam Angle: 120°

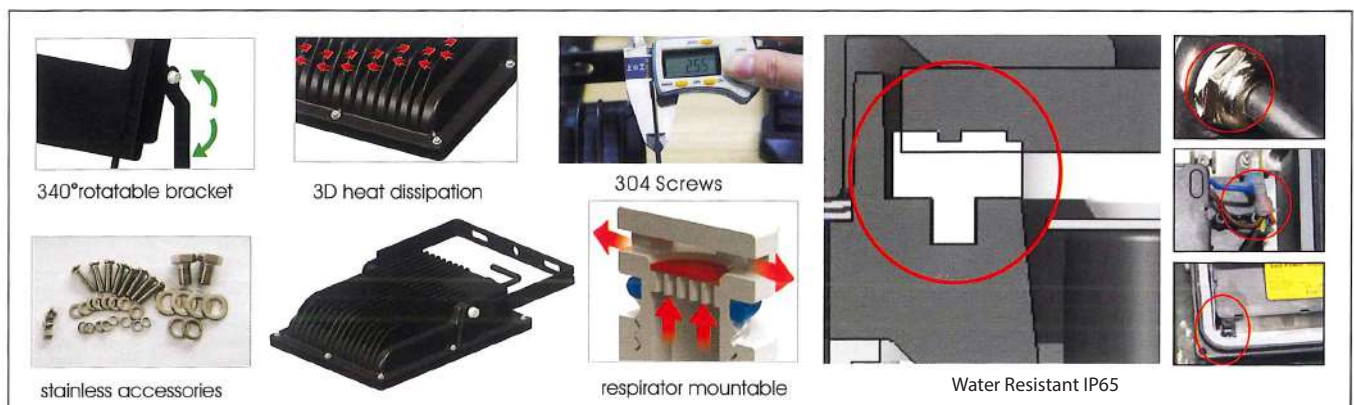
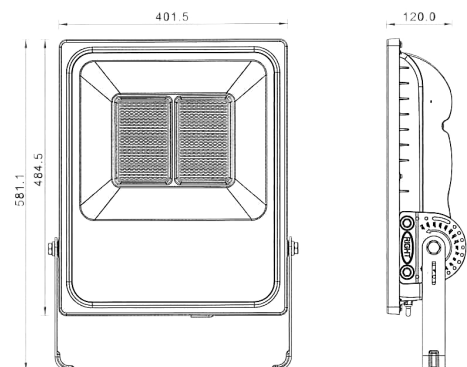


FEATURES:

- 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.
- Compared with the filament lamp of the same light effect, 80% reduction in energy consumption.
- Novel, elegant design with modern lighting features, easy to install and adjust.

SPECIFICATION:

- Die-cast ADC12 Aluminium Alloy Housing
- 4mm tempered glass cover, strong protection and good optical function
- Water Resistant: IP65
- Lifespan: 35 000 Hours
- Operating temperature: -20-50°C
- Storage temperature: -40-60°C
- Power: 200W
- Lumens: 115Lm/W - 23000Lm
- CCT: 4000K
- CRI: >70
- Beam Angle: 120°



ALX RANGE

The ALX is a range of 15W-240W LED area lights designed to meet international standards in safety and durability with unsurpassed light output in such a small form factor. A range of optics are available 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 LEDs with solid thermal management, we extend the expected life span of the ALX luminaires in the African climate. Furthermore, by eliminating moving parts, we have designed this luminaire to be extremely durable. The ALX 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 ALX range is Renewable Ready. Low voltage DC versions are available, making them ideal for emergency lighting and remote location usage. Our ALX range is completed with infra-red (IR) luminaires developed for customers seeking the benefits of energy efficiency and optimised camera performance that LED lighting offers. IR light, which is invisible to the human eye but visible to CCTV cameras, is ideal for surveillance where cameras can see but intruders cannot. Clear images can be captured of intruders who unwittingly believe they are operating under the cover of darkness. Our range is also perfect for area cover where light pollution needs to be avoided such as hotels, residential complexes and parks. The ALX IR range is the perfect choice when retrofitting area lighting, offering the benefits of power savings and preserving your current CCTV system without the need for a costly upgrade.

KEY ADVANTAGES

- Extremely reliable LED lamps in IP67 Compartment
- Superior quality OSRAM LED's
- Variable optics ensure units are aesthetically identical, while still optimising light distribution
- Very low maintenance
- 100% designed and manufactured in SA
- Lifespan of 80k/100k hrs, lumen depreciation of not more than 20%/30% (L80B10/L70B10)
- Suitable for temperatures up to 45°C
- Designed for easy retrofit or new installation
- 5 or 8 year warranty options with 12 year design life
- Universal power input range 97-277VAC

APPLICATIONS

- Area Lighting
- Warehouses
- Industrial Areas & Workshops
- Refrigeration Rooms
- Signage
- Architectural
- Perimeter
- CCTV (IR range)

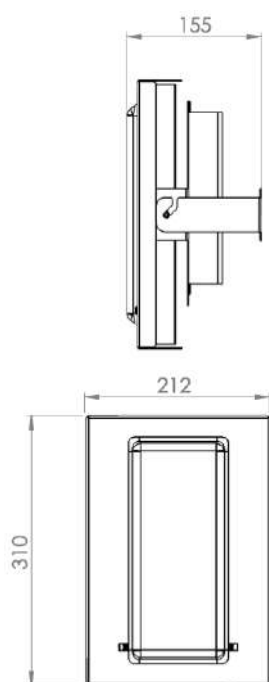


The ALX range is designed to be powerful, yet compact, with ease of installation in mind. The standard bracket can be used for suspended and roof/wall mounting. Installation is optimised to fit existing 50mm inspection boxes. They can also easily be placed in arrays for high mast lighting. Custom mounting brackets are available on request. The housing can be specified in a range of material including stainless steel (3CR12) and all options are epoxy coated. The optics offers more vandal resistance than glass and the entire fitting is manufactured to the SANS 60598 standard for safety. This makes the ALX the most powerful units for size and power consumption on the market. This, together with our excellent after sales service, makes this product the superior choice for any area light installation.

SPECIFICATIONS

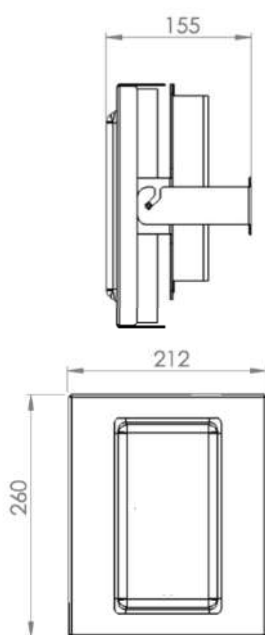
Type: Area Light LED Luminaire
 Optical Compartment Protection: IP67
 Control Gear Protection: IP65
 Impact Resistance (Polycarbonate): IK5-10
 Control Gear Voltage: 90V - 295VAC, 50Hz as well as 127-417VDC
 Lamps: Replaceable High Power LED Module
 Colour Temperature: 4000K >80 CRI or 5700K >70 CRI
 Housing Material: Coated Stainless Steel (3CR12)
 Weight: 6.5Kg - 13.5Kg
 Light Engine: Anodised Aluminium & PMMA
 Standard Colour: RAL 9003 (White)
 Total Power Consumption: 15W - 240W
 Temperature Range: -30°C to 45°C
 LED Lifespan (L80B50)*: 80 000Hrs @45°C ambient / 100 000Hrs @35°C ambient
 * Lumen depreciation not more than 10% in accordance with LM-80 - TM-21

HOUSING DIMENSIONS



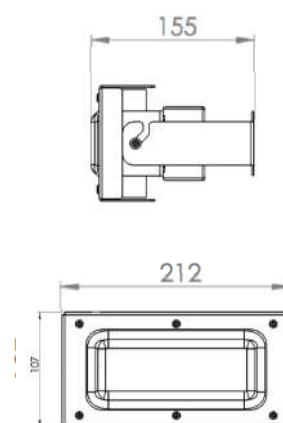
ALX-L

FLOOD 180w-240w
 OPTICS 100w-240w



ALX-M

FLOOD 75w-150w
 OPTICS 50w-75w



ALX-S

FLOOD 15w-60w
 OPTICS 15w-40w

ORDERING DETAILS

The ALX range of luminaires comes standard in a range of wattages from 15w - 240w. These are housed in 3 different sizes and conveniently labelled small, medium and large. All models are available with various beam angles, colour temperatures and materials, allowing the ALX to be the perfect fit for any area light requirements. Contact us with your specific lighting requirements and we will be happy to customise a solution for you.

PRODUCT CODE: **ALX | W | C | O | M**



STANDARD FLOOD

power / wattage	colour temperature	optical angle	chassis material
S15 - 15w / 1927Lm S30 - 30w / 4479Lm S50 - 50w / 7166Lm S60 - 60w / 8361Lm M75 - 75w / 10571Lm M100 - 100w / 13213Lm M150 - 150w / 21141Lm L180 - 180w / 24665Lm L240 - 240w / 30134Lm	30 - 3000°k 40 - 4000°k 50 - 5000°k 57 - 5700°k	M - 80° Medium W - 120° Wide	C - SS 3CR12 S - SS 316

WITH OPTICS

power / wattage	colour temperature	optical angle	chassis material
SO15 - 15w / 1517Lm SO25 - 25w / 3315Lm SO40 - 40w / 4661Lm MO50 - 50w / 6630Lm MO75 - 75w / 8584Lm LO100 - 100w / 13600Lm LO150 - 150w / 20720Lm LO220 - 220w / 27627Lm	30 - 3000°k 40 - 4000°k 50 - 5000°k 57 - 5700°k	S - 19° Spot M - 27° Medium W - 58° Wide VW - 98° Very Wide O - 32° x 115 Oval C - Custom	C - SS 3CR12 S - SS 316

INFRARED FLOOD

power / radiant flux	wave length	optical angle	chassis material
SI25 - 25w / 10,78 Φ SI50 - 50w / 21,56 Φ	8 - 850nm 9 - 940nm	M - 90° Medium W - 150° Wide	C - SS 3CR12 S - SS 316

INFRARED WITH OPTICS

power / radiant flux	wave length	optical angle	chassis material
SIO20 - 20w / 8,60 Φ SIO40 - 40w / 17,20 Φ	8 - 850nm 9 - 940nm	S - 15° Spot M - 29° Medium W - 42° Wide	C - SS 3CR12 S - SS 316

GTL440 - White

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



GTL441 - White

GTL441/04 - Black

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



GTL442 - White

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



GTL446 - White

GTL446/04 - Black

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



GTL447 - White

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



GTL448 - White

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



COMPOSITE LED FLOODLIGHTS

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

ZLT300

Power: 100W

Voltage Input: AC 85-265V

Luminous Efficiency: 90-110 lm/W

CCT: 4000K

IP65

ZLT305

Power: 150W

Voltage Input: AC 85-265V

Luminous Efficiency: 90-110 lm/W

CCT: 4000K

IP65

ZLT301/D

Power: 100W Dimmable with Dali Dim

Voltage Input: AC 85-265V

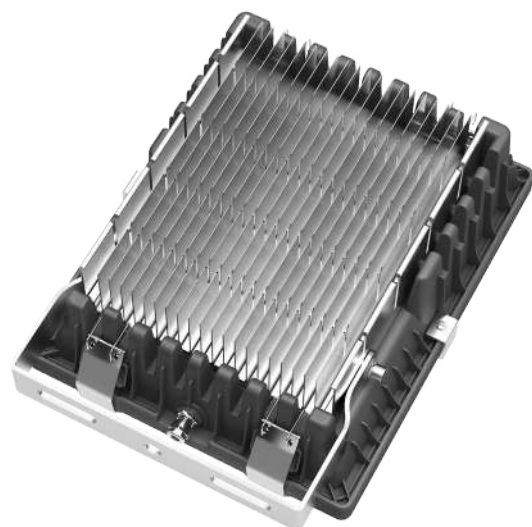
Luminous Efficiency: 90-110 lm/W

CCT: 4000K

IP65



LED





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

Diameter: 260mm
Depth: 55mm

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

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

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

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

Diameter: 310mm
Depth: 55mm

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

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

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

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

Diameter: 350mm
Depth: 55mm

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

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

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

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





WXX701 - LED Ceiling Fitting - Round

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



WXX703 - LED Ceiling Fitting - Round

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



WXX705 - LED Ceiling Fitting - Round

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

ZCL308/SQR

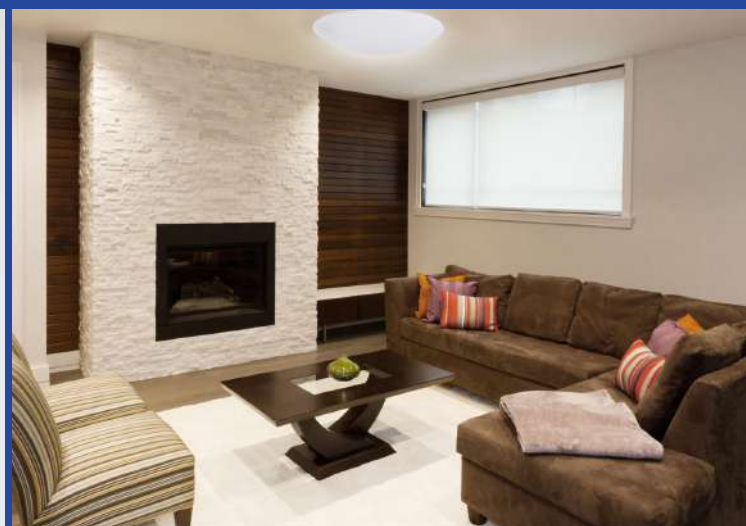
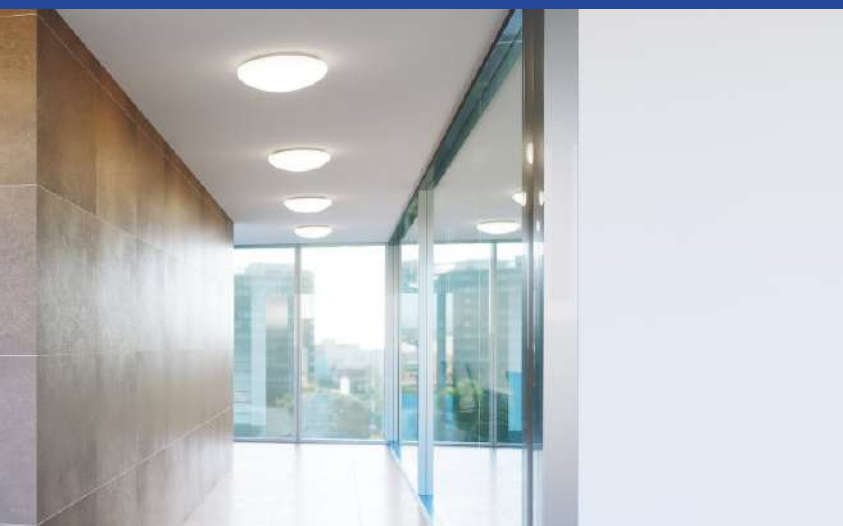
LED ceiling / wall mounted fitting - Square
4000K
Surface mount
Energy efficient
Impact resistant
Lifespan: 20 000Hrs
18W
L x W: 215mm
Depth: 30mm



LED

ZCL309/SQR

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



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



LED



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



PEN1041

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

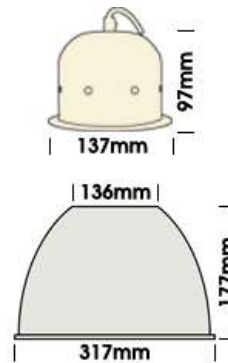
Accessory's:

Code: GTL096 - Acrylic Bottom Cover Small
Code: GTL094 - Small Retaining Ring

Parts:

Code: SN162 - Small Cap
Code: GTL098 - Acrylic Dome Small
1 x 75W E27
1 x 23W CFL E27

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



PEN1042

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

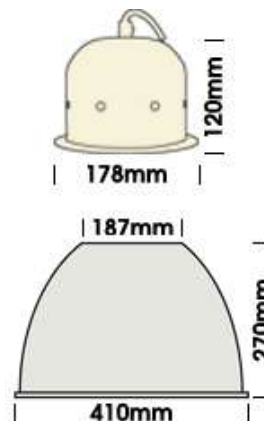
Accessory's:

Code: GTL097 - Acrylic Bottom Cover Medium
Code: GTL095 - Medium Retaining Ring

Parts:

Code: SN163 - Medium Cap
Code: GTL099 - Acrylic Dome Medium
1 x 100W E27
1 x 45W CFL E27

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



ALSO AVAILABLE:

PEN1045/25

Acrylic Pendant Fitting with white dome & aluminium cap - 100W

PEN1043

Acrylic Pendant Fitting with white dome & black aluminium cap





WXX430

BACKLIT LED PANEL - CCT COLOUR CHANGEABLE - 36W

Non Dimmable

Length: 595mm

Width: 595mm

Depth: 32mm

- Uniform light effect with optic lens.
- Integrated iron plate design provides excellent thermal management.
- Concise design offers high cost performance.
- Built-out driver.
- Installation: recessed, suspended and surface mounted.

Wattage: 36W

Voltage: 200-240V AC Flicker free driver

LED Module Input: 30-42V DC 850mA CC

Light Source: SMD

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

CCT Selection DIP Switch: Yes

Dimmable: No

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

Lumens per Watt: 90-100Lm

CRI: >80

Beam Angle: 120°

UGR: 22

Electrical Class: Class II

IP Rating: IP40

Product Finishing(Base): White

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

Average Lifetime: 50 000Hr

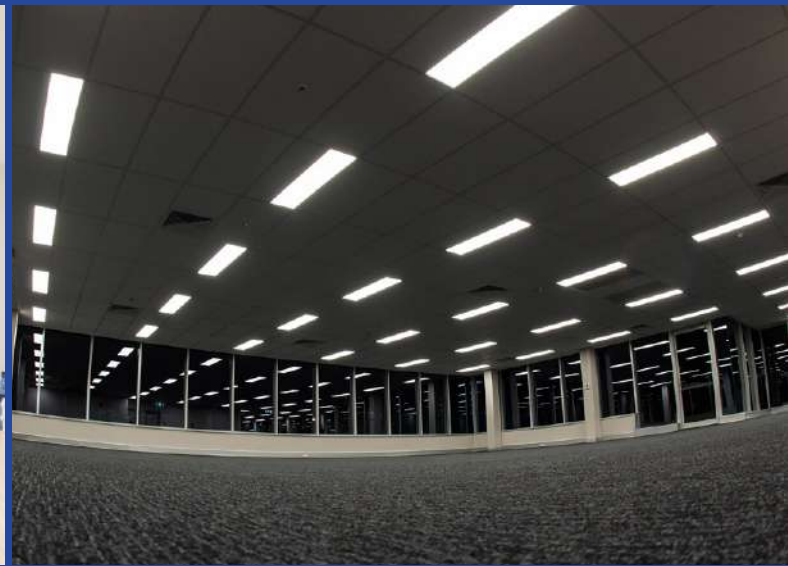
Operating Temperature: -20°C ~ 45°C

Storage Temperature: -20°C ~ 65°C

Extra Available: WXX401 Surface Frame



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



WXX460

BACKLIT LED PANEL - CCT COLOUR CHANGEABLE - 60W

Non Dimmable

Length: 1195mm

Width: 595mm

Depth: 32mm

- Uniform light effect with optic lens.
- Integrated iron plate design provides excellent thermal management.
- Concise design offers high cost performance.
- Built-out driver.
- Installation: recessed, suspended and surface mounted.

Wattage: 60W

Voltage: 200-240V AC Flicker free driver

LED Module Input: 30-42V DC 1500mA CC

Light Source: SMD

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

CCT Selection DIP Switch: Yes

Dimmable: No

Luminous Flux +/- 5%: 5290-5520Lm

Lumens per Watt: 90-100Lm

CRI: >80

Beam Angle: 120°

UGR: 22

Electrical Class: Class II

IP Rating: IP40

Product Finishing(Base): White

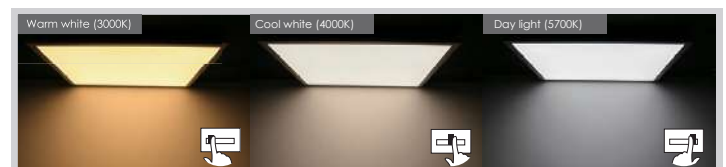
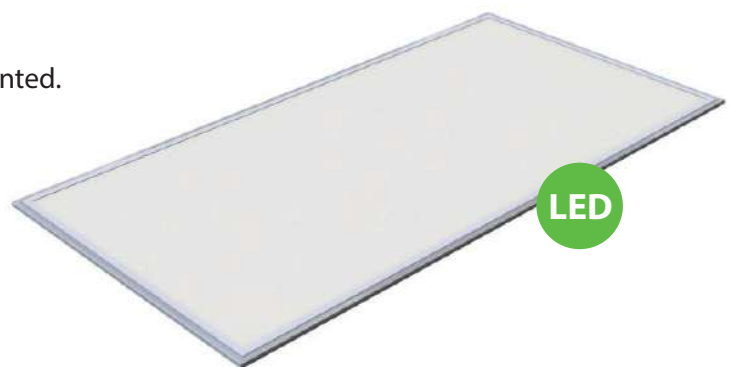
Material: PMMA(Lens) + PS(Diffuser) + Aluminium(Frame)

Average Lifetime: 50 000Hr

Operating Temperature: -20°C ~ 45°C

Storage Temperature: -20°C ~ 65°C

Extra Available: WXX402 Surface Frame



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



WXX433 BACKLIT LED PANEL - 40W

Non Dimmable

Length: 595mm
Width: 595mm
Depth: 30mm

Wattage: 40W
LED: 2835
Lifetime: 50 000Hrs
Driver: Boke Constant Current BK-BEL042-0850, Flicker free
IP Class: IP20
Input Voltage: 220-240V ~ 50/60Hz
Power Factor: >0.9
CRI: >80
Driver output Voltage: 28-42V
Driver Output Current: 900mA
Operation Temperature: -20°C~40°C
CCT: 4000K
Efficacy: 100lm/W
Beam Angle: 120°
Heat Sink: Aluminium
Diffuser: PS
Colour: White
Warranty: 5 Years

Extra Available: Surface Frame



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



WXX500 ECO LED PANEL LIGHT - 40W

Non Dimmable

Length: 595mm

Width: 595mm

Depth: 10mm

Input voltage: 100-240V

Frequency Range: 50-60Hz

Power Factor: >0.9

LED Light Source: SAN'AN 4014 0.2W

Total Harmonic Distortion: <20%

System Power: 40W

Luminous Efficiency: 80lm/w

Luminous Flux: 3200lm

Working Temperature: - 20°C-45°C

CCT: 4000K

Ra: >80

IP Rating: IP20

Installation: Recessed / Suspended/ Surface Mounted

Lifespan: 25 000Hrs

Electric-shock Safeguard: CLASS II

Overload protection: YES

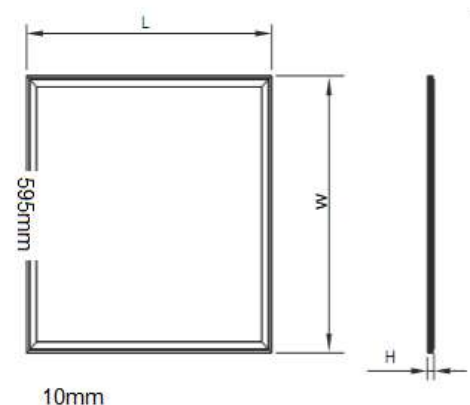
Body material: Aluminium Frame

Diffuser material: PS

Make and model of Driver: WXX500/40W

Warranty: 2 years

Extras Available: WXX008 Surface Frame & WXX001 Suspension Cable



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



WXX600

LED PANEL LIGHT - 40W

Dimmable - 1-10V

Length: 595mm

Width: 595mm

Depth: 10mm

Material: Aluminum + PMMA + PS

Colour: White Body

IP Rating: IP20

Installation: Recessed / Suspended / Surface Mounted

Lifespan: 50 000Hrs

Warranty: 5 years

Beam angle: 120°

Luminous flux: 4300lm \pm 10%

Colour temp: 4000K \pm 275K

Ra: >80

Driver type: Constant current driver

Rated power: 40W \pm 10%

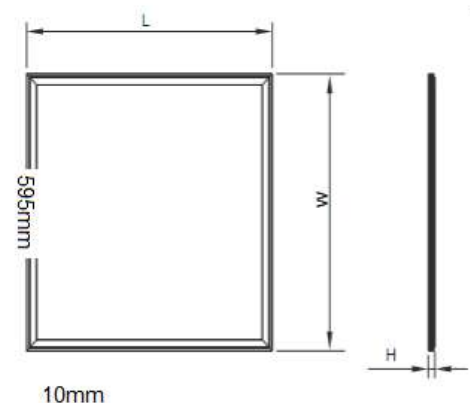
Input Voltage: AC100-240V 50Hz

Output voltage: 27-42V

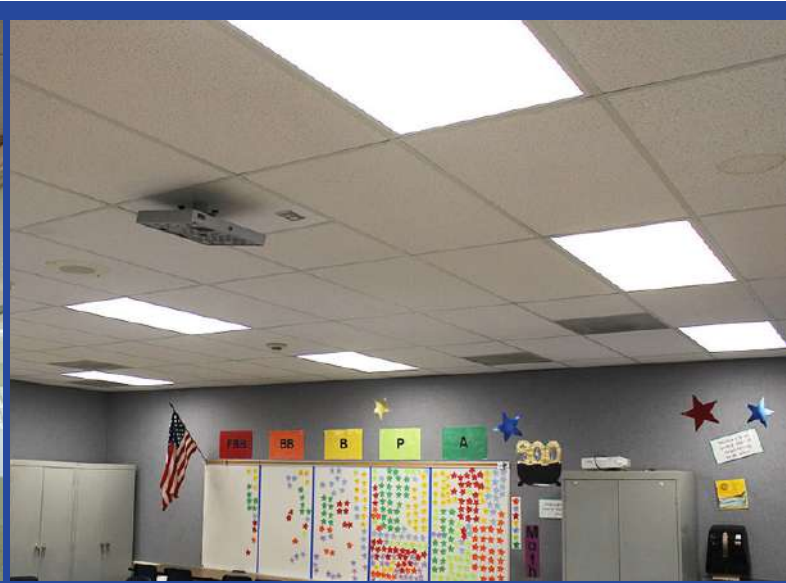
Input current: 182mA (@AC220V)

Output current: 900mA

Extras Available: WXX008 Surface Frame & WXX001 Suspension Cable



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

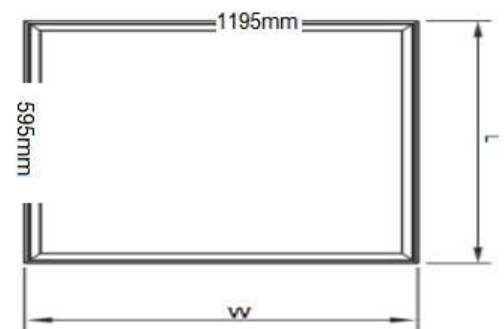


WXX545 ECO LED PANEL LIGHT - 60W

Non Dimmable

Length: 595mm
Width: 1195mm
Depth: 10mm

Input voltage: 100-240V
Frequency Range: 50-60Hz
Power Factor: >0.9
LED Light Source: SAN'AN 4014 0.2W
Total Harmonic Distortion: <20%
System Power: 60W
Luminous Efficiency: 80lm/w
Luminous Flux: 4800lm
Working Temperature: - 20°C-45°C
CCT: 4000K
Ra: >80
IP Rating: IP20
Installation: Recessed / Suspended / Surface Mounted
Lifespan: 25 000Hrs
Electric-shock Safeguard: CLASS II
Overload protection: YES
Body material: Aluminium Frame
Diffuser material: PS
Make and model of Driver: WXX540/60W
Warranty: 2 years
Extras available: WXX010 Surface Frame & WXX001 Suspension Cable



ALSO AVAILABLE: WXX545/3000K

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



WXX620 LED PANEL LIGHT - 40W

Dimmable - 1-10V

Length: 295mm

Width: 1195mm

Depth: 10mm

Material: Aluminum + PMMA + PS

Colour: White Body

IP Rating: IP20

Installation: Recessed / Suspended / Surface Mounted

Lifespan: 50 000Hrs

Warranty: 5 years

Beam angle: 120°

Luminous flux: 4200lm \pm 10%

Colour temp: 4000K \pm 275K

Ra: >80

Driver type: Constant current driver

Rated power: 40W \pm 10%

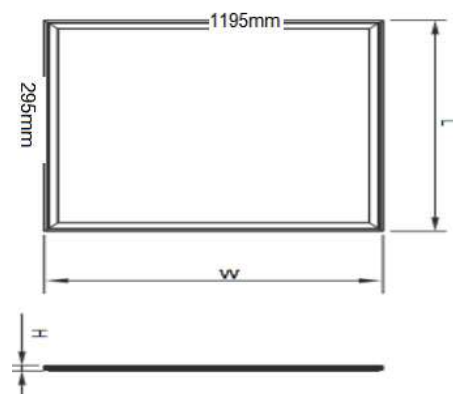
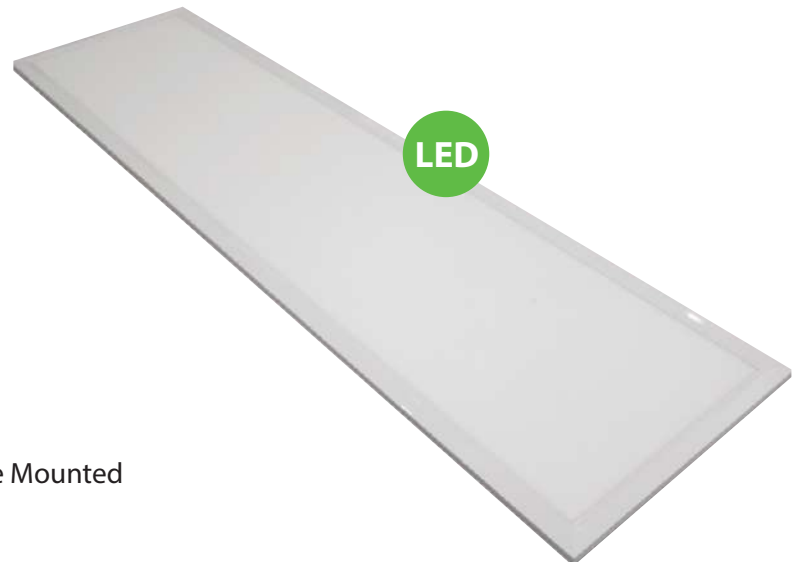
Input Voltage: AC 220-240V 50Hz

Output voltage: 25-42V

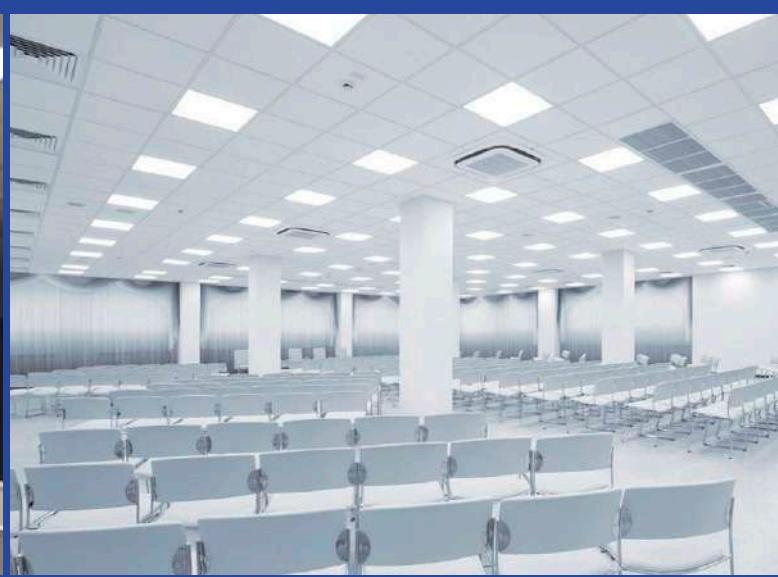
Input current: 182mA (@AC220V)

Output current: 950mA

Extras available: WXX009 Surface Frame & WXX001 Suspension Cable



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



WXX601

LED PANEL LIGHT - HONEYCOMB - 40W

Dimmable - 1-10v

Length: 595mm

Width: 595mm

Depth: 10mm

Material: Aluminum + PMMA + PS

Diffuser: Honeycomb Anti-Dazzle

Colour: White Body

IP Rating: IP20

Installation: Recessed / Suspension / Surface mounted

Lifespan: 50 000Hrs

Warranty: 5 years

Beam angle: 120°

Luminous flux: 4400lm \pm 10%

Colour temp: 4000K \pm 275K

Ra: >80

Driver type: Constant current driver

Rated power: 40W \pm 10%

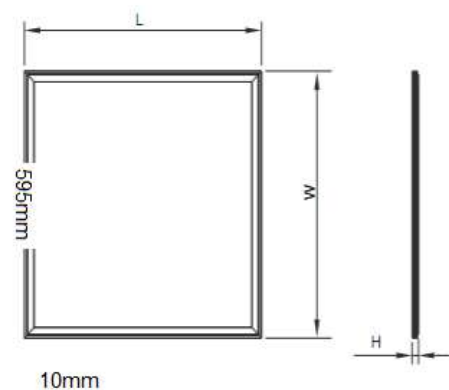
Input Voltage: AC100-240V 50Hz

Output voltage: 27-42V

Input current: 0.182mA(@AC220V)

Output current: 900mA

Extras Available: WXX008 Surface Frame & WXX001 Suspension Cable



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



WXX640 LED PANEL LIGHT - 60W

Dimmable - 1-10V

Length: 595mm

Width: 1195mm

Depth: 10mm

Material: Aluminum + PMMA + PS

Colour: White Body

IP Rating: IP20

Installation: Recessed / Suspended / Surface Mounted

Lifespan: 50 000Hrs

Warranty: 5 years

Beam angle: 120°

Luminous flux: 6700lm \pm 10%

Colour temp: 4000K \pm 275K

Ra: 80

Driver type: Constant current driver

Rated power: 60W \pm 10%

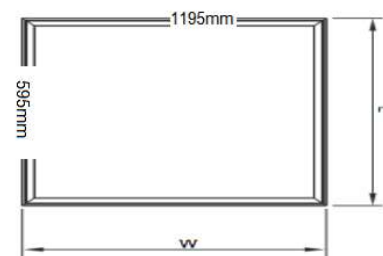
Input Voltage: AC 100-240V 50Hz

Output voltage: 27-42V

Input current: 273mA(@AC220V)

Output current: 1300mA

Extras Available: WXX010 Surface Frame & WXX001 Suspension Cable



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



WXX645 **LED PANEL LIGHT - 60W**

Non Dimmable

Length: 595mm

Width: 1195mm

Depth: 10mm

Material: Aluminum + PMMA + PS

Colour: White Body

IP Rating: IP20

Installation: Recessed / Suspended / Surface Mounted

Lifespan: 50 000Hrs

Warranty: 5 years

Beam angle: 120°

Luminous flux: 6700lm \pm 10%

Colour temp: 4000K \pm 275K

Ra: 80

Driver type: Constant current driver

Rated power: 60W \pm 10%

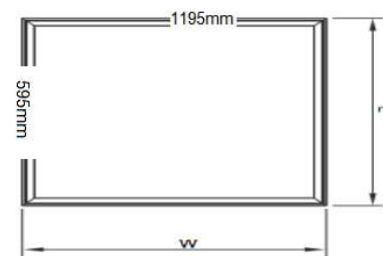
Input Voltage: AC 100-240V 50Hz

Output voltage: 27-42V

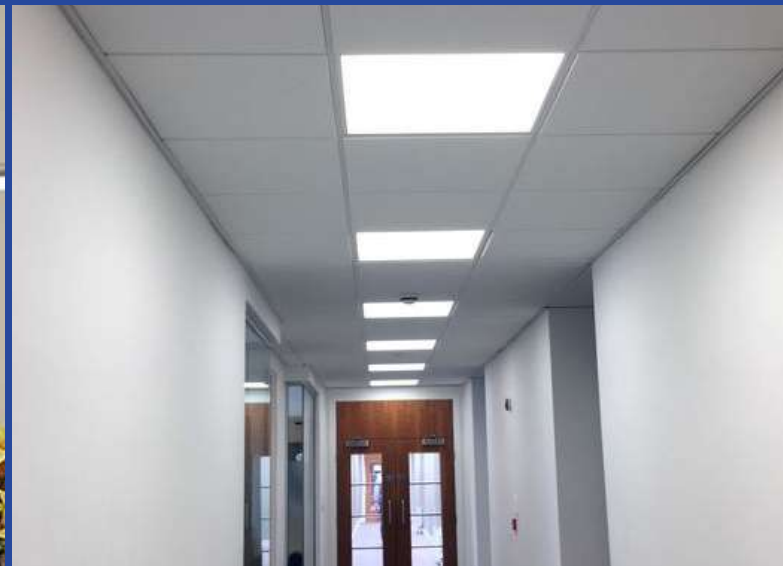
Input current: 273mA(@AC220V)

Output current: 1300mA

Extras Available: WXX010 Surface Frame & WXX001 Suspension Cable



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



WXX610 LED PANEL LIGHT - 40W

Non Dimmable

Length: 595mm

Width: 595mm

Depth: 10mm

Material: Aluminum + PS

Colour: White Body

IP Rating: IP20

Installation: Recessed / Suspended / Surface Mounted

Lifespan: 50 000Hrs

Warranty: 5 years

Beam angle: 120°

Luminous flux: 4400lm \pm 10%

Colour temp: 4000K \pm 275K

Ra: >80

Driver type: Constant current driver

Rated power: 40W \pm 10%

Input Voltage: AC100-240V 50Hz

Output voltage: 27-42V

Input current: 182mA (@AC220V)

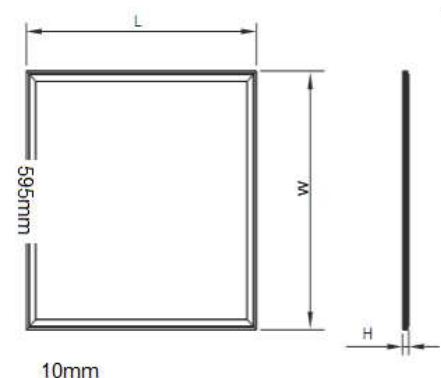
Output current: 900mA

Power Factor: >0.9

Overload Protection: Yes

Electric-shock Safeguard: Class II

Extras Available: WXX008 Surface Frame & WXX001 Suspension Cable



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



WXX641 **LED PANEL LIGHT - HONEYCOMB - 40W**

Dimmable - 1-10V

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: 7150lm \pm 10%

Colour temp: 4000K \pm 275K

Ra: 80

Driver type: Constant current driver

Rated power: 60W \pm 10%

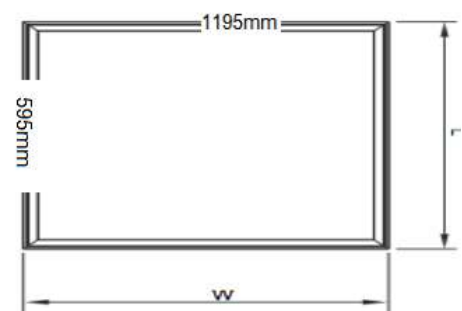
Input Voltage: AC100-240V 50Hz

Output voltage: 27-42V

Input current: 0.273mA(@AC220V)

Output current: 1300mA

Extras Available: WXX010 Surface Frame & WXX001 Suspension Cable



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
50 000Hrs

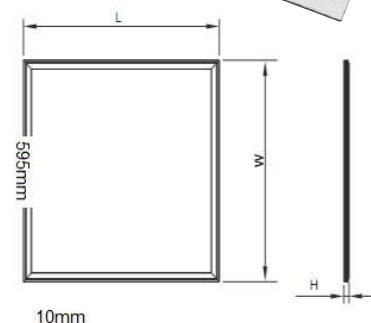
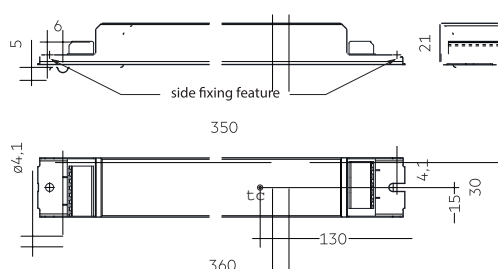
Length: 595mm
Width: 595mm
Depth: 10mm

Product Description:

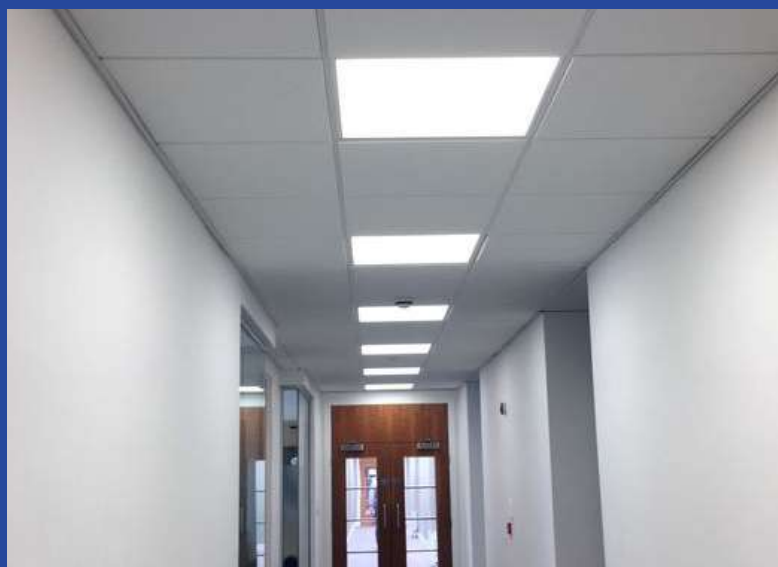
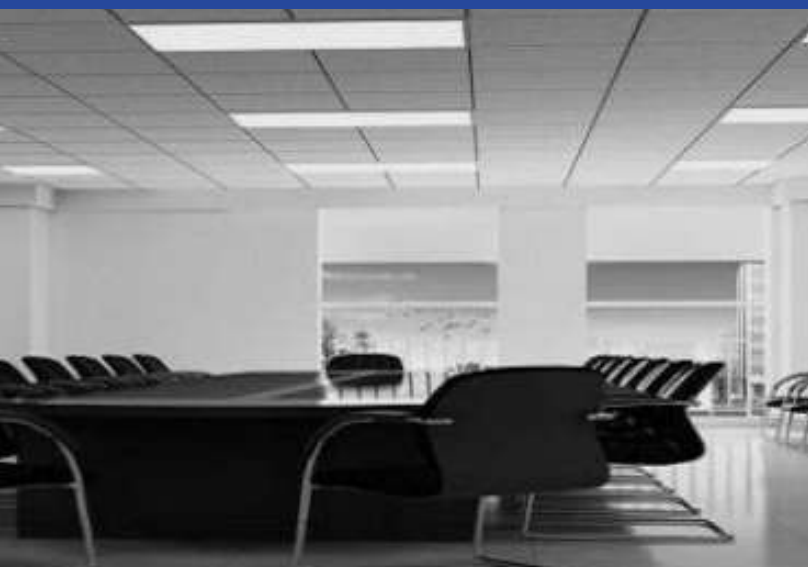
- Dimmable built-in constant current 2-channel LED Driver with DALI DT8
- Dimming range 3 – 100 %
- Suitable for luminaires of protection class I
- Adjustable output current between 350 and 1,050 mA for each channel via I-SELECT 2 plugs or DALI
- Max. output power 50 W
- Up to 89 % efficiency
- Power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

Interfaces:

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



For Pro Control see Page160 / For Eco Control see page 161



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

Dimmable
50 000Hrs

Length: 1195mm
Width: 595mm
Depth: 10mm

Product Description:

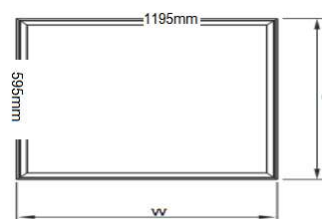
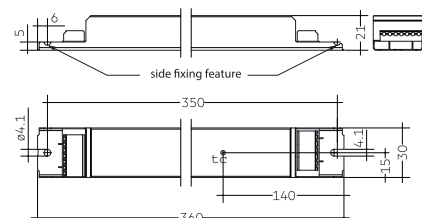
- Dimmable built-in constant current 2-channel LED Driver with DALI DT8
- Dimming range 3 – 100 %
- Suitable for luminaires of protection class I
- Adjustable output current between 600 and 1,800 mA for each channel via I-SELECT 2 plugs or DALI
- Max. output power 85 W
- Up to 90 % efficiency
- Power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

Interfaces:

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

Benefits:

- Application-oriented operating window for max. compatibility
- Best energy savings due to low stand-by losses



For Pro Control see Page160 / For Eco Control see page 161

DIM CONTROL COMPONENTS

Product Description:

- Wireless controllable with an Android / iOS smart device
- No need for an external gateway device
- Automatically forms a wireless communication network with up to 127 nodes
- Small form factor for luminaire installation
- Digital output: Standalone DALI (compatible)
- Easily implemented RGB and colour temperature controls
- Device firmware can be updated over-the-air
- 5-year guarantee

- Supply voltage: DC 9.5 – 22.5 V
- Max. input current when idle (approximately 3 DALI loads): 5 mA
- Max. DALI bus current: 250 mA
- Typ. power input on stand-by: < 0.1 W
- Radio transceiver operating frequencies: 2.4 – 2.483 GHz
- Max. output power radio transceiver: +4 dBm
- Operating temperature: -20°C +55 °C
- tc point: 65 °C
- Storage temperature -25°C +75 °C
- Dimensions: LxWxH 40.4 x 36.3 x 14.0 mm
- Type of protection: IP20



DALI POWER SUPPLY

Product Description:

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

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



WXX619 & WXX649 Basic Dim & Colour Tune Controller


Technical Parameters:

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


Linking and Unlinking:

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

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

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

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

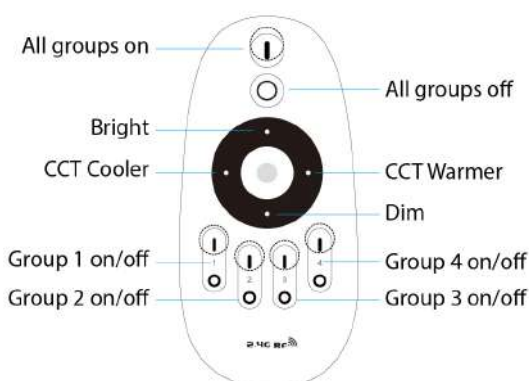
Press and hold the Group 1 key () on the remote and power on the light fitting at the same time, until the light fitting blinks four times. This will indicate that the unlinking operation is successful.

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

Note:

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



Key Function Description

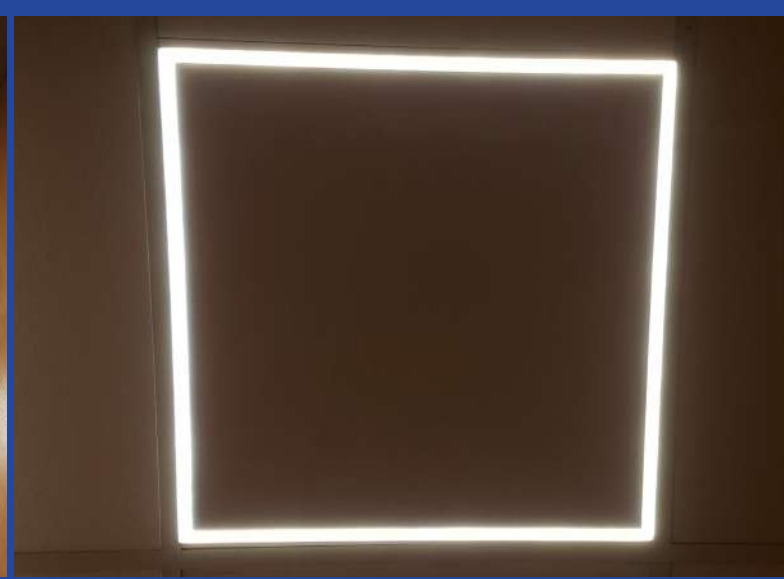


Group Control Application



Note:

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



WXX605 LED TRIM LIGHT - 40W

Length: 595mm
Width: 595mm
Depth: 12mm

Material: Aluminum
Colour: White Body
IP Rating: IP20
Lumen Output: 3900lm
Colour temp: 4000K
Ra: 80
Rated power: 40W
Input Voltage: AC 100-240V 50Hz
Recessed



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



KAT560 INDIRECT LED PANEL LIGHT - 28W

Body Material: UV stabilized Polycarbonate & Die-cast aluminium with integrated heatsink

Diffuser: Injection moulded makrolon

LED Chip: Tridonic strip with 72 LED's

Driver: Tridonic driver at 350ma

CRI: >80

Lumen Output: 3100 lm

Output Ratio: 100%

Efficiency: 109,60 lm/W

Wattage: 28W

CCT: 4000K

IP Rating: IP65

Power Factor: 0.9

Voltage: 210V - 240V

Dali Dimmable Option: Yes

Size: 600 x 600 x 80mm

Installation: Recessed



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



GTL520 LED LBR Ultra Thin Panel

Application

Offices, Stores, Hospitals, Schools, Lobbies, Supermarkets etc.
Recessed Mounting

Technical Parameter:

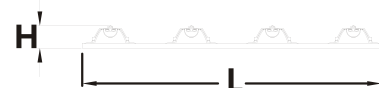
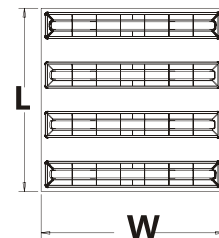
Voltage: 220-240V
Illuminant: SMD2835 LED
LED Quantity: 192
CRI: >80
Wattage: 38W
CCT: 4000K
Power Factor: 0.9
Luminous Flux: 3180Lm
Material: ABS Frame, Mirror Reflective Aluminium
Class: I
Length: 595mm
Width: 595mm
Height: 45mm

Features:

- 65% Energy Saving
- Instant on, no noise, no flickering
- Low power consumption
- No UV or IR radiation
- Easy to install

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

LED



IES File available on request

Energy Efficient Lighting Solutions

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

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

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

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

Protection: IP65 Water Resistant

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

Charging Time: 6hrs of direct sunlight/Day

Working Time: Auto adjustable (5 days+)

Colour CCT: 6000K

Housing Material: ABS+PC, anti-UV

Working Temp: -15C°- 50C°

Storage Temp: 0C°- 50C°

Warranty: 24 months (12 month warranty for battery)

Dimensions: 428.5*193.7*52.7mm

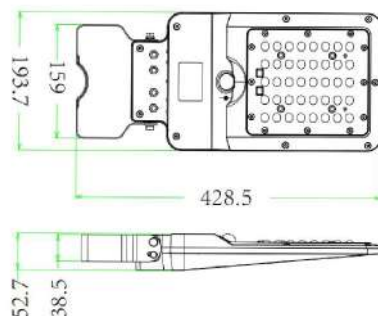
Installation Height: 3-5m

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

Protection: IP65 Water Resistant

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

Charging Time: 6hrs of direct sunlight/Day

Working Time: Auto adjustable (5 days+)

Colour CCT: 6000K

Warranty: 24 months (12 month warranty for battery)

Housing Material: ABS+PC, anti-UV

Working Temp: -15°C- 50°C

Storage Temp: 0°C- 50°C

Dimensions: 492.5*231.9*58mm

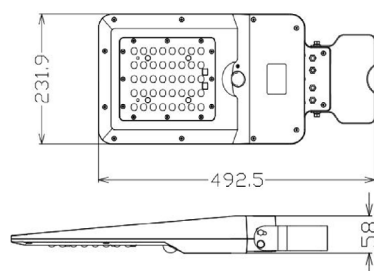
Installation Height: 3-5m

Accessories Included:

- Wall mounting bracket
- Lamp-post mounting bracket

Suitable for:

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





Multifunctional Solar LED Light - 40W

Cordless Solar Panel

Auto Light On/Off Motion sensor

Lumens: 4800Lm

Power: 40W

LED's: SMD2835*40pcs

LiFePO4 Battery: 32650/9.6V*12000mAh, replaceable

Solar Panel: Moly-crystalline silicon (21Wp)

Beam Angle: 140 x 70° - TPIII

Protection: IP65 Water Resistant

PIR Detection area:12M

Charging Time: 6hrs of direct sunlight/Day

Working Time: Auto adjustable (5 days+)

Colour CCT: 6000K

Warranty: 2 Years

Housing Material: ABS+PC, anti-UV

Dimensions: 621.6*289.7*73.6mm

Working Temp: -20~55°C

Storage Temp: -40~85°C



Accessories Included:

- Wall mounting bracket
- Lamp-post mounting bracket

Suitable for:

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



All in One Solar LED Light

NOL-160

Power: 60W SMD LED
LED's: 60Pcs
Lumens: 6600-7200Lm
Charge Time: 6-8Hrs of direct sunlight
Working Time: >48Hrs
Material: Aluminium Alloy
Installation Height: 3 - 15m

NOL-180

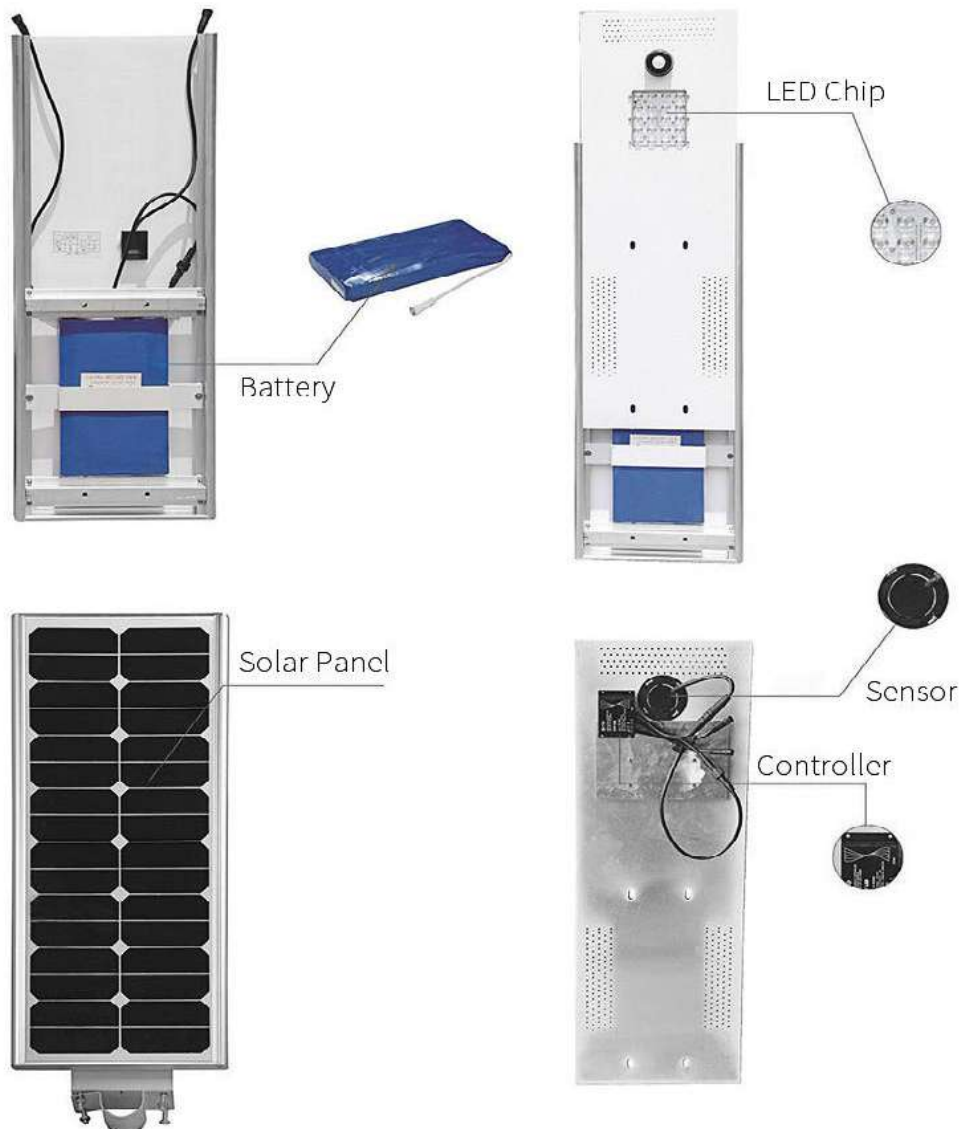
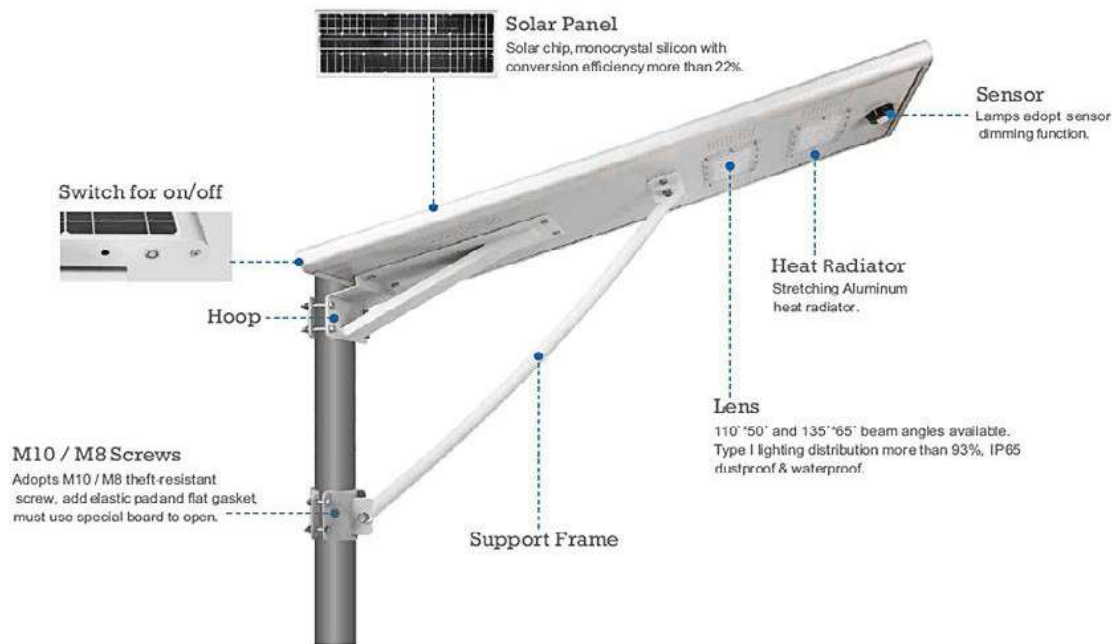
Power: 80W SMD LED
LED's: 80Pcs
Lumens: 8800-9200Lm
Charge Time: 6-8Hrs of direct sunlight
Working Time: >48Hrs
Material: Aluminium Alloy
Installation Height: 3 - 15m

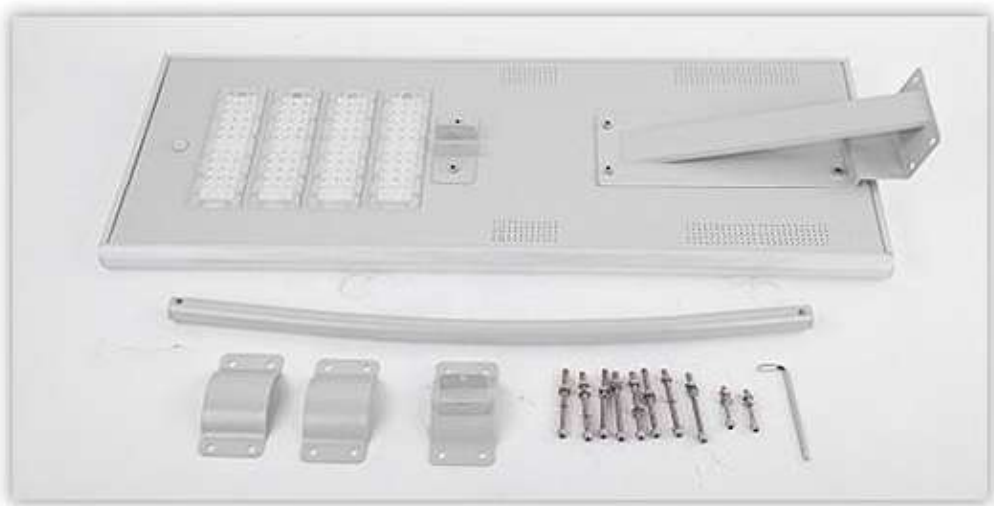
Functions:

- Automatic light control
- Time control
- Infrared human sensor

Battery Back-up time: 3 Days
Working Temp: -30° to +60°







LED SOLAR POLE TOP

BENEFITS:

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

FEATURES:

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



APPLICATION:

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



SMD LED



Mounting
Brackets



20W
25W



20W
25W



20W
25W



50W



50W

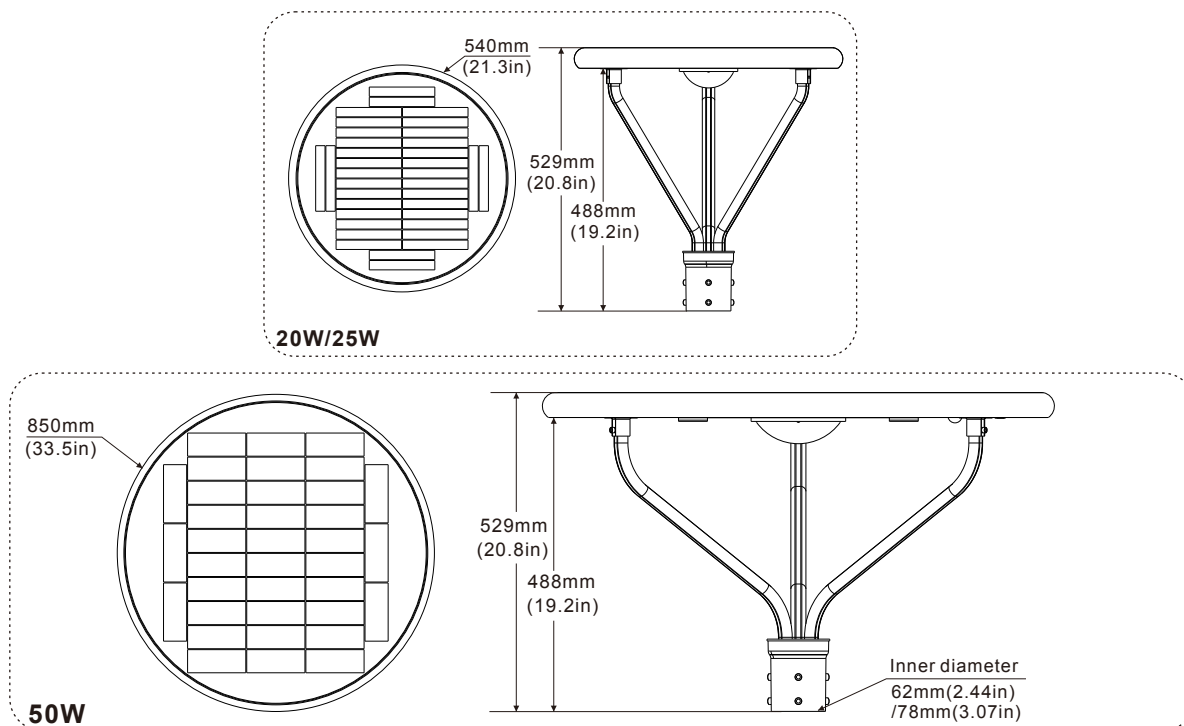


50W

Specifications

LED MAX Power	20W	25W	50W
Model	BLD20W	BLD25W	BLD50W
Solar panel Max power	18V/27W	18V/27W	18V/60W
Luminous Flux	3000lm	3750lm	7500lm
Luminous Efficacy	150lm/w	150lm/w	150lm/w
Mounting Height	3-5m	3-5m	8-9m
Space Bettwen 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(with enough strong shine)		
Solar Cell	High efficiency imported silicon solar cell		
Light Source	SMD LED		
Operation Temp.	-40 to +45℃		
CCT	2700K SW / 3000K WW / 4100K NW / 5000K DW / 5700K CW		
Life Span	50,000 hours		
IP	65		
Beam Angle	120°		
Warranty	3Years		
Other	Mains complementary solar energy is available,pls contact sales for this function price.		

Dimensional Drawing



LED SHOEBOX 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

SPECIFICATIONS:

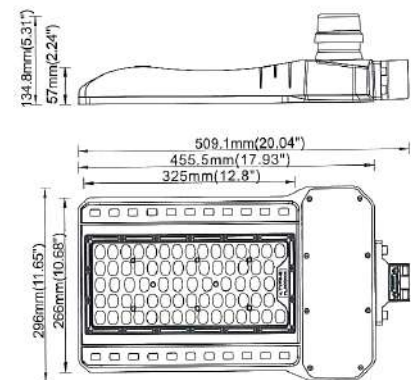
- ADC12 Die-cast aluminium alloy housing
- IK10 strong protection, good optical function
- Water Resistant: IP65
- Lifespan: 50 000Hrs
- Operating Temperature: -20-50°C
- Storage Temperature: -40-60°C

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

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

KEY ADVANTAGES

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

APPLICATIONS

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

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



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

Type: LED Street Lamp

Optical Compartment Protection: IP66

Control Gear Protection: IP66

Impact Resistance (Polycarbonate): IK08 (IK10)

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

Lamps: High Power 2-3W OSRAM LED

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

Housing Material: Coated LM6 Die-cast Aluminium

Weight: 3-15kg

Light engine: Metal Core PCB with PMMA Lenses

Standard Colour: RAL 7035 - Light Grey

Total Power Consumption : 9W to 295W

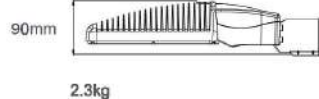
Temperature Range: -30°C to 45°C - 10% to 96% RH (no condensing)

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

* PF >0.95 Lagging

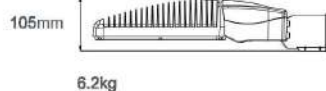
**Lumen depreciation not more than 20% in accordance with LM-80 – TM-21

SLX - S



9W - 54W

SLX - M



27W - 108W

SLX - L



54W - 194W

SLX - L - HD



107W - 295W

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

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

* Manufactured on request only. More economical options available.

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

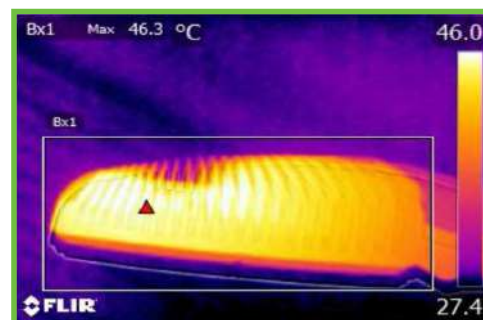
PRODUCT CODE: SLX | S | W | C | O



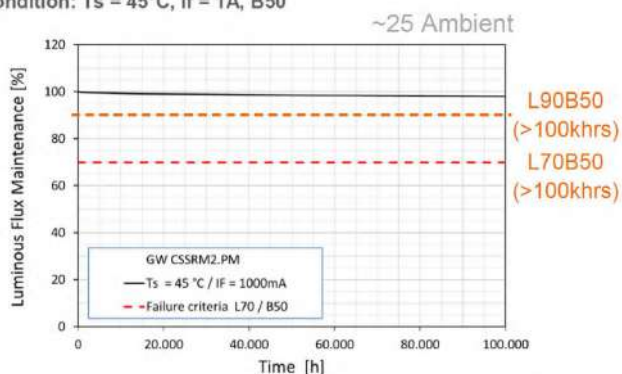
model / wattage	colour temperature	optics	additional options
select from table above	30 - 3000°K 40 - 4000°K 50 - 5000°K 57 - 5700°K	S1 - Standard Major Road S2 - S16 (see table below)	12V - 12V option 24V - 24V option DN - day/night included 20KV - 20kV protection IK10 - PC cover

lifespan details

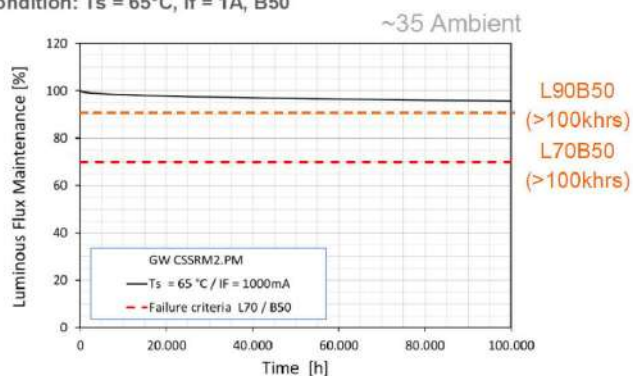
The lifespan calculations have been verified by the LED manufacture (OSRAM) in the product application. Designed to operate LED light sources of upto 295w in an ambient environment of upto 55 °C, without reducing the useful lifespan of 100 000 hours, at a lumen depreciation of not more than 20% (L80B50).



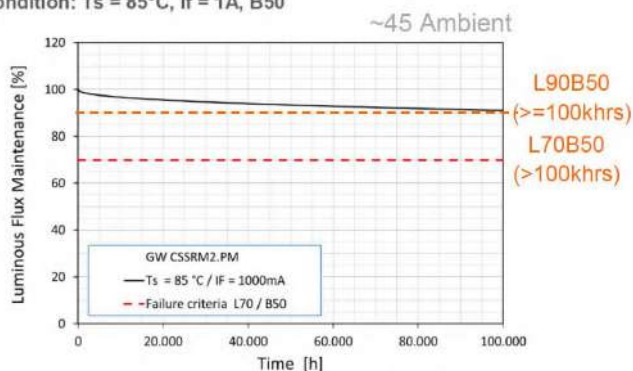
Condition: Ts = 45°C, If = 1A, B50



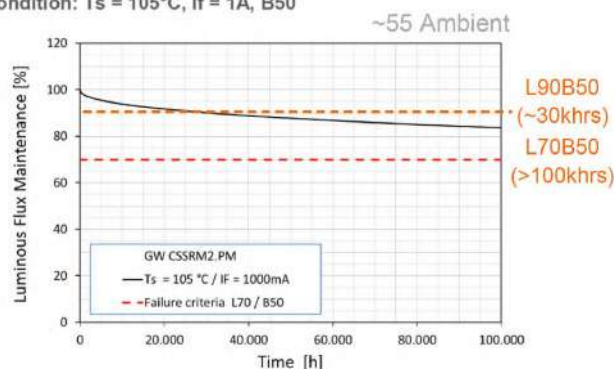
Condition: Ts = 65°C, If = 1A, B50



Condition: Ts = 85°C, If = 1A, B50



Condition: Ts = 105°C, If = 1A, B50



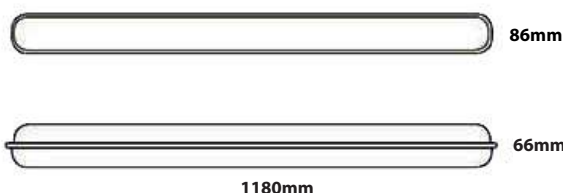


GTL511/1200/4000K

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

GTL511/1200/6500K

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



LED

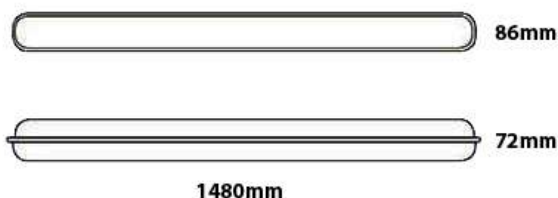


GTL512

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

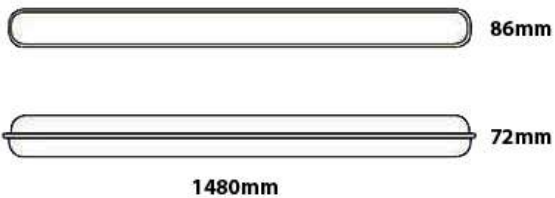
LED Corrosion Proof Fitting
 Voltage: 220V-240V, 50/60Hz
 Wattage: 48W
 Lumen: 4000Lm
Colour Temp: 3000K, 4000K & 6500K Adjustable
 IP Rating: IP65
 Lifespan: 30 000Hrs
 Size: 1480 x 72 x 86mm
 Protection Class II
 Working Temp: -20° to 40°C
 CRI: >80
 Body & Diffuser: PC





GTL513

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





GTL514 GTL514/04 - Black Body

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
- Color Temperature: 4000K
- IP65
- Class 1
- Stainless Steel fixing side clips

Wattage:	55W
LED:	SMD5630
LED quantity:	144
Lumen:	6400lm
Light Efficiency:	116lm/w
CRI:	>80
Length:	1500mm
Width:	96mm
Height:	80mm
Voltage:	220-240V ~ 50/60Hzs

LED



1500mm



Basic Accessories



GTL525 **30W Vapour Proof LED**

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

IP Rating: IP65
Impact Protection: IK08
Voltage: 220-240V
Rated Input Power: 30W
Power Output: 240mA
Driver Efficiency: 91%
System Power Factor: >0.9
THD: <25%
Colour Temperature: 4000K
Luminous Flux: 5400Lm
CRI: >80
Rated Luminaire efficacy: 150Lm/W
Lifespan: 50 000 hours
Switching cycles up to 50% failure B50: >25 000
Certifications: GS, CE-LVD, CE-EMC, CB
Operating Temperature: -20° to +40°C
Warranty: 5 Years



LED



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
THD: <25%
Colour Temperature: 4000K
Luminous Flux: 7200Lm
CRI: >80
Rated Luminaire efficacy: 150Lm/W
Lifespan: 50 000 hours
Switching cycles up to 50% failure B50: >20 000
Certifications: GS, CE-LVD, CE-EMC, CB
Operating Temperature: -20° to +40°C
Warranty: 5 Years



LED

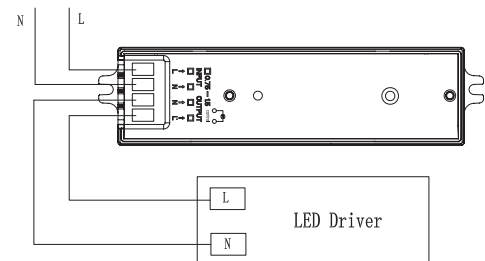
HD02S-6 1

Rod antenna, DIP switch

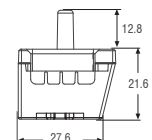
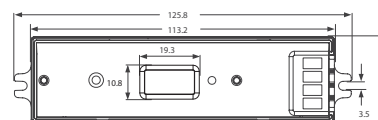


HD02S-6 1 DIP switches on front

Microwave Sensor Code: GTL092



Wiring diagram



Unit:mm



On/off control



Daylight sensor



Detection area

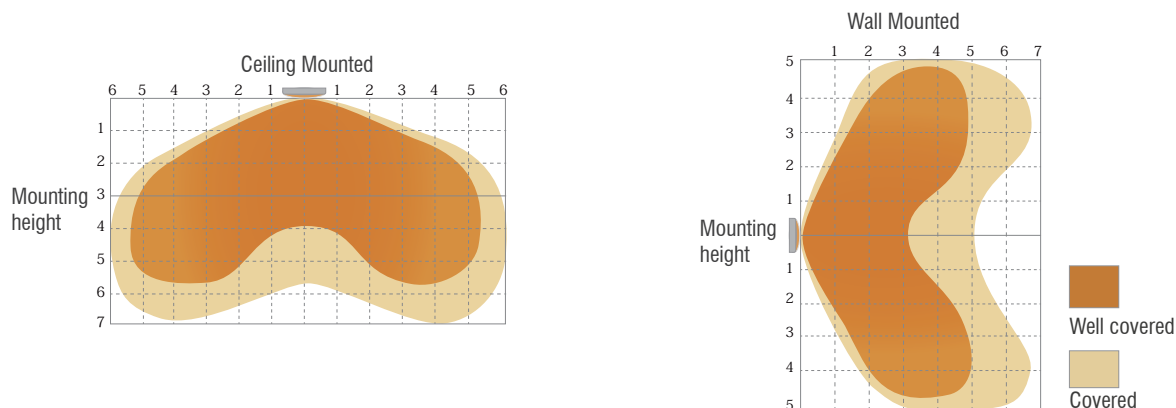


Hold time

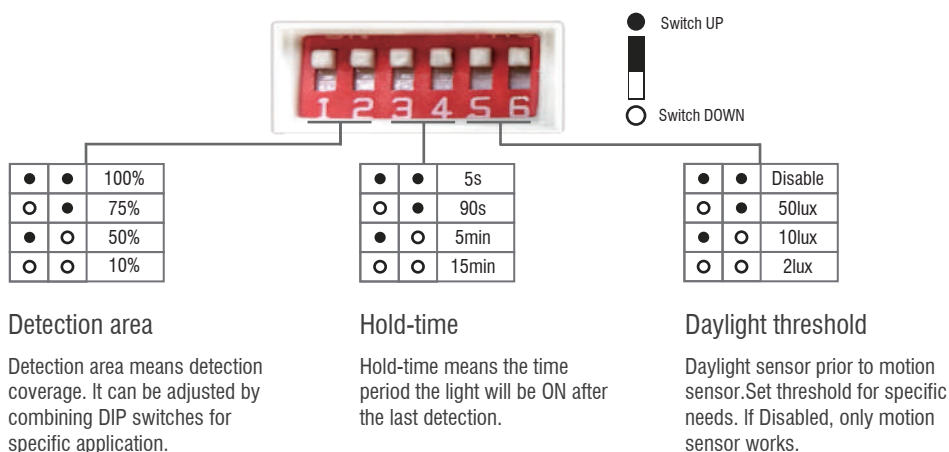
01 Technical data

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

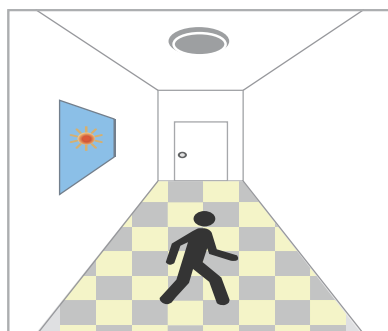
02 Detection coverage



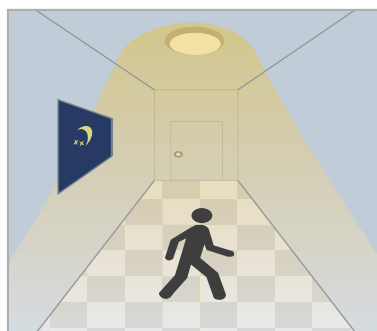
03 Settings



04 Application Function Demo-On/off control



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



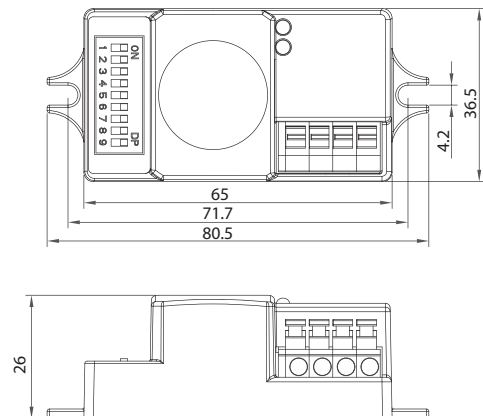
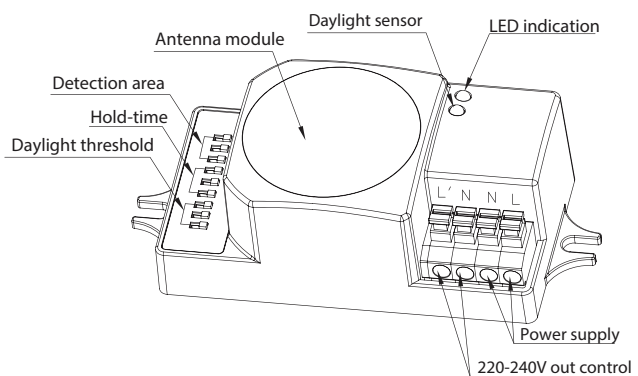
With insufficient daylight, when motion detected, light ON.



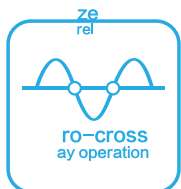
After the last detection and the present hold time elapsed, light OFF.

Super-compact Version On/off Control

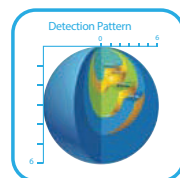
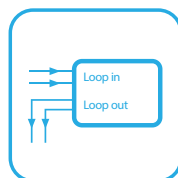
Model: HC005S



The smallest HF motion sensor on the planet, worldwide patented.



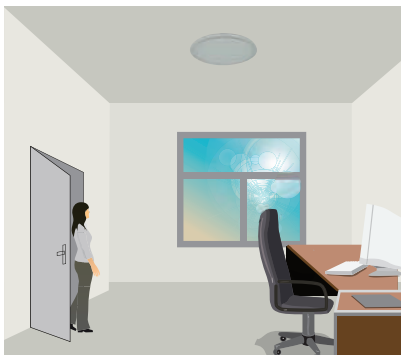
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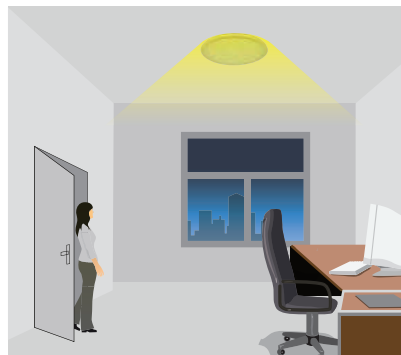
Functions and Options

On-off Control

This sensor is a motion switch, which turns on the light on detection of people movement, and turns on after a pre-selected hold-time when there are no people around. A daylight sensor is also built-in to prevent light switching on when there is sufficient natural light.



With sufficient natural light, the light does not switch on when presence is detected.

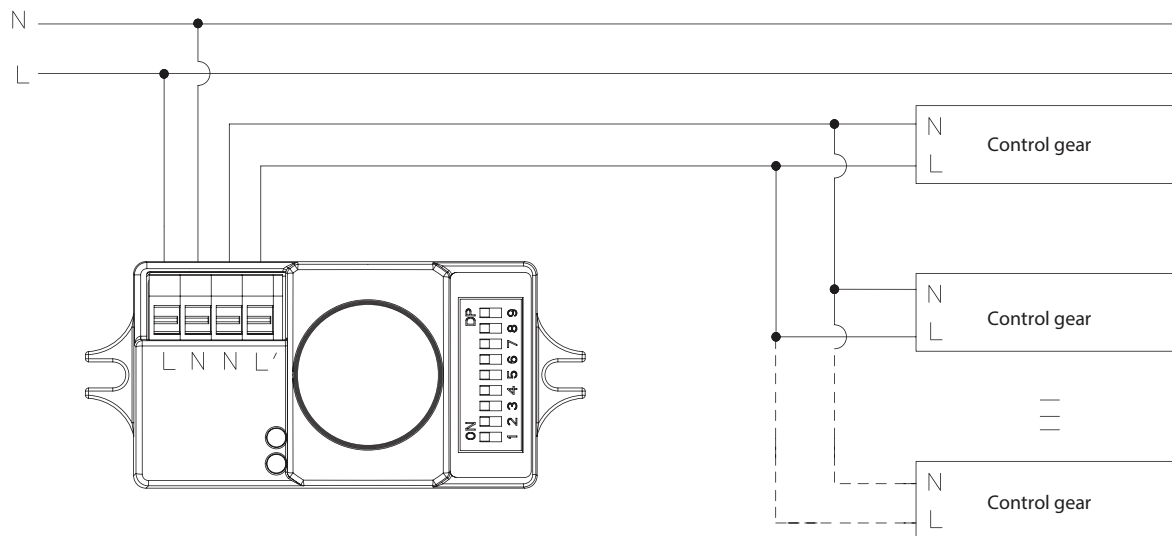


With sufficient natural light, the sensor automatically switches on the light when a person enters the room.



The sensor automatically switches off the light after the hold-time when there is no motion detected.

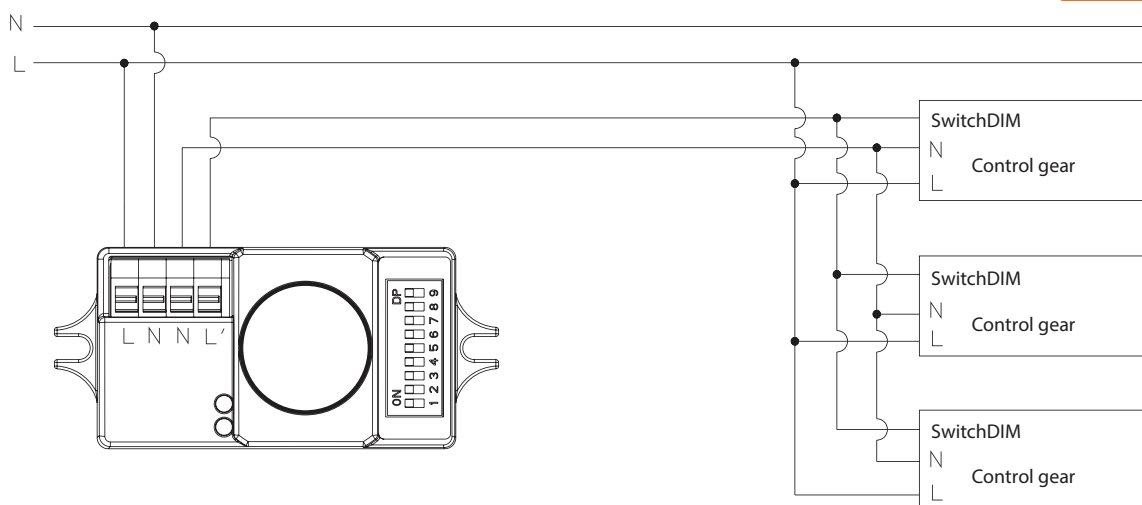
Wiring Diagram



2 Tri-level dimming control

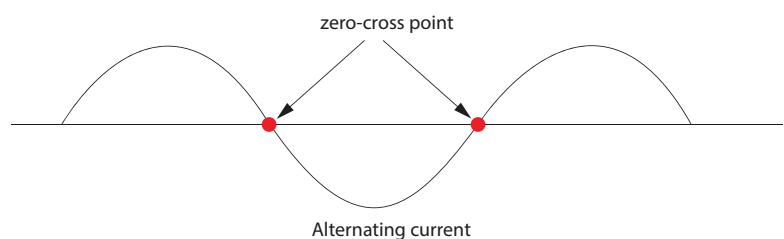
With Tridonic switchDIM ballast / driver (Excel ballast/driver, corridor function), this sensor can also achieve tri-level dimming control.

Wiring Diagram



3 Zero-cross relay operation

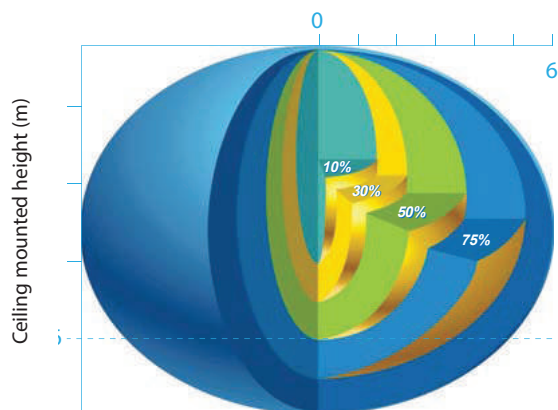
Designed in the software, sensor switches on/o the load right at the zero-cross point, to ensure the in-rush current is minimised, enabling the maximum lifetime of the relay.



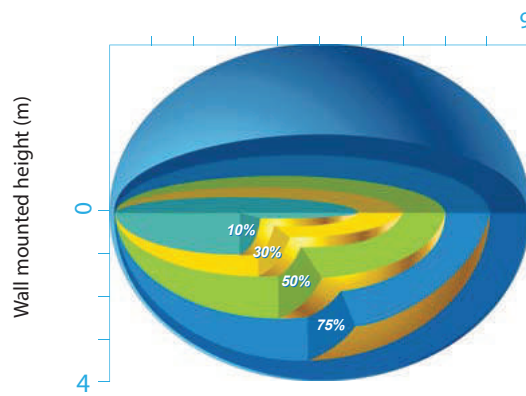
4 Loop-in and loop-out terminal

Double L N terminal makes it easy for wire loop-in and loop-out, and saves the cost of terminal block and assembly time.

Detection Pattern



Ceiling mounted detection pattern (m)



Wall mounted detection pattern (m)

Settings

1 Detection area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely for each specific application.

	1	2	3	
I	●	●	●	100%
II	○	●	●	75%
III	○	●	○	50%
IV	○	○	●	30%
V	○	○	○	10%



- I – 100%
- II – 75%
- III – 50%
- IV – 30%
- V – 10%

2 Hold-time

Hold-time means the time period you would like to keep the lamp on 100% after the person has left the detection area.

	1	2	3	
I	●	●	●	5s
II	●	○	●	30s
III	●	○	○	1min
IV	○	●	●	5min
V	○	●	○	10min
VI	○	○	●	20min
VII	○	○	○	30min



- I – 5s
- II – 30s
- III – 1min
- IV – 5min
- V – 10min
- VI – 20min
- VII – 30min

3 Daylight sensor

The daylight threshold can be set on DIP switches, to fit for particular application.

“Daylight”: The lamp works always, even during daylight.

“Twilight”: The lamp works only in twilight.

“Darkness”: The lamp works only in darkness.

	1	2	3	
I	●	●	●	Disable
II	○	●	●	50Lux
III	○	●	○	20Lux
IV	○	○	●	5Lux
V	○	○	○	2Lux



- I – Disable
- II – 50 Lux
- III – 20 Lux
- IV – 5 Lux
- V – 2 Lux

Technical Data

Operating voltage	220-240VAC
Switched power	Max.400W (capacitive) Max.800W(resistive)
Stand-by power	<0.5W
Warming-up time	20s
Detection area	10/30/50/75/100%, can be customized
Hold-time	5S/30S/1min/5min/10min/20min/30min, can be customized
Daylight threshold	2~50Lux daylight/twilight/darkness, can be customized
Microwave frequency	5.8GHz+/-75MHz
Microwave power	<0.2mW
Detection range	Max. (ØxH): 12m x 6m
Detection angle	30 °~150 °
Mounting height	Max.6m
Operating temperature	-35 °C ~ +70 °C
IP rating	IP20 IP65 (mounted in Hytronik special box)
certificate	Semko, CB, EMC, CE, R&TTE, SAA



GTL504

LED Corrosion Proof Fitting

IP65 Water Resistant

Base: ABS with PC cover and PC clips

T8 LED 4Ft (18W 1800 lumen lamp included)

NB: Lamp Replaceable - Only use LED Lamps

Voltage: AC220/240V – 50/60 Hz

Colour Temp: 4000K

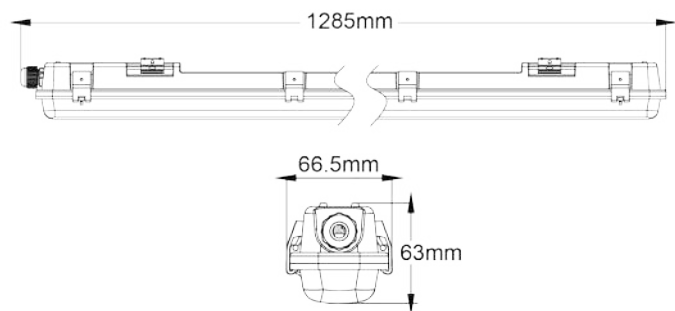
Power factor: > 0.5 & CRI: >80 - for lamp only

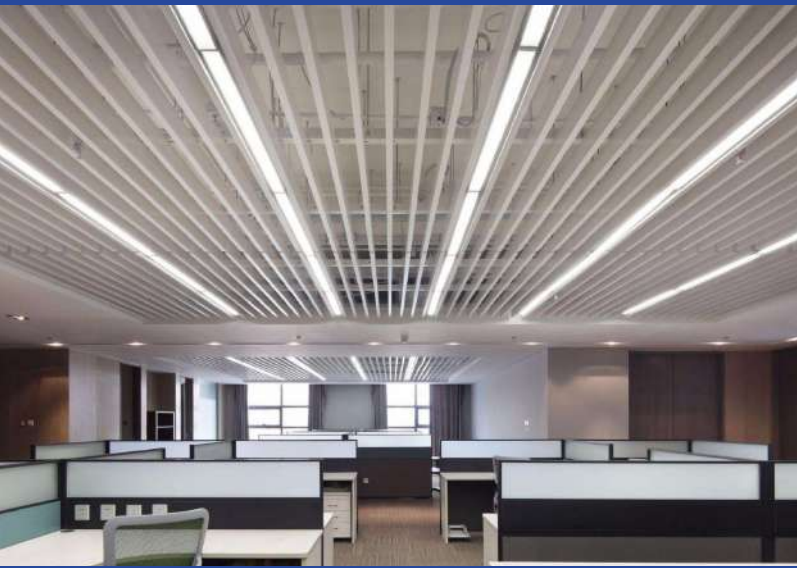
Lifespan: 30 000Hrs

Length: 1285mm

Width: 66.5mm

Height: 63mm





GTL505

FEATURES:

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

DIMENSIONS:

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

GTL506

FEATURES:

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

DIMENSIONS:

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

GTL507

FEATURES:

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

DIMENSIONS:

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





GTL509 LED Slimline Batten Fitting

FEATURES:

- Protection Class I
- IP20
- Usage: Indoor
- Body: Aluminium
- Working Temperature: -20~40°C
- Power Factor: >0.9
- Lifespan: 30 000Hrs
- Input Voltage: 220-240V ~ 50/60Hz
- Wattage: 16W LED
- Lumen: 1400Lm
- Colour Temperature: 4000K
- Beam Angle: 105°

DIMENSIONS:

- Length: 600mm
- Width: 74mm
- Height: 26mm



GTL510 LED Slimline Batten Fitting

FEATURES:

- Protection Class I
- IP20
- Usage: Indoor
- Body: Aluminium
- Working Temperature: -20~40°C
- Power Factor: >0.9
- Lifespan: 30 000Hrs
- Input Voltage: 220-240V ~ 50/60Hz
- Wattage: 32W LED
- Lumen: 2800Lm
- Colour Temperature: 4000K
- Beam Angle: 105°

DIMENSIONS:

- Length: 1200mm
- Width: 74mm
- Height: 26mm



PAAX2148

LED Metal Fitting with Perspex Cover
16W LED (Included)
1 x LED Driver (Included)
4000K
1100 Lumen
Length: 692mm
Width: 163mm
Height: 52mm
White

LED



PAAX2147

LED Metal Fitting with Perspex Cover
32W LED (Included)
1 x LED Driver (Included)
4000K
2240 Lumen
Length: 1291mm
Width: 163mm
Height: 52mm
White

LED



PAAX5951

LED Metal Fitting with Perspex Cover
16W LED (Included)
1 x LED Driver (Included)
4000K
1500 Lumen
Length: 600mm
Width: 131mm
Height: 46mm
White

LED



PAAX5952

LED Metal Fitting with Perspex Cover
32W LED (Included)
1 x LED Driver (Included)
4000K
3000 Lumen
Length: 1200mm
Width: 131mm
Height: 46mm
White

LED



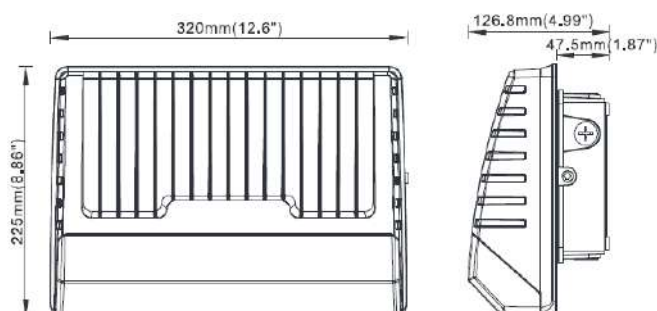
WALL PACK LIGHT BR/WP/80W/4000K

FEATURES

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

BENEFITS

- ADC12 Die-cast aluminium alloy housing
- IK10 strong protection, good optical function
- Water resistant: IP65
- Lifespan: 50 000Hrs
- Operating Temperature: -20-50°C
- Storage Temperature: -40-60°C
- Power: 80W
- Lumen: 115Lm/w
- CCT: 4000K
- CRI: >80
- Weight: 3.67kg
- Beam: 120°
- Width: 320mm
- Height: 225mm
- Depth: 126.8mm



ULTRA LOW GLARE HEATER TEC002 - 2000W

FEATURES:

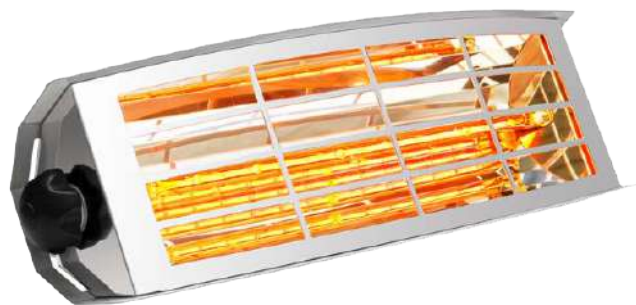
- Grey mild steel Infrared radiant heater
- Ultra Low Glare lamp – 60% Less glare
- Warms people and the environment. Delivers sunshine indoors
- Modern Design
- 80% more economical than gas
- No Gas burning smell
- Adjustable lever
- 5000-8000 hour lamp life
- 2000W lamp
- Aesthetically pleasing – Suitable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

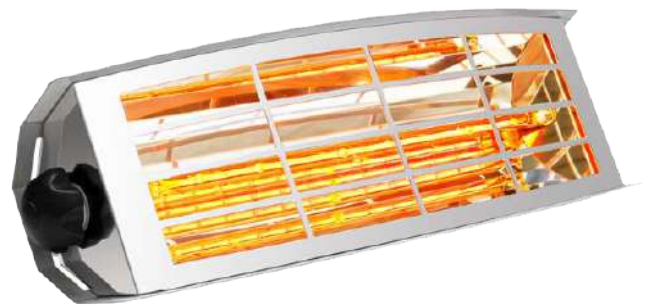
- Grey mild steel Infrared radiant heater
- Ultra Low Glare lamp – 60% Less glare
- Warms people and the environment. Delivers sunshine indoors
- Modern Design
- 80% more economical than gas
- No Gas burning smell
- Adjustable lever
- 5000-8000 hour lamp life
- 1500W lamp
- Aesthetically pleasing – Suitable 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
- Uninsulated 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
- Uninsulated 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:

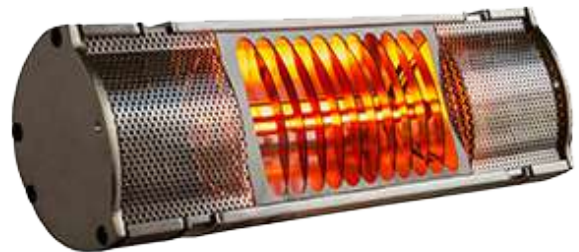
- Insulated areas: 6m²
- Uninsulated areas: 4m²

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





35W Single Output Switching Power Supply

MW-LRS-35W series



**12V & 24V
OPTIONS**

• Features

- Universal AC input / Full range
- Withstand 300VAC surge input for 5 second
- No load power consumption<0.2W
- Miniature size and 1U low profile
- High operating temperature up to 70°C
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1, -2-16 for household appliances
- Operating altitude up to 5000 meters (Note.8)
- Withstand 5G vibration test
- High efficiency, long life and high reliability
- LED indicator for power on
- 100% full load burn-in test
- 3 years warranty

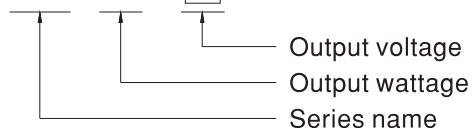
• Description

LRS-35 series is a 35W single-output enclosed type power supply with 30mm of low profile design. Adopting the full range 85~264VAC input, the entire series provides an output voltage line of 5V, 12V, 15V, 24V, 36V and 48V.

In addition to the high efficiency up to 89%, the design of metallic mesh case enhances the heat dissipation of LRS-35 that the whole series operates from -30°C through 70°C under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.2W), it allows the end system to easily meet the worldwide energy requirement. LRS-35 has the complete protection functions and 5G anti-vibration capability; it is complied with the international safety regulations such as TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943. LRS-35 series serves as a high price-to-performance power supply solution for various industrial applications.

• Model Encoding

LRS - 35 - 5



• Applications

- Industrial automation machinery
- Industrial control system
- Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Household appliances



All drivers come with terminal covers on the primary side

SPECIFICATION

MODEL		MW-LRS-35-12	MW-LRS-35-24				
OUTPUT	DC VOLTAGE	12V	24V				
	RATED CURRENT	3A	1.5A				
	CURRENT RANGE	0 ~ 3A	0 ~ 1.5A				
	RATED POWER	36W	36W				
	RIPPLE & NOISE (max.) <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

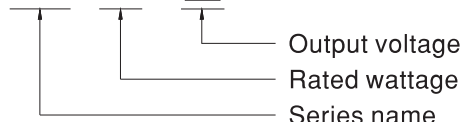
• Description

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

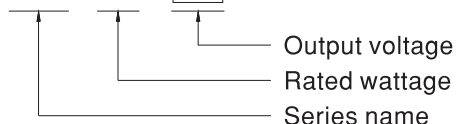
• Description

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-150Wseries



**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/EN61558-1, 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

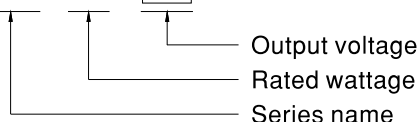
• Description

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).					

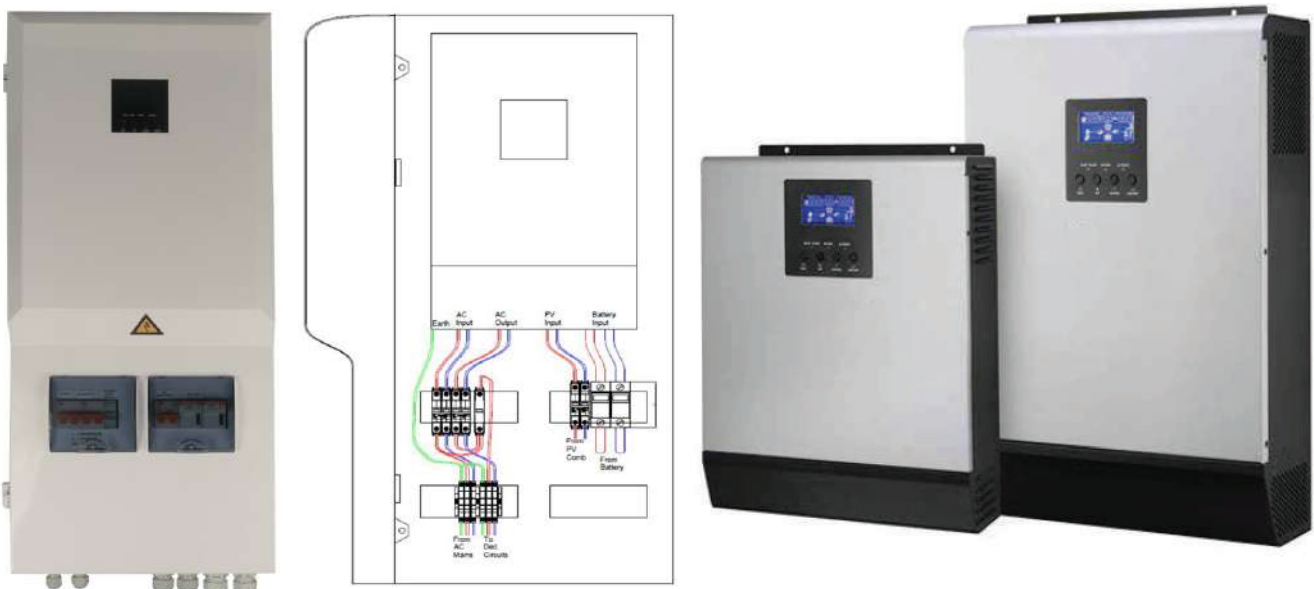


Axpert MKS Off Grid Inverter

- Pure sine wave inverter
- Output power factor 1 (only 0.8 for 3KP/5KP models)
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD Setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Battery equalisation for optimised battery performance and lifecycle
- Cold start function
- Parallel operation with up to 9 units only available for Axpert MKS 3KP/4KVA/5KVA/5KP

PREWIRED BACKBOARD INVERTER

Prewired backboard complete with breakers, fuses, transfer switch and 5KW inverter.



Axpert MKS Off-Grid Inverter Selection Guide

Model	Axpert MKS 3K-24 Plus	Axpert MKS 5K
Rated power	3000VA/3000W	5000VA/5000W
Parallel capability	No	Yes,9 units
Input		
Voltage	230 VAC	
Selectable voltage range	170 - 280 VAC (For personal computers) ; 90 - 280 VAC (For home appliances)	
Frequency range	50 Hz/60 Hz (Auto sensing)	
Output		
AC voltage regulation (Batt.Mode)	230VAC ± 5%	
Surge power	6000VA	10000VA
Efficiency (peak)	90% - 93%	93%
Transfer time	10 ms (For personal computers) ; 20 ms (For home appliances)	
Waveform	Pure sine wave	
Battery		
Battery voltage	24 VDC	48 VDC
Floating charge voltage	27 VDC	54 VDC Max: 58VDC (optional 64VDC, please check with sales)
Overcharge protection	31 VDC	60 VDC (optional 66VDC, please check with sales)
Solar Charger & AC Charger		
Maximum PV array power	1500W	4000W
MPPT range @ operating voltage	60~115 VDC	60 VDC~115 VDC
Maximum PV array open circuit voltage	145VDC	145 VDC
Maximum solar charge current	60A	80A
Maximum AC charge current	20A or 30A (Selectable)	60A
Maximum charge current	90A	140A
Maximum efficiency	98%	-
Standby power consumption	2W	-
Physical		
Dimension, d x w x h (mm)	140 x 295 x 479	120 x 295 x 468
Net weight (kgs)	11.5	13.5
Environment		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating temperature	0°C - 55°C	
Storage temperature	-15°C - 60°C	

* Typical transfer time for parallel operation is 30ms.
Product specifications are subject to change without further notice.

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.



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

BATTERY FEATURES

- Stable discharge platform
- Excellent Safety
- Long lifecycle
- High temperature performance
- High energy density
- High charge and discharge rate
- High efficiency

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.

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

OPTIONAL EXTRA

Battery Logger for remote client support in system function and optimisation.





EFERGY 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.



THE PROVISIONS WHICH ARE CONTAINED HEREIN BELOW ARE SUBJECT TO ANY APPLICABLE LAWS FROM TIME TO TIME:

1. Nothing which is contained in this Catalogue may be construed as an offer to supply or sell any products, or as an inducement or offer to any person to enter into a contract with Eagle Lighting (Pty) Ltd and / or its subsidiaries (collectively and individually referred to hereinafter as “the Company”) in respect of the supply of any products.

2. All the product images shown in this Catalogue (including but not limited to the product features and colours) are for illustration purposes only and may differ from the actual products.

3. Despite every reasonable effort having been made to ensure the accuracy of the technical information contained in this Catalogue:

3.1. THE COMPANY MAKES NO WARRANTY OR REPRESENTATION WHATSOEVER AS TO THE SUITABILITY OF THE PRODUCT FOR ANY PARTICULAR PURPOSE. THE ONUS IS ENTIRELY ON THE PURCHASER OF THE PRODUCT TO ENSURE THAT THE PRODUCT IS SUITABLE FOR ITS INTENDED PURPOSE;

3.2. DUE TO MATERIAL AND MANUFACTURING TOLERANCES, TEST RESULTS AND / OR LENGTH OF PRODUCT CAN VARY PER INDIVIDUAL PRODUCT. ACCORDINGLY, ALL TECHNICAL DATA SHOWN IN THIS CATALOGUE IS GIVEN FOR GUIDANCE PURPOSES ONLY. THE COMPANY DOES NOT WARRANT THAT THE PRODUCT WILL MATCH THE TEST RESULTS EXACTLY AND THE COMPANY ACCEPTS NO LIABILITY SHOULD THE PRODUCT NOT MATCH THE STATED FIGURES.

4. THE COMPANY ACCEPTS NO RESPONSIBILITY FOR ANY LOSS AND / OR DAMAGE OF ANY NATURE WHATSOEVER ARISING FROM THE USE AND / OR RELIANCE ON INFORMATION CONTAINED IN THIS CATALOGUE.

5. Due to continuous product development and improvements, specifications set out in this Catalogue are subject to change without notice.

6. The Company reserves its right to modify and / or discontinue any products depicted in this Catalogue without notice.

7. The products depicted in this Catalogue are, to the best of our knowledge, free of defects at the time of shipment. THE COMPANY’S LIABILITY IN RESPECT OF ANY CLAIM BASED ON DEFECTIVE PRODUCTS SHALL BE LIMITED TO REPAIRING OR REPLACING SUCH DEFECTIVE PRODUCTS, AT THE DISCRETION OF THE COMPANY, DURING ANY APPLICABLE WARRANTY PERIOD, PROVIDED THAT SUCH DEFECTIVE PRODUCTS ARE RETURNED TO THE COMPANY, IN THEIR ORIGINAL STATE AND AT THE PURCHASER’S COST, WITHIN THE APPLICABLE WARRANTY PERIOD. IN CIRCUMSTANCES WHERE THE PRODUCTS ARE NOT MANUFACTURED BY THE COMPANY, THE COMPANY’S LIABILITY UNDER THIS CLAUSE SHALL IN NO CIRCUMSTANCES EXTEND BEYOND ANY CORRESPONDING LIABILITY OF THE MANUFACTURER OR SUPPLIER OF SUCH PRODUCTS TO THE COMPANY. LIABILITY IS EXPRESSLY DISCLAIMED FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGE.

8. Qualified technicians and /or electricians must install all products which require installation by such qualified persons, failing which the Company cannot be held liable for any liability of any nature whatsoever arising from the purchase of the products.

9. TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE COMPANY (INCLUDING ITS SUBSIDIARIES AND RELATED COMPANIES, DISTRIBUTORS, SUPPLIERS AND WHOLESALERS AND EACH OF THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, AGENTS, DISTRIBUTORS AND WHOLESALERS) DOES NOT ASSUME ANY LIABILITY FOR AND THE PURCHASER AGREES TO HOLD THE COMPANY HARMLESS AGAINST ANY LOSS, DAMAGE OR COSTS OF ANY NATURE WHATSOEVER (WHETHER DIRECT, INDIRECT OR CONSEQUENTIAL), ARISING FROM A FAILURE TO USE THE PRODUCTS DEPICTED IN THIS CATALOGUE STRICTLY IN ACCORDANCE WITH THE INSTRUCTIONS AND WARNINGS CONTAINED ON THE PRODUCT PACKAGING (INCLUDING THE PACKAGE INSERT), WHETHER SUCH LOSS IS TO THE PURCHASER WHO PURCHASED ANY PRODUCT DEPICTED IN THIS CATALOGUE OR ANY OTHER THIRD PARTY WHICH MAKES USE OF OR BENEFITS FROM THE USE OF SUCH PRODUCT.

10. The Company cannot be held liable for any misapplication of the products, including but not limited to:

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

11. The Company makes no representation as to the availability of any product depicted in this Catalogue.

12. The Company accepts no responsibility and cannot be held liable for any misprints, inaccuracies and / or any errors or omissions in this Catalogue.

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