EAGLE LIGHTING

Commercial Catalogue

2019

EAGLE LIGHTING

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

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

Please visit our Superstore showrooms throughout the Western Cape to bring the magic of lighting to your homes. At our stores you will find knowledgeable friendly staff available to assist you. Further light fittings can be viewed on our web site: **www.eaglelighting.co.za**

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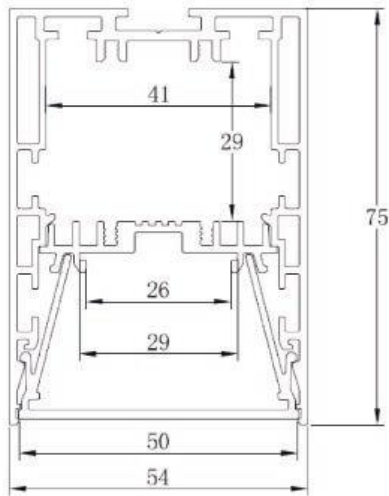
ONE STOP SUPERSTORES FOR ALL YOUR REQUIREMENTS:

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

INDEX

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

2

MAN500
Aluminium Profile

Material: AL6063+PC/PMMA
Surface: Anodized/Painting
Lighting Source Width: 32mm
Length: 4m/max
Installation: Office, Boardroom, Supermarket, home etc.

Width: 35,2mm (56,2mm with Lip)
Height: 34,9mm

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/Painting
Lighting Source Width: 12mm
Length: 4m/max
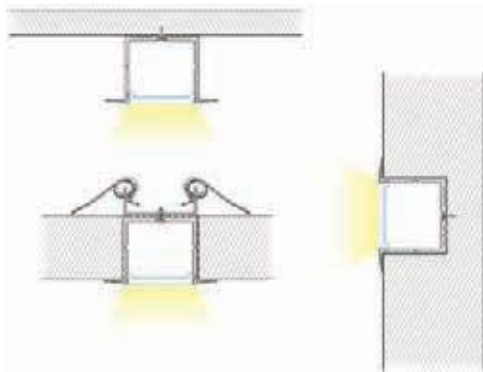Installation: Office, Boardroom, Supermarket, home etc.

Width: 17,1mm (23,1mm with Lip)
Height: 8,8mm

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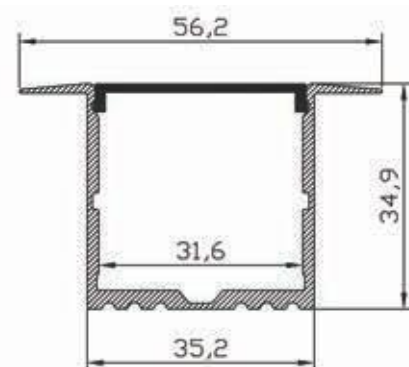
Installations:

Accessories:

CE RoHS

| Cover | End Cap | Aluminum Profile | Mounting Clip (PC) |

23,1
8,8
11,7
17,1

4

MAN506
Aluminium Profile

Material: AL6063+PC/PMMA
Surface: Anodized/Painting
Lighting Source Width: 10mm
Length: 4m/max
Installation: Wardrobe, Bookcase, Bars, Counter, Cabinets etc.

Width: 16mm
Height: 16mm

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

Accessories:

| Cover | Connector 3 | Connector 2 | Connector 1 |

| End Cap | Aluminum Profile | Mounting Clip (metal) | Mounting Clip (PC) |

Installations:
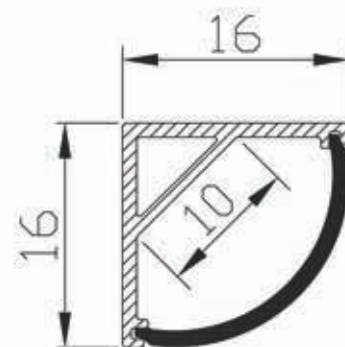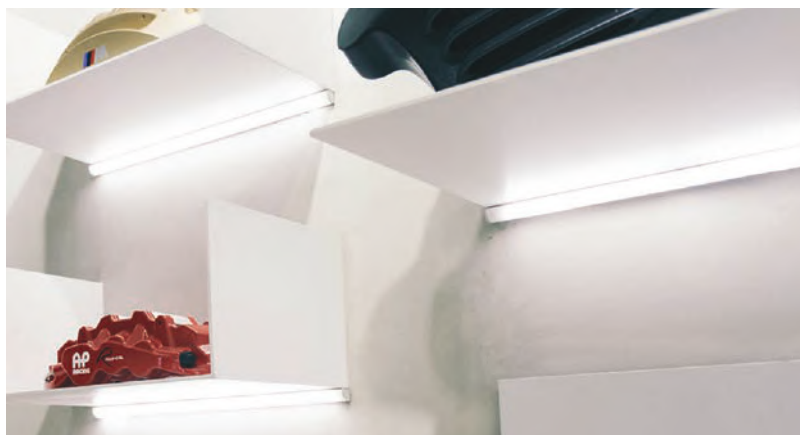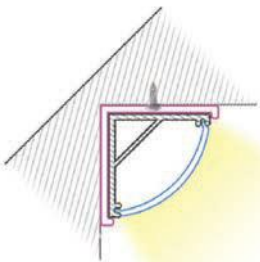
MAN507
Aluminium Profile

Material: AL6063+PC/PMMA
Surface: Anodized/Painting
Lighting Source Width: 12mm
Length: 4m/max
Installation: Wardrobe, Bookcase, Bars, Counter, Cabinets etc.

Width: 16mm
Height: 16mm

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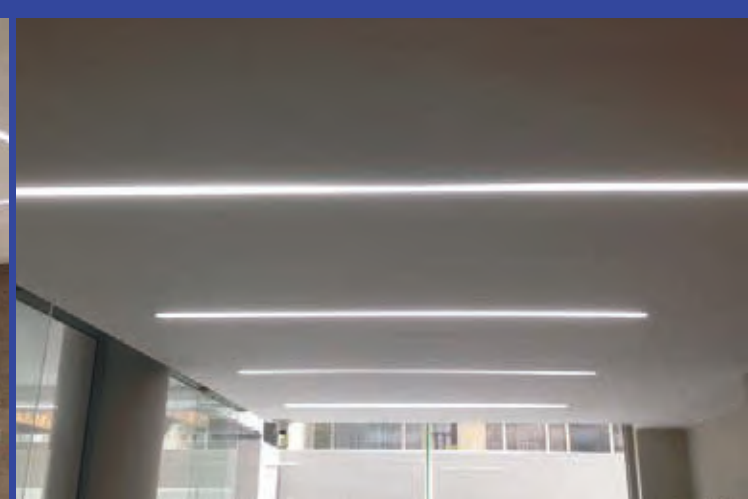
Installations:

Accessories:

Cover	Connector"+"	Connector"T"	Connector"L"
End Cap	Mounting Clip (metal)	Mounting Clip (PC)	Connector"I"

9

11,7

17
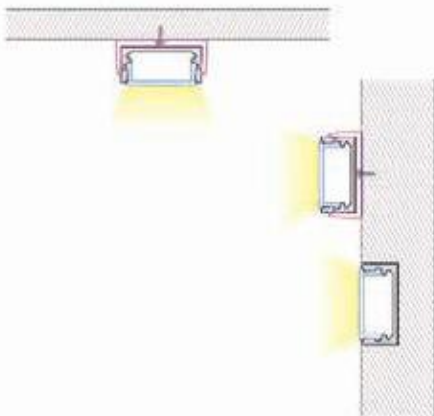
MAN520
Aluminium Profile

Material: AL6063+PC
Surface: Anodized/Painting
Lighting Source Width: 40mm
Length: 4m/max
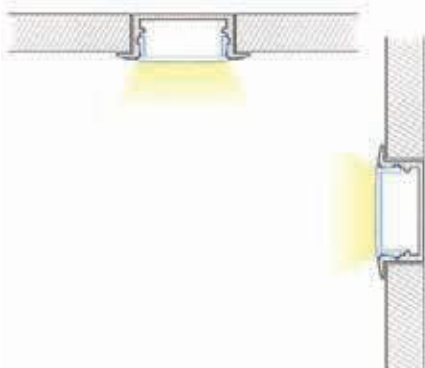Installation: Office, Boardroom, Supermarket, home etc.

Width: 50mm
Height: 32,2mm

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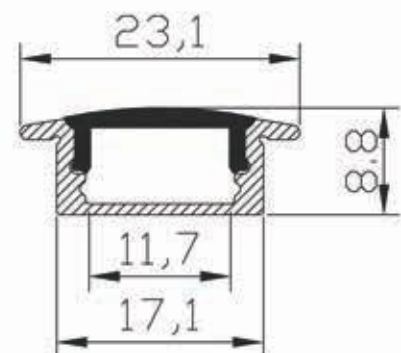
Installations:

Accessories:
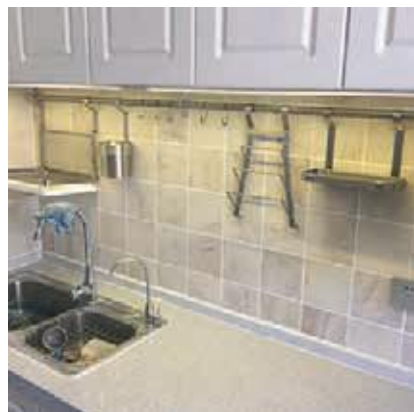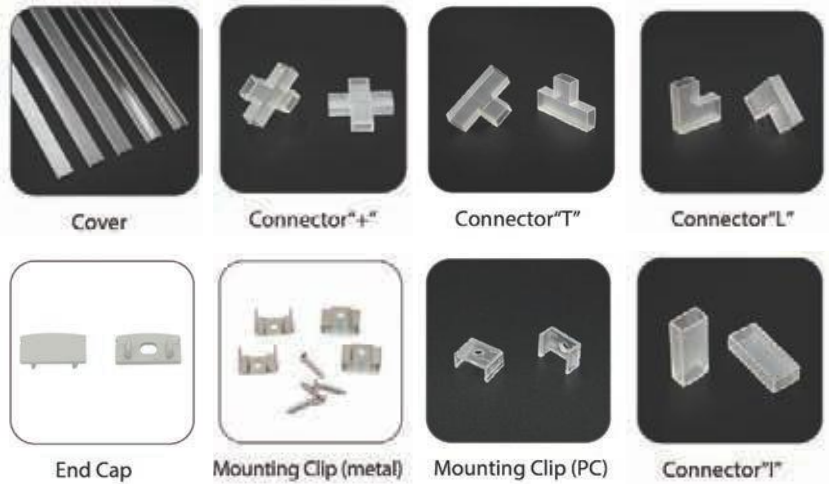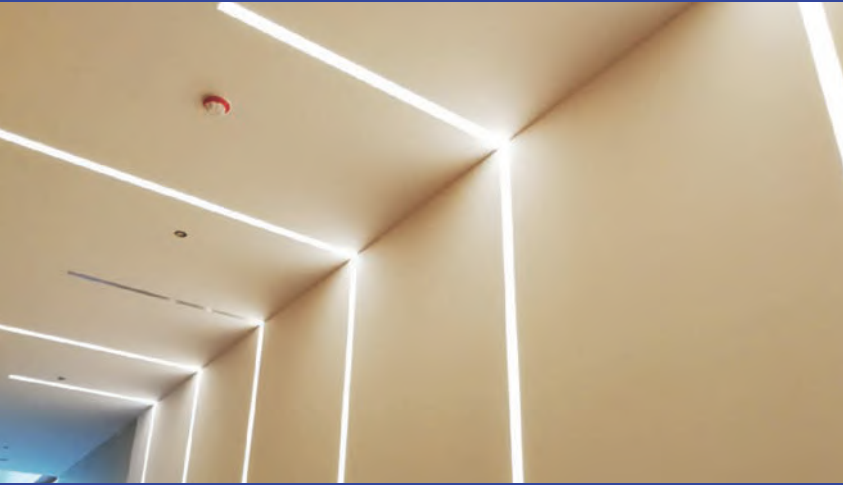
Cover	Connector	Suspended Rope	End Cap

MAN520

Aluminium Profile

Material: AL6063+PC
Surface: Anodized/Painting
Lighting Source Width: 40mm
Length: 4m/max
Installation: Office, Boardroom, Supermarket, home etc.

Width: 50mm
Height: 32,2mm

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

Installations:

Accessories:

Cover

Connector

Suspended Rope

End Cap

8

23

25

63
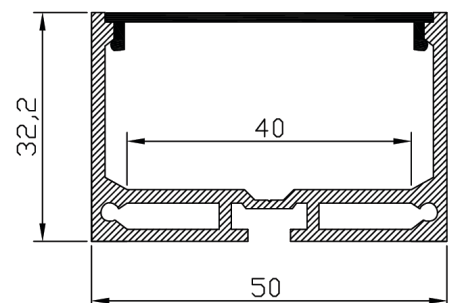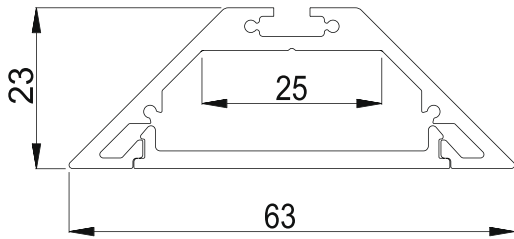
MAN525/ALU
MAN525/04 Black

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
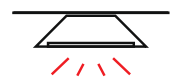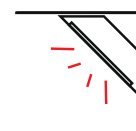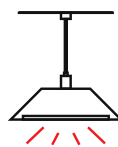
Installation Instructions:
• Tape light to be fitted into profile by a competent person only.
• Please ensure profile is cleaned from residue, metal fillings or dust before applying the LED tape light.
• Protective clear film to be removed from aluminium body & lens cover.
• LED tape to be applied firmly 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.
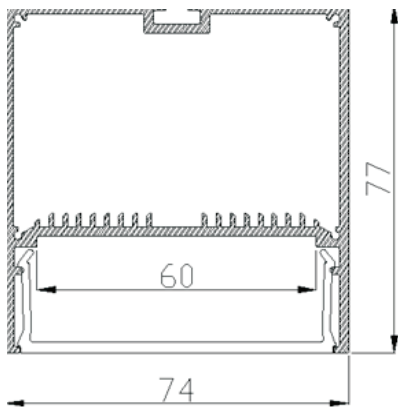
MAN540/ALU
MAN540/04 Black

• 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.
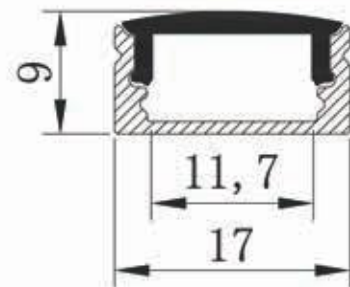• **MAN526/04** End Caps - Black

Variety of LED tape light available. Please ask a consultant for further information.
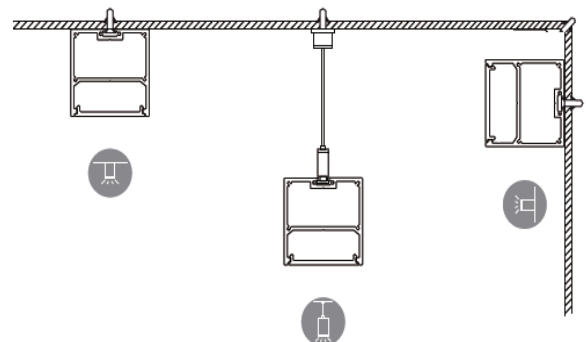
Installation Instructions:
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• Protective clear film to be removed from aluminium body & lens cover.
• LED tape to be applied firmly to the profile and it is advisable to secure the power cable tight so that it protrudes from the profile.
• Downward 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
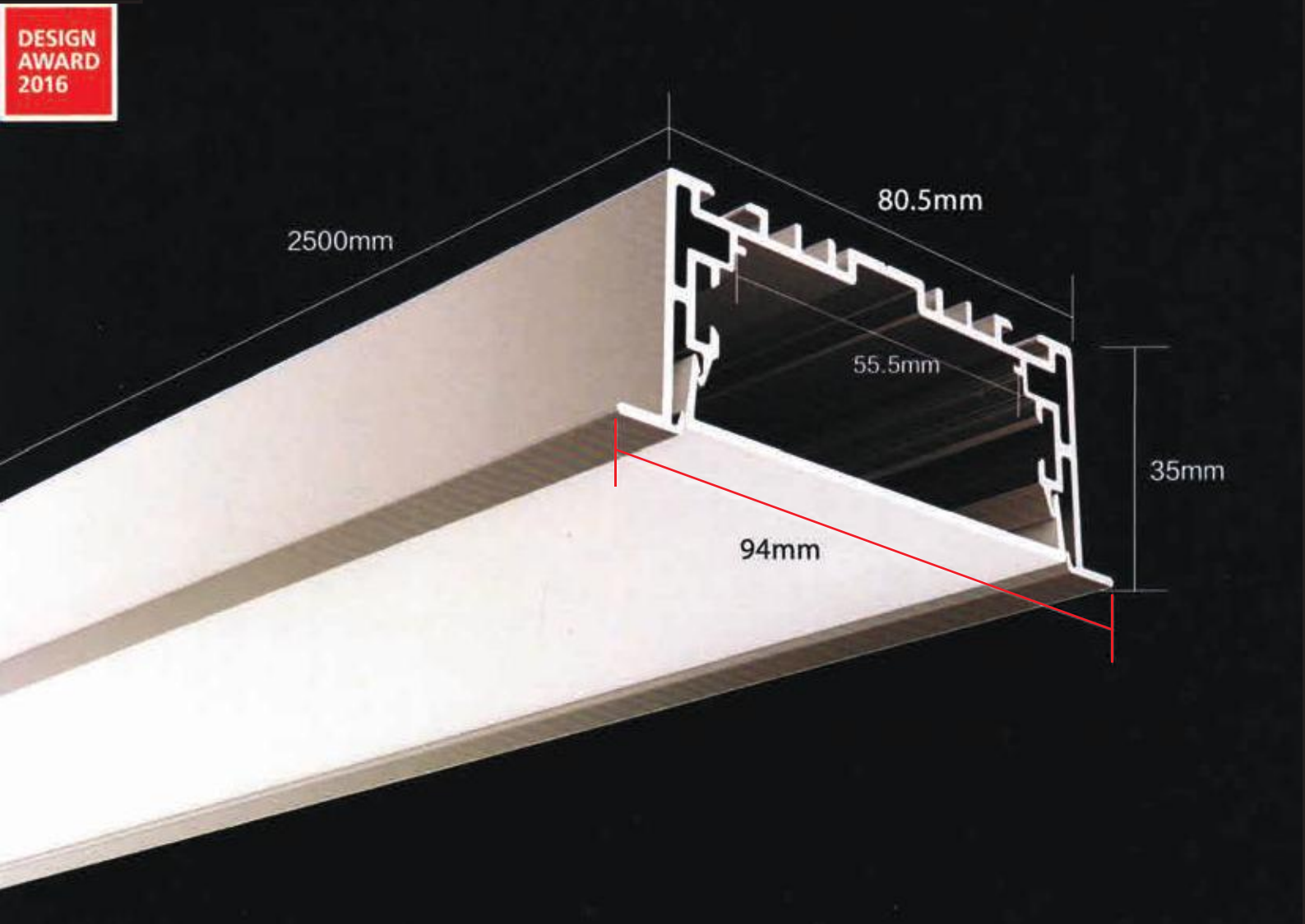
10

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.
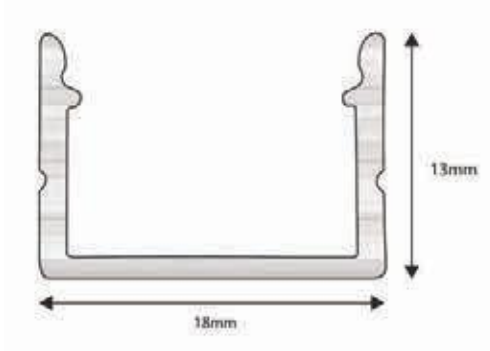
• Extruded aluminium profile with opal clip-in diffuser.
• Recessed mounting bracket and end-caps.
• Length: 2000mm
• Width: 18mm
• Height:13mm

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

Installation Instructions:
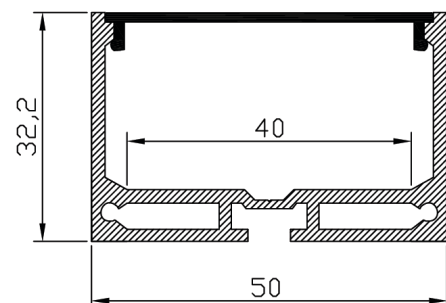• Tape light to be fitted into profile by a competent person only.
• Please ensure profile is cleaned from residue, metal fillings or dust before applying the LED tape light.
• Protective clear film to be removed from aluminium body & lens cover.
• LED tape to be applied firmly to the profile and it 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.

LED Linear Trunking System
160 LM/W

30° 60° 90° 120° Asymmetric-R Asymmetric-L 25° Double

LED LINEAR TRUNKING SYSTEM

This LED Linear trunking system is an efficient, flexible and versatile system providing lighting solutions for various applications of industry, commerce, office, etc. Thanks to its seamless linkable function, linear trunking system from Eagle Lighting is perfect for being installed in broad warehouses, workshops, supermarkets & retail shops etc. It provides many lighting options with various luminaire elements, optics and functional modules to meet different lighting requirements.

Mounting
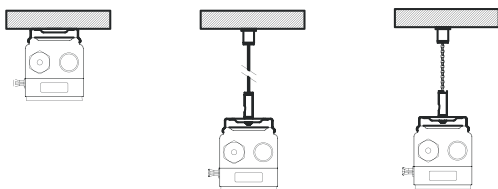
Dimensions

Lengths: 578mm / 1150mm / 1438mm / 2876mm

45

65

A

APPLICATIONS

Conference rooms, Exhibitions, Showrooms, Reception Areas, Factories, Warehouse, Retail Shops etc.

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LED MODULES

NON-DIMMING

Length	Power	Lumen	LM/W	Input Voltage	CCT	Driver Brand
1438mm	60W can adjust 55W/50W/42W	MAX 9600LM	160LM/W	AC 220-240V	3000-6500K	TRIDONIC
	60W can adjust 50W/42W/32W	MAX 9600LM	160LM/W	AC 220-240V	3000-6500K	OSRAM
2876mm	60W	9600LM	160LM/W	AC 220-240V	3000-6500K	TRIDONIC
	120W	19 200LM	160LM/W	AC 220-240V	3000-6500K	TRIDONIC

1-10V DIMMING

Length	Power	Lumen	LM/W	Input Voltage	CCT	Driver Brand
1438mm	42W can adjust 38W/35W/32W	MAX 6000LM	150LM/W	AC 220-240V	3000-6500K	ENEC Driver
	72W can adjust 68W/64W/60W	MAX 9600LM	150LM/W	AC 220-240V	3000-6500K	ENEC Driver
2876mm	72W can adjust 68W/64W/60W	MAX 9600LM	150LM/W	AC 220-240V	3000-6500K	ENEC Driver
	140W / 130W / 120W	MAX 19 200LM	150LM/W	AC 220-240V	3000-6500K	ENEC Driver

DALI DIMMING

Length	Power	Lumen	LM/W	Input Voltage	CCT	Driver Brand
1438mm	65W can adjust 60W/55W/45W/42W	MAX 9600LM	150LM/W	AC 220-240V	3000-6500K	TRIDONIC
2876mm	60W	9600LM	150LM/W	AC 220-240V	3000-6500K	TRIDONIC
	120W	18 000LM	150LM/W	AC 220-240V	3000-6500K	TRIDONIC

LED Linear Trunking System
160 LM/W

30°   60°   90°   120°   Asymmetric-R   Asymmetric-L   25° Double
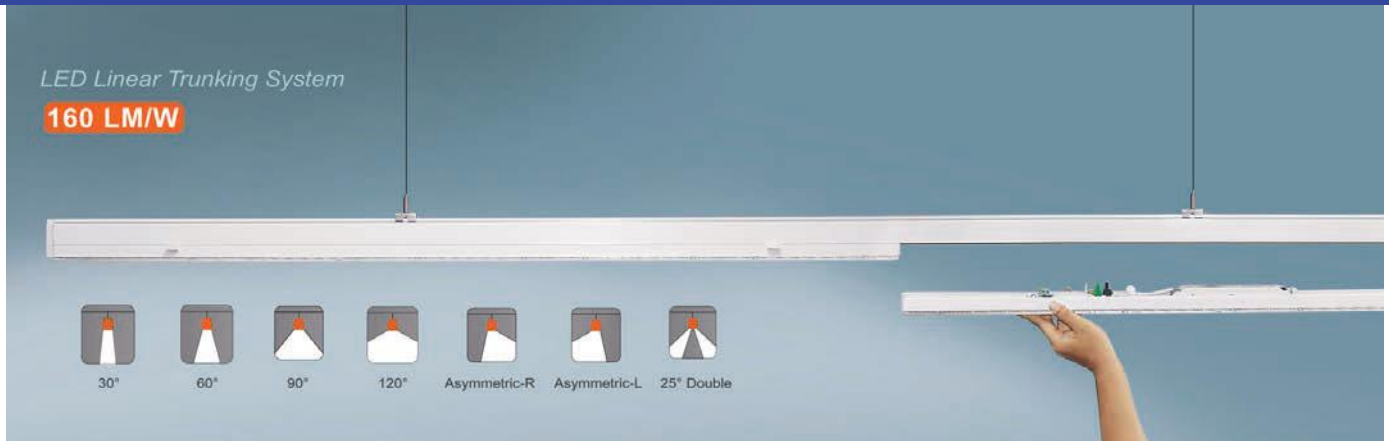
ECO LED LINEAR TRUNKING SYSTEM

This ECO LED Linear trunking system is the newest design on LED lighting for trunking, which provide the optimized lighting solution for commercial and industrial lighting applications. The quick assembly system makes installation possible by just a pull & push. The integrated through-wiring allows a series connetion of the lights and saves additional electrical installation.

No Wires
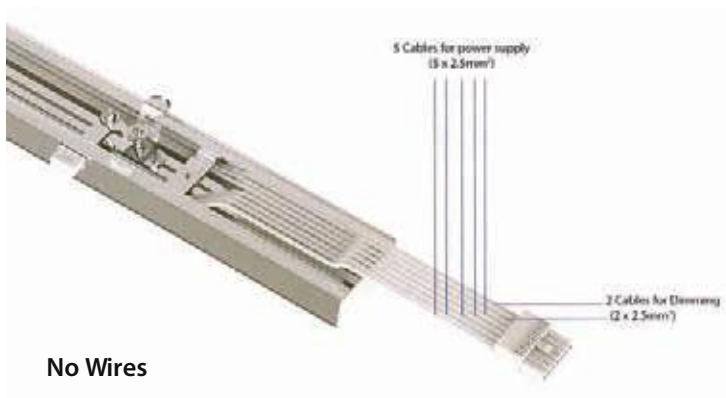
Mounting
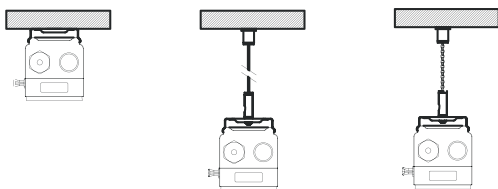
Dimensions

Lengths: 1438mm / 2876mm

APPLICATIONS

Conference rooms, Exhibitions, Showrooms, Reception Areas, Factories, Warehouse, Retail Shops etc.

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LED MODULES

NON DIMMING

Length	Power	Lumen	LM/W	Input Voltage	CCT	Driver Brand
1438mm	60W can adjust 55W/50W/42W	MAX 9600LM	160LM/W	AC 220-240V	3000-6500K	TRIDONIC
	60W can adjust 50W/42W/32W	MAX 9600LM	160LM/W	AC 220-240V	3000-6500K	OSRAM

1-10V DIMMING

Length	Power	Lumen	LM/W	Input Voltage	CCT	Driver Brand
1438mm	42W can adjust 38W/35W/32W	MAX 6000LM	150LM/W	AC 220-240V	3000-6500K	ENEC Driver
	72W can adjust 68W/64W/60W	MAX 9600LM	150LM/W	AC 220-240V	3000-6500K	ENEC Driver

DALI DIMMING

Length	Power	Lumen	LM/W	Input Voltage	CCT	Driver Brand
1438mm	65W can adjust 60W/55W/45W/42W	MAX 9600LM	150LM/W	AC 220-240V	3000-6500K	TRIDONIC

SPECIFICATIONS:

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

Input Voltage: 24VDC
Rated Current: 0.46A(1meter) / 6.85A(5meter)
Typical Power: 11W(1meter) / 165W(5meter)
Power Range: 10-12W
Max Power: 12W
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

AVERAGE BEAM ANGLE(50%):151.9 DEG
UNIT:cd
C0/180,190.7deg
C90/270,113.1deg
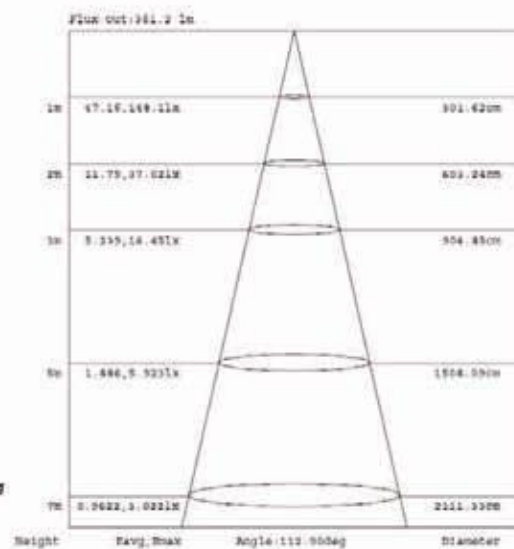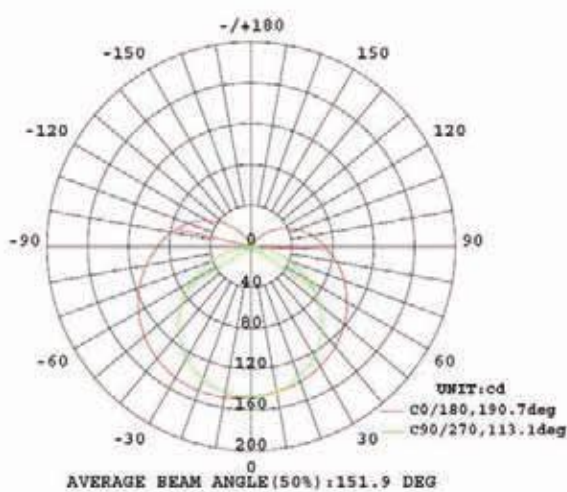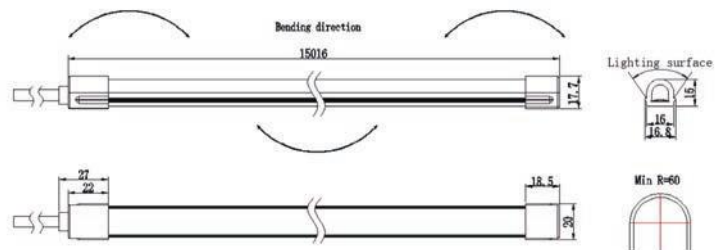
MAN573 - 24V - 8MM - 3000K

• Super-dense LED distribution of 160 LED/m
• Self-encapsulated design 3000K
• LED full spectrum strip
• LM80 certied
• Medium useful life (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) / 46.3W(5meter)
Power Range: 9.6~12W

NO	24V DC	160 LEDs/m	8mm ←W→	5m REEL

RECOMENDED PROFILES:

MAN524	MAN500	WD500	MAN520	MAN525

MAN574 - 24V - 8MM - 4000K

• Super-dense LED distribution of 160 LED/m
• Self-encapsulated design 4000K
• LED full spectrum strip
• LM80 certied
• Medium useful life (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) / 46.3W(5meter)
Power Range: 9.6~12W

NO	24V DC	160 LEDs/m	8mm ←W→	5m REEL

RECOMENDED PROFILES:

MAN524	MAN500	WD500	MAN520	MAN525

MAN575 - 24V - 8MM - 3000K

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

BASIC PARAMETERS:
Size: 5000 x 8 x 1.2mm
Cutting Unit: 6LEDs/50mm
Input Voltage: 24VDC
Input Current: 0.33A/1m & 1.37A/5m
Typ power: 8W/m
Max power: 8.6W/m
Bend Diameter: >60mm

PHOTOELECTRIC PARAMETERS:
3000K
691 LM/m
86 LM/w
A+ Energy Efficiency Class
CRI >90

EG	ET	EF	24V DC	120 LEDs/m	8mm ←W→	5m REEL

3.33mm 8mm Cutting Unit: 50mm 1.2mm

RECOMENDED PROFILES:

MAN524   MAN507   MAN505   MAN500   MAN506   WD500   MAN520   MAN525
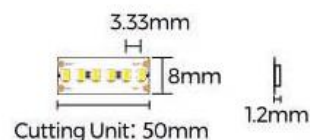
MAN576 - 24V - 8MM - 4000K

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

BASIC PARAMETERS:
Size: 5000 x 8 x 1.2mm
Cutting Unit: 6LEDs/50mm
Input Voltage: 24VDC
Input Current: 0.33A/1m & 1.37A/5m
Typ power: 8W/m
Max power: 8.6W/m
Bend Diameter: >60mm

EG	ET	EF	24V DC	120 LEDs/m	8mm ←W→	5m REEL

3.33mm 8mm Cutting Unit: 50mm 1.2mm

PHOTOELECTRIC PARAMETERS:
4000K
713 LM/m
89 LM/w
A+ Energy Efficiency Class
CRI >90

RECOMENDED PROFILES:

MAN524   MAN507   MAN505   MAN500   MAN506   WD500   MAN520   MAN525
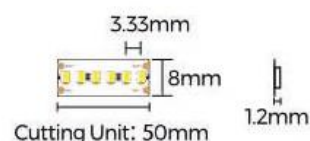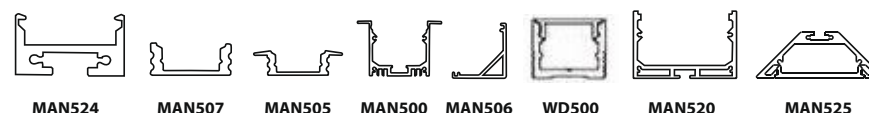
MAN577 - 24V - 8MM - 3000K

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

BASIC PARAMETERS:
Size: 5000 x 8 x 1.2mm
Cutting Unit: 6LEDs/20mm
Input Voltage: 24VDC
Input Current: 0.54A/1m & 2.3A/5m
Typ power: 13W/m
Max power: 14W/m
Bend Diameter: >60mm

PHOTOELECTRIC PARAMETERS:
3000K
1100 LM/m
85 LM/w
A Energy Efficiency Class
CRI >90

EG	ET	EF	24V DC	300 LEDs/m	8mm ←W→	5m REEL

3.33mm | 8mm | Cutting Unit: 20mm | 1.2mm

RECOMENDED PROFILES:

MAN524   MAN507   MAN505   MAN500   MAN506   WD500   MAN520   MAN525
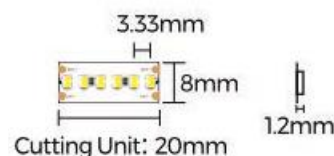
MAN578 - 24V - 8MM - 4000K

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

BASIC PARAMETERS:
Size: 5000 x 8 x 1.2mm
Cutting Unit: 6LEDs/20mm
Input Voltage: 24VDC
Input Current: 0.54A/1m & 2.3A/5m
Typ power: 13W/m
Max power: 14W/m
Bend Diameter: >60mm

PHOTOELECTRIC PARAMETERS:
4000K
1134 LM/m
87 LM/w
A+ Energy Efficiency Class
CRI >90

EG	ET	EF	24V DC	300 LEDs/m	8mm ←W→	5m REEL

3.33mm | 8mm | Cutting Unit: 20mm | 1.2mm

RECOMENDED PROFILES:

MAN524   MAN507   MAN505   MAN500   MAN506   WD500   MAN520   MAN525

20
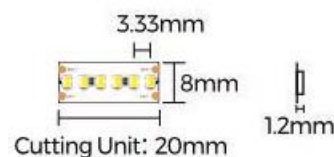
JIN101
White Tilt Downlight
50W Max
MR16 / GU10
Diameter: 95mm
Cut-out: 82mm

JIN103
White Fixed Downlight
50W Max
MR16 / GU10
Diameter: 80mm
Cut-out: 70mm

JIN108
Tilt Downlight
Satin Chrome
50W Max
MR16 / GU10
Diameter: 92mm
Cut-out: 82mm

JIN109
Fixed Downlight
Satin Chrome
50W Max
MR16 / GU10
Diameter: 80mm
Cut-out: 70mm

JIN171
White Fixed Downlight
12V ~ 50W
MR16 / GU5.3
Diameter: 83mm
Cut-out: 80mm

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

JIN162
Soft edge downlight - Round
Sand White
Pure Aluminium
35W Max GU10
IP20
Diameter: 107mm
Height: 25mm
Cut-out: 80mm

JIN164
Soft edge downlight - Square
Sand White
Pure Aluminium
35W Max GU10
IP20
L x W: 107mm
Height: 25mm
Cut-out: 80mm

JIN002
Lampholder for all GU10 Lamps
240V

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

23

TLQ100 - 4000K
TLQ101 - 3000K

Power: 6W
480Lm
80 Lumen per Watt
Diameter: 125mm
Depth: 31.5mm
Cut-out: ø100mm

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
Anti-Glare Diffuser
PF: >0.9

LED

Dimension
125mm
31.5mm

Cutting Diameter
ø100mm
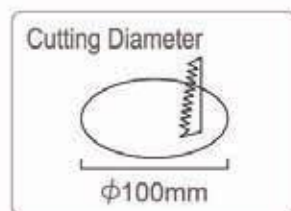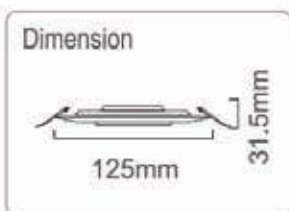
TLQ105 - 4000K
TLQ106 - 3000K

Power: 10W
850Lm
85 Lumen per Watt
Diameter: 150mm
Depth: 31.5mm
Cut-out: ø125mm

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
Anti-Glare Dffiuser
PF: >0.9

LED

Dimension
150mm
31.5mm

Cutting Diameter
φ125mm

25
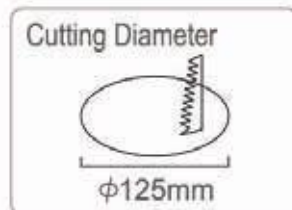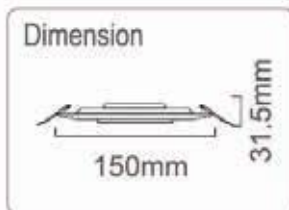
TLQ110 - 4000K
TLQ111 - 3000K

Power: 15W
1350Lm
90 Lumen per Watt
Diameter: 175mm
Depth: 31.5mm
Cut-out: ø150mm

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
Anti-Glare Diffuser
PF: >0.9

LED

Dimension
31.5mm
175mm

Cutting Diameter
ø150mm
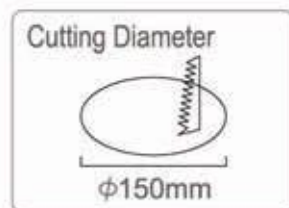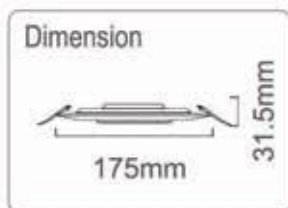
TLQ115 - 4000K
TLQ116 - 3000K

Power: 22W
2090Lm
95 Lumen per Watt
Diameter: 225mm
Depth: 31.5mm
Cut-out: ø200mm

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
Anti-Glare Dffiuser
PF: >0.9

Dimension
225mm
31.5mm

Cutting Diameter
ø200mm

27
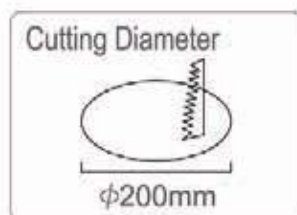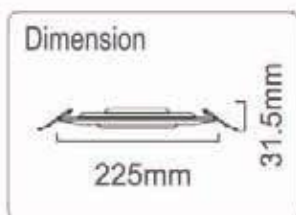
TLQ135

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℃ to +45℃
Retro built-in high efficiency driver
Connection: Push-in connector
Beam Angle: 120°
86% Energy Saving
Robust Design
Anti-Glare Diffuser
PF: >0.9

LED

Dimension
175mm
31.5mm

Cutting Diameter
150x150mm
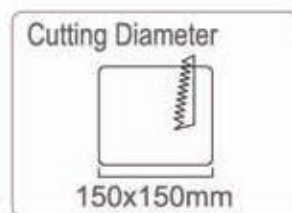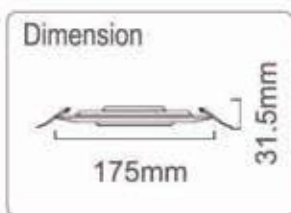
TLQ145

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
Anti-Glare Dffiuser
PF: >0.9

LED

Dimension
225mm
31.5mm

Cutting Diameter
200x200mm

29
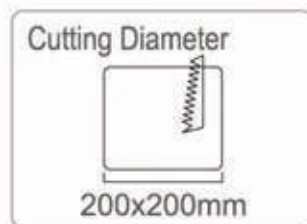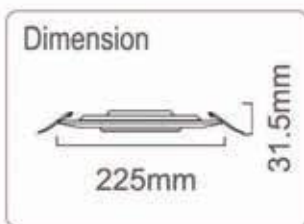
KK112
Fixed Downlight
Pure Aluminium
50W MR16
Diameter: 79mm
Cut-out: 60mm

KK113
Tilt Downlight
Pure Aluminium
50W MR16
Diameter: 82mm
Cut-out: 68mm

KK114
Fixed Downlight
Pure Aluminium
50W MR16
Diameter: 93mm
Cut-out: 75mm

KK115
Tilt Downlight
Pure Aluminium
50W MR16
Diameter: 93mm
Cut-out: 75mm

WXX100 - 3000K
WXX101 - 4000K
Adjustable LED downlighter - Round
Body: White non-corrosive plastic
Medium useful life (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

LED

WXX102 - 3000K - DIM
WXX103 - 4000K - DIM
Adjustable LED downlighter - Round
Body: White non-corrosive plastic
Medium useful life (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

LED

WXX105 - 3000K
WXX106 - 4000K
Adjustable LED downlighter - Square
Body: White non-corrosive plastic
Medium useful life (Lifespan): 20 000 - 25 000Hrs
Recessed
7W - Output: 6.5W
230V
IP20
500 Lumen
Beam Angle: 38°
Diameter: 95 x 95mm
Cut-out: 75mm
Depth: 47mm
NON DIMMABLE

LED

WXX121 - 6W

Input Voltage: 100-240V
Power: 6W LED
Flux: 380Lm
CCT: 4000K
PF: >0.5
Ra: 80
Beam Angle: 120°
Medium useful life (Lifespan): 25 000Hr
Diameter: 120mm
Height: 23mm
Cut-out: 110mm
LGP: PMMA
IP Rating: IP20
Warranty: 3 Years

WXX123 - 9W

Input Voltage: 100-240V
Power: 9W LED
Flux: 600Lm
CCT: 4000K
PF: >0.5
Ra: 80
Beam Angle: 120°
Medium useful life (Lifespan): 25 000Hr
Diameter: 150mm
Height: 23mm
Cut-out: 135mm
LGP: PMMA
IP Rating: IP20
Warranty: 3 Years

WXX125 - 15W

Input Voltage: 100-240V
Power: 15W LED
Flux: 1150Lm
CCT: 4000K
PF: >0.5
Ra: 80
Beam Angle: 120°
Medium useful life (Lifespan): 25 000Hr
Diameter: 198mm
Height: 23mm
Cut-out: 180mm
LGP: PMMA
IP Rating: IP20
Warranty: 3 Years

WXX127 - 18W

Input Voltage: 100-240V
Power: 18W LED
Flux: 1400Lm
CCT: 4000K
PF: >0.5
Ra: 80
Beam Angle: 120°
Medium useful life (Lifespan): 25 000Hr
Diameter: 225mm
Height: 23mm
Cut-out: 210mm
LGP: PMMA
IP Rating: IP20
Warranty: 3 Years

WXX128 - 24W

Input Voltage: 100-240V
Power: 24W LED
Flux: 1800Lm
CCT: 4000K
PF: >0.5
Ra: 80
Beam Angle: 120°
Medium useful life (Lifespan): 25 000Hr
Diameter: 300mm
Height: 23mm
Cut-out: 282mm
LGP: PMMA
IP Rating: IP20
Warranty: 3 Years

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

110

ø70
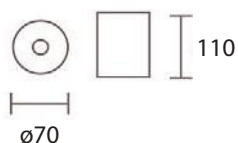
MAN387
Material: Aluminium
Body: White with Black Inner & Black Rod with switch
Class: I
Lamp Base: GU10 Max 50W
Head Diameter: 70mm
Head Length: 105mm
Fitting Height: 130mm
IP Rating: IP20
Input: 220-240V AC

Ø 70
130
105
70
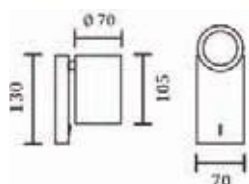
MAN410 - 3000K
MAN411 - 4000K
Material: Aluminium & Plastic
Finish: White
Integrated LED
Input: 220-240V ~ 50/60Hz
ta45°C
Wattage: 8W - 700mA
Lumen Output: 300Lm
CRI: >70
LED Driver included
Diameter: 113mm
Depth: 163mm
Length: 105mm

LED

113mm
113mm
163mm
35mm
105mm

34
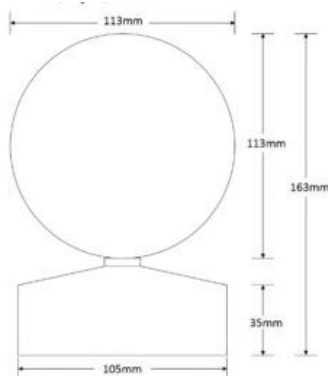
DL1010 - Round
Recessed Downlight with Clear Glass Diffuser
Colour: Sand Black / Sand White
GU10 or MR16 - Max 35W
Diameter: 85mm
Height: 45mm
Cut-out: 75mm
Voltage: 230V or 12V
IP Rating: IP65
Interior use only
Excludes lamp holder

Dia. 85mm

Height 45mm
(without spring)

Cut size 75mm
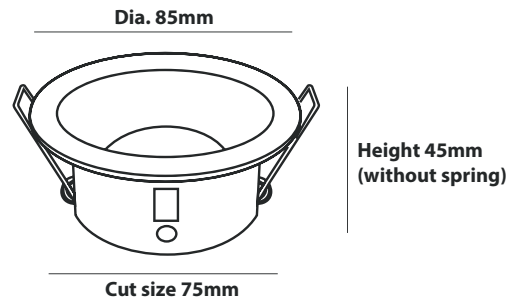
DL1011 - Square
Recessed Downlight with Clear Glass Diffuser
Colour: Sand Black / Sand White
GU10 or MR16 - Max 35W
Length x Width: 85 x 85mm
Height: 45mm
Cut-out: 75mm
Voltage: 230V or 12V
IP Rating: IP65
Interior use only
Excludes lamp holder
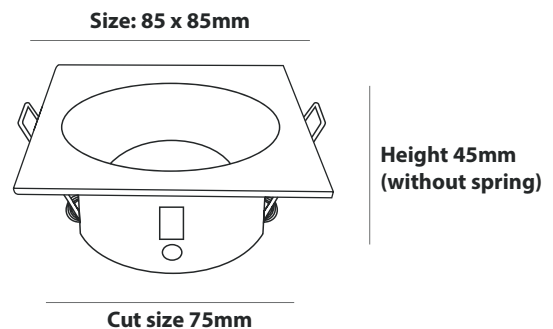
Attach lamp holder to side screw
JIN002

Size: 85 x 85mm

Height 45mm
(without spring)

Cut size 75mm

KK1924   LED

MAL

MWH

Item No.	Color	Kelvin	Beam angle
KK1924	MAL	4000K	30°
KK1924	MWH	4000K	30°

φ55 · 48 · 2.5 · 30° · φ64
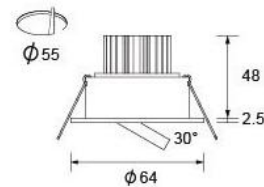
General information:
Item No.	KK1924
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	25,000 hours
Total 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++

IP44

III

COB 25000hrs

38°

30°

LED = MR11
3W   20W

LED = MR11
1x   13x
25000hrs   2000hrs

A++

Energy label: A++, A+, A, B, C, D, E

-/+180 · Beam Angle(50%): 30° UNIT:850cd

Flux out:135.9 lm

0.5m	1306,2024lx	36.00cm
1m	326.6,505.9lx	72.00cm
2m	81.64,126.5lx	144.01cm
3m	36.29,56.21lx	216.01cm
4m	20.41,31.62lx	288.02cm

Height Eavg,Emax Angle:30° Diameter

Approval Marks

CE RoHS Compliant ERP REACH TÜV SÜD DEKRA
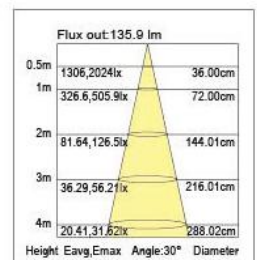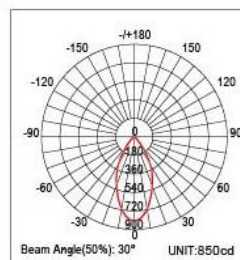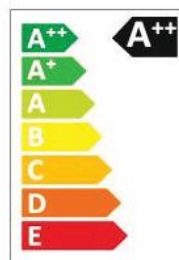
Applied
EN 60598-1/A11:2009
EN 60598-2-2/A1:1997
EN 62031:2008
EN 62471:2008
EN 62493:2010

EN 61347-1:2008+A1:2011
EN 61347-2-13:2006

EN 55015:2006+A1:2007+A2:2009
EN 61547:2009
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008

KK1917 — LED

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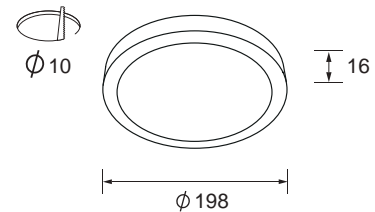
Item No.	Color	Kelvin	Beam angle
KK1917	MWH	4000K	110°

φ 10   16   φ 198

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
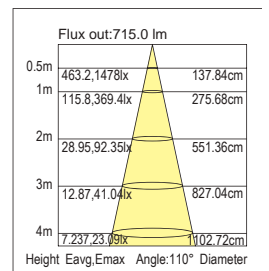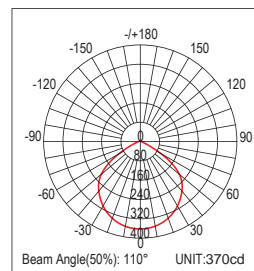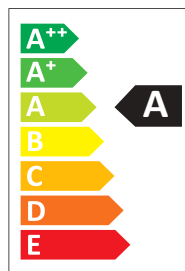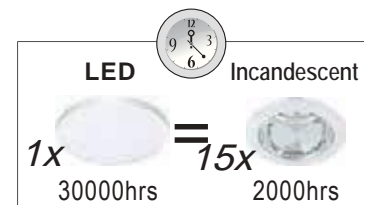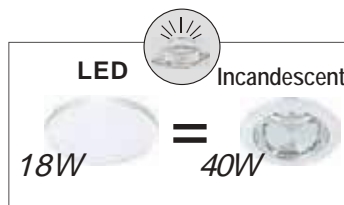
IP20   4000K   SMD2835 SMD 30000hrs   110°

LED Incandescent
18W = 40W

LED Incandescent
1x = 15x
30000hrs 2000hrs

Energy class: A++ A+ A B C D E — **A**

-/+180 polar diagram
Beam Angle(50%): 110°   UNIT:370cd

Flux out:715.0 lm

0.5m	463.2,1478lx	137.84cm
1m	115.8,369.4lx	275.68cm
2m	28.95,92.35lx	551.36cm
3m	12.87,41.04lx	827.04cm
4m	7.237,23.09lx	1102.72cm

Height Eavg,Emax Angle:110° Diameter

Approval Marks

CE   RoHS Compliant   ERP   REACH   TÜV SÜD   DEKRA

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
EN 61000-3-3:2013

SABS

KK1918   LED

NEW
Shallow
Surface

16
⌀300

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

IP20   4000K   SMD2835 SMD 15000hrs   110°

LED = **Incandescent**
24W = 72W

LED = **Incandescent**
1x = 15x
30000hrs = 2000hrs

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

Energy class:
A++
A+
A
B
C
D
E
A

-/+180
-150   150
-120   120
-90   90
-60   60
-30   30
120
240
360
480
600
0
Beam Angle(50%): 110°   UNIT:580cd

Flux out:1179 lm
Height	Eavg,Emax	Angle:110°	Diameter
0.5m	709.2,2318lx		145.01cm
1m	177.3,579.5lx		290.02cm
2m	44.33,144.9lx		580.05cm
3m	19.70,64.39lx		870.07cm
4m	11.08,36.22lx		1160.09cm

Approval Marks

CE   RoHS Compliant   ERP   REACH   TÜV SÜD   DEKRA

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
EN 61000-3-3:2013

KK1928 — LED

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

100x100
99
116x116

IP20 · 3000K · COB 30000hrs · 20° · Versatile 30°

LED		GU10
7W	=	50W

LED		GU10
1x 30000hrs	=	15x 2000hrs

General information:

Item No.	KK1928
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	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+

Energy class: A++, A+, A, B, C, D, E — **A+**

Beam Angle(50%): 20°   UNIT:2700cd

Flux out:150.3 lm

Height	Eavg,Emax	Angle:20°	Diameter
0.5m	7629,11293lx		15.37cm
1m	1907,2823lx		30.73cm
2m	476.8,705.8lx		61.47cm
3m	211.9,313.7lx		92.20cm
4m	119.2,176.5lx		122.93cm

Approval Marks

CE · RoHS Compliant · ERP · REACH · TÜV SÜD · DEKRA

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

SABS

KK1929   LED

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

180x100

99

204x116
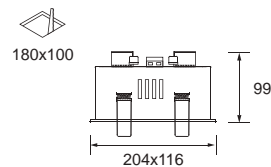
General information:	
Item No.	KK1929
Product family code	LED grille light
Installation type	recessed
Shape	square
Adjustable	versitile 30°
Housing material	iron
IP code	IP20
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
Total 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+

IP20

COB 3000K 30000hrs 20° Versatile

LED 2x7W = GU10 2x50W

LED 1x = GU10 15x
30000hrs   2000hrs

Energy label: A++ A+ A B C D E — A+

-/+180
Beam Angle(50%): 20°   UNIT:5390cd

Flux out:414.4 lm

Height	Eavg,Emax	Angle:20°	Diameter
0.5m	13965,21535lx		19.34cm
1m	3491,5384lx		38.68cm
2m	872.8,1346lx		77.36cm
3m	387.9,598.2lx		116.05cm
4m	218.2,336.5lx		154.73cm

Approval Marks

CE   RoHS Compliant   ERP   REACH   TÜV SÜD   DEKRA

Certified

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

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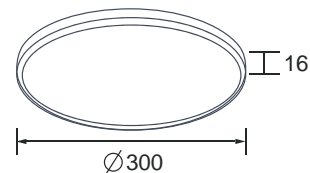EN 61547:2009
EN 61000-3-2:2014
EN 61000-3-3:2013
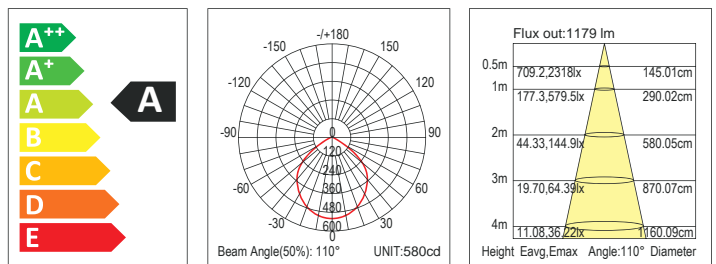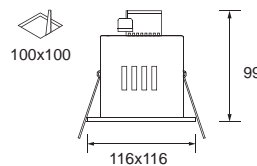
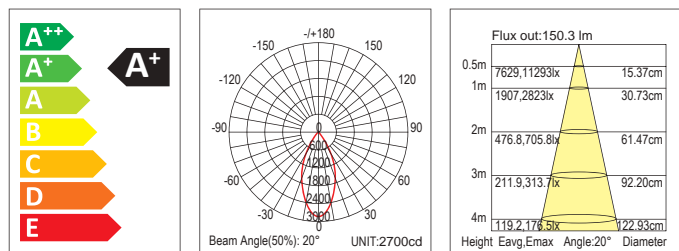EN61347-1:2008+A1:2011+A2:2013
EN61347-2-13:2014

KK1925　　LED

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

270x100

97
2

292x116
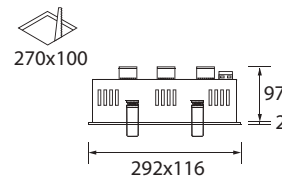
General information:	
Item No.	KK1925
Product family code	LED grille light
Installation type	recessed
Shape	square
Adjustable	versitile 30°
Housing material	iron
IP code	IP20
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
Total power	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
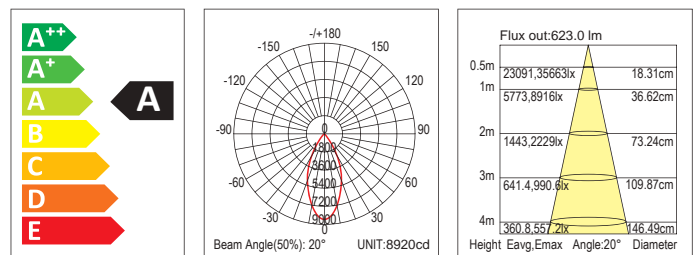
IP20　3000K　COB 30000hrs　20°　Versatile

LED　GU10
3x7W = 3x50W

LED　GU10
1x 30000hrs = 15x 2000hrs

A++
A+
A
B
C
D
E

A

-/+180
-150　150
-120　120
-90　90
-60　60
-30　30
0
1800
1600
1400
1200
900
Beam Angle(50%): 20°　UNIT:8920cd

Flux out:623.0 lm

Height	Eavg,Emax	Angle:20°	Diameter
0.5m	23091,35663lx		18.31cm
1m	5773,8916lx		36.62cm
2m	1443,2229lx		73.24cm
3m	641.4,990.6lx		109.87cm
4m	360.8,557.2lx		146.49cm

Approval Marks

CE　RoHS Compliant　ERP　REACH　TÜV SÜD　DEKRA

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

SABS

KK1937

LED

SWH

LAL/MAL

Φ75 44 2.5 20° 90x90

Item No.	Color	Kelvin	Beam angle
KK1937	SWH	2700K / 3000K	38°
KK1937	LAL/MAL	2700K / 3000K	38°
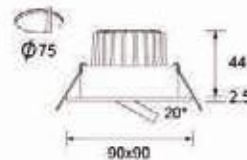
General information:

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	30,000 hours
Total power	8.1W

Light technical:

Input	DC350mA 18V
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+

IP44 3000K COB 30000hrs 38° 20°

LED 6W = MR16 45W

LED 1x 30000hrs = MR16 15x 2000hrs

A++ A+ A B C D E **A+**

Beam Angle(50%): 38°   UNIT:920cd

Flux out:239.7 lm
0.5m	2433,36.78lx	34.83cm
1m	608.4,919.7lx	69.26cm
2m	152.1,229.9lx	138.51cm
3m	67.60,102.2lx	207.77cm
4m	38.03,57.48lx	277.02cm

Height Eavg,Emax Angle:38° Diameter

Approval Marks

CE RoHS Compliant ERP REACH TÜV DEKRA

Certified

EN 60598-1/A11:2009
EN 60598-2-2/A1:1997
EN 62031:2008
EN 62471:2008
EN 62493:2010

EN 61347-1:2008+A1:2011
EN 61347-2-13:2006

EN 55015:2006+A1:2007+A2:2009
EN 61547:2009
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008

SABS

KK1934　LED

MWH

Item No.	Color	Kelvin	Beam angle
KK1934	MWH	2700K / 3000K	38°

NEW
650 lumen
103 Lm/W

ø75　42　4　25°　ø88
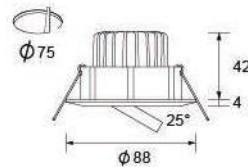
General information:	
Item No.	KK1934
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 25°
Housing material	die-cast aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
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	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+

III　IP44　3000K　COB 30000hrs　38°　25°

LED 6W = MR16 45W

LED 1x 30000hrs = MR16 15x 2000hrs

A++ A+ A B C D E　A+

Beam Angle(50%): 38°　UNIT:1080cd

Flux out:279.7 lm

0.5m	2840,4345lx	35.31cm
1m	709.9,1086lx	70.63cm
2m	177.5,271.6lx	141.25cm
3m	78.88,120.7lx	211.88cm
4m	44.37,67.89lx	282.51cm

Height Eavg,Emax　Angle:38°　Diameter

Approval Marks

CE　RoHS Compliant　ERP　REACH　TÜV SÜD　DEKRA

Certified
EN 60598-1/A11:2009　　EN 55015:2006+A1:2007+A2:2009
EN 60598-2-2/A1:1997　　EN 61547:2009
EN 62031:2008　　　　　EN 61000-3-2:2006+A1:2009+A2:2009
EN 62471:2008　　　　　EN 61000-3-3:2008
EN 62493:2010

EN 61347-1:2008+A1:2011
EN 61347-2-13:2006　　**SABS**

43

KK1934 - Dim   LED

MWH

NEW
Dimmable
650 lumen
103 Lm/W

Item No.	Color	Kelvin	Beam angle
KK1934-Dim	MWH	3000K, 4000K	38°

φ75   42   4   25°   φ88

General information:	
Item No.	KK1934 - Dim
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	30,000 hours
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+

IP44   Dimmable   3000K   COB 30000hrs   38°   25°

LED 6W = MR16 50W

LED 1x 30000hrs = MR16 15x 2000hrs

A++ A+ A B C D E   A+

-/+180   Beam Angle(50%): 38°   UNIT:1100cd

Flux out:279.7 lm

Height	Eavg,Emax		Angle:38°	Diameter
0.5m	2840,4345lx			35.31cm
1m	709.9,1086lx			70.63cm
2m	177.5,271.6lx			141.25cm
3m	78.88,120.7lx			211.88cm
4m	44.37,67.89lx			282.51cm

Approval Marks

CE   RoHS Compliant   ERP   REACH   TÜV SÜD   DEKRA

Certified
EN 60598-1/A11:2009
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
EN61347-2-2:2012

SABS

KK1935 — LED

MWH

**NEW
650 lumen
103 Lm/W**

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

φ68
44
2.5
20°
φ82

IP44 / III / COB 30000hrs / 3000K / 38° / 20°

LED 6W = MR16 50W

LED 1x 30000hrs = MR16 15x 2000hrs
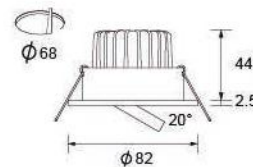
General information:

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	30,000 hours
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	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+

Energy class: A++ A+ A B C D E — A+

Beam Angle(50%): 38° UNIT:1080cd

Flux out:279.7 lm

Height	Eavg,Emax	Angle:38°	Diameter
0.5m	2840,4345lx		35.31cm
1m	709.9,1086lx		70.63cm
2m	177.5,271.6lx		141.25cm
3m	78.88,120.7lx		211.88cm
4m	44.37,67.89lx		282.51cm

Approval Marks

CE RoHS Compliant ERP REACH TÜV SÜD DEKRA

Certified

EN 60598-1/A11:2009
EN 60598-2-2/A1:1997
EN 62031:2008
EN 62471:2008
EN 62493:2010

EN 61347-1:2008+A1:2011
EN 61347-2-13:2006

EN 55015:2006+A1:2007+A2:2009
EN 61547:2009
EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3:2008

SABS

KK1935 - Dim   LED

MWH

NEW
Dimmable
650 lumen
103 Lm/W

Item No.	Color	Kelvin	Beam angle
KK1935-Dim	MWH	3000K, 4000K	38°

φ 68   44   2.5   20°   φ 82

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	30,000 hours
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+

IP44   Dimmable   3000K   COB 30000hrs   38°   20°

LED **6W** = MR16 **50W**

LED **1x** 30000hrs = MR16 **15x** 2000hrs

A++ / A+ / A / B / C / D / E   **A+**

Flux out:279.7 lm

Height		Eavg,Emax	Angle:38°	Diameter
0.5m	2840,4345lx			35.31cm
1m	709.9,1086lx			70.63cm
2m	177.5,271.6lx			141.25cm
3m	78.88,120.7lx			211.88cm
4m	44.37,67.89lx			282.51cm

Beam Angle(50%): 38°   UNIT:1100cd

Approval Marks

CE   RoHS Compliant   ERP   REACH   TÜV SÜD   DEKRA

Certified
EN 60598-1/A11:2009
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
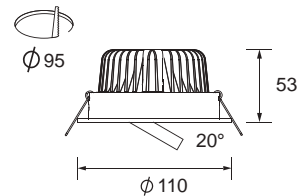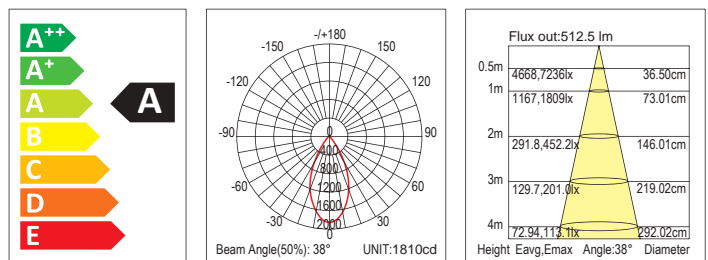
EN61347-1:2008+A1:2011+A2:2013
EN61347-2-2:2012

SABS

KK1936

LED

MWH

NEW
1000Lm
78Lm/W

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

φ 95
53
20°
φ 110

General information:

Item No.	KK1936
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 20°
Housing material	aluminium
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
Total power	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
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

III
3000K
COB 30000hrs
38°
20°

LED **12W** = **AR111** **100W**

LED **1x** 30000hrs = **AR111** **15x** 2000hrs

A++
A+
A
B
C
D
E

A

-/+180
-150   150
-120   120
-90   90
-60   60
-30   30
400
800
1200
1600
2000
0
Beam Angle(50%): 38°   UNIT:1810cd

Flux out:512.5 lm
0.5m	4668,7236lx	36.50cm
1m	1167,1809lx	73.01cm
2m	291.8,452.2lx	146.01cm
3m	129.7,201.0lx	219.02cm
4m	72.94,113.1lx	292.02cm
Height	Eavg,Emax	Angle:38°	Diameter

Approval Marks

CE   RoHS Compliant   ERP   REACH   TÜV SÜD   DEKRA

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

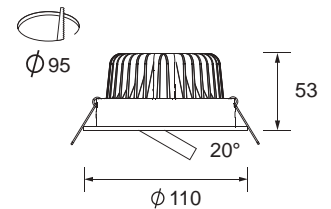EN 55015:2013
EN 61547:2009
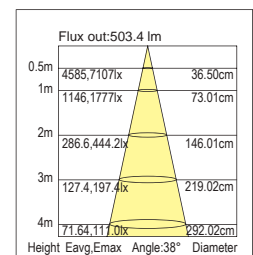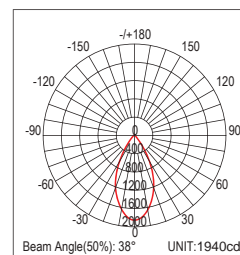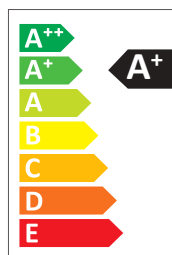EN 61000-3-2:2014
EN 61000-3-3:2013

SABS

KK1936 - DIM

LED

NEW
1050Lm
84Lm/W

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

φ 95
53
20°
φ 110

General information:	
Item No.	KK1936-DIM
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 20°
Housing material	aluminium
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
Total power	14.9W
Light technical:	
Input	DC350mA 36V
Type of lamps	COB
Number of lamps	1
Rated power	12W
Color consistency	<3
Light source replaceable	No
Color rendering index(CRI)	>80
Lamp color temperature	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+
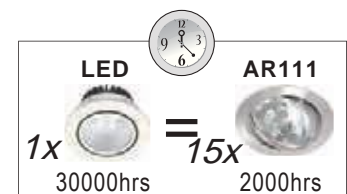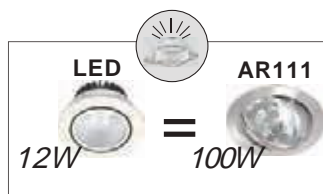
Dimmable | 4000K 30000hrs | COB | 38° | 20°

LED 12W = **AR111** 100W

LED 1x = **AR111** 15x
30000hrs   2000hrs

A++
A+
A
B
C
D
E

A+

-/+180
-150   150
-120   120
-90   90
-60   60
-30   30
400
800
1200
1600
2000

Beam Angle(50%): 38°   UNIT:1940cd

Flux out:503.4 lm

0.5m	4585,7107lx	36.50cm
1m	1146,1777lx	73.01cm
2m	286.6,444.2lx	146.01cm
3m	127.4,197.4lx	219.02cm
4m	71.64,111.0lx	292.02cm
Height	Eavg,Emax Angle:38°	Diameter

Approval Marks

CE   RoHS Compliant   ERP   REACH   TÜV SÜD   DEKRA

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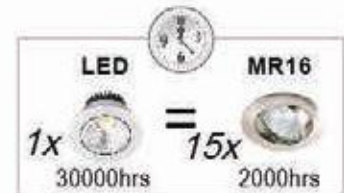EN 61000-3-2:2014
EN 61000-3-3:2013

SABS

KK1947 LED

NEW
650 lumen
103 Lm/W

Item No.	Color	Kelvin	Beam angle
KK1947	MAL	3000K / 4000K	38°

Satin Aluminium Finish

Ø68 44 2.5 20° Ø82

IP44 | 3000K | COB 30000hrs | 38° | 20°

LED 6W = MR16 50W

LED 1x 30000hrs = MR16 15x 2000hrs
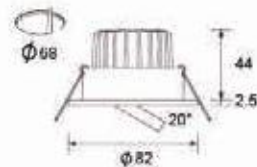
General information:

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	30,000 hours
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	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+

A++ A+ A B C D E — **A+**

Beam Angle(50%): 38°   UNIT:1080cd

Flux out:279.7 lm

0.5m	2840.4348lx	35.31cm
1m	709.9,1088lx	70.83cm
2m	177.5,271.8lx	141.25cm
3m	78.88,120.7lx	211.88cm
4m	44.32,67.88lx	282.51cm

Height Eavg,Emax Angle:38° Diameter

Approval Marks

CE RoHS Compliant ERP REACH TÜV DEKRA

Certified
EN 60598-1/A11:2009
EN 60598-2-2/A1.1997
EN 62031:2008
EN 62471.2008
EN 62493:2010

EN 55015:2006+A1:2007+A2:2009
EN 61547:2009
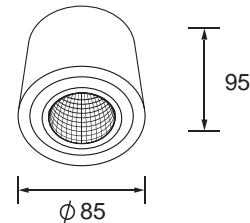EN 61000-3-2:2006+A1:2009+A2:2009
EN 61000-3-3.2008

EN 61347-1:2008+A1:2011
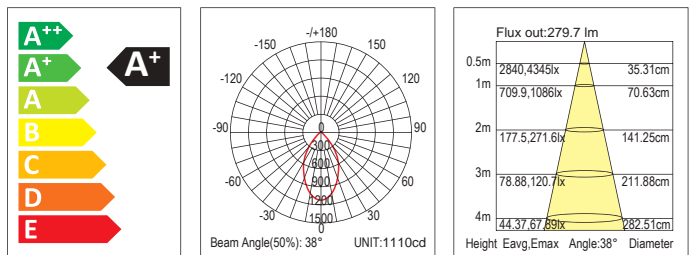EN 61347-2-13:2006

SABS

KK1948 LED

SWH

Item No.	Color	Kelvin	Beam angle
KK1948	SWH	3000K, 4000K	38°

NEW
650Lm
101Lm/W

95
ϕ 85

General information:	
Item No.	KK1948 - 6W
Product family code	LED down light
Installation type	surface-mounted
Shape	round
Adjustable	versitile 30°
Housing material	aluminium
IP code	IP20
Safety class	class I
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
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	AC100-240V
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+

IP20 COB 30000hrs 38° 30° Versatile
3000K

LED = GU10
6W   45W

LED = GU10
1x   15x
30000hrs 2000hrs

A++
A+
A
B
C
D
E
A+

-/+180
-150 150
-120 120
-90 90
-60 60
-30 30
600
900
1200
1500
Beam Angle(50%): 38° UNIT:1110cd

Flux out:279.7 lm
0.5m 2840,4345lx 35.31cm
1m 709.9,1086lx 70.63cm
2m 177.5,271.6lx 141.25cm
3m 78.88,120.7lx 211.88cm
4m 44.37,67.89lx 282.51cm
Height Eavg,Emax Angle:38° Diameter

Approval Marks

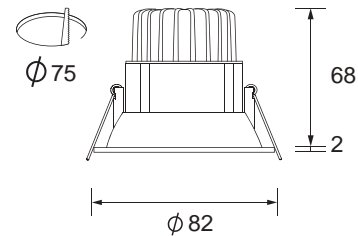CE RoHS Compliant ERP REACH TUV SÜD DEKRA

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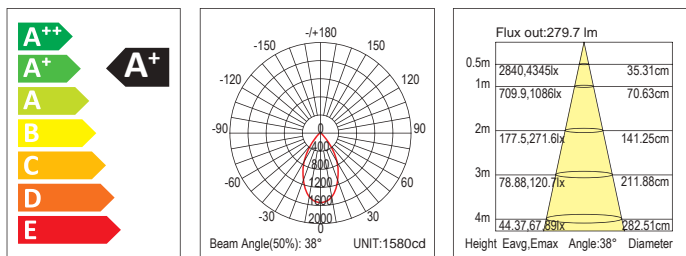EN 61000-3-2:2014
EN 61000-3-3:2013

SABS

KK1953 LED

NEW LOW GLARE

φ 75   68   2   φ 82

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

Anti-glaring | **III** | **IP44** | **3000K** | **COB 30000hrs** | **38°**

LED **=** **MR16**
9W   60W

LED **=** **MR16**
1x   15x
30000hrs   2000hrs

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	30,000 hours
Total power	11.1W
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	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+

Energy label: A++ A+ A B C D E — **A+**

-/+180
-150   150
-120   120
-90   90
-60   60
-30   30
400
800
1200
1600
2000
Beam Angle(50%): 38°   UNIT:1580cd

Flux out:279.7 lm

Height	Eavg,Emax	Angle:38°	Diameter
0.5m	2840,4345lx		35.31cm
1m	709.9,1086lx		70.63cm
2m	177.5,271.6lx		141.25cm
3m	78.88,120.7lx		211.88cm
4m	44.37,67.89lx		282.51cm

Approval Marks

CE | RoHS Compliant | ERP | REACH | TÜV SÜD | DEKRA

Applied

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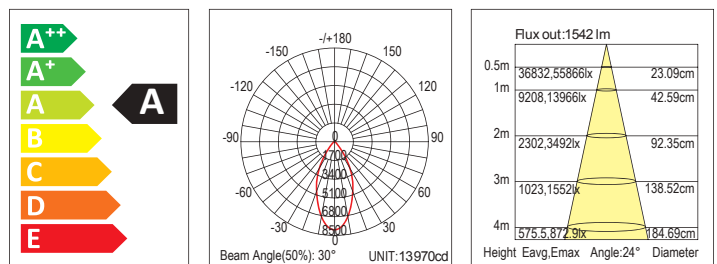
EN61347-1:2008+A1:2011+A2:2013
EN61347-2-13:2014

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

SABS

KK1956 / KK1957

LED

MWH/BK

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

165x165   123   3   196x196

IP20   3000K & 4000K   COB 50000hrs   30°   30° Versatile
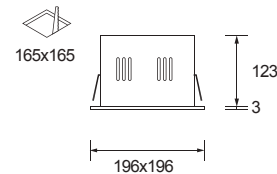
General information:	
Item No.	KK1956
Product family code	LED grille light
Installation type	recessed
Shape	square
Adjustable	versitile 30°
Housing material	aluminium
IP code	IP20
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	50,000 hours
Total power	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 ⊡xC 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+

LED = CDM-T   50W

LED 1x 50000hrs = CDM-T 5x 10000hrs

26W

A++ / A+ / A / B / C / D / E   **A+**

Beam Angle(50%): 30°   UNIT:6970 cd

Flux out:811.8 lm

Height	Eavg,Emax	Angle:24°	Diameter
0.5m	17932,27848lx		23.10cm
1m	4483,6962lx		46.20cm
2m	1121,1741lx		92.40cm
3m	498.1,773.6lx		138.60cm
4m	280.2,435.1lx		184.80cm

Approval Marks

CE   RoHS Compliant   ERP   REACH

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

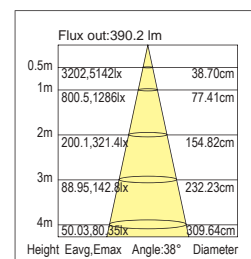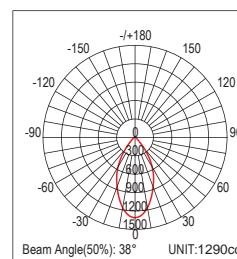EN61347-1:2008+A1:2011+A2:2013
EN61347-2-13:2014

SABS

KK1958 / KK1959

LED

MWH/BK

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

340x165

123
3

371x196
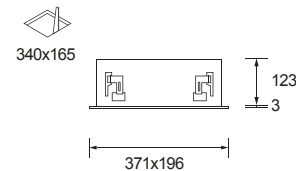
General information:	
Item No.	KK1958
Product family code	LED grille light
Installation type	recessed
Shape	square
Adjustable	versitile 30°
Housing material	aluminium
IP code	IP20
Safety class	class II
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	50,000 hours
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 □xC 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

IP20 · 3000K & 4000K · COB 50000hrs · 30° · 30° Versatile

LED **CDM-T**

2x26W = 2x50W

LED **CDM-T**

1x 50000hrs = 5x 10000hrs

A++ A+ A B C D E → **A**

-/+180
-150 / 150
-120 / 120
-90 / 90
-60 / 60
-30 / 30
0
Beam Angle(50%): 30°   UNIT:13970cd

Flux out:1542 lm

Height	Eavg,Emax	Angle:24°	Diameter
0.5m / 1m	36832,55866lx		23.09cm
	9208,13966lx		42.59cm
2m	2302,3492lx		92.35cm
3m	1023,1552lx		138.52cm
4m	575.5,872.9lx		184.69cm

Approval Marks

CE · RoHS Compliant · ERP · REACH

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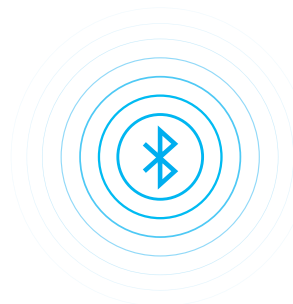EN 60598-1:2015
EN 60598-2-2:2012
EN 62031:2008/A1:2013
EN 62471:2008
EN 62493:2010

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

SABS

53

KK1966

LED

NEW
740Lm
79Lm/W

SWH

Item No.	Color	Kelvin	Beam angle
KK1966	SWH	3000K, 4000K	38°

φ80 · 54 · 2 · 30° · φ95
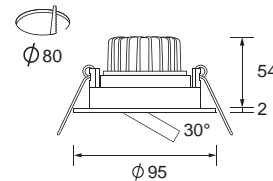
General information:	
Item No.	KK1966
Product family code	LED down light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	die-cast aluminium
IP code	IP44
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
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+

IP44 · 3000K · COB 30000hrs · 38° · 30°

LED 9W = **MR16** 60W

LED 1x 30000hrs = **MR16** 15x 2000hrs

Energy class: A++ A+ A B C D E — **A+**

Flux out:390.2 lm

0.5m	3202,5142lx	38.70cm
1m	800.5,1286lx	77.41cm
2m	200.1,321.4lx	154.82cm
3m	88.95,142.8lx	232.23cm
4m	50.03,80.35lx	309.64cm
Height	Eavg,Emax Angle:38°	Diameter

Beam Angle(50%): 38°   UNIT:1290cd

Approval Marks

CE · RoHS Compliant · ERP · REACH · TÜV SÜD · DEKRA
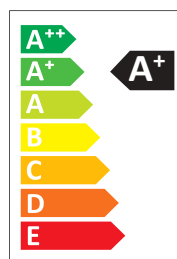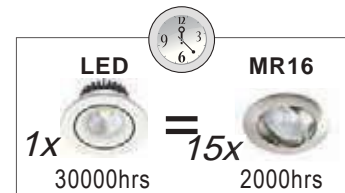
Applied

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
EN 61000-3-3:2013

SABS

KK1934/BT

LED

NEW
Bluetooth Downlight

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

Ø75 | 43.5 | 2.5 | 30° | Ø88

Dimmable | CRI 90Ra | III | IP20 | COB 30000hrs | 30° | 38°

LED 9W = GU10 30W

LED 1x = GU10 15x
30000hrs | 2000hrs
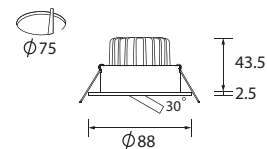
General information:	
Item No.	KK1934/BT
Product family code	LED Down Light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	CNC aluminum
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
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+

Energy label: A++ A+ A B C D E — A+

Polar diagram:
-/+180
-150 / 150
-120 / 120
-90 / 90
-60 / 60
-30 / 30
0
300, 600, 900, 1200, 1500
Beam Angle(50%): 38° UNIT:1020cd

Flux out:351.7 lm

Height	Eavg,Emax	Angle:38°	Diameter
0.5m	2610,4042lx		41.35cm
1m	652.6,1011lx		82.70cm
2m	163.1,252.7lx		165.39cm
3m	72.51,112.3lx		248.09cm
4m	40.79,63.16lx		330.78cm

Approval Marks

CE | RoHS Compliant | ERP | REACH | TÜV SÜD | DEKRA

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
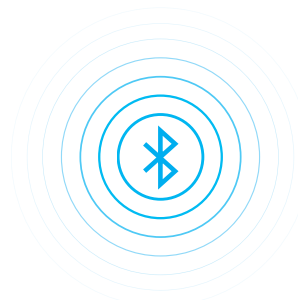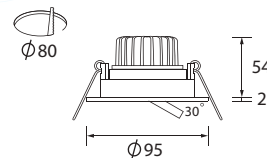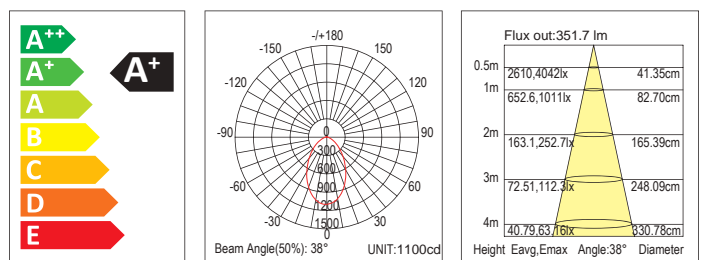EN61347-2-13:2014

IEC Code: KDL2105

KK1935/BT

LED

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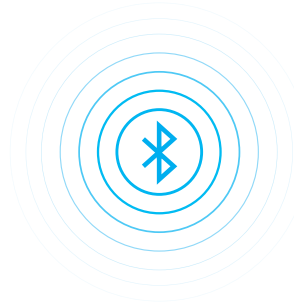
Item No.	Color	Kelvin	Beam angle
KK1935/BT	MWH	2700-5000K	38°

φ68
43.5
2.5
30°
φ82

Dimmable | CRI 90Ra | III | IP20 | COB 30000hrs | 30° | 38°

LED | **GU10**
9W | 30W

LED | **GU10**
1x 30000hrs | 15x 2000hrs
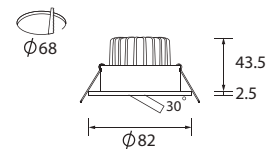
General information:	
Item No.	KK1935/BT
Product family code	LED Down Light
Installation type	recessed
Shape	round
Adjustable	adjustable 30°
Housing material	CNC aluminum
IP code	IP20
Safety class	class III
Connection	wire connection
Ambient temperature	0 to +35°C
Rated life to 70% lum. flux	30,000 hours
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+

A++
A+
A
B
C
D
E

A+

-/+180
-150 / 150
-120 / 120
-90 / 90
300
600
-60 / 60
900
1200
-30 / 30
1500
0
Beam Angle(50%): 38°   UNIT:1020cd

Flux out:351.7 lm
0.5m | 2610,4042lx | 41.35cm
1m | 652.6,1011lx | 82.70cm
2m | 163.1,252.7lx | 165.39cm
3m | 72.51,112.3lx | 248.09cm
4m | 40.79,63.16lx | 330.78cm
Height Eavg,Emax Angle:38° Diameter

Approval Marks

CE | RoHS Compliant | ERP | REACH | TÜV SÜD | DEKRA

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°

Φ95
50
3
20°
Φ110

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+

Dimmable | CRI 90Ra | III | IP20 | COB 30000hrs | 30° | 38°

LED — **GU10**
9W = 30W

LED — **GU10**
1x = 15x
30000hrs — 2000hrs

A++ / A+ / A / B / C / D / E → **A+**

-/+180
-150 / 150
-120 / 120
-90 / 90
-60 / 60
-30 / 30
0
300 / 600 / 900 / 1200 / 1500
Beam Angle(50%): 38°   UNIT:1200cd

Flux out:351.7 lm

Height	Eavg,Emax	Angle:38°	Diameter
0.5m	2610,4042lx		41.35cm
1m	652.6,1011lx		82.70cm
2m	163.1,252.7lx		165.39cm
3m	72.51,112.3lx		248.09cm
4m	40.79,63.16lx		330.78cm

Approval Marks

CE | RoHS Compliant | ERP | REACH | TÜV SÜD | DEKRA

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

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

Ø80
54
2
30°
Ø95

Dimmable | **CRI 90Ra** | **III** | **IP20** | | **COB 30000hrs** | **30°** | **38°**

LED	GU10
9W	30W

LED	GU10
1x 30000hrs	15x 2000hrs

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	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	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+

Energy label: A++ A+ A B C D E → **A+**

-/+180
-150 150
-120 120
-90 90
-60 60
-30 30
0
300 600 900 1200 1500
Beam Angle(50%): 38°   UNIT:1100cd

Flux out:351.7 lm

Height	Eavg,Emax	Angle:38°	Diameter
0.5m	2610,4042lx		41.35cm
1m	652.6,1011lx		82.70cm
2m	163.1,252.7lx		165.39cm
3m	72.51,112.3lx		248.09cm
4m	40.79,63.16lx		330.78cm

Approval Marks

CE | **RoHS Compliant** | **ERP** | **REACH** | **TÜV SÜD** | **DEKRA**

Applied

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

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

KOE
LED POWER SUPPLY
Model: KLP300-9BT2
Pri:220-240V~ 50Hz
0.12A λ:0.5C
Sec:Constant Current
DC27-32V 300mA
Load: 9W
ta: 50 °C   tc: 80 °C
Overload,Short Circuit Protection.
CE · tc SELV
110

Applications

Downlights, Spotlights and other Indoor LED applications.
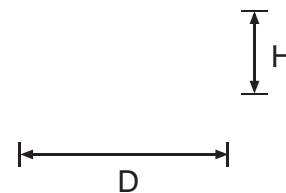
Dimensions: (DxH): 67X29mm

Product Features

· Housing material: PC
· Output currents : 300mA
· Output voltage : 27–32VDC
· Output power : 9W
· Input voltage : 220 – 240 VAC
· Typ. Efficiency : 79%

· Ambient temp range ta: -20°C to +50°C
· Max. case temperature at tc point: 80°C
· Galvanic isolation : 3kVrms
· Suitable for class I and II luminaires
· 30,000 h lifetime at tc = 80°C

Protections

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

Approval Marks

CE   RoHS Compliant   ERP   REACH   ▷ DEKRA

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，μs	
	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	ta ≤ 50°C
	Galvanic isolation	SELV-equivalent		3 kVrms
DIMMING	Dimming control	Yes		Smart dimming - mobile APP control
	Dimming range	5-100	%	
ENVIRONMENT	Ambient temperature range ta	-20 …+50	°C	
	Maximum case temperature tc	80	°C	Measured on tc point indicated of the product label.
	Max. case temp. in fault condition	110	°C	
	Storage temperature range	-25 …+75	°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

LED DOWNLIGHT

FEATURES:
- 38° Beam Angle
- External LED driver, easy connection with terminal block
- COB 9W - 3000K, 780Lm
- Equivelant to MR16 60W
- 30 000 Hours lifetime
- Available in Dimmable & Non-Dimmable
- Available in square, adjustable
- IP44
- Sand White colour
- Soft Edge
- Diameter: 95 x 95mm
- Cut-out: 80mm
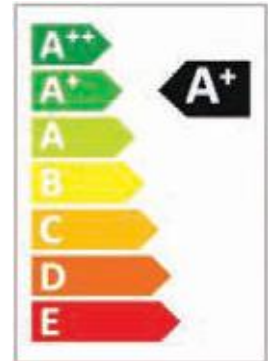
MAN320

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

PC-WL125
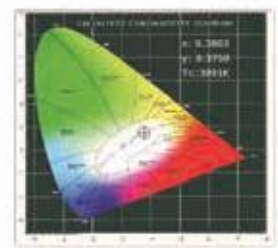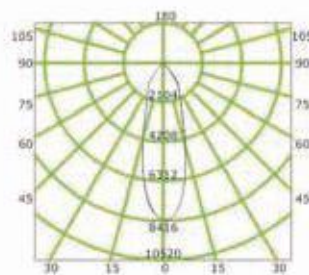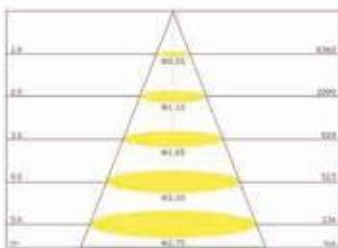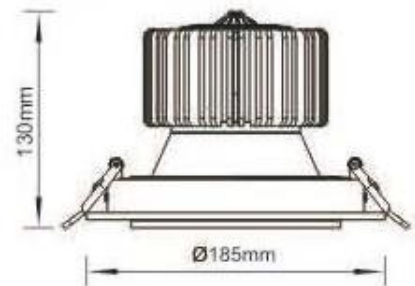
MAN321

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

LED

PC-WL125

63
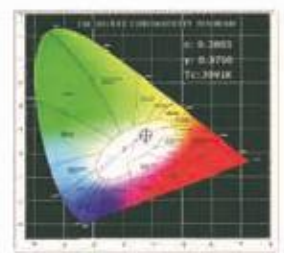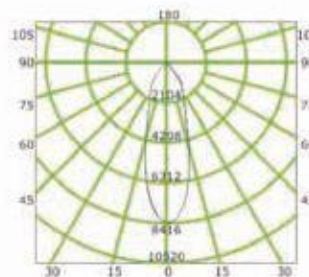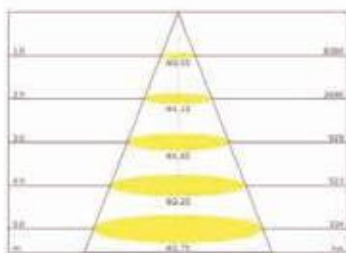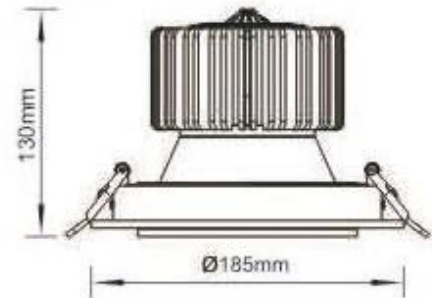
MAN322

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

LED

EAGLE LIGHTING
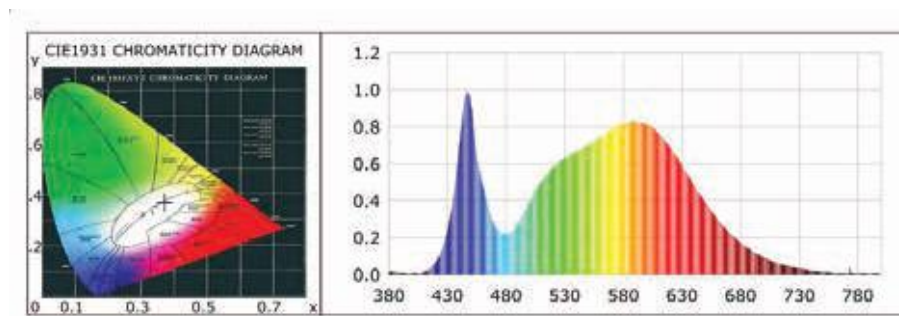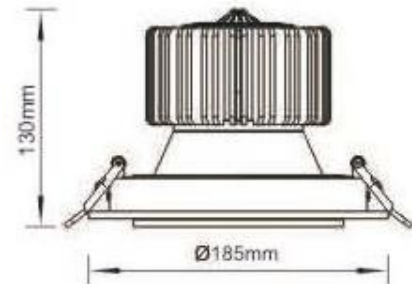
MAN326

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
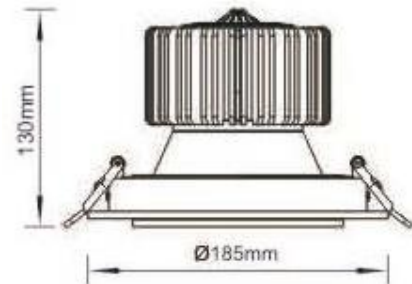
MAN328

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
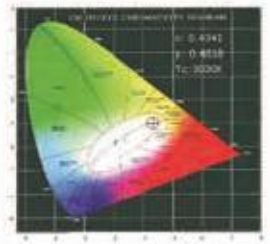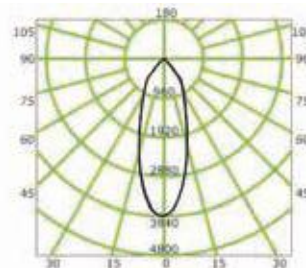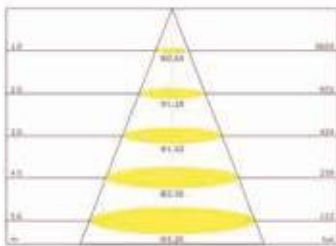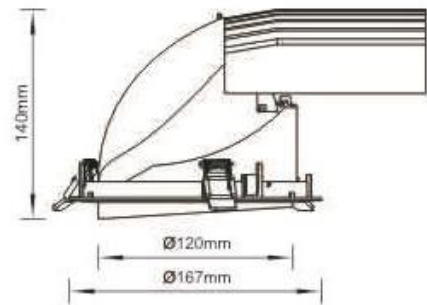
MAN345

• 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
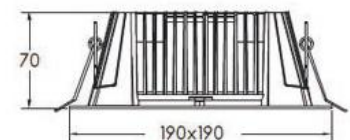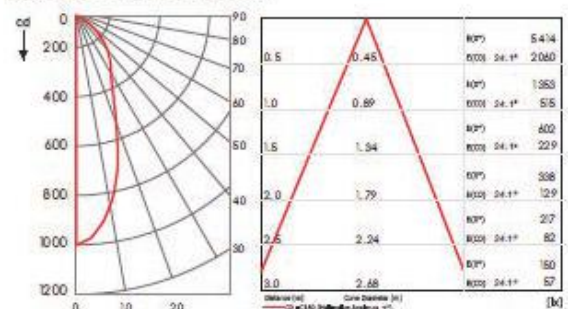
MAN346

• 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 shining 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
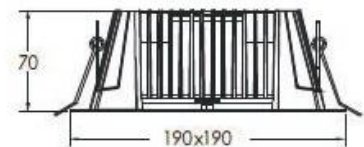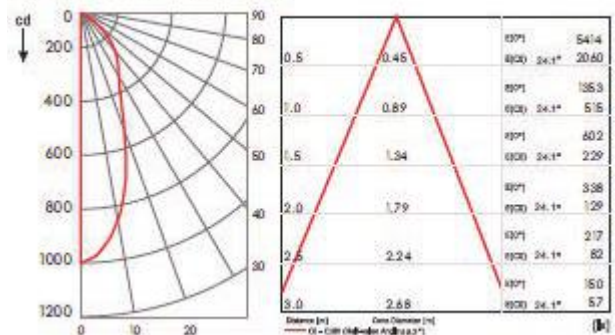
MAN347

• 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
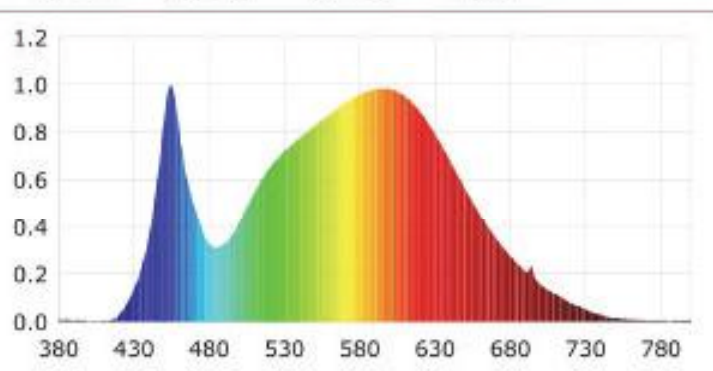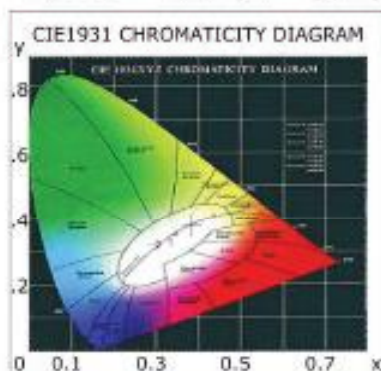
MAN330
LED Track Spot

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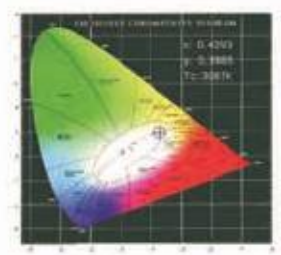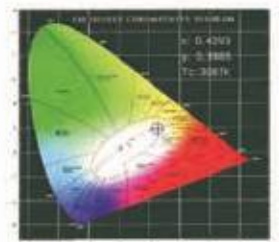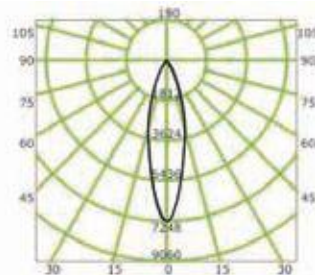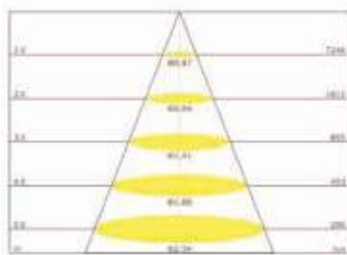220 - 240V
Lumen Output: 2950Lm
CCT: 4200K
CRI> 85
LED Driver Included
IP40
Width: 186mm
Diameter: 122mm
Height: 250mm
To be used with 4 wire track - **SCL400 Black Track**

IDEAL FOR SHOPS AND SHOWROOM LIGHTING

250mm

Ø 122mm
186mm
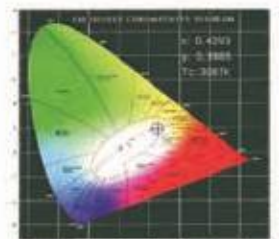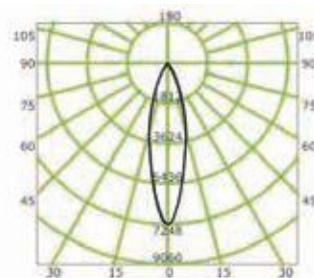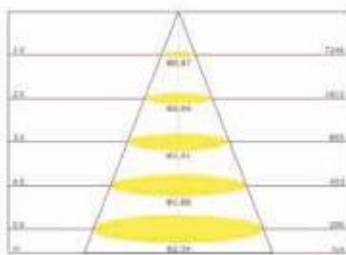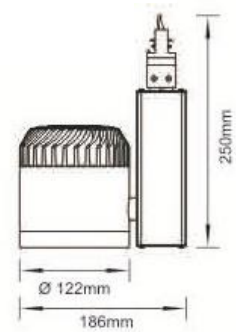
PC-WLST-139L

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**
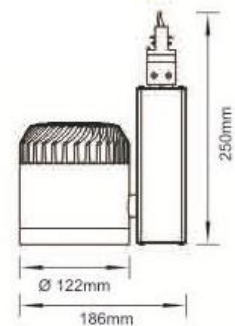
IDEAL FOR SHOPS AND SHOWROOM LIGHTING
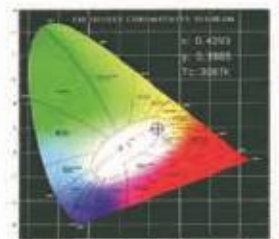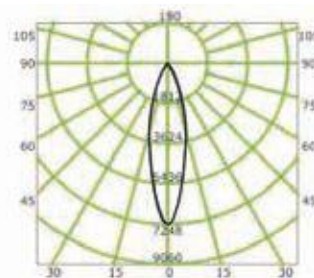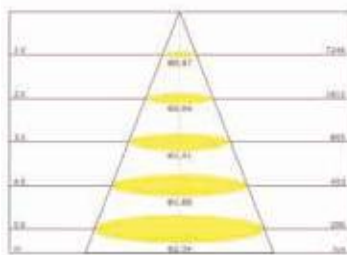
PC-WLST-139L

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

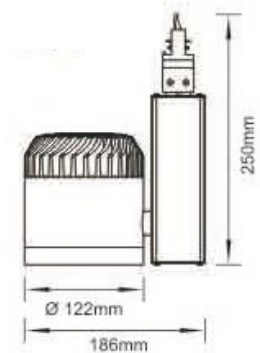To be used with 4 wire track - **MAN361 White Track**
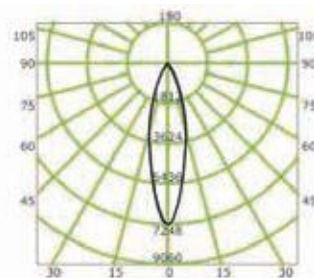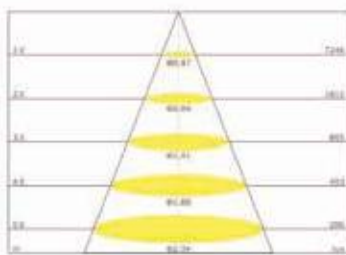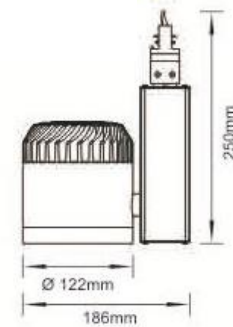
PC-WLST-139L

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**
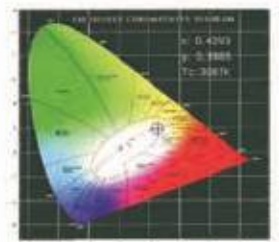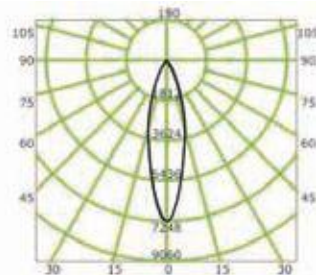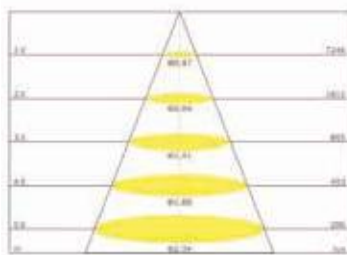
IDEAL FOR SHOPS AND SHOWROOM LIGHTING
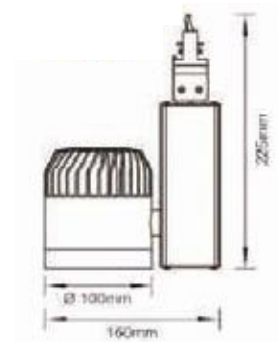

Ø 122mm
186mm
250mm

PC-WLST-139L

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**

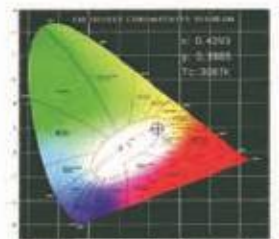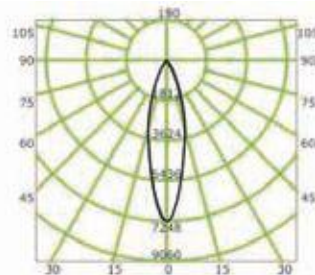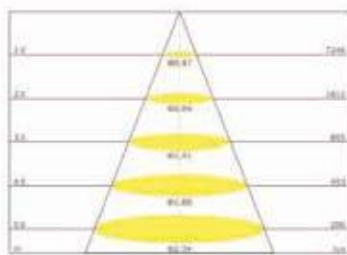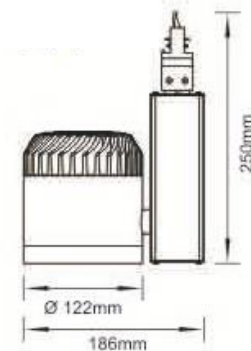**IDEAL FOR SHOPS AND SHOWROOM LIGHTING**

PC-WLST-139L

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

PC-WLST-139L

75
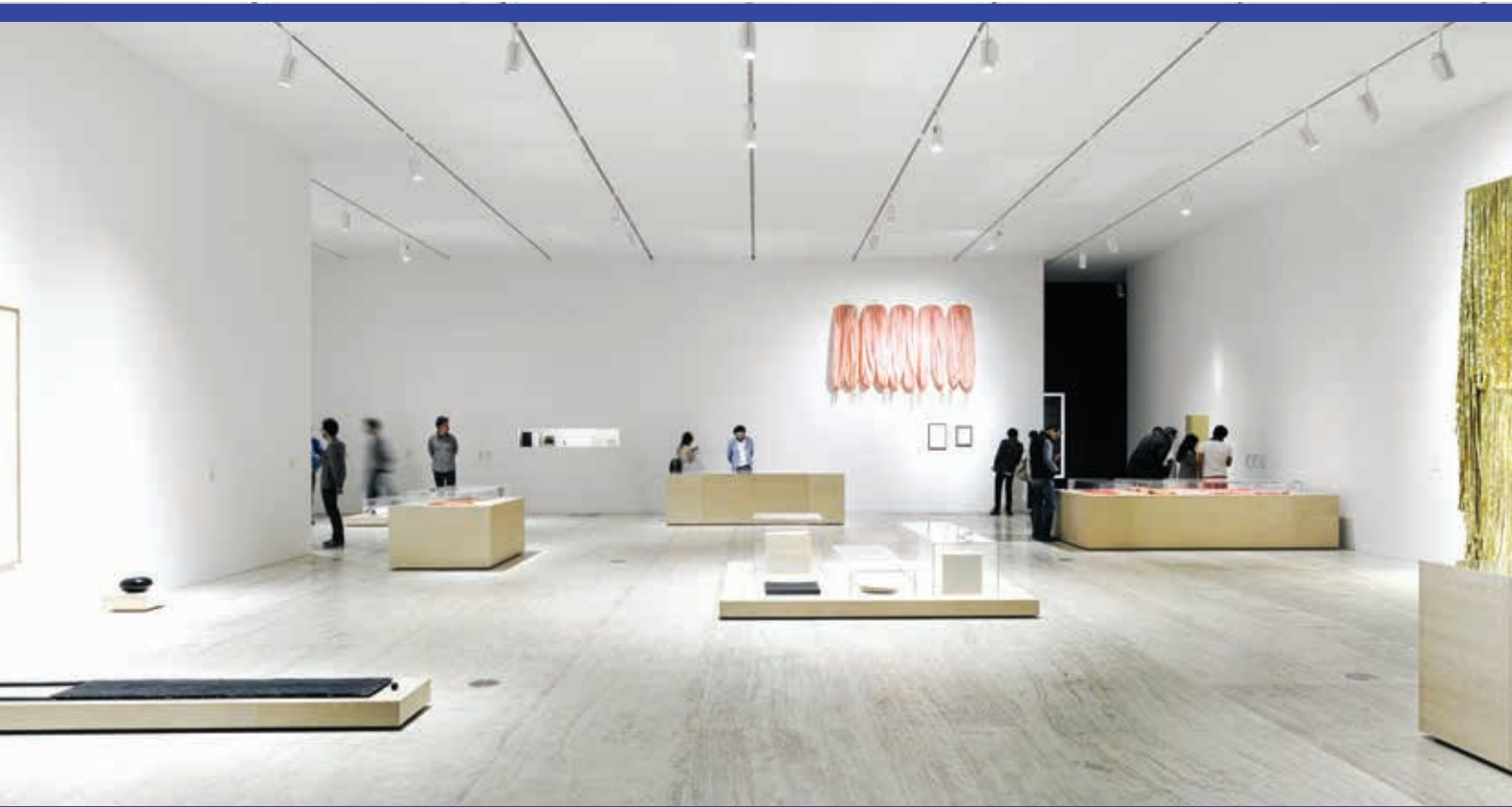
ADJUSTABLE BEAM LED TRACK SPOT

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

Φ 162mm
Φ 37mm
Φ 187mm
Φ 135mm
Φ 94mm

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

LED
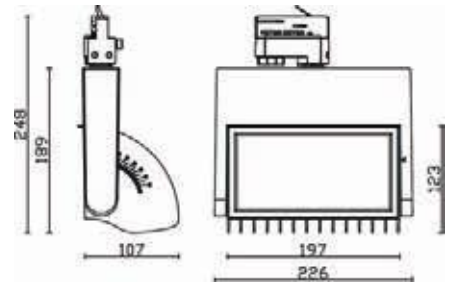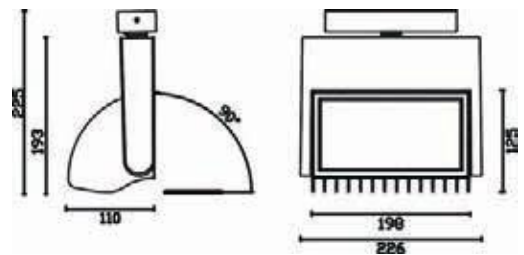
IDEAL FOR SHOPS AND SHOWROOM LIGHTING

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

LED

IDEAL FOR SHOPS AND SHOWROOM LIGHTING

MAN790
2 Wire Track Spot - White Barrel
220 - 240V AC 50Hz
4 -10W LED Lamp
GU10 Lamp Holder
Diameter: 66mm
Length: 103mm
Height: 160mm
IP20 - Interior use only

IDEAL FOR GU10 LED LAMPS

MAN791
2 Wire Track Spot - Black Barrel
220 - 240V AC 50Hz
4 -10W LED Lamp
GU10 Lamp Holder
Diameter: 66mm
Length: 103mm
Height: 160mm
IP20 - Interior use only

IDEAL FOR GU10 LED LAMPS

MAN380
Surface Spot
Material: Aluminium
Body: White with Black inner & Black Rod
Class: I
Lamp Base: GU10 Max 50W
Barrel Diameter: 70mm
Barrel Length: 110mm
Fitting Height: 105mm
IP Rating: IP20
220-240V AC , 50/60Hz

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
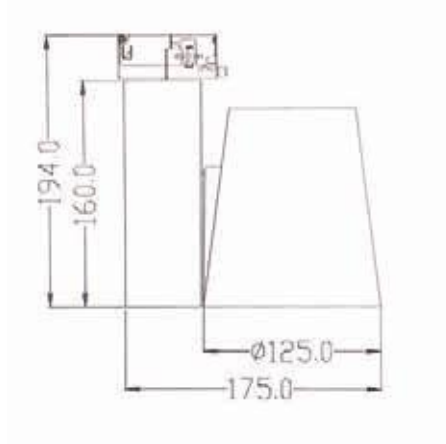
IDEAL FOR SHOPS AND SHOWROOM LIGHTING

SCL110
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

LED

IDEAL FOR SHOPS AND SHOWROOM LIGHTING

SCL130
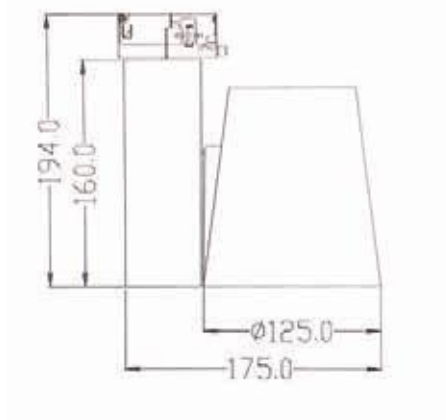## Track Spot LED 40W 4 Wire

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

LED

**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

CERTIFIED:
IEC-60598-2-1 2014

OSRAM

APPLICATIONS
• Warehouses
• Event Halls
• Industrial Areas & Workshops
• Freezer Rooms
• Showrooms

LED
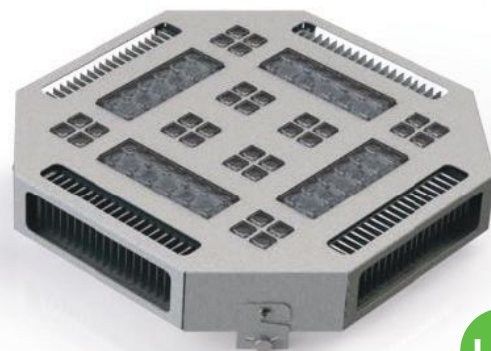
The HBX range is designed to be a powerful, yet compact, with ease of installation in mind. The standard bracket can be used for suspended and roof/wall mounting. Installation is optimised with the use of easy to open clips and no tools are required to open the driver compartment. The cable connectors 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)
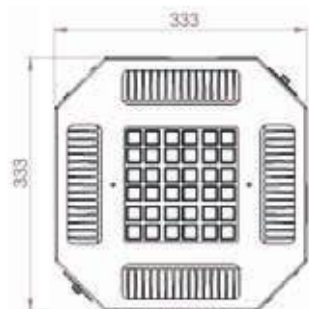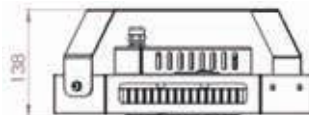Total Power Consumption: 30W - 240W
Temperature Range: -30°C to 45°C
LED Lifespan (L80B50)*****: 100 000Hrs @45°C ambient – *** Lumen depreciation not more than 20% in accordance with LM-80 - TM-21**

HOUSING DIMENSIONS
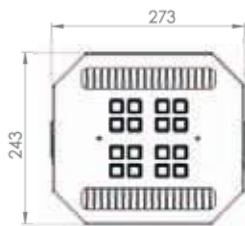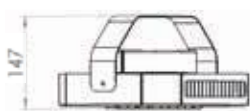
HBX-S
30w-50w

HBX-M
80w-150w
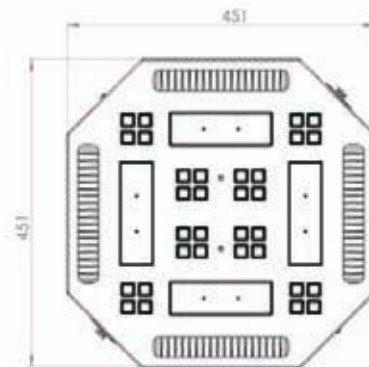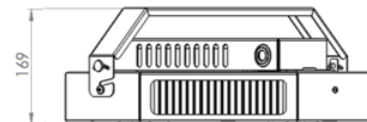
HBX-L
180w-240w

ORDERING DETAILS

The HBX range of luminaries 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 -   SS 3CR12
S -   SS316

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

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
• Medium useful life (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°

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:
• AL1070 Pure aluminium housing
• IK10 strong protection, good optical function
• Medium useful life (Lifespan): 50 000 Hours
• Operating temperature: -20-50℃
• Storage temperature: -40-60℃
• Power: 150W
• Lumen: 18 750Lm
• CCT: 4000K
• CRI: >80
• Beam Angle: 30° * 70° & 60° * 100°

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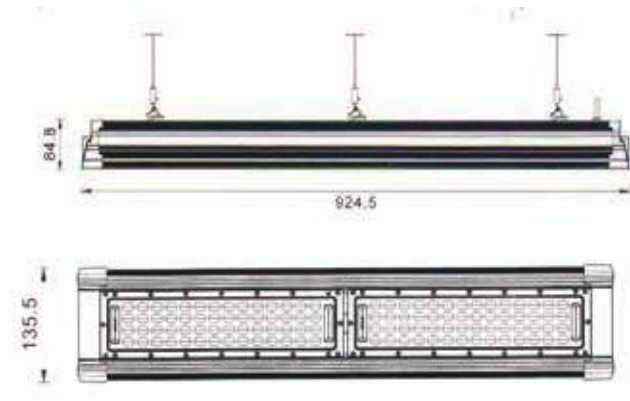• Beam Angle: 30° * 70° & 60° * 100°

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
• Medium useful life (Lifespan): 50 000 Hours
• Water Resistant: IP65
• Operating temperature: -20-50°C
• Storage temperature: -40-60°C
• Power: 80W
• Lumen: 10 000Lm
• CCT: 4000K
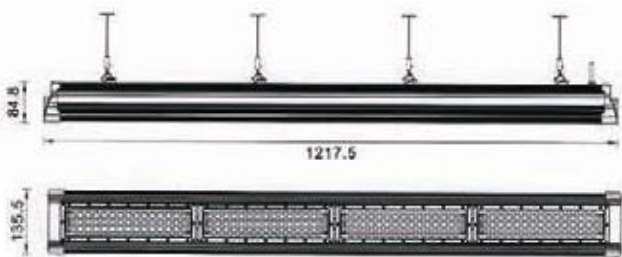• CRI: >80
• Beam Angle: 120°

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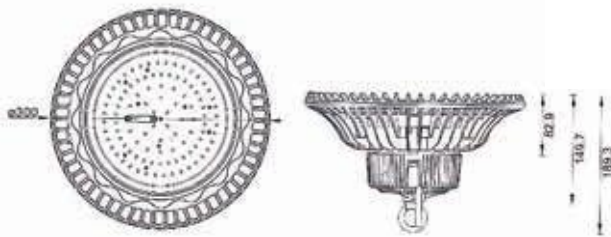• CRI: >80
• Beam Angle: 120°

88

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
• Medium useful life (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°

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
• Medium useful life (Lifespan): 50 000 Hours
• Water Resistant: IP65
• Operating temperature: -20-50°C
• Storage temperature: -40-60°C
• Power: 150W
• Lumen: 18 750Lm
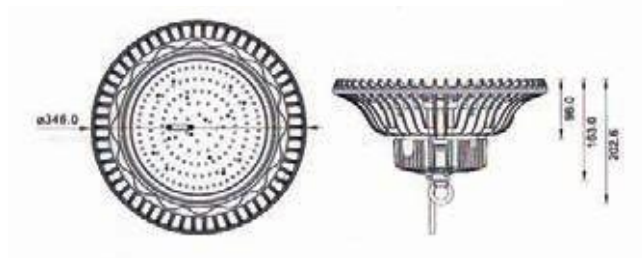• CCT: 4000K
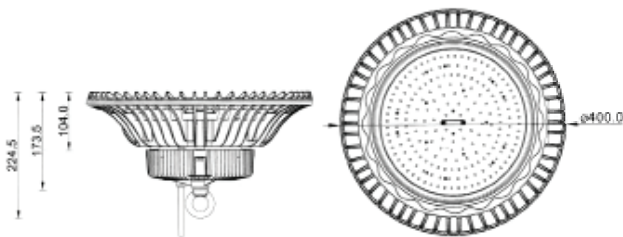• CRI: >80
• Beam Angle: 120°

90

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
• Medium useful life (Lifespan): 50 000 Hours
• Water Resistant: IP65
• Operating temperature: -20-50°C
• Storage temperature: -40-60°C
• Power: 200W
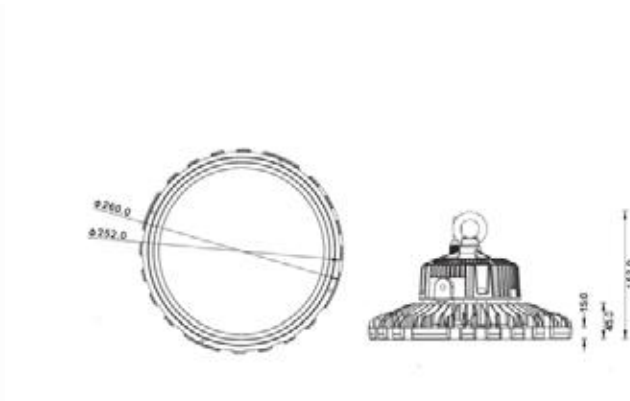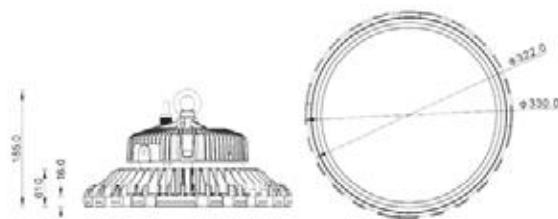• Lumen: 25 000Lm
• CCT: 4000K
• CRI: >80
• Beam Angle: 80°

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

Hibay DIM Sensor

merrytek ®

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

MC054V RC A	MC054V RC B
MC054V RC C	MC054V RC D

CE | C UL US LISTED (miscellaneous controls) E489677 | R&TTE | EN Instruction

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 interfernce.
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

A | Fast walk | Slow walk

100% | 50% | 10 8 6 4 2 2 4 6 8 10 | 100% 50% | 10 8 6 4 2 2 4 6 8 10

Mounting height:3M

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.
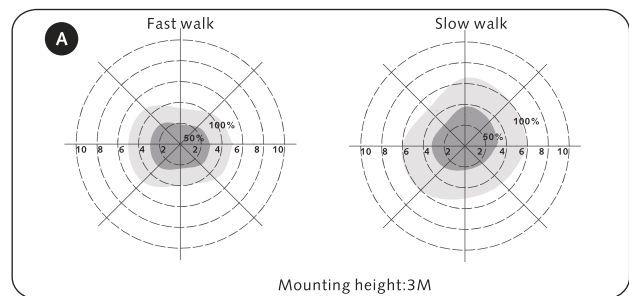• Optional mounting brackets for different application.

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℃~70℃
IP rating	IP65

SETTINGS (REMOTE CONTROL MH01)

ON/OFF	Reset	Auto Mode	DIM Test
		Quick Setting	
QS1	QS2	QS3	QS4
		Detection Area	
25%	50%	75%	100%
		Hold Time	
5s	30s	1min	3min
5min	10min	20min	30min
		Stand-by DIM Level	
10%	20%	30%	50%
		Stand-by Period	
0s	10s	1min	3min
5min	10min	30min	+∞
		Daylight Sensor	
5Lux	15Lux	30Lux	50Lux
100Lux	150Lux	Disable	Test (2s)

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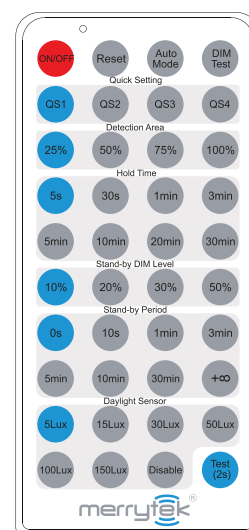
The green work light of microwave sensor will flash 3 times if set successfully by remote control.

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
• Medium useful life (Lifespan): 50 000Hr Lifespan
• 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: 30cm
• NB: No suspension wires included

Extra:
PTH012 U-Bracket

LED

171.40
52.40

AVERAGE BEAM ANGLE(50%):122.1 DEG

UNIT:cd
C0/180 120.3°
C30/210 122.4°
C60/240 122.7°
C90/270 122.9°

LUMINOUS INTENSITY DISTRIBUTION

INTENSITY (cd)

C0/180 120.3°
C30/210 122.4°
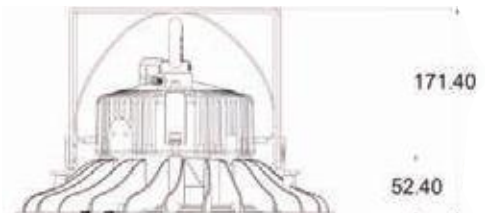C60/240 122.7°
C90/270 122.9°

ANGLE (DEG)

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
• Medium useful life (Lifespan): 50 000Hr
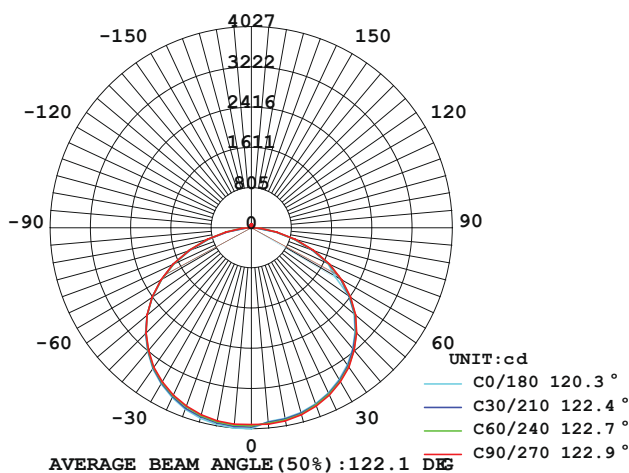• Easy installation and low maintenance

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℃ ~ 45℃
• Storage Temp: -40℃ ~ 60℃
• Lifespan: 50 000H @ 25℃
• Height: 181.50mm
• Power Cable Length: 30cm
• NB: No suspension wires included

LED
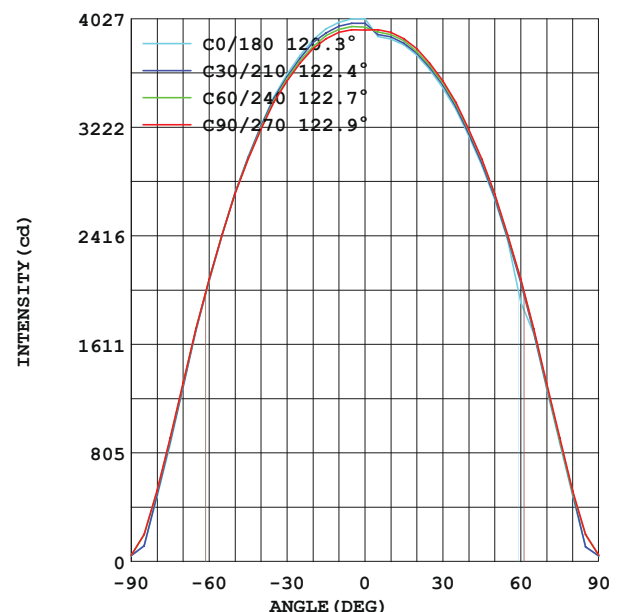
18150

5950

LUMINOUS INTENSITY DISTRIBUTION

C0/180 122.1°
C30/210 121.1°
C60/240 119.8°
C90/270 119.2°

INTENSITY (cd)

ANGLE (DEG)

UNIT:cd
C0/180 122.1°
C30/210 121.1°
C60/240 119.8°
C90/270 119.2°

AVERAGE BEAM ANGLE(50%):120.5 DEG
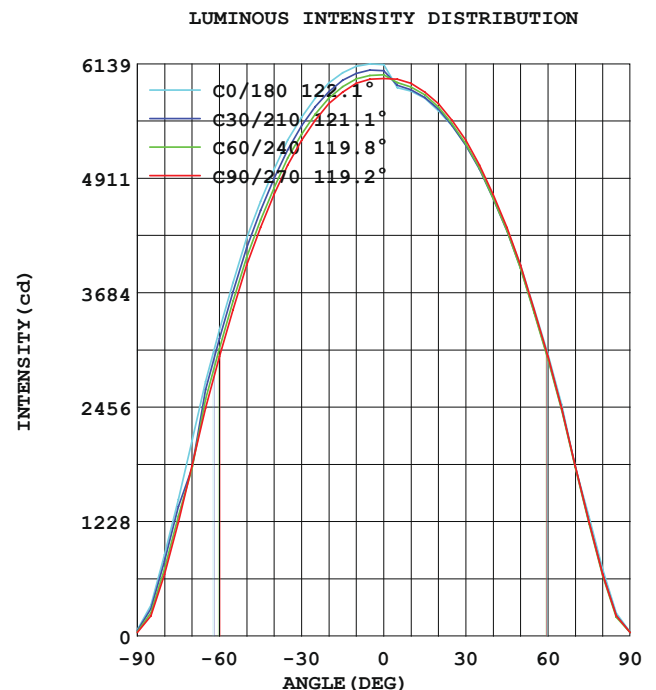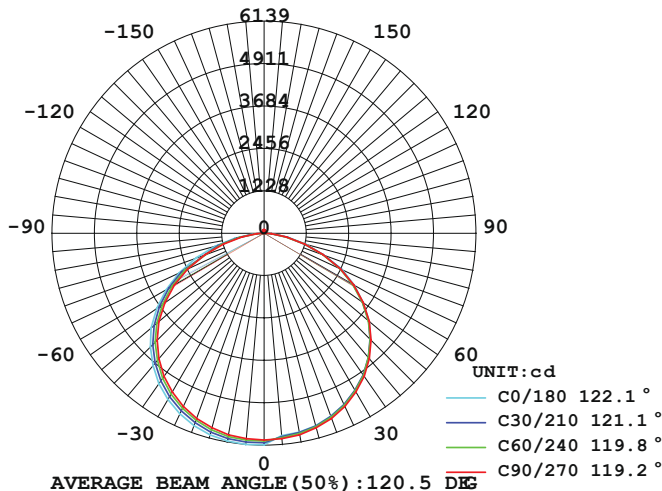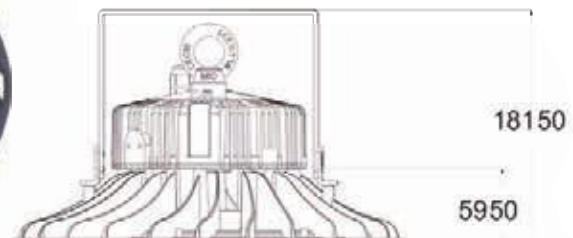
ECO LED Highbay

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℃ ~ 45℃
• Storage Temp: -40℃ ~ 60℃
• Lifespan: 50 000H @ 25℃
• Power Cable Length: 30cm
• Not Dimmable
• NB: No suspension wires included

LED

*End Caps are Black

PTH/LIN100:
Power: 100W
Beam Angles: 60x90°, 30x70°, 70x145°
Light Efficiency: 122lm/W
Luminous Flux: 12 200Lm
Colour Temp: 4000K
Medium useful life (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
Medium useful life (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
Medium useful life (Lifespan):
50 000 Hours
L: 1131 x W:134.85 x H:90mm
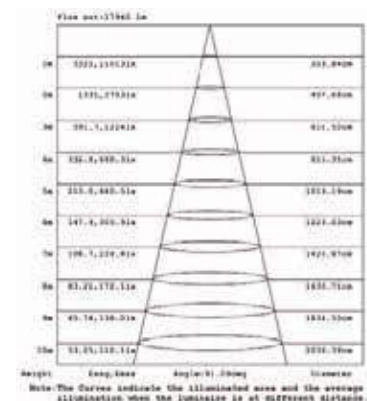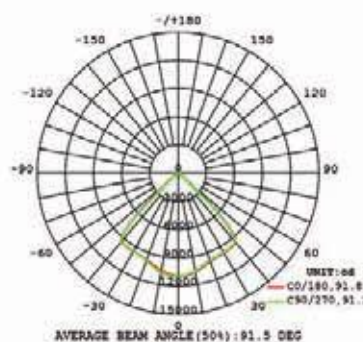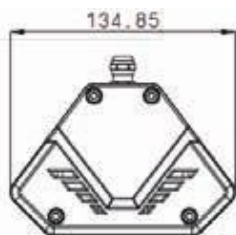
EXTRA:
PTH015/2 - 2m Suspension Cable
PTH010 - Surface Mounting Bracket

PLANT GROWTH - LED TUBE LIGHT
CLED-GLA1000W

TECHNICAL:
LED Type: SMD3030
Power: 1000W
Lumens: 72 000Lm
Input Voltage: 100-277VAC
Housing Material: Aluminium + PC
Size: 1200 x 1200 x 200mm
G.W: 30Kgs
PPFD (30cm): 1850umol/m$^{2/}$s
Illumination (30cm): 85150 lux
Power Factor: 0.95
Beam Angle: 60°/90°
Medium useful life (Lifespan): 50 000Hrs
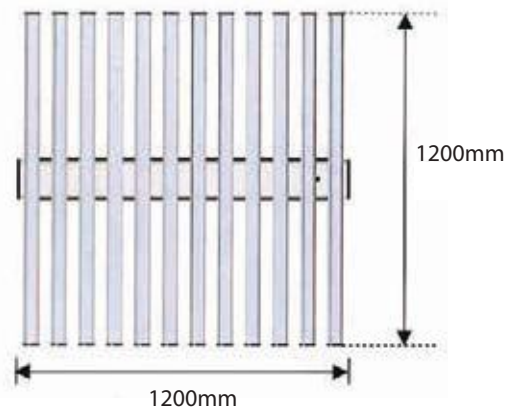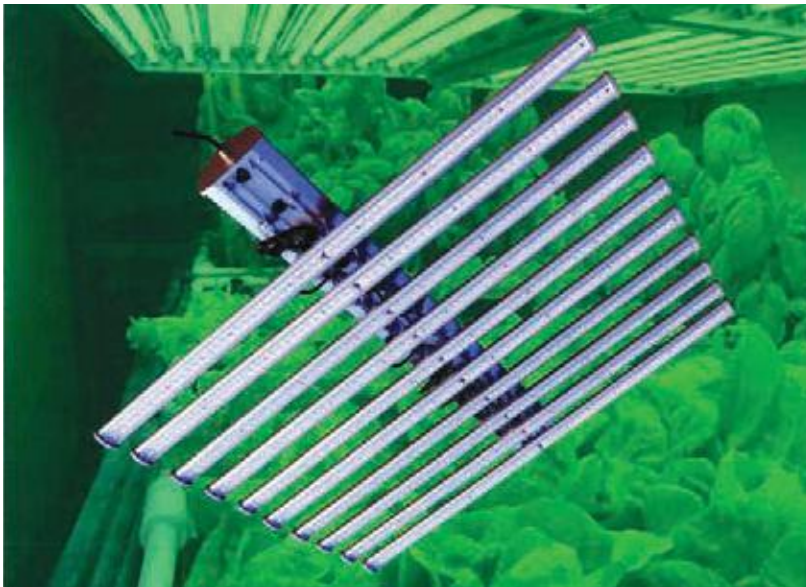
1200mm

1200mm

Values

	PPFD	(μmol/·m-2·s-1)
30(CM)	—	1100(μmol/·m-2·s-1)
60(CM)	—	846(μmol/·m-2·s-1)
90(CM)	—	642(μmol/·m-2·s-1)
120(CM)	—	408(μmol/·m-2·s-1)
150(CM)	—	223(μmol/·m-2·s-1)
180(CM)	—	100(μmol/·m-2·s-1)

600W

	LUX	(lx)
30(CM)	—	53400 (lx)
60(CM)	—	21250(lx)
90(CM)	—	13090(lx)
120(CM)	—	6675(lx)
150(CM)	—	22610lx
180(CM)	—	2225(lx)

PLANT GROWTH - LED HIGH BAY
CLED-HG100W

TECHNICAL:
LED Type: SMD3030
Power: 100W
Lumens: 6300Lm
Input Voltage: 100-277VAC
Housing Material: Aluminium + PC
Diameter: 320mm
Height: 148mm
G.W: 3.1Kgs
IP Rating: IP65
Power Factor: 0.9
Beam Angle: 60°/90°/120°
Medium useful life (Lifespan): 50 000Hrs

Values

	PPFD	(µmol/·m-2·s-1)
30(CM)		710(µmol/·m-2·s-1)
60(CM)		220(µmol/·m-2·s-1)
90(CM)		89(µmol/·m-2·s-1)
120(CM)		55(µmol/·m-2·s-1)
150(CM)		34(µmol/·m-2·s-1)
180(CM)		25µmol/·m-2·s-1)

	LUX	(lx)
30(CM)		42200(lx)
60(CM)		12900 (lx)
90(CM)		5270 (lx)
120(CM)		3300 (lx)
150(CM)		2050(lx)
180(CM)		1500(lx)

EAGLE LIGHTING

PLANT GROWTH - LED HIGH BAY
CLED-HG150W

TECHNICAL:
LED Type: SMD3030
Power: 150W
Lumens: 9450Lm
Input Voltage: 100-277VAC
Housing Material: Aluminium + PC
Diameter: 360mm
Height: 170mm
G.W: 4.15Kgs
IP Rating: IP65
Power Factor: 0.9
Beam Angle: 60°/90°/120°
Medium useful life (Lifespan): 50 000Hrs

Values

PPFD	(μmol/·m-2·s-1)		LUX	(lx)
30(CM)	710(μmol/·m-2·s-1)		30(CM)	42200(lx)
60(CM)	220(μmol/·m-2·s-1)		60(CM)	12900 (lx)
90(CM)	89(μmol/·m-2·s-1)		90(CM)	5270 (lx)
120(CM)	55(μmol/·m-2·s-1)		120(CM)	3300 (lx)
150(CM)	34(μmol/·m-2·s-1)		150(CM)	2050(lx)
180(CM)	25μmol/·m-2·s-1)		180(CM)	1500(lx)

98

PLANT GROWTH - LED HIGH BAY
CLED-HG200W

TECHNICAL:
LED Type: SMD3030
Power: 200W
Lumens: 12 600Lm
Input Voltage: 100-277VAC
Housing Material: Aluminium + PC
Diameter: 395mm
Height: 170mm
G.W: 4.5Kgs
IP Rating: IP65
Power Factor: 0.9
Beam Angle: 60°/90°/120°
Medium useful life (Lifespan): 50 000Hrs

Values

	PPFD (µmol/·m-2·s-1)		LUX (lx)	
30(CM)	710(µmol/·m-2·s-1)		30(CM)	42200(lx)
60(CM)	220(µmol/·m-2·s-1)		60(CM)	12900(lx)
90(CM)	89(µmol/·m-2·s-1)		90(CM)	5270(lx)
120(CM)	55(µmol/·m-2·s-1)		120(CM)	3300(lx)
150(CM)	34(µmol/·m-2·s-1)		150(CM)	2050(lx)
180(CM)	25µmol/·m-2·s-1)		180(CM)	1500(lx)

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

LED
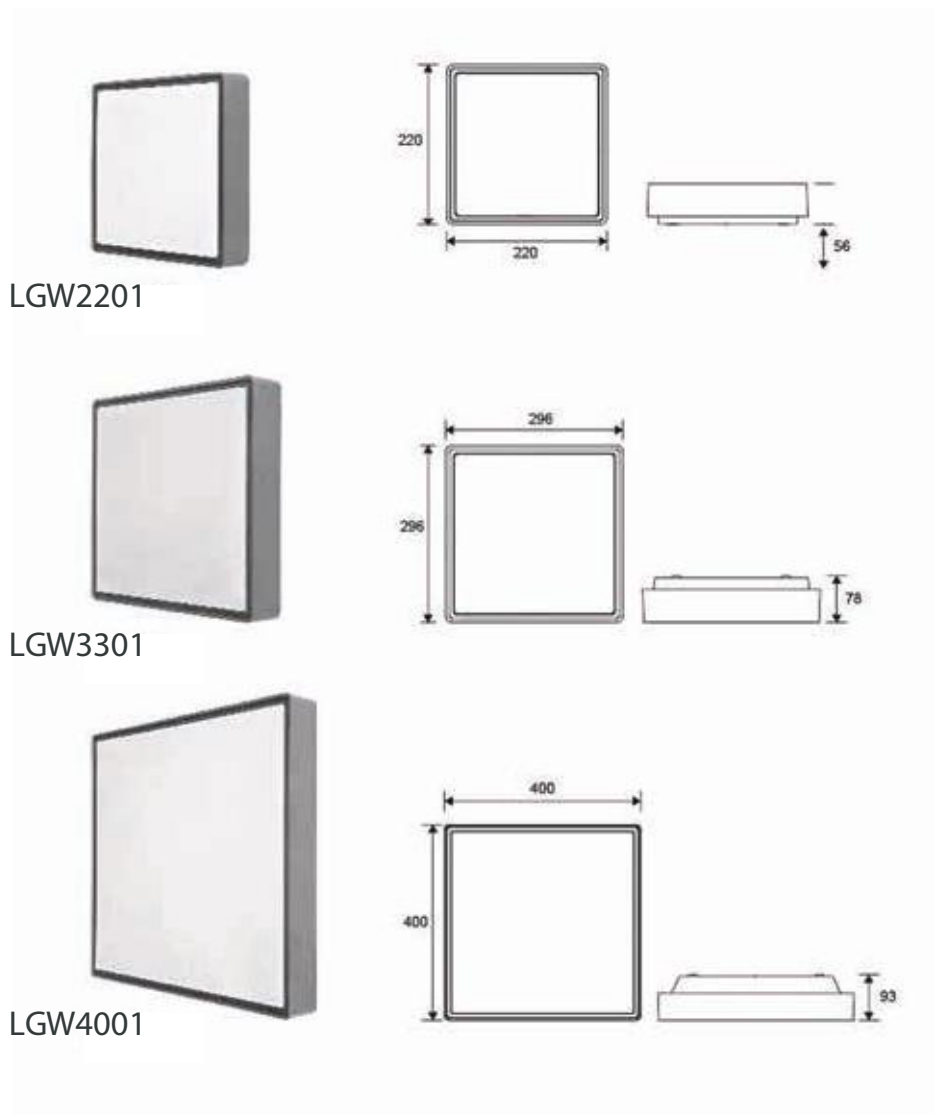
LGW2201

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

Φ320

63
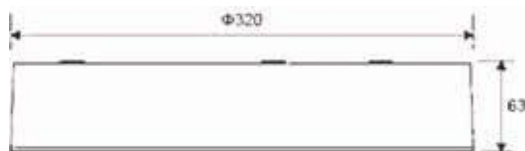
LED Indoor & Outdoor Light - Surface Mount
UV Resistant & Corrosion Proof
Colours: Grey
220-240V ~ 50Hz
CRI: >80
Material: PC + ABS & PC Diffuser
IP65
Class II
4000K

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

LGW3002

LGW3003

LGW3001

LED
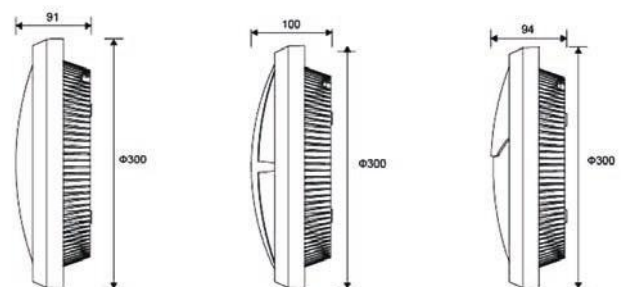
LGW5201

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

LED

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

LED
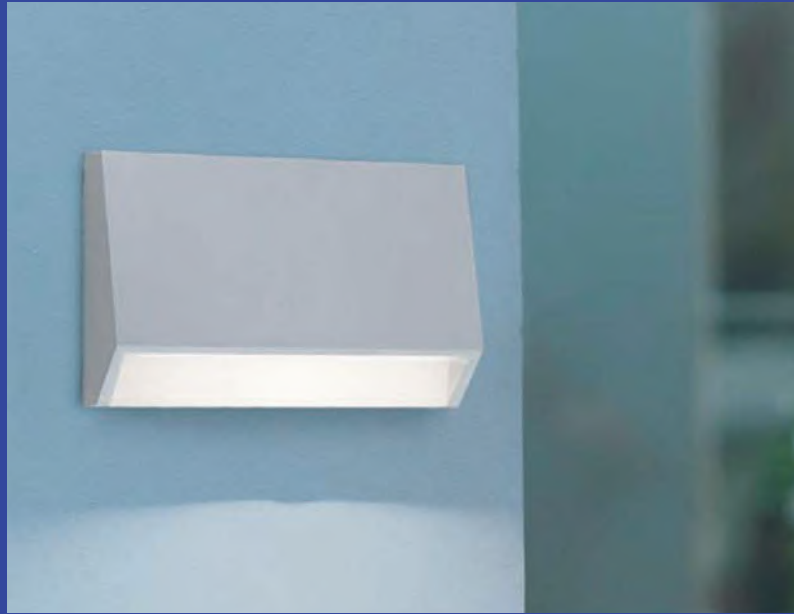
LGW7201
LED Outdoor Half Lantern
UV Resistant & Corrosion Proof
Colours: Black & White
220-240V AC ~ 50/60Hz
4000K
IP65
9W
263 x 135 x 487mm

LED

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

220mm

80mm

LED
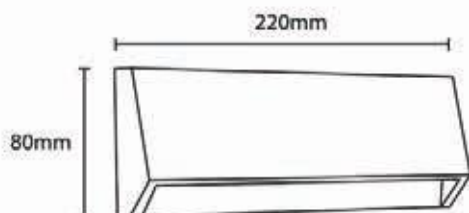
LGW2300

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

KAT186 - PLAIN
KAT187 - EYELID LED
KAT188 - GRID

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

Specifications
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
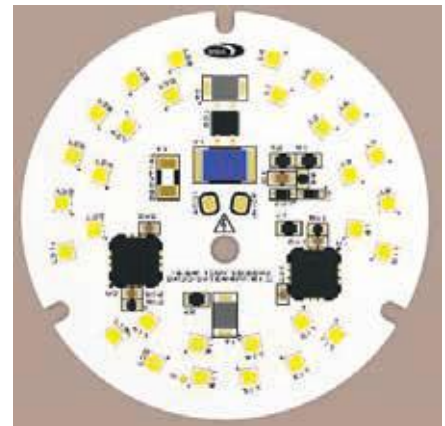
LED Module

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

107

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 avalible 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

GTL575
SURFACE MOUNT LED LUMINAIRE
4000K
15W LED
220~240V
50Hz / 60Hz
Medium useful life (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
Medium useful life (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
Medium useful life (Lifespan): 20 000Hrs
IP65
Diameter: 330mm
Height: 55mm
2050Lm
Outdoor: Ceiling mount only
Indoor: Ceiling and wall mounting

LED
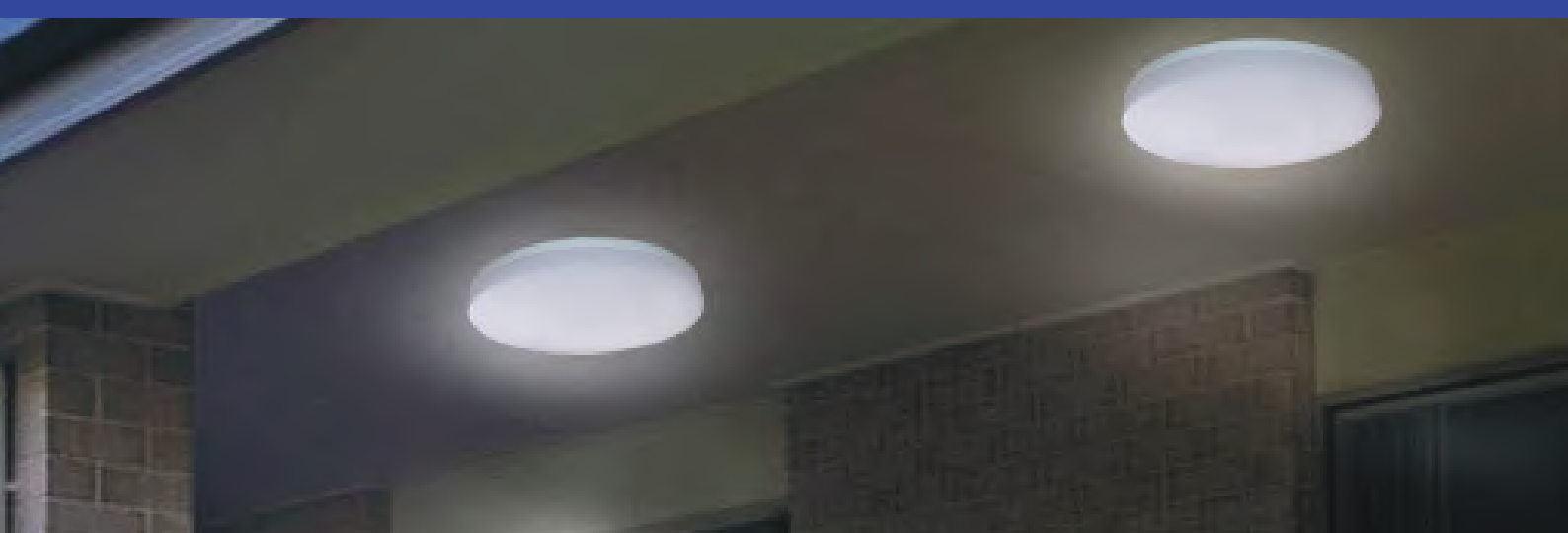
GTL578

SURFACE MOUNT LED LUMINAIRE
4000K or 3000K
15W LED
220~240V - 50Hz / 60Hz
Polycarbonate Diffuser
Medium useful life (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
Medium useful life (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
Medium useful life (Lifespan): 20 000Hrs
IP65
Diameter: 330mm
Height: 55mm
2050Lm
Outdoor: Ceiling mount only
Indoor: Ceiling and wall mounting

LED

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
• Medium useful life (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°

LED

340°rotatable bracket

3D heat dissipation

304 Screws

stainless accessories

respirator mountable

Water Resistant IP65

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
• Medium useful life (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°

LED

340°rotatable bracket   3D heat dissipation   304 Screws

stainless accessories   respirator mountable   Water Resistant IP65

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 luminaries 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) luminaries 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.
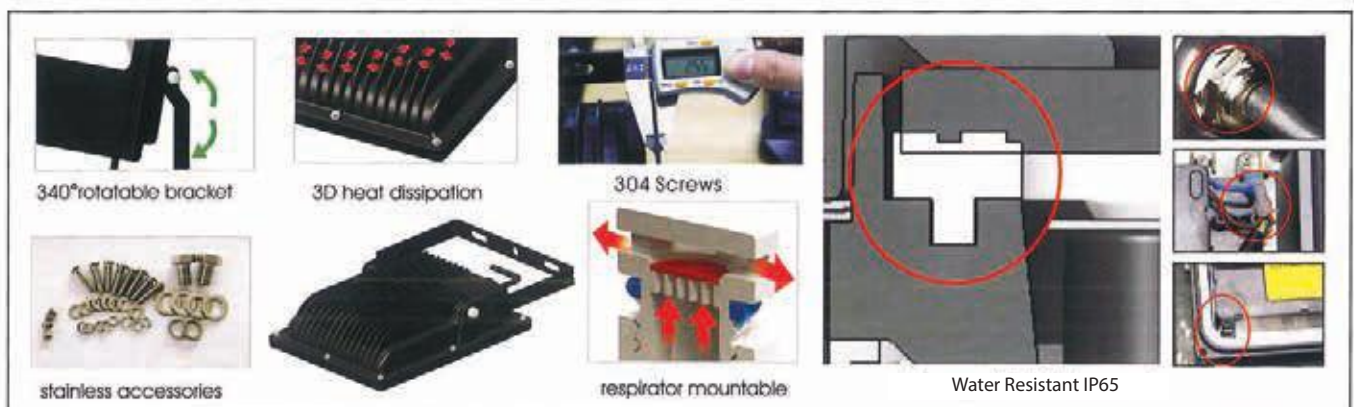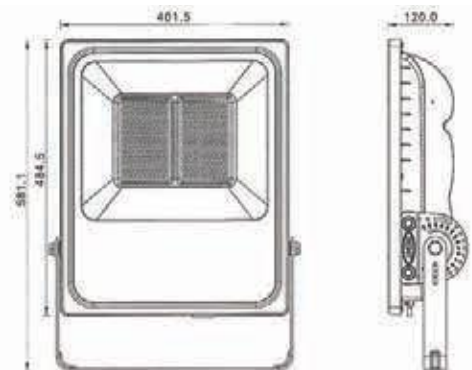
KEY ADVANTAGES
• Extremely reliable LED lamps in IP67 Compartment
• Superior quality OSRAM LED's
• Variable optics ensure units are aesthetically identical, while still optimising light distribution
• Very low maintenance
• 100% designed and manufactured in SA
• Lifespan of 80k/100k hrs, lumen depreciation 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)

LED

CERTIFIED:
IEC-60598-2-1 2014

OSRAM
LED Technology inside

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
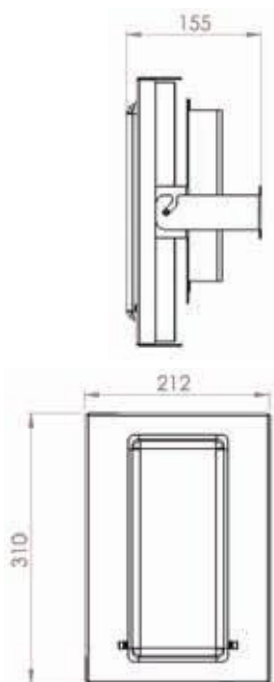
ALX-L
FLOOD 180w-240w
OPTICS 100w-240w
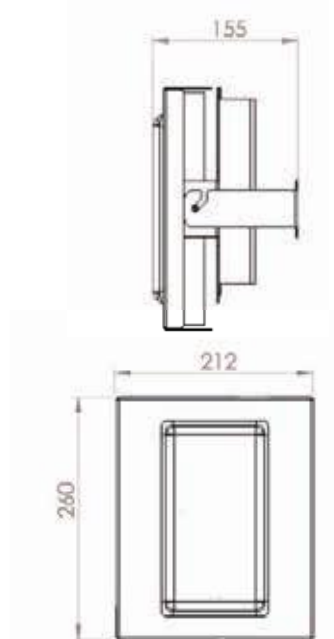
ALX-M
FLOOD 75w-150w
OPTICS 50w-75w
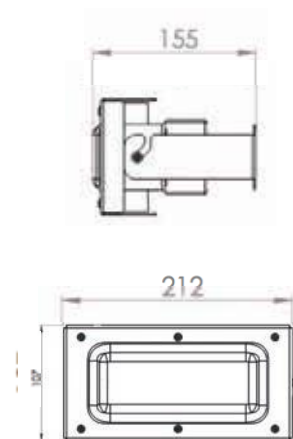
ALX-S
FLOOD 15w-60w
OPTICS 15w-40w

ORDERING DETAILS

The ALX range of luminaries 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

```
                                    chassis material
                                    optical angle
                                    colour temperature
                                    power /wattage
```

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
LED Floodlight
AC 200~260V
50/60Hz
10W - 750Lm
4000K
White

GTL441
LED Floodlight
AC 200~260V - 50/60Hz
20W - 1500Lm
4000K
White

GTL442
LED Floodlight
AC 200~260V - 50/60Hz
30W - 2250Lm
4000K
White

GTL447
LED Floodlight
AC 200~260V - 50/60Hz
20W - 1500Lm
4000K
White
Day/Night Sensor

GTL448
LED Floodlight
AC 200~260V - 50/60Hz
30W - 2250Lm
4000K
White
Day/Night Sensor

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
Luminius Efficiency: 90-110 lm/W
CCT: 4000K
IP65

ZLT305
Power: 150W
Voltage Input: AC 85-265V
Luminius Efficiency: 90-110 lm/W
CCT: 4000K
IP65

ZLT301/D
Power: 100W Dimmable with Dali Dim
Voltage Input: AC 85-265V
Luminius Efficiency: 90-110 lm/W
CCT: 4000K
IP65

LED

ZCL300
12W LED
Ceiling fitting
Acrylic PMMA diffuser and metal base
4000K Neutral white
660Lumen
Height: 95mm
Diameter: 260mm
Available in 3000K

ZCL301
18W LED
Ceiling fitting
Acrylic PMMA diffuser and metal base
4000K Neutral white
950Lumen
Height: 105mm
Diameter: 330mm
Available in 3000K

ZCL302
24W LED
Ceiling fitting
Acrylic PMMA diffuser and metal base
4000K Neutral white
1300Lumen
Height: 115mm
Diameter: 380mm
Available in 3000K

LED

SABS - GEAR CE TUV-CB Approved

ZCL304
12W LED
Ceiling fitting
Acrylic PMMA diffuser and metal base
4000K Neutral white
660Lumen
Height: 95mm
Diameter: 260mm

ZCL305
18W LED
Ceiling fitting
Acrylic PMMA diffuser and metal base
4000K Neutral white
950Lumen
Height: 105mm
Diameter: 330mm

ZCL306
24W LED
Ceiling fitting
Acrylic PMMA diffuser and metal base
4000K Neutral white
1300Lumen
Height: 115mm
Diameter: 380mm

LED

SABS - GEAR CE TUV-CB Approved

ZCL312
12W LED
Ceiling fitting
Acrylic PMMA diffuser and metal base
4000K Neutral white
660Lumen
Height: 95mm
Diameter: 260mm

ZCL313
18W LED
Ceiling fitting
Acrylic PMMA diffuser and metal base
4000K Neutral white
950Lumen
Height: 105mm
Diameter: 330mm

ZCL314
24W LED
Ceiling fitting
Acrylic PMMA diffuser and metal base
4000K Neutral white
1300Lumen
Height: 115mm
Diameter: 380mm

LED

SABS - GEAR CE TUV-CB Approved

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
• Long lifespan
• 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
• Medium useful life (Lifespan): 25 000Hrs

ZCL308/SQR
LED ceiling / wall mounted fitting - Square
4000K
Surface mount
Energy efficient
Impact resistant
Medium useful life (Lifespan): 20 000Hrs
18W
L x W: 215mm
Depth: 30mm

ZCL309/SQR
LED ceiling / wall mounted fitting - Square
4000K
Surface mount
Energy efficient
Impact resistant
Medium useful life (Lifespan): 20 000Hrs
24W
L x W: 295mm
Depth: 30mm

GPX1281
LED Round Ceiling fitting
PMMA Diffuser
12W LED
220~240V 50Hz
4000k
Medium useful life (Lifespan): 25 000Hrs
IP20
Diameter: 280mm
Depth: 95mm

GPX1351
LED Round Ceiling fitting
PMMA Diffuser
18W LED
220~240V 50Hz
4000k
Medium useful life (Lifespan): 25 000Hrs
IP20
Diameter: 350mm
Depth: 115mm

GPX1402
LED Round Ceiling fitting
PMMA Diffuser
24W LED
220~240V 50Hz
4000k
Medium useful life (Lifespan): 25 000Hrs
IP20
Diameter: 400mm
Depth: 120mm

LED
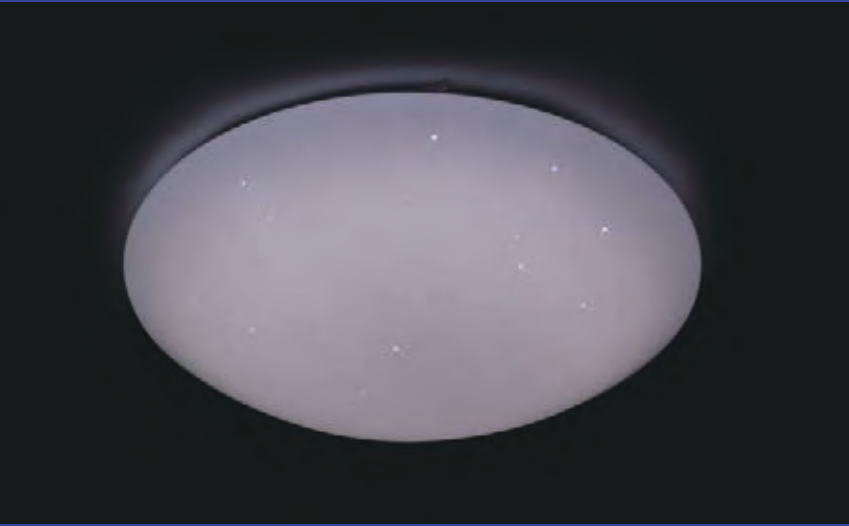
GPX1282
LED Round Ceiling fitting
PMMA Diffuser with Star Effect
12W LED
220~240V 50Hz
4000k
Medium useful life (Lifespan): 25 000Hrs
IP20
Diameter: 280mm
Depth: 95mm

GPX1352
LED Round Ceiling fitting
PMMA Diffuser with Star Effect
18W LED
220~240V 50Hz
4000k
Medium useful life (Lifespan): 25 000Hrs
IP20
Diameter: 350mm
Depth: 115mm

GPX1403
LED Round Ceiling fitting
PMMA Diffuser with Star Effect
24W LED
220~240V 50Hz
4000k
Medium useful life (Lifespan): 25 000Hrs
IP20
Diameter: 400mm
Depth: 120mm

LED

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

(Diagram: 137mm wide, 97mm high cap; 136mm top, 317mm base, 177mm high diffuser)
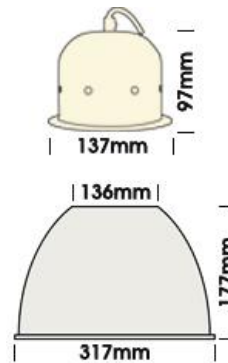
PEN1042
Acrylic Pendant Fitting
Aluminium cap
Acrylic Diffuser - 410mm
E27 / 240V

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

(Diagram: 178mm wide, 120mm high cap; 187mm top, 410mm base, 270mm high diffuser)
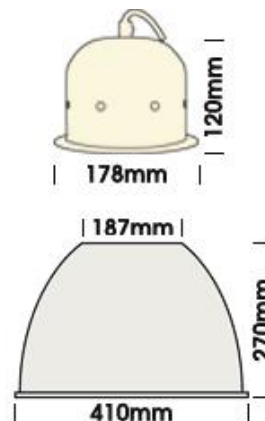
ALSO AVAILABLE:

PEN1045/25
Acrylic Pendant Fitting with white dome & aluminium cap - 100W

PEN1043
Acrylic Pendant Fitting with white dome & black aluminium cap

129

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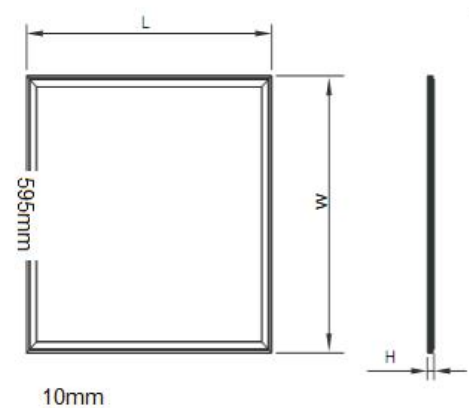
NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.

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
Medium useful life (Lifespan): 50 000Hrs
Warranty: 5 years
Beam angle: 120°
Luminous flux: 4300lm +- 10%
Colour temp: 4000K ± 275K
Ra: >80
Driver type: Constant current driver
Rated power: 40W ± 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
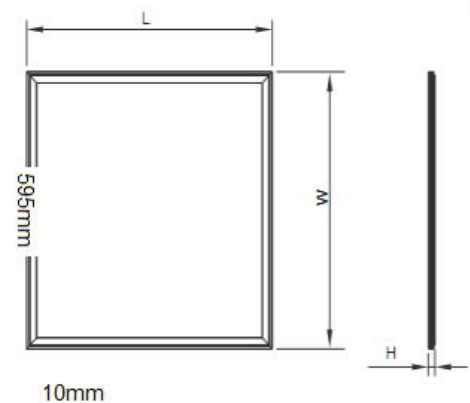
NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.

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
Medium useful life (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
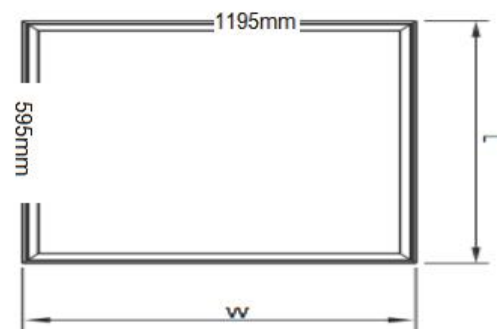
ALSO AVAILABLE: WXX545/3000K

NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.
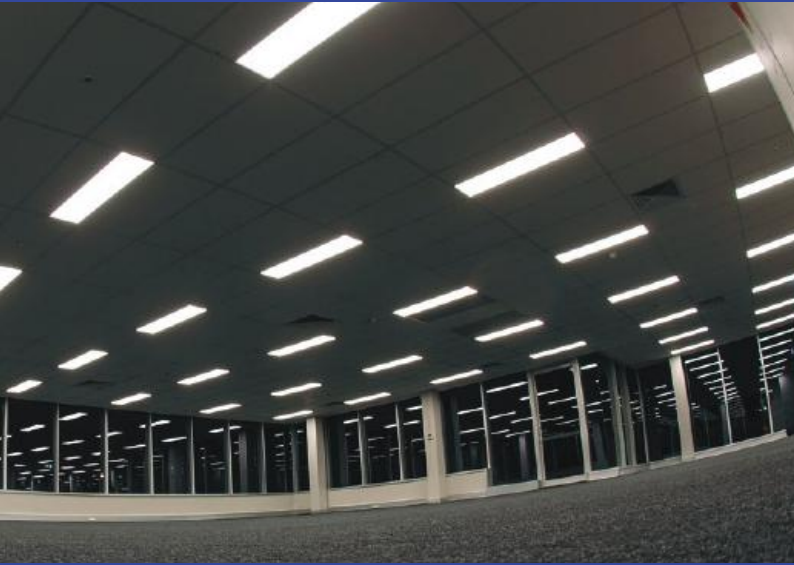
LED PANEL LIGHT - 40W

Dimmable - 1-10V

Length: 295mm
Width: 1195mm
Depth: 10mm

Material: Aluminum + PMMA + PS
Colour: White Body
IP Rating: IP20
Installation: Recessed / Suspended / Surface Mounted
Medium useful life (Lifespan): 50 000Hrs
Warranty: 5 years
Beam angle: 120°
Luminous flux: 4200lm +- 10%
Colour temp: 4000K ± 275K
Ra: >80
Driver type: Constant current driver
Rated power: 40W ± 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.

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
Medium useful life (Lifespan): 50 000Hrs
Warranty: 5 years
Beam angle: 120°
Luminous flux: 4400lm +- 10%
Colour temp: 4000K ± 275K
Ra: >80
Driver type: Constant current driver
Rated power: 40W ± 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
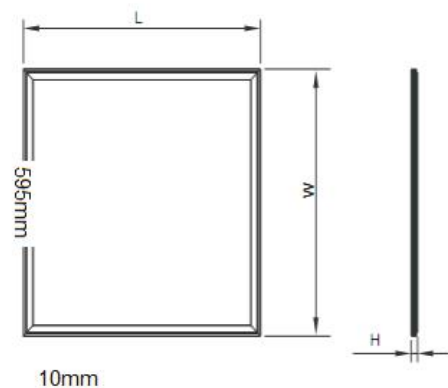
NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.

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
Medium useful life (Lifespan): 50 000Hrs
Warranty: 5 years
Beam angle: 120°
Luminous flux: 7150lm +- 10%
Colour temp: 4000K ± 275K
Ra: 80
Driver type: Constant current driver
Rated power: 60W ± 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
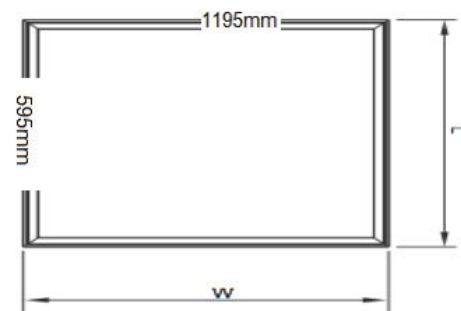
NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.

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
Medium useful life (Lifespan): 50 000Hrs
Warranty: 5 years
Beam angle: 120°
Luminous flux: 6700lm +- 10%
Colour temp: 4000K ± 275K
Ra: 80
Driver type: Constant current driver
Rated power: 60W ± 10%
Input Voltage: AC 100-240V 50Hz
Output voltage: 27-42V
Input current: 273mA(@AC220V)
Output current: 1300mA
Extras Available: WXX010 Surface Frame & WXX001 Suspension Cable

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

LED PANEL LIGHT - 60W
Non Dimmable

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

LED

Material: Aluminum + PMMA + PS
Colour: White Body
IP Rating: IP20
Installation: Recessed / Suspended / Surface Mounted
Medium useful life (Lifespan): 50 000Hrs
Warranty: 5 years
Beam angle: 120°
Luminous flux: 6700lm +- 10%
Colour temp: 4000K ± 275K
Ra: 80
Driver type: Constant current driver
Rated power: 60W ± 10%
Input Voltage: AC 100-240V 50Hz
Output voltage: 27-42V
Input current: 273mA(@AC220V)
Output current: 1300mA
Extras Available: WXX010 Surface Frame & WXX001 Suspension Cable

1195mm
595mm
w

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

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
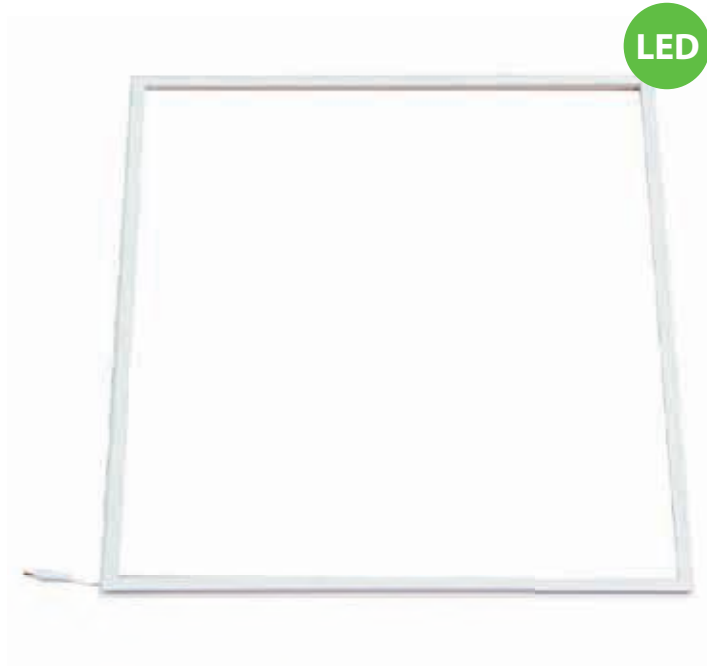
LED

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

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
Medium useful life (Lifespan): 50 000Hrs
Warranty: 5 years
Beam angle: 120°
Luminous flux: 4400lm +- 10%
Colour temp: 4000K ± 275K
Ra: >80
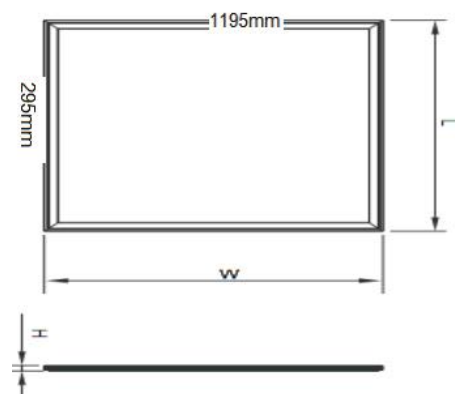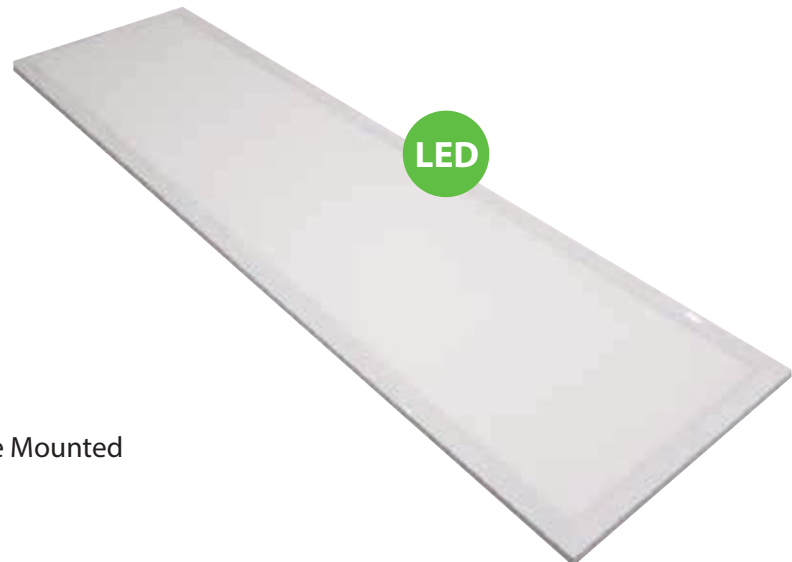Driver type: Constant current driver
Rated power: 40W ± 10%
Input Voltage: AC100-240V 50Hz
Output voltage: 27-42V
Input current: 182mA (@AC220V)
Output current: 900mA
Power Factor: >0.9
Overload Protection: Yes
Electric-shock Safeguard: Class II
Extras Available: WXX008 Surface Frame & WXX001 Suspension Cable
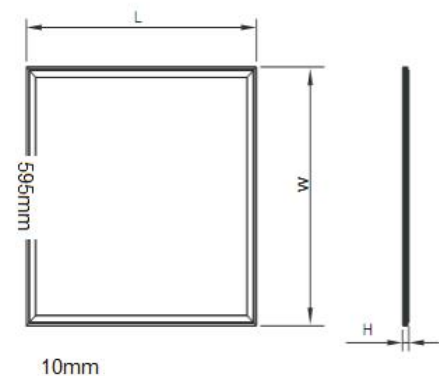
NB: All LED panels need to be protected on the primary side by circuit protection against power & voltage surges.

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.

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
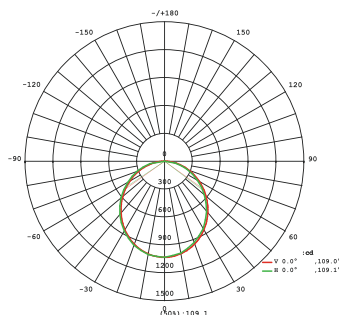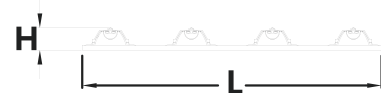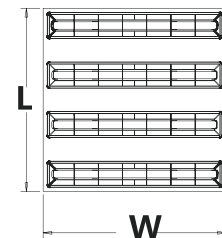
IES File available on request

Energy Efficient Lighting Solutions

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SLT100
Solar LED Wall Floodlight
Wattage: 5W
Lumens: 500Lm
Kelvin Rating: 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
Kelvin Rating: 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
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
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
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

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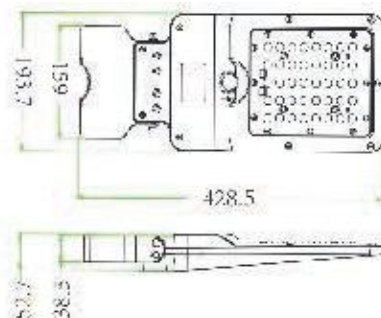
Multifunctional Solar LED Light
Cordless Solar Panel
Auto Light On/Off Motion sensor

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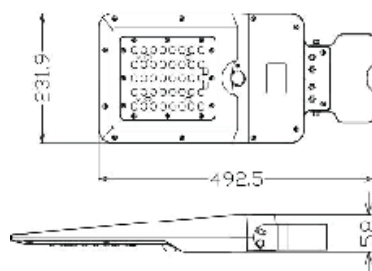
All in One Solar LED Light

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: 8 - 12m

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: 8-12m

Functions:
• Automatic light control
• Time control
• Infrared human sensor

• Street lights will turn off automatically during the day time to store solar energy.
• When movement is beyond 8 meters, the light will work at 30% of rated power.
• When movement is within 8 meters, the light will work at full power.

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

Solar Panel
Solar chip, monocrystal silicon with conversion efficiency more than 22%.

Sensor
Lamps adopt sensor dimming function.

Switch for on/off

Heat Radiator
Stretching Aluminum heat radiator.

Hoop

Lens
110°*50° and 135°*65° beam angles available.
Type I lighting distribution more than 93%, IP65 dustproof & waterproof.

M10 / M8 Screws
Adopts M10 / M8 theft-resistant screw, add elastic pad and flat gasket, must use special board to open.

Support Frame

Battery

LED Chip

Solar Panel

Sensor

Controller

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
• Medium useful life (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
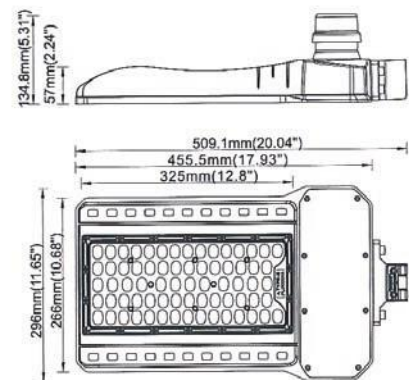
SLIP FITTER

STREET ARM

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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

In Partnership with:

provisual

LED Light for you
powered by OSRAM
CERTIFIED PARTNER

CERTIFIED:
IEC-60598-2-1 2014

OSRAM
LED Technology Inventor
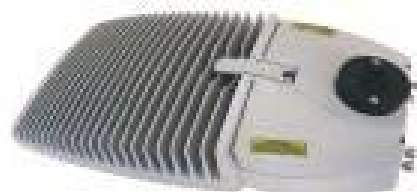
The SLX range is designed to be powerful, yet compact, with ease of installation in mind. The standard adaptor options allow for mounting onto existing 32mm-50mm, 42mm-76mm, 76mm-94mm spigots, with levelling options. Wall mount and options also available. Installation is optimised with the use of easy 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	90mm / 2.3kg	460mm / 190mm	9W - 54W
SLX - M	105mm / 6.2kg	530mm / 255mm	27W - 108W
SLX - L	110mm / 11kg	810mm / 350mm	54W - 194W
SLX - L - HD	110mm / 11kg	810mm / 350mm	107W - 295W

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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-HD-207 *	207	0,500	128	29706
SLX-L-HD-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

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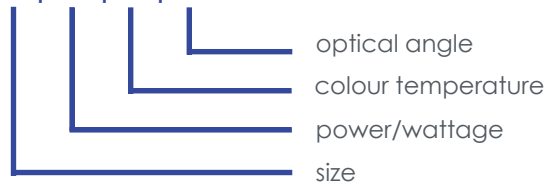
model / wattage	colour temperature	optics	additional options
select from table above	30 - 3000˚K 40 - 4000˚K 50 - 5000˚K 57 - 5700˚K	S1 - Standard Major Road S2 - S16 (see table below)	12V - 12V option 24V - 24V option DN - day/night included 20KV - 20kV protection IK10 - PC cover

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 unto 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   ~25 Ambient

L90B50 (>100khrs)
L70B50 (>100khrs)

Condition: Ts = 65°C, If = 1A, B50   ~35 Ambient

L90B50 (>100khrs)
L70B50 (>100khrs)

Condition: Ts = 85°C, If = 1A, B50   ~45 Ambient

L90B50 (>=100khrs)
L70B50 (>100khrs)

Condition: Ts = 105°C, If = 1A, B50   ~55 Ambient

L90B50 (~30khrs)
L70B50 (>100khrs)

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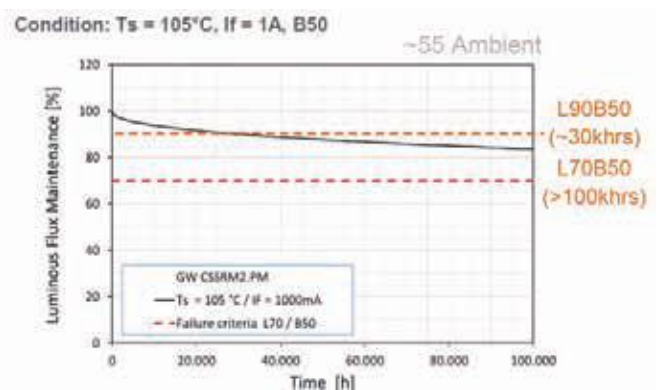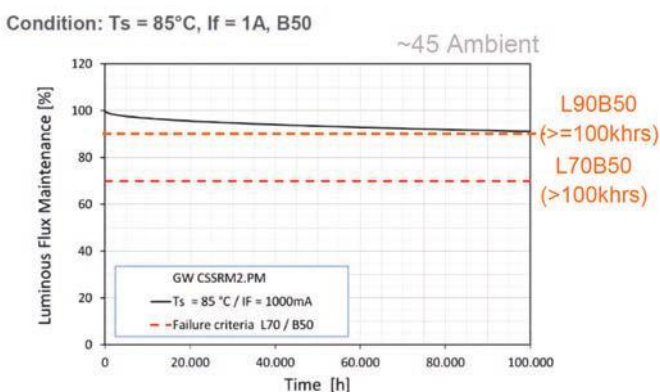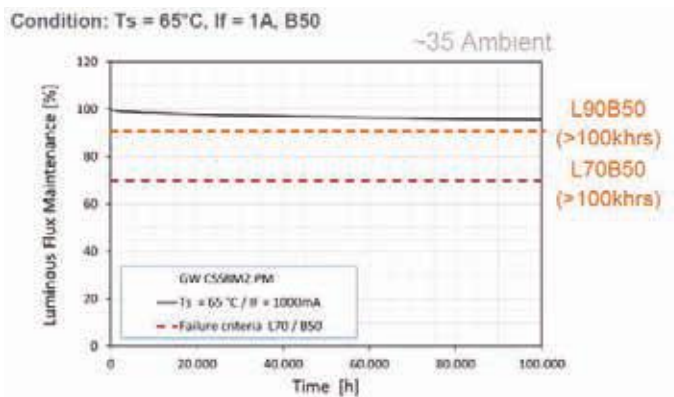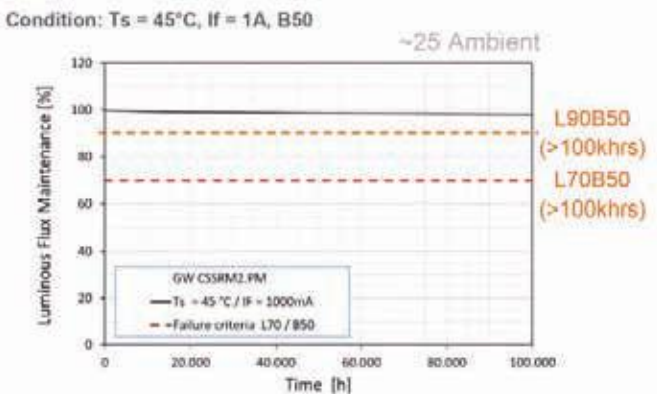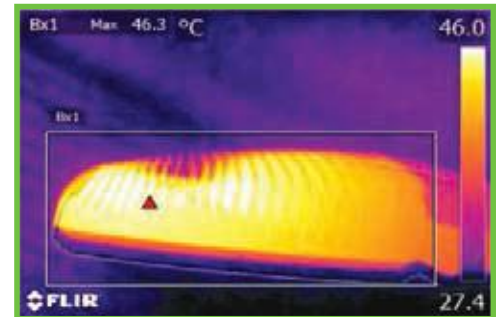
GTL511/1200/4000K

LED Corrosion Proof Fitting
Voltage: 220V
Wattage: 36W
Lumen: 3000Lm
Colour Temp: 4000K
IP Rating: IP65
Medium useful life (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
Medium useful life (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

86mm

66mm

1180mm
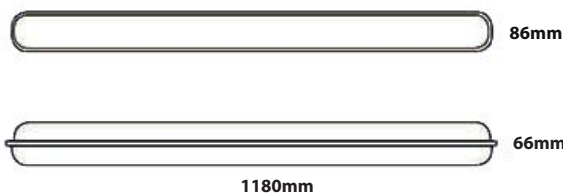
LED

GTL512

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

86mm

72mm

1480mm

LED

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GTL513

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

86mm

72mm

1480mm

LED
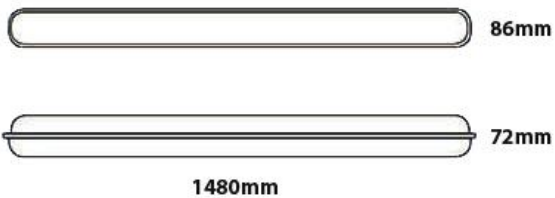
GTL514
GTL514/04 - Black Body

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
· Medium useful life (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
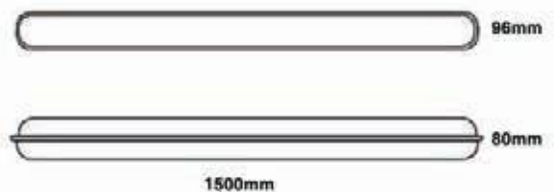
Basic Accessories

GTL525
30W Vapour Proof LED

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

IP Rating: IP65
Impact Protection: IK08
Voltage: 220-240V
Rated Input Power: 30W
240mA
Driver Efficiency: 91%
System Power Factor: >0.9
THD: <25%
Colour Temperature: 4000K
Luminous Flux: 5400Lm
CRI: >80
Rated Luminaire efficacy: 150Lm/W
Medium useful life (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

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GTL526
48W Vapour Proof LED

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

IP Rating: IP65
Impact Protection: IK08
Voltage: 220-240V
Rated Input Power: 48W
360mA
Driver Efficiency: 92%
System Power Factor: >0.9
THD: <25%
Colour Temperature: 4000K
Luminous Flux: 7200Lm
CRI: >80
Rated Luminaire efficacy: 150Lm/W
Medium useful life (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

HD02S-6 1
Rod antenna,DIP switch

HD02S-6 1 DIP switches on front

Microwave Sensor Code: GTL092

N L

LED Driver

Wiring diagram

125.8
113.2
19.3
10.8
32
3.5

12.8
21.6
27.6

Unit:mm

RoHS COMPLIANT CE
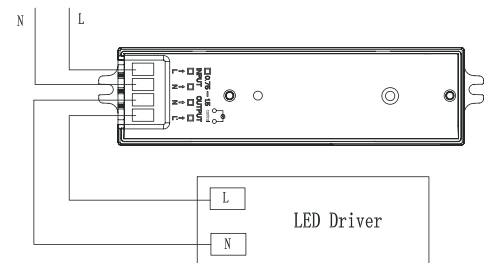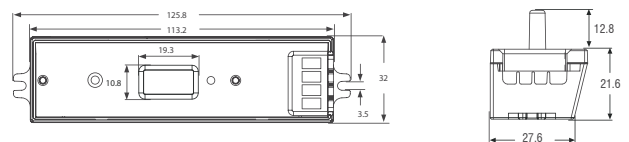
On/off control   Daylight sensor

warranty
5 years

Detection area

Hold time

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	5.8GHzt±75MHz
Microwave power	<0.3mW
Interfaces	4-pole pluggable clamp terminal(L,N,N,L')for 1.5mm² 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

Ceiling Mounted

Mounting height

Wall Mounted

Mounting height

Well covered

Covered

03 | Settings

● Switch UP
○ Switch DOWN

●	●	100%
○	●	75%
●	○	50%
○	○	10%

●	●	5s
○	●	90s
●	○	5min
○	○	15min

●	●	Disable
○	●	50lux
●	○	10lux
○	○	2lux
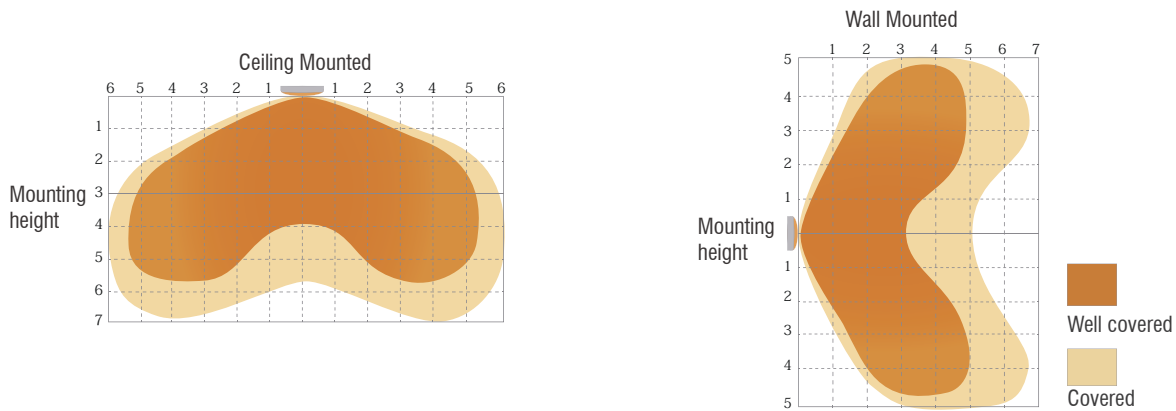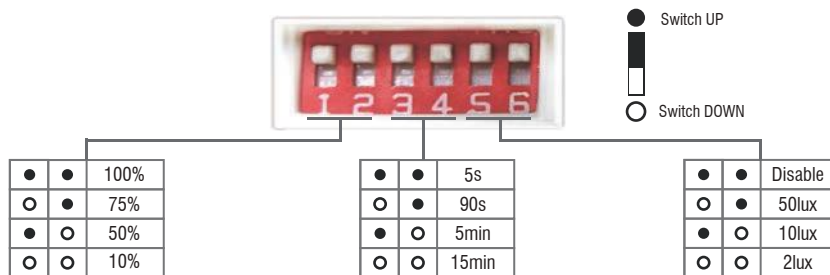
Detection area

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

Hold-time

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

Daylight threshold

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

04 | Application | Function Demo-On/off control
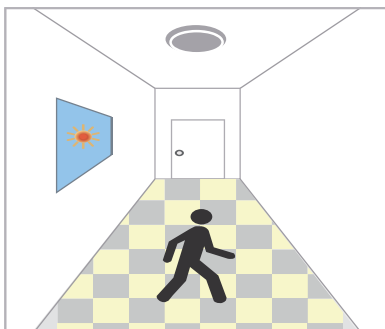
With sufficient daylight, even when motion detected, light remains OFF.

With insufficient daylight, when motion detected, light ON.
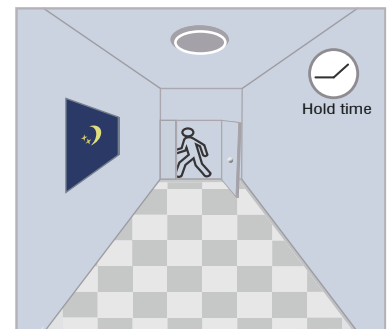
Hold time

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

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Super-compact Version
On/off Control

Model: HC005S

Labels (diagram)
- Daylight sensor
- LED indication
- Antenna module
- Detection area
- Hold-time
- Daylight threshold
- Power supply
- 220-240V out control

Dimensions: 65, 71.7, 80.5, 36.5, 4.2, 26
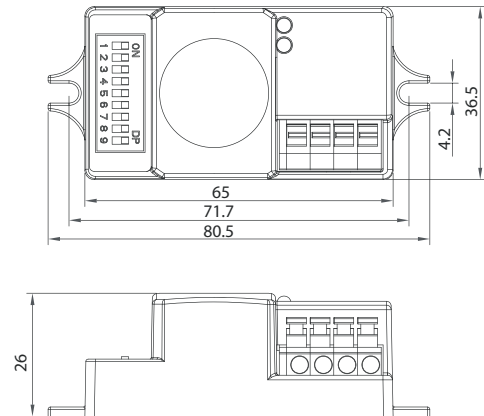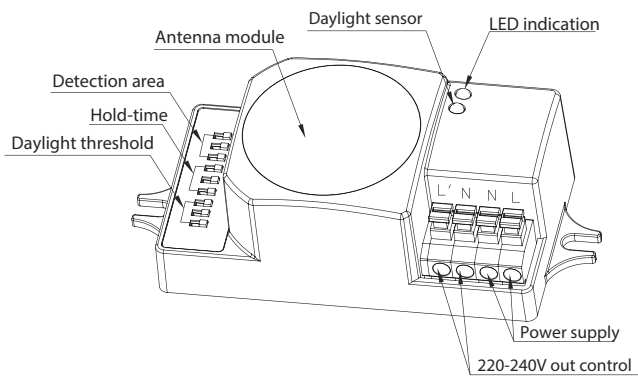
The smallest HF motion sensor on the planet, worldwide patented.

- ze rel / ro−cross ay operation
- sensorDIM™
- Loop in / Loop out
- Detection Pattern
- Hold-time 5s~30min
- 2~50Lux
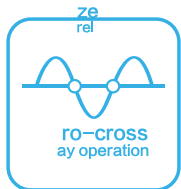
1
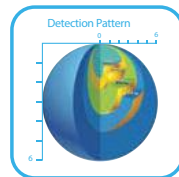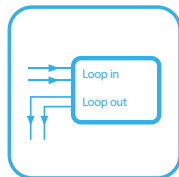
Functions and Options

On-off Control

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

With sufficient natural light, the light does not switch on when presence detected.
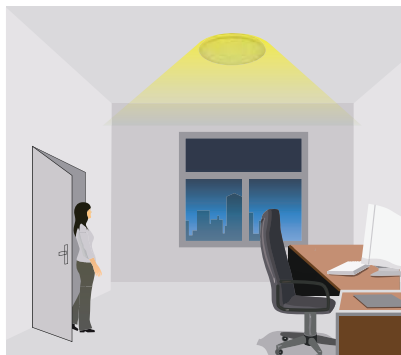
With insufficient natural light, the sensor switches on the light automatically when person enters the room.
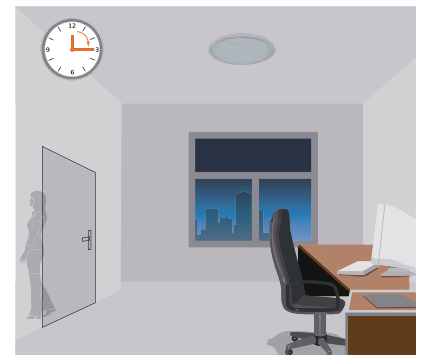
The sensor switches off the light automatically after the hold-time when there is no motion detected.

Wiring Diagram
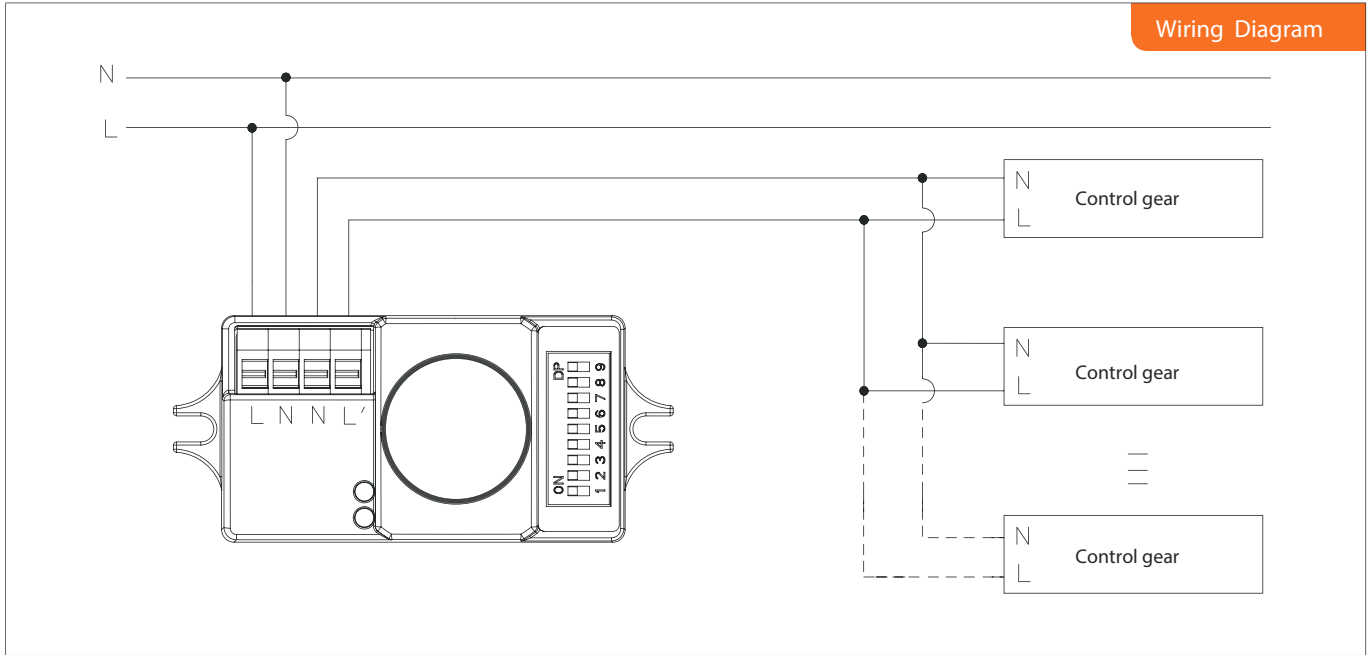
2   Tri-level dimming control

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

Wiring Diagram
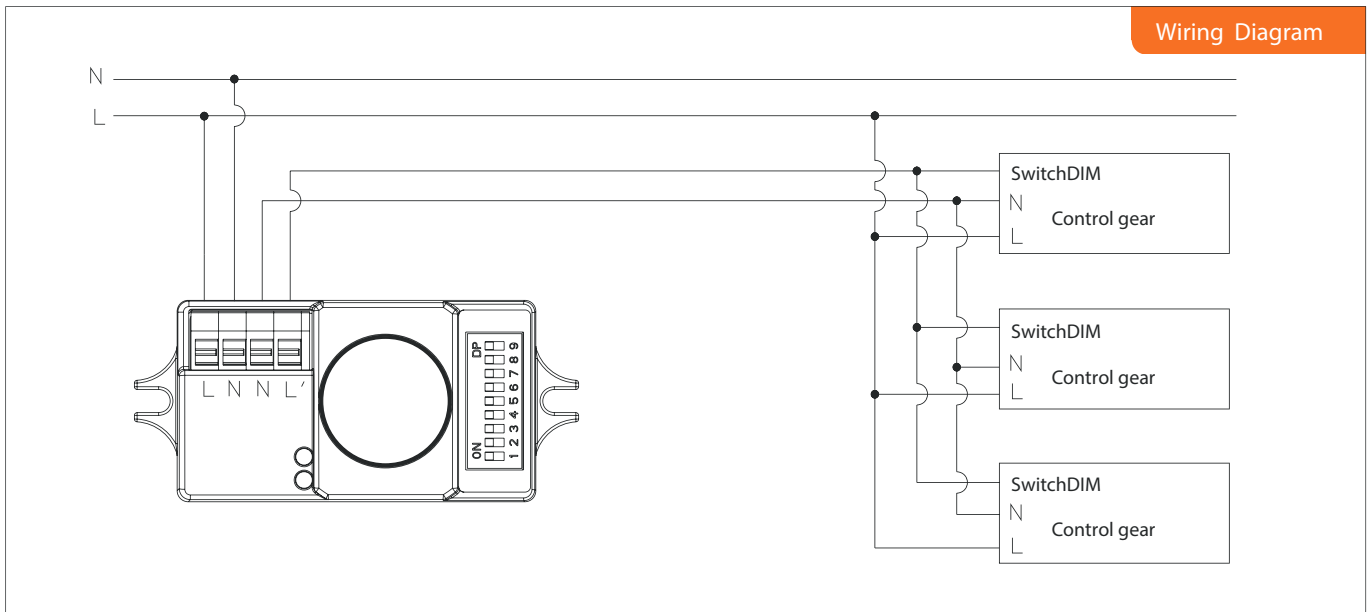
3   Zero-cross relay operation

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

zero-cross point

Alternating current
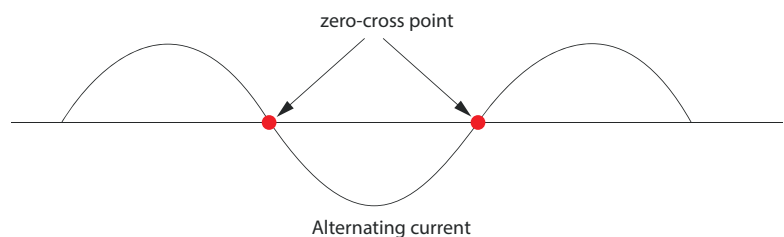
4   Loop-in and loop-out terminal

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

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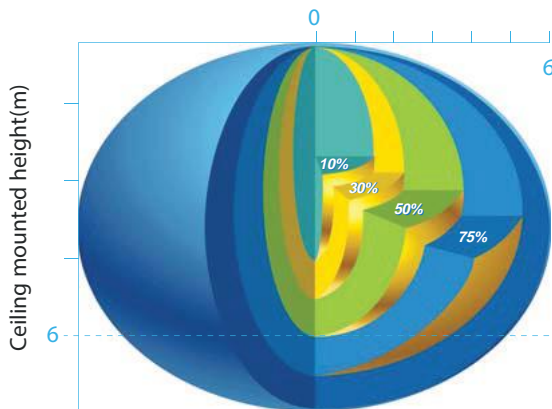
Detection Pattern

Ceiling mounted detection pattern (m)
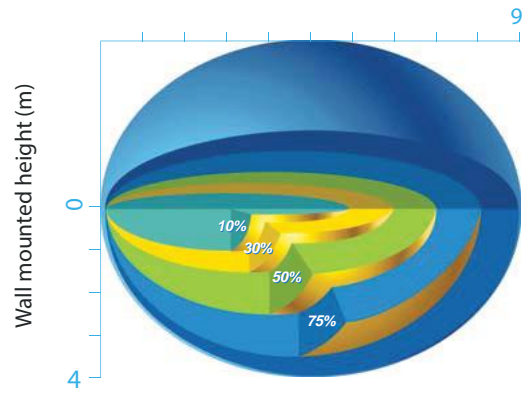
Wall mounted detection pattern (m)

Settings

❶ 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%

❷ 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

❸ 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	○	○	○	2ux

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
Warmming-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
Medium useful life (Lifespan): 30 000Hrs
Length: 1285mm
Width: 66.5mm
Height: 63mm
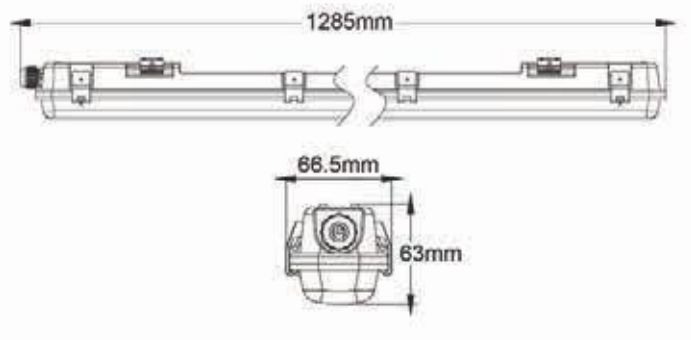
GTL505

FEATURES:
• Protection Class I
• IP20
• Usage: Indoor
• Body & Diffuser: PC
• Working Temperature: -20~40°C
• Colour Rendering Index: >80
• Medium useful life (Lifespan):
50 000Hrs
• Input Voltage: 220-240V ~
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
• Medium useful life (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
• Medium useful life (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

CB C€ ERP

GTL509
LED Slimline Batten Fitting

FEATURES:
• Protection Class I
• IP20
• Usage: Indoor
• Body: Aluminium
• Working Temperature: -20~40°C
• Power Factor: >0.9
• Medium useful life (Lifespan): 50 000Hrs
• Input Voltage: 220-240V ~ 50/60Hz
• Wattage: 16W LED
• Lumen: 1400Lm
• Colour Temperature: 4000K

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
• Medium useful life (Lifespan): 50 000Hrs
• Input Voltage: 220-240V ~ 50/60Hz
• Wattage: 32W LED
• Lumen: 2800Lm
• Colour Temperature: 4000K

DIMENSIONS:
• Length: 1200mm
• Width: 74mm
• Height: 26mm

LED

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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

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

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

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

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
• Medium useful life (Lifespan): 50 000Hrs
• Operating Temperature: -20-50℃
• Storage Temperature: -40-60℃
• Power: 80W
• Lumen: 115Lm/w
• CCT: 4000K
• CRI: >80
• Weight: 3.67kg
• Beam: 120°
• Width: 320mm
• Height: 225mm
• Depth: 126.8mm

168
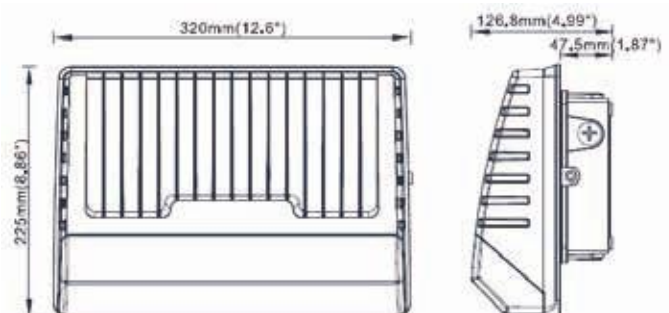
ULTRA LOW GLARE HEATER
TEC002 - 2000W

FEATURES:
• Grey mild steel Infrared radiant heater
• Ultra Low Glare lamp – 60% Less glare
• Warms people and the environment. Delivers sunshine indoors
• Modern Design
• 80% more economical than gas
• No Gas burning smell
• Adjustable lever
• 5000-8000 hour lamp life
• 2000W lamp
• Aesthetically pleasing – Suitable for indoor and outdoor heating (under cover)
• Significant cost saving
• Clean and odourless
• Comfortable direction flow
• Maintenance free
• Easy installation Specifications

HEATING AREA GUIDE:
• Insulated areas: 12m^2
• Uninsulated areas: 8m^2
• Open draughty areas: 6m^2

IDEAL FOR:
• Restaurants & coffee bars
• Entertainment area
• Indoor Building
• Homes
• Office Blocks
• Lecture Rooms

ULTRA LOW GLARE HEATER
TEC003 - 1500W

FEATURES:
• Grey mild steel Infrared radiant heater
• Ultra Low Glare lamp – 60% Less glare
• Warms people and the environment. Delivers sunshine indoors
• Modern Design
• 80% more economical than gas
• No Gas burning smell
• Adjustable lever
• 5000-8000 hour lamp life
• 1500W lamp
• Aesthetically pleasing – Suitable for indoor and outdoor heating (under cover)
• Significant cost saving
• Clean and odourless
• Comfortable direction flow
• Maintenance free
• Easy installation Specifications

HEATING AREA GUIDE:
• Insulated areas: 12m^2
• Uninsulated areas: 8m^2
• Open draughty areas: 6m^2

IDEAL FOR:
• Restaurants & coffee bars
• Entertainment area
• Indoor Building
• Homes
• Office Blocks
• Lecture Rooms

LOW GLARE STAINLESS STEEL HEATER
TEC004 - 1500W

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

HEATING AREA GUIDE:
• Insulated areas: 16m^2
• Uninsulated areas: 12m^2
• Open draughty areas: 8m^2

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 certied
• Adjustable handle
• Plug-in system
• Consumes only 3.86 amps
• Wall-mounted
• Direct zone heating
• Low glare
• Splash proof
• Easy directional heat control
• Easy to install
• Highly cost effective
• Recommended by Eskom as the most cost effective method of heating
• Size: L: 305mm; H: 100mm; W: 75mm

HEATING AREA GUIDE:
• Insulated areas: 6m^2
• Uninsulated areas: 4m^2

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

MEAN WELL

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℃
  - 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

- **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-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℃ through 70℃ under air convection without a fan. Delivering an extremely low no load power consumption (less than 0.2W), it allows the end system to easily meet the worldwide energy requirement. LRS-35 has the complete protection functions and 5G anti-vibration capability; it is complied with the international safety regulations such as TUV EN60950-1, EN60335-1, EN61558-1/-2-16, UL60950-1 and GB4943. LRS-35 series serves as a high price-to-performance power supply solution for various industrial applications.

- **Model Encoding**

  LRS - 35 - 5

  Output voltage
  Output wattage
  Series name

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SPECIFICATION

MODEL		MW-LRS-35-12	MW-LRS-35-24				
OUTPUT	DC VOLTAGE	12V	24V				
	RATED CURRENT	3A	1.5A				
	CURRENT RANGE	0 ~ 3A	0 ~ 1.5A				
	RATED POWER	36W	36W				
	RIPPLE & NOISE (max.) Note.2	120mVp-p	150mVp-p				
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V				
	VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%				
	LINE REGULATION Note.4	± 0.5%	± 0.5%				
	LOAD REGULATION Note.5	± 0.5%	± 0.5%				
	SETUP, RISE TIME	1000ms, 30ms/230VAC 2000ms,30ms/115VAC at full load					
	HOLD UP TIME (Typ.)	30ms/230VAC 12ms/115VAC at full load					
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 373VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	86%	88%				
	AC CURRENT (Typ.)	0.7A/115VAC 0.42A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 45A/230VAC					
	LEAKAGE CURRENT	<0.75mA / 240VAC					
PROTECTION	OVER LOAD	110 ~ 150% rated output power					
		Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	13.8 ~ 16.2V	28.8 ~ 33.6V				
		Protection type : Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING TEMP.	-30 ~ +70℃ (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH					
	TEMP. COEFFICIENT	± 0.03%/℃(0 ~ 50℃)					
	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℃/ 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℃)					
	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℃ 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℃/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)					

MEAN WELL

75W Single Output Switching Power Supply   **MW-LRS-75W** series

12V & 24V OPTIONS

R33100 RoHS

- **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℃
  - Protections: Short circuit / Overload / Over voltage
  - Cooling by free air convection
  - Compliance to IEC/EN 60335-1(PD3) and IEC/EN61558-1, -2-16 for household appliances
  - Operating altitude up to 5000 meters (Note.7)
  - Withstand 5G vibration test
  - High efficiency, long life and high reliability
  - LED indicator for power on
  - Over voltage category III
  - 100% full load burn-in test
  - 3 years warranty

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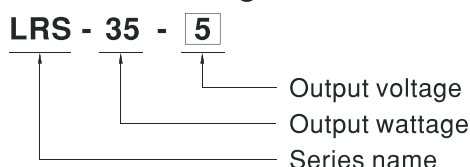 - Household appliances

All drivers come with terminal covers on the primary side

- **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℃ through 70℃ 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

  Output voltage
  Rated wattage
  Series name

SPECIFICATION

MODEL		MW-LRS-75-12	MW-LRS-75-24				
OUTPUT	DC VOLTAGE	12V	24V				
	RATED CURRENT	6A	3.2A				
	CURRENT RANGE	0 ~ 6A	0 ~ 3.2A				
	RATED POWER	72W	76.8W				
	RIPPLE & NOISE (max.) Note.2	120mVp-p	150mVp-p				
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V				
	VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%				
	LINE REGULATION Note.4	± 0.5%	± 0.5%				
	LOAD REGULATION Note.5	± 0.5%	± 0.5%				
	SETUP, RISE TIME	500ms, 30ms/230VAC 500ms,30ms/115VAC at full load					
	HOLD UP TIME (Typ.)	60ms/230VAC 12ms/115VAC at full load					
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 373VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	EFFICIENCY (Typ.)	89%	90%				
	AC CURRENT (Typ.)	1.4A/115VAC 0.85A/230VAC					
	INRUSH CURRENT (Typ.)	COLD START 65A/230VAC					
	LEAKAGE CURRENT	<0.75mA / 240VAC					
PROTECTION	OVER LOAD	110 ~ 150% rated output power					
		Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	13.8 ~ 16.2V	28.8 ~ 33.6V				
		Protection type : Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING TEMP.	-30 ~ +70℃ (Refer to "Derating Curve")					
	WORKING HUMIDITY	20 ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	± 0.03%/℃ (0 ~ 50℃)					
	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℃)					
	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℃ 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℃/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)						

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

12V & 24V OPTIONS

R33100 RoHS

• 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℃
- 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℃ through 70℃ 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

Output voltage
Rated wattage
Series name

SPECIFICATION

MODEL		MW-LRS-100-12	MW-LRS-100-24					
OUTPUT	DC VOLTAGE	12V	24V					
	RATED CURRENT	8.5A	4.5A					
	CURRENT RANGE	0 ~ 8.5A	0 ~ 4.5A					
	RATED POWER	102W	108W					
	RIPPLE & NOISE (max.) Note.2	120mVp-p	150mVp-p					
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V					
	VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%					
	LINE REGULATION Note.4	± 0.5%	± 0.5%					
	LOAD REGULATION Note.5	± 0.5%	± 0.5%					
	SETUP, RISE TIME	500ms, 30ms/230VAC 500ms,30ms/115VAC at full load						
	HOLD UP TIME (Typ.)	55ms/230VAC 10ms/115VAC at full load						
INPUT	VOLTAGE RANGE	85 ~ 264VAC 120 ~ 373VDC (Withstand 300VAC surge for 5sec. Without damage)						
	FREQUENCY RANGE	47 ~ 63Hz						
	EFFICIENCY (Typ.)	88%	90%					
	AC CURRENT (Typ.)	1.9A/115VAC 1.2A/230VAC						
	INRUSH CURRENT (Typ.)	COLD START 50A/230VAC						
	LEAKAGE CURRENT	<0.75mA / 240VAC						
PROTECTION	OVER LOAD	110 ~ 150% rated output power						
		Protection type : Hiccup mode, recovers automatically after fault condition is removed						
	OVER VOLTAGE	13.8 ~ 16.2V	28.8 ~ 33.6V					
		Protection type : Shut down o/p voltage, re-power on to recover						
ENVIRONMENT	WORKING TEMP.	-30 ~ +70℃ (Refer to "Derating Curve")						
	WORKING HUMIDITY	20 ~ 90% RH non-condensing						
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 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	720.6K hrs min. MIL-HDBK-217F (25℃)						
	DIMENSION	129*97*30mm (L*W*H)						
	PACKING	0.34Kg ; 40pcs/14.6Kg/0.92CUFT						
NOTE		1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ 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℃/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)						

MEAN WELL

150W Single Output Switching Power Supply **MW-LRS-150W** series

R33100 RoHS

• 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℃
· 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

12V & 24V OPTIONS

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

All drivers come with terminal covers on the primary side

• Description
LRS-150 series is a 150W single-output enclosed type power supply with 30mm of low profile design. Adopting the input of 115VAC or 230VAC(selectable by switch), the entire series provides an output voltage line of 12V, 15V, 24V, 36V and 48V.
In addition to the high efficiency up to 90%, the design of metallic mesh case enhances the heat dissipation of LRS-150 that the whole series operates from -30℃ through 70℃ 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

Output voltage
Rated wattage
Series name

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SPECIFICATION

MODEL		MW-LRS-150-12	MW-LRS-150-24			
OUTPUT	DC VOLTAGE	12V	24V			
	RATED CURRENT	12.5A	6.5A			
	CURRENT RANGE	0 ~ 12.5A	0 ~ 6.5A			
	RATED POWER	150W	156W			
	RIPPLE & NOISE (max.) Note.2	150mVp-p	200mVp-p			
	VOLTAGE ADJ. RANGE	10.2 ~ 13.8V	21.6 ~ 28.8V			
	VOLTAGE TOLERANCE Note.3	± 1.0%	± 1.0%			
	LINE REGULATION Note.4	± 0.5%	± 0.5%			
	LOAD REGULATION Note.5	± 0.5%	± 0.5%			
	SETUP, RISE TIME	500ms, 30ms/230VAC 500ms,30ms/115VAC at full load				
	HOLD UP TIME (Typ.)	40ms/230VAC 35ms/115VAC at full load				
INPUT	VOLTAGE RANGE	85 ~ 132VAC / 170 ~ 264VAC by switch 240 ~ 370VDC(switch on 230VAC)				
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY (Typ.)	87.5%	89%			
	AC CURRENT (Typ.)	3A/115VAC 1.7A/230VAC				
	INRUSH CURRENT (Typ.)	COLD STAR 60A/230VAC				
	LEAKAGE CURRENT	<0.75mA / 240VAC				
PROTECTION	OVER LOAD	110 ~ 140% rated output power				
		Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	13.8 ~ 16.2V	28.8 ~ 33.6V			
		Protection type : Shut down o/p voltage, re-power on to recover				
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover				
ENVIRONMENT	WORKING TEMP.	-30 ~ +70℃ (Refer to "Derating Curve")				
	WORKING HUMIDITY	20 ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85℃, 10 ~ 95% RH non-condensing				
	TEMP. COEFFICIENT	± 0.03%/℃ (0 ~ 50℃)				
	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℃)				
	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℃ 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℃/1000m is needed for operating altitude greater than 2000m (6500ft).				

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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

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.

The Mini range is designed for entry level Lithium storage solutions providing maximum value per kWh without compromising on longevity and performance by using the same high quality LiFePO4 cells as the standard Lite ranges.

Freedom Won Lite Mini Range	Mini 1.4	Mini 2.5	Mini 5
Max Energy at 100% DoD [kWh]	1.4	2.5	5
Current Capacity [Ah]	55	55	100
Max/Cont Current [A] (1)	120/100		
Max/Cont Power [kW] (1)	3.1/2.6	6.2/5.2	6.2/5.2
Nominal Voltage [V](2)	26	52	52
Weight [kg]	16	32	50
Dimensions on or against wall - Height x Width x Depth [mm]	372 x 316 x 209	544 x 318 x 237	550 x 368 x 263
Enclosure	Aluminium, white coated, including feet and handles		
DC Connection	DC "Anderson" Plug to suit 16mm² power cable (mating plug included with Mini)		
Protection	Internal protection of cells for over and under voltage, over-current protection, temperature range protection		
Service Life	70% DoD –> 5 000 cycles 90% DoD –> 3 000 cycles		
Warranty	Unlimited use for 5 years with >70% capacity remaining		

1) Max, current and power for 1 minute
2) The Mini 2.5 and Mini 5 are available in 26V on request. Note that the power output is halved for a 26V model compared to the 52V model.

Note:
   a) The Mini range does not include interfacing for external equipment or a State of Charge Display. Automatic resetting of protection allows for use with non interfacing inverters and chargers.
   b) The Mini is not suitable for use with transformer based inverters with high inrush current – if in doubt please speak to your Voltex representative.

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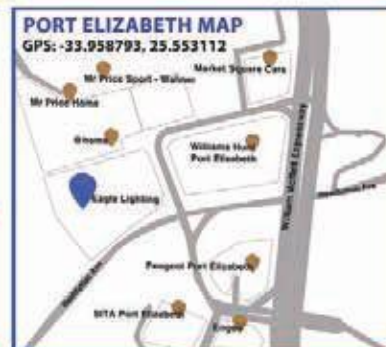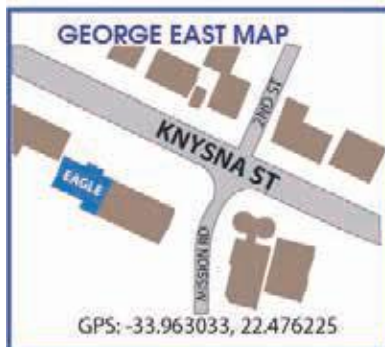
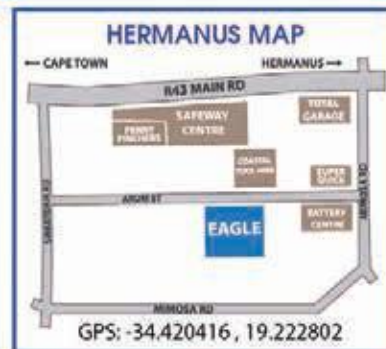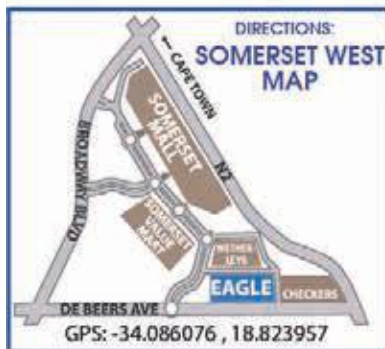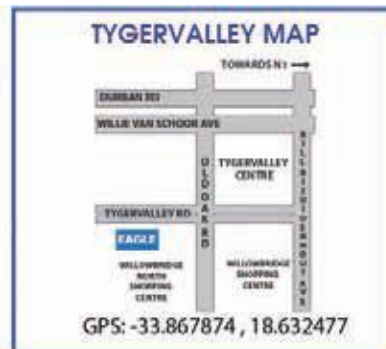12. The Company accepts no responsibility and cannot be held liable for any misprints, inaccuracies and / or any errors or omissions in this Catalogue.

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EAGLE LIGHTING

ONE STOP SUPERSTORES FOR ALL YOUR REQUIREMENTS:

Maitland:	M5 Park, off Berkley Rd.	**GPS:** -33.929619 , 18.480399
Cape Town:	63 Long Street, City Centre	**GPS:** -33.921662 , 18.42026
Tygervalley:	Willowbridge North, Tyger Valley Rd.	**GPS:** -33.867874 , 18.632477
Somerset West:	Somerset Decor Centre, Jigger Rd. Somerset Mall	**GPS:** -34.086076 , 18.823957
Lakeside:	Cnr of Main and Putter Road.	**GPS:** -34.084198 , 18.455945
Hermanus:	13 Arum Rd, Hermanus Industrial	**GPS:** -34.420416 , 19.222802
George:	Cnr of Knysna and Mission Rd, George East	**GPS:** -33.963033 , 22.476225
Knysna:	45 Waterfront Drive, Knysna	**GPS:** -34.040307, 23.051905
Port Elizabeth:	Shop 3/7, William Moffett Expressway, Fairview, PE	**GPS:** -33.958793 , 22.553112
Projects Division:	M5 Park, off Berkley Rd. Maitland	**GPS:** -33.929619 , 18.480399

WHERE WE ARE:

MAITLAND MAP — GPS: -33.929619 , 18.480399

CAPE TOWN MAP — GPS: -33.921662 , 18.42026

TYGERVALLEY MAP — GPS: -33.867874 , 18.632477

DIRECTIONS: SOMERSET WEST MAP — GPS: -34.086076 , 18.823957

LAKESIDE MAP — GPS: -34.084198, 18.455945

HERMANUS MAP — GPS: -34.420416 , 19.222802

GEORGE EAST MAP — GPS: -33.963033, 22.476225

KNYSNA MAP — GPS: -34.040307, 23.051905

PORT ELIZABETH MAP — GPS: -33.958793, 25.553112

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