LEDECOLIGHTING

CREATING A SMARTER & BRIGHTER FUTURE

Colour and Dimmable Controllable Downlights

RGBW Controller

Smart Lock

Hand Held Remote

Smart Camera

Door Camera/ Intercom & Chime

Gateway

IR Controller

Smart Socket

Roller Blind/Curtain Controller

Intelligent Switch

PIR Sensor

Window/Door Magnetic Switch

2021 Product Guide

Since 2007

Innovative Energy Efficient LED Lighting Solutions

www.ledecolighting.com.au

ABOUT US

LED ECO LIGHTING have been involved in the electrical and lighting industry for over 35 years, predominantly in the supply and installation of electrical and lighting products. We have used this knowledge and experience to bring you a range of quality LED lighting products that are both stylish and simple to install. We are always working to expand and improve our product range to give you the very best LED products available.

OUR PRODUCTS

Specializing in the LED industry for over 12 years, we have become leaders in this field. With strong partnerships with many manufacturing facilities, this allows us to have unparalleled product diversity and control over our manufacturing processes. This gives us the ability to provide a high quality product at a competitive price to our customers.

OUR CONSULTANTS

We can show you the many advantages of LED lighting technology over conventional lighting systems. We can also help with product selection and design so the LED product is matched to best suit your needs. We carry a wide range of LED products to suit any lighting application in domestic to commercial and industrial.

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VICTORIA

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OUR LIGHTING DESIGN SERVICE
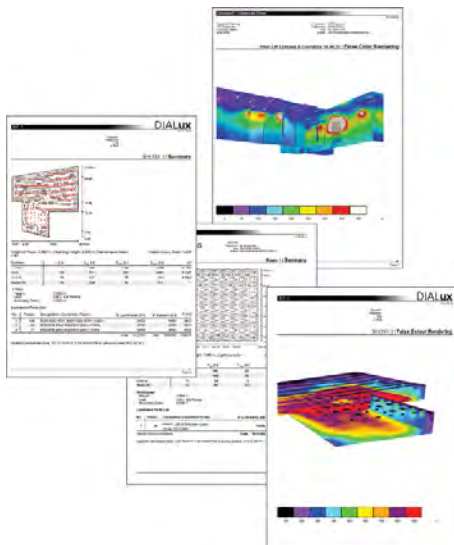
We are able to offer our customers a customised lighting design service for those projects where specific lighting levels are required, taking the guess work out and giving total piece of mind.

OUR WEBSITE

Our website allows users to login, view specials, download product brochures, view information about us, and use our power consumption and payback calculator plus much more.

Visit us at :
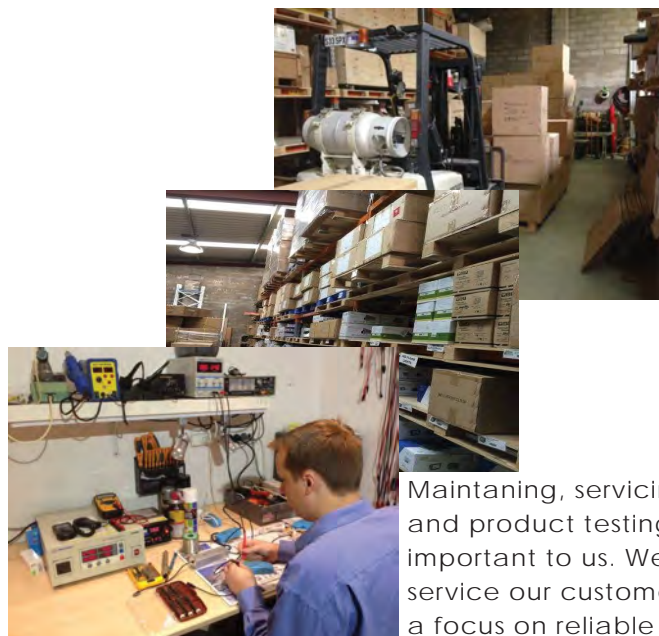ledecolighting.com.au

OUR WARRANTY

Warranty Certificate

LED Eco Lighting offer a replacement warranty against a product that is defective from workmanship or material for a period of up to 5 years. The product must be used under normal operating conditions from the date of purchase on the following LED lighting products in the range. LED down light fittings, LED shop lighters, LED Garden Lighting, LED Track Lighting, LED flood lighting, LED strip Lighting, LED Up lighter fittings, LED street light fittings, LED power supplies, LED fluro tubes, LED lamps, LED Drivers, LED light controllers. Some conditions may apply to operating hours for some products.

Exclusions: Product alterations or modification, misuse, improper installation, opening or removing external covers, any accident or mishandling of the product. Any electrical power surges, power spikes and any other external factors affecting its correct operation. This will be determined at the discretion of the company.

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OUR SERVICE

Maintaning, servicing and product testing is important to us. We can service our customers with a focus on reliable service and quality products. We can also provide product installation service if required.

Lighting Council AUSTRALIA MEMBER 2017

FluoroCycle

PRODUCT STEWARDSHIP Australian Government Accredited

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TYPICAL ILLUMINATION LEVELS

CORRIDORS 40Lux

GENERAL OFFICES 160Lux

READING/WRITING 320Lux

LOBBIES 160Lux

OFFICE ENTRANCE 160Lux

FACTORIES 320Lux

AUDITORIUM 240Lux

MEETING ROOMS 320Lux

SHOPS 320Lux

KITCHENS 240Lux

STORE ROOMS 160Lux

PLANT ROOMS 80Lux

LIGHTING TERMS EXPLAINED

Relationship between lux and lumens
One Lux is defined as being equivalent to one lumen spread over an area of one square metre. Lumen only takes into account the light intensity in a specific direction, where as Lux takes into account the area also.

Light measurement devices
Lumens (luminous intensity) is measured within a spherical devise that can determine colour temperature and luminous intensity as shown in the picture to the right. Lux can be measured by a small hand held device called a Lux meter as shown on the right. Devices used to measure Lumens and Lux are very different.

Lumen Measurement Device

Requirements for determining lux levels
When determining the Lux light levels in a room, the mounting height and room dimensions must be considered to determine Lux Levels. Lux is an efficient measurement for determining what we see as the brightness. If the light output is focused on a small area, we see this as very bright light. If the light output is wide beam over a larger area, this is considered a weaker light. So we use reflectors and optics to control the path of light, for desired beam pattern with a minimum light loss and greater efficiency.
Example : 500 lumens, in an area of one square meters, gives us intensity of 500 lux.
The same 500 lumens, spread over ten square meters, produces a dimmer illuminance of only 50 lux.

Lumen depreciation of the light source
Lumen depreciation is a process of the gradual decline in light output that is observed from most light sources over time due to gradual filament or electrode deterioration of the lamp.

The relationship of lumens & watts
Wattage (Watts) is the power required to operate a light fitting. It refers to the total electricity that is consumed which will include:
- The heat generated by the light depending on the type of lighting device.
- The energy of the light emitted from the light.
So the rated wattage of a light source refers to the entire power consumed to drive the source and there is no relationship between lumens or lux.
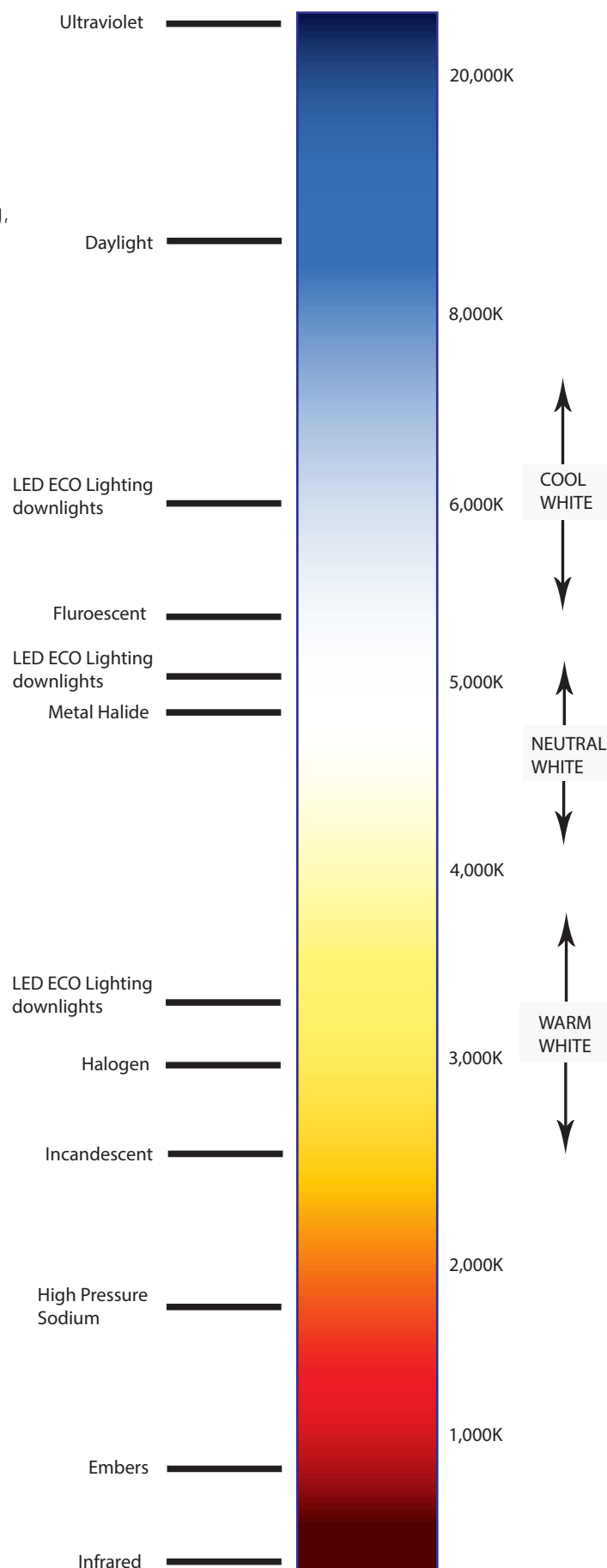
LUX Meter

Colour Temperature Explained

Colour temperature is a characteristic of visible light that has important applications in lighting, photography, videography, publishing, manufacturing, astrophysics, horticulture, and many other fields.

Colour temperature is defined as a numerical value to the colour emitted by a light source, measured in degrees of Kelvin. The Kelvin Colour Temperature scale imagines a bl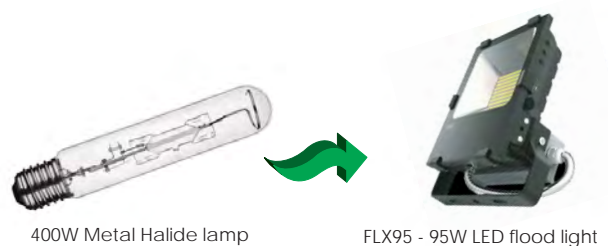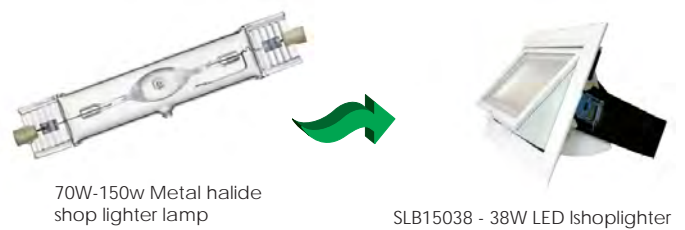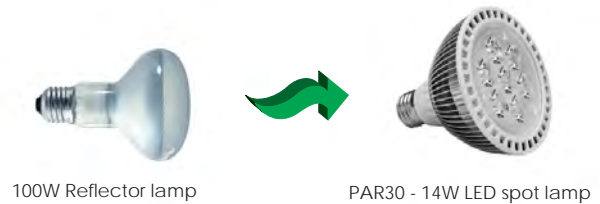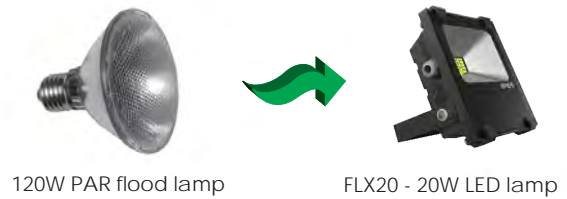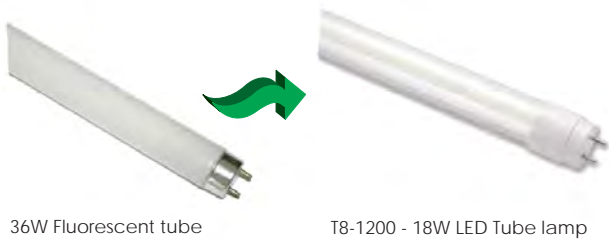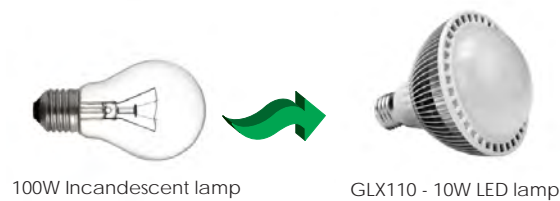ack body object -(such as a lamp) being heated. At some point the object will get hot enough to begin to glow. As it gets hotter its glowing colour will shift, moving from deep reds, such as a low burning fire would give, to oranges & yellows, all the way up to white hot. Light sources that glow this way are called "incandescent radiators" and the advantage of them is that they have a continuous spectrum. This means that they radiate light energy at all wavelengths of their spectrum, therefore rendering all the colors of a scene being lit by them equally. Only light from sources functioning this way can meet the true definition of colour temperature.

In relation to lighting building interiors, it is often important to take into account the colour temperature of illumination. For example, a warmer (i.e. lower colour temperature) light is often used in public areas to promote relaxation, while a cooler (higher colour temperature) light is used to enhance concentration of light in offices, workshops, showrooms, warehousing, shopping complexes, etc .

Label	Temperature
Ultraviolet	
	20,000K
Daylight	
	8,000K
LED ECO Lighting downlights	6,000K
Fluroescent	
LED ECO Lighting downlights	5,000K
Metal Halide	
	4,000K
LED ECO Lighting downlights	
Halogen	3,000K
Incandescent	
	2,000K
High Pressure Sodium	
	1,000K
Embers	
Infrared	

COOL WHITE

NEUTRAL WHITE

WARM WHITE

Colour Temperature Chart

Replacement Guide from Conventional Lighting to LED Lighting Products

60W Incandescent lamp → GLX126 - 6W LED lamp

120W PAR flood lamp → FLX20 - 20W LED lamp

100W Incandescent lamp → GLX110 - 10W LED lamp

100W Reflector lamp → PAR30 - 14W LED spot lamp

50W Halogen lamp → DDLB12700 - 10W LED lamp

500W Halogen lamp → FLX30 - 30W LED lamp

36W Fluorescent tube → T8-1200 - 18W LED Tube lamp

70W-150w Metal halide shop lighter lamp → SLB15038 - 38W LED lshoplighter

15W Fluroescent lamp → GLX126 - 6W lamp

400W Metal Halide lamp → HBL95NAL - 95W LED Highbay

18W PL Fluroescent lamp → PL6G24 - 6W LED lamp

400W Metal Halide lamp → FLX95 - 95W LED flood light

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Smart Home

Colour and Dimmable
Controllable Downlights

RGBW Controller

Hand Held
Remote

Smart Lock

Door Camera/
Intercom & Chime

Smart Camera

Gateway

Smart Socket

IR Controller

Intelligent
Switch

Roller Blind/Curtain
Controller

PIR Sensor

Window/Door Magnetic
Switch

Simple to use and easy to setup

ECO1 Smart Control
Life made easier

Download on the
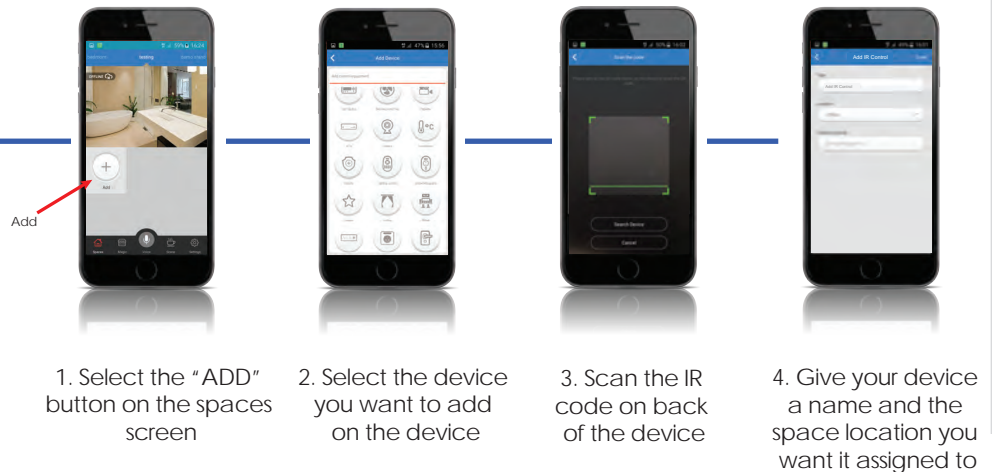App Store

GET IT ON
Google Play

Works with
Amazon Alexa

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ECO1 SMART SETUP PROCEDURE

The setup procedure for Smart products onto the ECO1 Smart App is very simple . It can be done in a matter of minutes. The simple setup guide below goes through the basic steps to setup various devices on the ECO1 Smart App.

GATEWAY CONTROLLER
IR SMART REMOTE
IP CAMERA
SMART SOCKET
RGBW CONTROLLER

Setup Procedure for Smart Control Devices

Add

1. Select the "ADD" button on the spaces screen

2. Select the device you want to add on the device

3. Scan the IR code on back of the device

4. Give your device a name and the space location you want it assigned to

Some of the devices that can be added to the Smart App with this method

Setup Procedure for Smart Lighting Products

Lighting Control button

Add
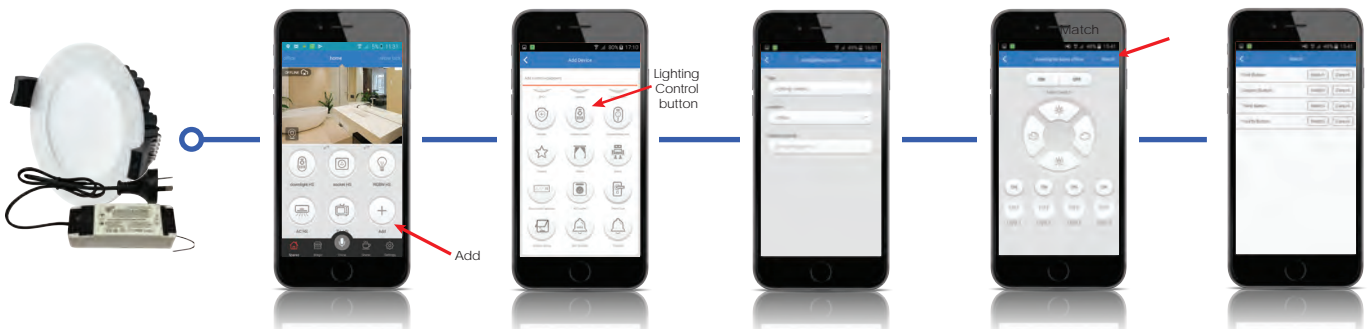
All of the lighting products can be added to the Smart App with this method

1. Select the "ADD" button on the spaces screen

2. Select "Lighting Control" add on the device list

3. Give your device a name and the space location you want it assigned to

4. Open the lighting control on the spaces screen and click on the match button

5. Turn the light off then on, click on the match button then the light will flash to confirm a successful match

Setup Procedure for Hand Held Remote for Lighting Products

Dimming and colour changing controls
Master control
Channel buttons

Hand Held Remote

All of the lighting products can be added with this method

1. Select the lamps which are to be group controlled and turn power ON,

2. Switch OFF the power, then back ON again within 3 seconds, quickly press the CH1/ON button once. The selected lamps will flash slowly 3 times to confirm that the lamps are successfully matched or grouped.

3. Repeat the steps above if required for channels 2, 3 and 4 as required.

***NOTE : Hand held remote control works independently and the Smart App is not required to dim or change colour temperature if using this hand held remote.
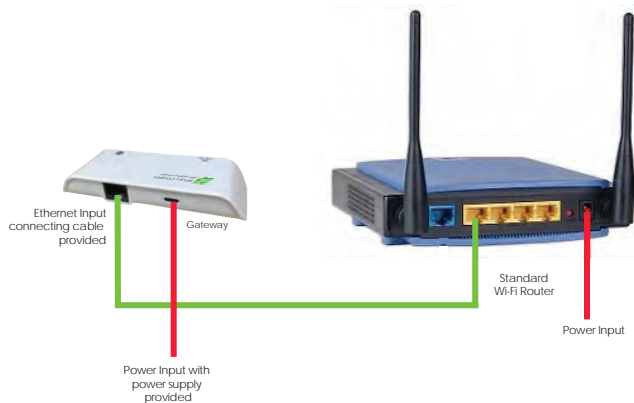
ECO1 SMART CONTROL

Features

• ECO1 Smart Control gives you the ability to control your lighting and other devices locally or from anywhere in the world via the gateway controller.

• With ECO1 Smart Control you can adjust colour temperature of the LED lighting from warm light to cool light with ease, with a variable light colour control system.

• Ultra smooth dimming range from 2% to100% creates the prefect mood for every occasion.

• Lights can be setup in groups or individually so you can set up the lighting to you specific requirements.

• ECO1 Smart Control can also control other devices such as TV's, air-conditioning ,curtains and blinds, power sockets, intercom, door locks, garden lighting and much more.

• The Scene feature can control your lighting, TV, air-conditioning, curtains and other ECO1 Smart devices. With the press of a single button you can set up home scenes, out scenes, party scenes and much more.

• Location function can trigger scenes when you are a preset distance from your home or office automatically.

• ECO1 Smart Control can be used in commercial or home application to control any electrical device.

• ECO1 Smart Control can now be connected with Amazon Alexa for even more flexibility in controlling your home or office.

• ECO1 Smart Control is easy to use and simple to setup.

Gateway controller

ECO1 Smart Control
App free download
control your lighting
from anywhere

Ethernet Input
connecting cable
provided

Gateway

Standard
Wi-Fi Router

Power Input

Power Input with
power supply
provided

Gateway controller connection diagram

Button Functions

Master ON ALL lights will switch on.

Master OFF ALL lights will switch off.

Dim+   Increases the light intensity.
Dim–   Decreases the light intensity.

CT WW   Adjusts the light to a warmer
              colour temperature.

CT CW   Adjusts the light to a cooler
              colour temperature.

ON
Channel   Individual control of channels
OFF   1, 2, 3 & 4

Optional hand held
remote control unit

Smart driver and LED fitting can be connected into any standard wiring system and requires no complex wiring to make it work. Simply plug in and learn into the App or the Smart lighting system can be controlled by the hand held remote, and can be up and running within a few minutes.

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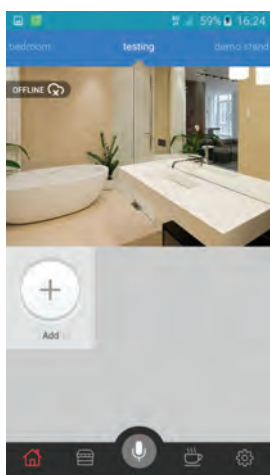
ECO1 SMART CONTROL GATEWAY

ECO1 Smart Control Gateway is used to link your Smart products with your mobile phone and give you the ability to control your devices locally or via the cloud. The gateway can be connected into any standard router. Simply plug into the router, scan the IR code on the gateway from the Smart App on your phone and the gateway is ready to use. It requires no complex connection or programming to make it work, you are now able to control lighting, appliances, TV's and air conditioning locally or from anywhere in the world.

Gateway Controller

Product Code	Input Voltage	Wireless Type
WG-100	5VDC	2.4GHz

* Power adapter and connecting cables supplied with gateway

Step 1
Choose add on the spaces page

Step 2
Choose gateway on the devices page and scan IR code

Step 3
Name gateway and you are ready to go
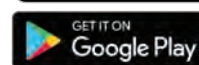
Download on the App Store

GET IT ON Google Play

ECO1 Smart Control App free download control your lighting from anywhere

Ethernet Input connecting cable provided

Gateway

Standard Wi-Fi Router

Power Input

Power Input with power supply provided
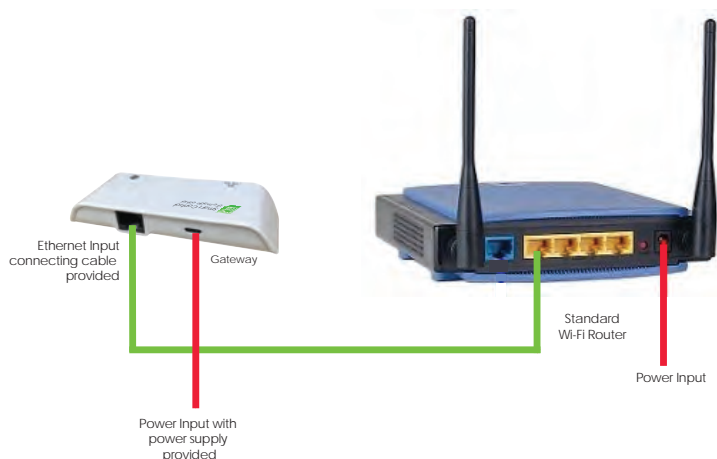
Gateway controller connection diagram

ECO1 SMART IR CONTROL

ECO1 Smart Control Infrared Remote can be used to control your air conditioning, TV's, satellite or cable box, sound systems, Blu-ray player. Infact any product that has an IR remote control can be programmed into the Smart control system consolidating all your remote controls into your mobile phone. The 360° technology means you dont need to point the IR remote at the device you want to control it just needs to be in line of sight. Simply plug in the power adapter and select and learn the device into the Smart IR Controller.

Product Code	Input Voltage	Wireless Type
IR-100	5VDC	2.4GHz

ECO1 Smart Control App free download control your IR control from anywhere

Works with Amazon Alexa

Smart TV/satellite/cable box/sound systems controller screen

Smart Air Conditioning controller screen

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ECO1 SMART CONTROL RGBW CONTROLLER

The ECO1 Smart RGBW Colour Changing Controller is the ideal device for controlling LED low voltage strip light. It can control RGB colour changing strip light and also control color temperature variable strip or even single colour strip light or both, all through the ECO1 Smart App. To setup simply scan the IR code on the back of the RGBW Controller and it is connected to the ECO1 Smart App.
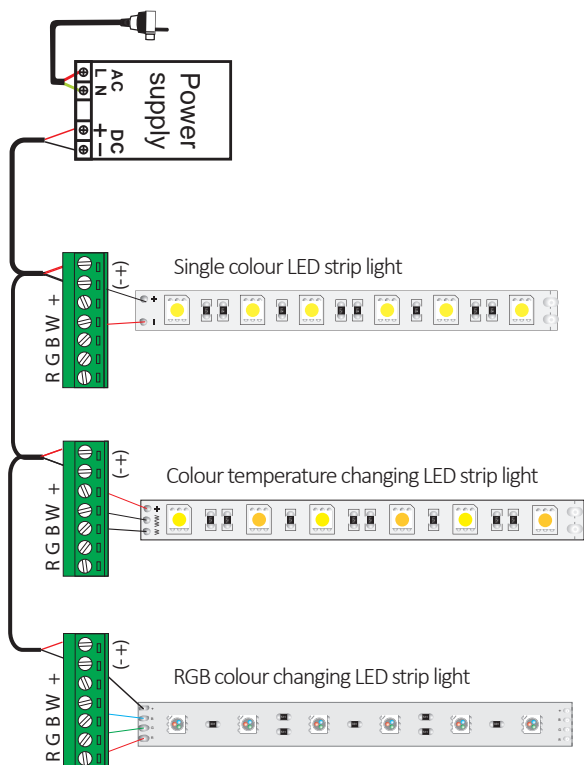
Product Code	Input Voltage	Power rating
E1-RGBW	12-24VDC	4CH@6A/CH Max

Single colour LED strip light

Colour temperature changing LED strip light

RGB colour changing LED strip light

Max Power 240W@12VDC / 480W@24VDC

Download on the App Store

GET IT ON Google Play

ECO1 Smart Control App free download control your lighting from anywhere

Works with Amazon Alexa

Smart RGBW dimming function screen

Smart RGBW color changing screen

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ECO1 HAND HELD REMOTE

The simple Hand Held Rmote Control connects directly to the ECO1 lighting products via a simple learn in process and eliminates the need for a gateway and ECO1 App. It can be used inconjunction with the gateway and ECO1 App as an additional way for controlling your lights. The controller features allow you to have four individual switching channels and a master on/off. It also allows you to change colour temperature and dim the lights to create beautiful moods and ambiance to suit your personal taste.

Product Code	Input Voltage	Power type
E1-CT-4	3VDC	1 x C2430 Lithium battery

Hand Held
Remote Control Unit

Button Functions

⏻	Master ON	ALL lights will switch on.
⏼	Master OFF	ALL lights will switch off.

☀	Dim+	Increases the light intensity.
☀	Dim−	Decreases the light intensity.
🎨	CT WW	Adjusts the light to a warmer colour temperature.
☁	CT CW	Adjusts the light to a cooler colour temperature.

ON Channel OFF		Individual control of channels 1, 2, 3 & 4

Control your ECO1 lighting products directly with the hand held remote

www.ledecolighting.com.au

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ECO1 SMART CONTROL SOCKET

ECO1 Smart Control Socket is a 240VAC device that can be plugged into a standard power outlet and can control any electrical device via the ECO1 Smart App on your mobile phone. The socket also has a timing function that allows the user to pre-set the on and off times. The socket is easy to use, simple to setup, and it is also able to display power consumption on the ECO1 Smart App. Some applications include the following uses such as setup your pool pumps on the timer function, turn lamps on and off at preset times for security when you are away, easily isolate standby power on TV's, sound systems, and many other applications. The Smart socket has the ability to control any electrical device or appliance locally or from anywhere in the world via the gateway controller.

Product Code	Input Voltage	Output Current	Wattage (W)	IP Rating	Power Factor	Ambient Temp Range
E1-15	240V AC	10A	2400W	IP20	> 0.90	-40°C~+85°C
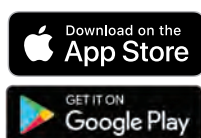
ECO1 Smart Control App free download control your lighting from anywhere
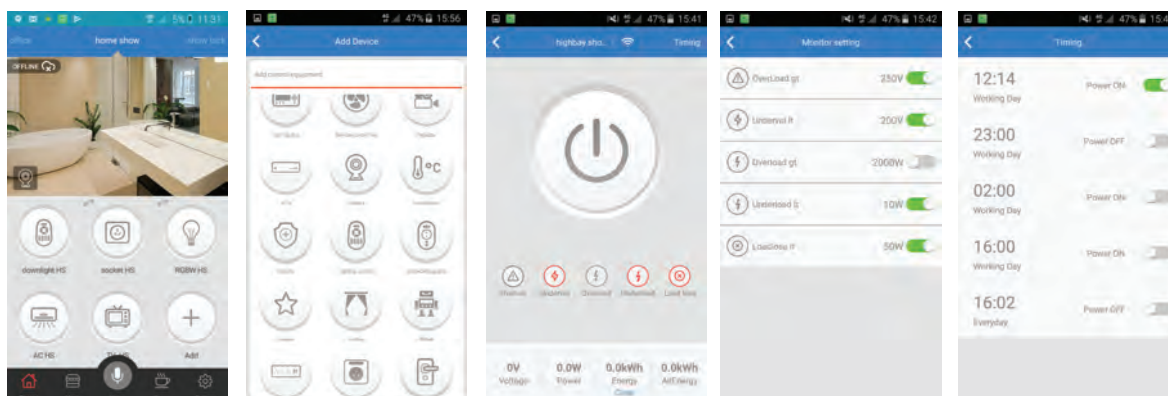
Simply plug in and learn into the ECO1 Smart App and it will be up and running within a few minutes.

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DOOR CAMERA/INTERCOM

The ECO1 Smart Intercom/Camera and Door Chime connects via WiFi to the ECO1 Smart App without any wiring required. It is very simple to operate, simply press the external bell button and it rings the indoor chime and also notifies you on your smart phone if you are at home or away. It has a talk and listen function and also record capabilities, comes complete with indoor chime and external doorbell unit and can also be used to operate the ECO1 Smart Lock (see installation instructions for setup procedure).

Product Code	Input Voltage	Battery type	Wireless Type	Lens Angle	Pixels	Internal chime
IDB-120-1	6VDC	4 x AA	2.4GHz	130 Degree	1Mp	85VAC - 265VAC
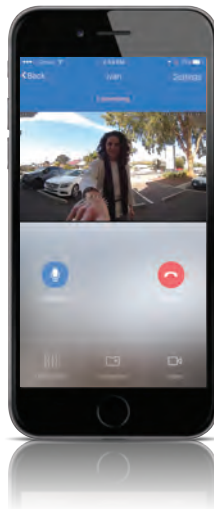
Intercom/camera screen

Select Doorbell device

Add Device

Select add in the ECO1 App and then select the bell device and follow the setup procedure

Music button

Micro SD card slot (for video recording)

Volume button
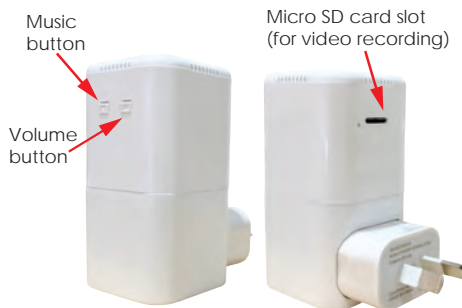
Internal chime plugs directly in to a power socket

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ECO1 SMART CONTROL IP CAMERA

The ECO1 Smart IP Camera is the perfect device for monitoring the home or workplace. To set up simply scan the IR code and it is connected to the ECO1 Smart App. The camera can pan and tilt 330° x 120° and also has sound and record capabilities. The Smart IP Camera also has built-in night vision so you can see in the dark. The wireless data transmission feature also makes it simple to install as it only requires power connection for the camera to operate.
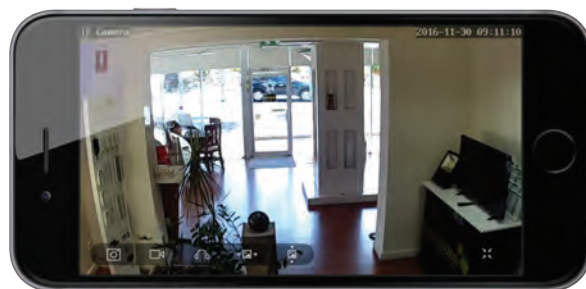
Product Code	Input Voltage	Image sensor	Lens Angle	Camera Resolution	Min Light level	Pan/Tilt
IP-360S	5VDC	1/4" Colour CMOS	67°	720p	0.5 Lux	330°x120°
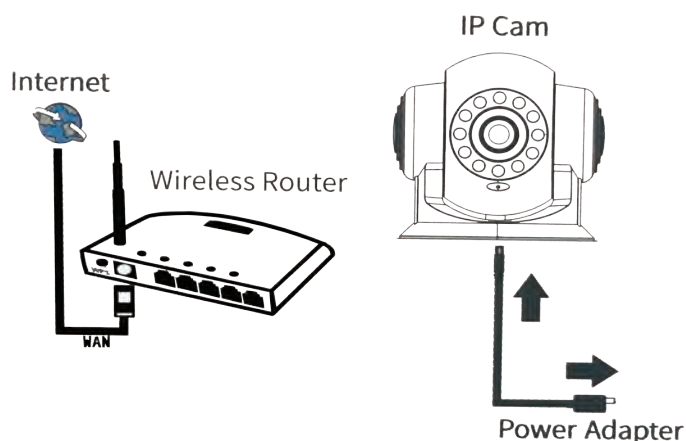
ECO1 Smart IP Camera

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Power Adapter   Ceiling/ wall mounting bracket
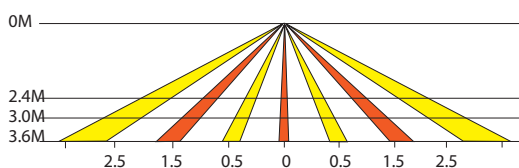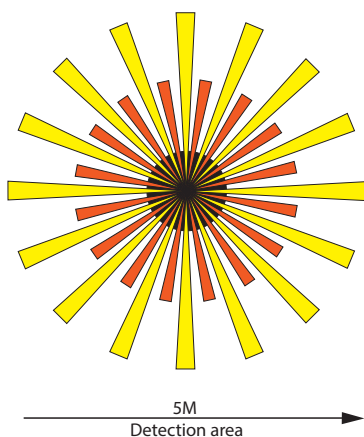
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ECO1 PIR DETECTOR

The ECO1 Smart PIR detector can be setup to control lighting, ECO1 smart socket, ECO1 roller blinds and curtain or other ECO1 smart devices or even scenes when it detects movement. This flexibility allows you to tailor what you want to control to suit your needs and you can change what you are controlling simply via the ECO1 App anytime.

Product Code	Input Voltage	Wireless Type	Control system
E1-PIR-50	3VDC	2.4GHz	Zigbee

Select matched PIR device from list

Status indicates the sensor is active

Select hours of operation

Select the "on" scene

Select the "off " scene

select the time your scene will be active for

5M
Detection area

0M
2.4M
3.0M
3.6M

2.5   1.5   0.5   0   0.5   1.5   2.5

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ECO1 DOOR DEAD LOCK

ECO1 Smart Deadlock controller allows you to control the locking and unlocking remotely with a long battery life of over 1 year it comes complete with its own gateway, mounting accessories and 3 key ring remotes.
It can also be set up in a scene function or timer, just control the opening and closing from the ECO1 App.

Product Code	Input Voltage	Frequency	Control system	Weight	Dimentions
E1-DL4	2xAA cell battery	433Mhz	Zigbee	620g	95H x 150L x 39W (mm)

Smart Lock Controller
user screen

ECO1 Smart Control
App free download
control your lighting
from anywhere

Match Indicator
LED

Match Button

ON/OFF Button

Locking
Mechanism

Unlock
Button

Lock
Button

Key Fob
Remote Control

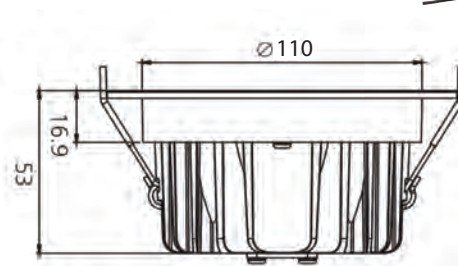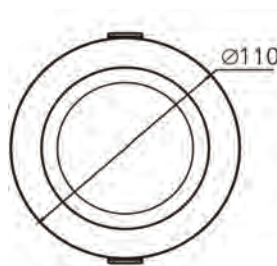**LEDECOLIGHTING**
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DDLR-COB DOWNLIGHT SERIES

The DDLR13 is designed with a 60 degree lens for a focussed light output, and is suitable for a range of home or commercial lighting applications. DDLR-COB is available in standard switchable colour temperature or CT series can be controlledvia the ECO1 App or Hand Held Remote. This downlight has a ultra smooth variable colour range adjustment from warm white (3000K) to cool white (6000K) depending on the mood required in the room. This fitting also has very smooth dimming range from 2% to 100% to give even further flexibility in lighting control.

Product Code	DDLR13-CT	DDLR13-SW
Voltage (V)	AC100-240V 50/60Hz	
Wattage (W)	13 W	13W
Chip Type	Bridgelux COB chip	
Lumen (Lm)	1100lm	1100lm
Beam Angle	60˚	
CRI	>80Ra	
Colour temp	infinitely variable from : Warm White(WW) : 3000K to Cool White(CW) : 6000K (ECO1 CT series only)	
Dimming	Dimmable range 2% -100%	
IP Rating	IP44 Indoor use or under covered areas	
Dimensions	110mm x 53mm	110mm x 53mm
Cutout Size	90 -95 mm	
Face Plate	Available in white, black, brushed chrome, chrome 110mm Diameter	
Weight	380g	380g
Power Factor (Pf)	>0.9	
Certification	CE , ROHS, SAA (others available on request)	
Warranty	3 Years warranty	
Age Testing	48 working hours with intermittent switching	
ECO1 Smart Control features (ECO1 CT series only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Amazon Alexa control. See ECO1 Smart Control catalogue for more information.	

Control everthing in your home or office from anywhere

The Hand Held Remote can be used for local wireless control only available for DDLR COB-APP

Brushed Chrome ring   Black ring   White ring

DDLP DOWNLIGHT SERIES

These general purpose fittings are designed with a robust polycarbonate body for the budget conscious. These fittings are suitable for a range of domestic lighting applications. Suitable for ceilings under 3 metres, this fitting is designed to be installed in a ceiling and covered with thermal insulation. This fitting is also dimmable to give even further flexibility in the lighting control.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Dimmable
DDLP7W	240V AC	6W	>0.85	790	120	>80	3000-6000K	Yes
DDLP10W	240V AC	10W	>0.85	1020	120	>80	3000-6000K	Yes
DDLP10W-SW	240V AC	10W	>0.85	1020	120	>80	3000,4000K or 6000K	Yes

Note : DDLP10W-SW has colour temperature adjustable via a 3 position switch on the
back of the fitting to choose the colour temperature you desire.

colour temp selector switch

cutout : 90mm

62mm

110mm

IC-4
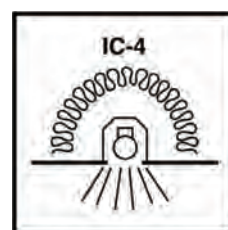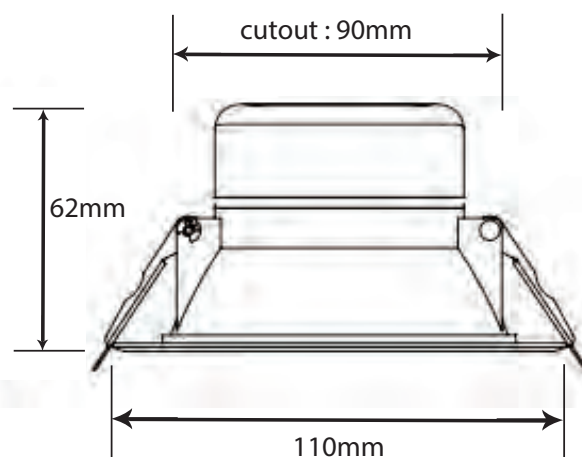
AS/NZS 60598.2.2
Passed IC-4 test
Luminaires for ceilings
filled with ceiling
insulation

BEAM ANGLE 120 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	84	3.39
1.5	37	5.09
2	21	6.79
2.5	14	8.48
3	9	10.18

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GRILLE REFLECTOR DOWNLIGHTS

These Grille reflector LED downlights consume less power compared with conventional commercial lighting products. At the same time offering high light output, 40,000 + hours life, with excellent light stability and colour render. The reflector Grille downlight is ideally suited to shop lighting were a directional beam of light is required in multiple directions.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
AR115	240V AC	15W	>0.85	1500	60	170x170	3000-6000K	Yes
AR215	240V AC	30W	>0.85	3000	60	170x335	3000-6000K	Yes
AR315	240V AC	45W	>0.85	4500	60	170x485	3000-6000K	Yes
AR120	240V AC	20W	>0.85	1980	60	170x170	3000-6000K	Yes
AR220	240V AC	40W	>0.85	3960	60	170x335	3000-6000K	Yes
AR320	240V AC	60W	>0.85	5940	60	170x485	3000-6000K	Yes
AR130	240V AC	30W	>0.85	3100	60	170x170	3000-6000K	Yes
AR230	240V AC	60W	>0.85	6200	60	170x335	3000-6000K	Yes
AR330	240V AC	90W	>0.85	9300	60	170x 485	3000-6000K	Yes

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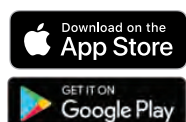LEDECOLIGHTING
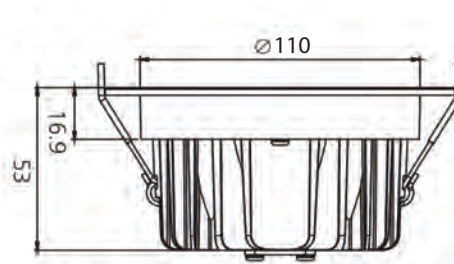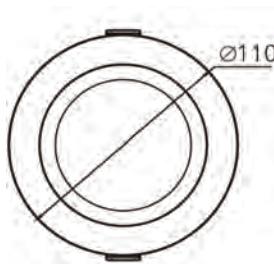CREATING A SMARTER & BRIGHTER FUTURE
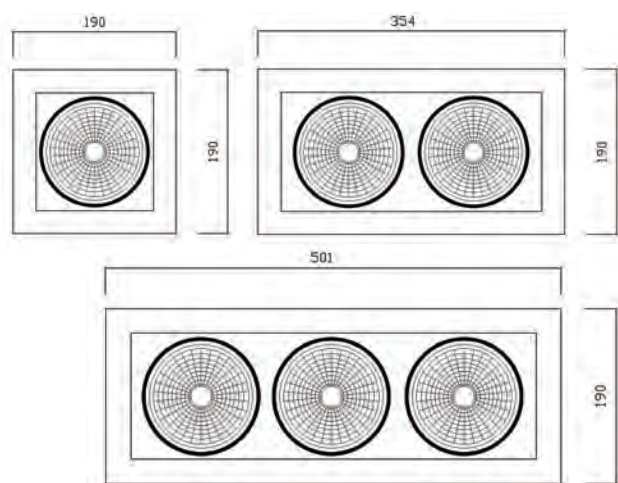
DDLR10 DOWNLIGHT SERIES

The DDLR10 is designed with a 90 degree lens for a focussed light output, and is suitable for a range of home or commercial lighting applications. DDLR10 is available in standard switchable colour temperature or CT series can be controlled via the ECO1 App or Hand Held Remote. This downlight has an ultra smooth variable colour range adjustment from warm white (3000K) to cool white (6000K) depending on the mood required in the room. This fitting has a very smooth dimming range from 2% to 100% to give even further flexibility in lighting control.

Product Code	DDLR10-CT	DDLR10-SW
Voltage (V)	AC100-240V 50/60Hz	
Wattage (W)	10 W	10W
Chip Type	Bridgelux COB chip	
Lumen (Lm)	980lm	980lm
Beam Angle	90˚	
CRI	>80Ra	
Colour temp	infinitly variable from : Warm White(WW) : 3000K to Cool White(CW) : 6000K (ECO1 CT series only)	
Dimming	Dimmable range 2% -100%	
IP Rating	IP44 Indoor use or under covered areas	
Dimensions	110mm x 53mm	110mm x 53mm
Cutout Size	90 -95 mm	
Face Plate	Availible in white, black, brushed chrome, chrome 110mm Diameter	
Weight	380g	380g
Power Factor (Pf)	>0.9	
Certification	CE , ROHS, SAA (others available on request)	
Warranty	3 Years warranty	
Age Testing	48 working hours with intermittent switching	
ECO1 Smart Control features (ECO1 CT series only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Amazon Alexa control. See ECO1 Smart Control catalogue for more information.	

Ø110

Ø110

16.9

53

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App Store

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Control everthing in your home or office from anywhere

The Hand Held Remote can be used for local wireless control and available for DDLR10

Brushed Chrome ring   Black ring   White ring

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SQUARE DOWNLIGHTS

Our LED square downlight with a range from 10W - 30W has a high light intensity. Suitable for a range of home lighting or commercial applications. This downlight is ideal for domestic or commercial lighting applications where a more achitectural style product is needed. The DLQ series is available in standard single colour or the DLQ CT downlight has a variable colour range adjustment from warm white to cool white depending on the mood required in the room. This fitting is also dimmable to give even further flexibility in lighting controlled by the ECO1 Smart App or the Hand Held Remote.

Product Code	DLQ125	DLQ160	DLQ195
Voltage (V)	AC100-240V 50/60Hz		
Wattage (W)	10 W	20W	30W
Chip Type	Epistar SMD2835		
Lumen (Lm)	930lm	1790lm	2745lm
Beam Angle	120˚		
CRI	>80Ra		
Colour temp	infinitly variable from : Warm White(WW) : 3000K to Cool White(CW) : 6000K (ECO1 CT series only)		
Dimming	Dimmable range 2% -100%		
IP Rating	IP44 Indoor use		
Material	Aluminium housing		
Cutout Size	125 mm x 125mm	160mm x 160mm	195mm x 195mm
Face Plate	Available in white finish		
Overall size	145 mm	180mm	215mm
Weight	600g	800g	950g
Power Factor (Pf)	>0.9		
Certification	CE , ROHS, SAA (others available on request)		
Warranty	3 Years warranty		
Age Testing	48 working hours with intermittent switching		
ECO1 Smart Control features (ECO1 CT series only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Amazon Alexa control. See ECO1 Smart Control catalogue for more information.		

Note : Lights are available in white finish

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Control everthing in your home or office from anywhere

The Hand Held Remote can be used for local wireless control only available for DLQ CT Series

SLIMLINE DOWNLIGHT SERIES

Slimline LED recessed 12W to 24W high output light fittings are ideal in commercial lighting applications where there is limited space in the ceiling to mount standard lighting. These slimline downlights are available in standard single colour temperature or ECO1 Smart Control App controlled or Hand Held Remote. This downlight has an ultra smooth variable colour range adjustment from warm white (3000K) to cool white (6000K) depending on the mood required in the room. This fitting has a smooth dimming range from 2% to 100% to give even further flexibility in lighting control.

Product Code	SLRQ180CT	SLRQ210CT	SLRQ225CT	SLRQ300CT
	Other sizes and power options available on request			
Voltage (V)	AC100-240V 50/60Hz			
Wattage (W)	12 W	15W	18W	24W
Chip Type	Epistar SMD2835			
Lumen (Lm)	1200lm	1200lm	1440lm	1920lm
Beam Angle	120˚			
CRI	>80Ra			
Colour temp	infinitly variable from : Warm White(WW) : 3000K to Cool White(CW) : 6000K SLRQ CT series only			
Dimming	Dimmable range 2% -100%			
IP Rating	IP44 Indoor use			
Material	Aluminium housing + PMMA light guide			
Cutout Size	160 mm	185mm	210mm	285mm
Face Plate	Available in white or silver			
Weight	430g	500g	625g	750g
Packaging size	21x25x4cm	23x27x4cm	24x28.5x4cm	31x35x4cm
Carton size	43x41x26cm	47x41x28cm	49x41x30cm	62x41x36cm
	20pcs 8.5Kg	20pcs 10Kg	20pcs 12.5Kg	10pcs 15Kg
Power Factor (Pf)	>0.9			
Certification	CE , ROHS, SAA (others available on request)			
Warranty	3 Years warranty			
Age Testing	48 working hours with intermittent switching			
ECO1 Smart Control features (SLRQ CT series only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Google home and Amazon Alexa control. See ECO1 Smart Control catalogue for more information.			

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The Hand Held Remote can be used for local wireless control only available for SLRQ CT series only

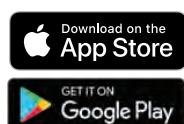ECO1 Smart Control App free download control your lighting from anywhere

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SLIMLINE DOWNLIGHT SERIES

The slimline LED recessed downlight 10W to 18w fittings are ideal for general lighting. They are also ideal in commercial lighting applications where there is limited space in the ceiling to mount standard lighting. These slimline downlights are available in standard switchable colour temperature or the CT series can be controlled via the ECO1 App or Hand Held Remote. This downlight has an ultra smooth colour range adjustment from warm white (3000K) to cool white (6000K), depending on the mood required in the room. This fitting has ultra smooth dimming range from 2% to 100% to give even further flexibility in lighting control.

Product Code	SLR180	SLR210	SLR235	SLR280
Voltage (V)	AC100-240V 50/60Hz			
Wattage (W)	10 W	13W	16W	18W
Chip Type	Epistar SMD2835			
Lumen (Lm)	930lm	1210lm	1440lm	1620lm
Beam Angle	120˚			
CRI	>80Ra			
Colour temp	infinitly variable from : Warm White(WW) : 3000K to Cool White(CW) : 6000K (ECO1 CT series only)			
Dimming	Dimmable range 2% -100%			
IP Rating	IP44 Indoor use			
Material	Aluminum housing + PMMA light guide			
Cutout Size	160 mm	180mm	220mm	280mm
Face Plate	Available in white or silver			
Overall size	160 mm	180mm	220mm	280mm
Weight	200g	250g	380g	470g
Power Factor (Pf)	>0.9			
Certification	CE , ROHS, SAA (others available on request)			
Warranty	3 Years warranty			
Age Testing	48 working hours with intermittent switching			
ECO1 Smart Control features (ECO1 CT series only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Google home and Amazon Alexa control. See ECO1 Smart Control catalogue for more information.			

Control everthing in your home or office from anywhere

Original Epistar LEDs
High CRI, Bright light

3mm light guide plate
Uniform transmission

The Hand Held Remote can be used for local wireless control available for SLR CT series only
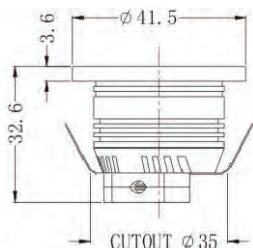
MINATURE DOWNLIGHT SERIES

Miniature LED downlight fittings are so small that they can fit into places where it is not possible for conventional light fittings to fit. Their low heat generation make them safe to use in confined spaces. These fittings can be used for under bench lighting, kitchen bench top lighting, stair tread lighting, pathway lighting and many architectural applications. Now with the ECO1 Smart App and the RGBW Controller we can dim and setup other colour changing functions.

Product Code	Voltage (V)	Wattage (W)	Luminous FLux (Lm)	LED Chip Type	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
DLM1230	12V DC	3W	200	CREE	45/30/15	35	WW/CW/R/G/B/Y	Yes
DLM1250	12V DC	3W	200	CREE	50	35	WW/CW/R/G/B/Y	Yes
RCQ103	12V DC	3W	200	CREE	45/30/15	42	WW/CW	Yes
RCQ203	12V DC	6W	400	CREE	45/30/15	42	WW/CW	Yes
DLM-C3	CC	3W	200	EPISTAR	36	42	WW/CW	Yes

Note : Lights are available in silver finish, and can only be dimmable by using ECO1 system or AL3600RC, AL3200RC.

DLM1250

DLM1230

ø 41.5

3.6

32.6

CUTOUT ø 35

ø 41.5

2

23

CUTOUT ø 35

RCQ103

42

30

27

3

60

RCQ203

42   42

30   30

27

110

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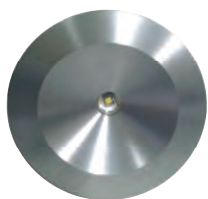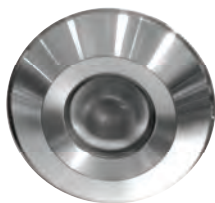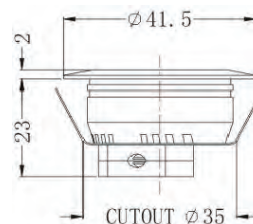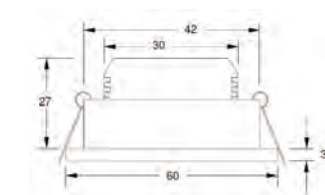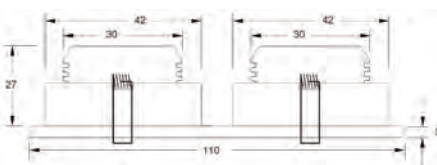
DLM-C3
(Only use DLM-C3 driver to control)

DLM-C3 Driver
can control up to 7 x DLM-C3
minature downlights comes complete with flex and plug

Minature downlights can be controlled with ECO1 Smart App using the RGBW Controller and control your lighting from anywhere

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DDLS12 DOWNLIGHT SERIES

The DDLS12 is designed with a robust aluminium finish. This fitting is suitable for a range of home or commercial lighting applications. Suitable for ceilings under 3 metres. The DDLS12 is a single colour option standard downlight. The DDLS12CT can be controlled by the ECO1 Smart Control App or Hand Held Remote. This fitting has ultra smooth variable colour range adjustment from warm white (3000K) or cool white (6000K) depending on the mood required in the room. This fitting also has a very smooth dimming range from 5% to 100% to give even further flexibility in lighting control.

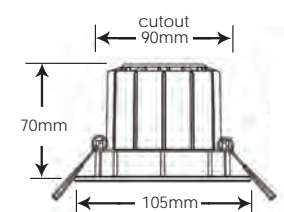|	
Product Code	DDLS12 , DDLS12CT
Voltage (V)	AC100-240V 50/60Hz
Wattage (W)	12 W
Chip Type	Epistar SMD2835
Lumen (Lm)	1210lm max
Beam Angle	120˚
CRI	>80Ra
Colour temp	DDLS12CT infinitly variable : (WW) : 3000K to (CW)6000K
	DDLS12 available in 3000K,4000K or 6000K
Dimming	Dimmable range 5% -100%
IP Rating	IP44 Indoor use
Dimensions	110mm x 47mm
Cutout Size	95 mm
Face Plate	Available in white or silver finish
	(Standard) 110mm ǿ
Weight	380g
Ambient temp	-30°C~+75°C
Carton size	40 pcs @ 58 x 47 x 25 cm (carton weight) 20Kg
Power Factor (Pf)	>0.9
Certification	Australian standards , EMC
Warranty	3 Years warranty
Age Testing	48 working hours with intermittent switching
Smart Control features (DDLS12CT only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Amazon Alexa control See ECO1 Smart Control catalogue for more information
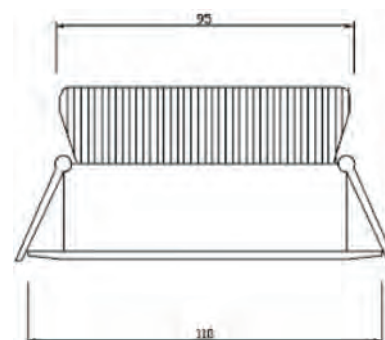
ECO1 Smart Control App free download control your lighting from anywhere

The hand held remote can be used for local wireless control available for DDLS12CT only

Brushed
Chrome ring Black ring White ring

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DLC900 DOWNLIGHT SERIES

The DLC900 Series is designed to give a high intensity focussed beam of light. This fitting is suitable for home or commercial lighting applications. The DLC900 switchable has a colour temperature selectable switch 3000K, 4000K and 6000K or the DLC900CT is controlled by the ECO1 Smart Control App or Hand Held Remote. This downlight has ultra smooth variable colour range adjustment from warm white (3000K) to cool white (6000K) depending on the room ambience required. Also with a very smooth dimming range from 5% to 100% giving further flexibility in lighting control.

Product Code	DLC900A-CT DLC900C-CT	DLC900B-CT DLC900D-CT	DLC900A-SW DLC900C-SW	DLC900B-SW DLC900D-SW
Voltage (V)	AC100-240V 50/60Hz			
Wattage (W)	12W			
Chip Type	Bridgelux COB			
Lumen (Lm)	960lm			
Beam Angle	45˚			
CRI	>80Ra			
Colour temp	infinitly variable from: (WW)3000K to (CW)6000K		colour temp switchable 3000K, 4000K, 6000K	
Dimming	Dimmable range 2% -100%		Dimmable	
IP Rating	IP20 Indoor use			
Dimensions	84 x 70/95mm	105 x 70/98mm	84 x 70/95mm	105 x 70/98mm
Cutout Size	70/76 mm	90mm	70/76 mm	90mm
Face Plate	Available in white, black, brushed chrome, chrome 84mm, 88mm diameter or 105mm diameter			
Weight	380g			
Packaging size	110w x 110d x 120 h (individual packaging)			
Carton size	20 pcs @ 63 x 27 x 25 cm (carton weight) 10Kg			
Power Factor (Pf)	>0.9			
Certification	EMC , SAA (others available on request)			
Warranty	3 Years warranty			
Age Testing	48 working hours with intermittent switching			
ECO1 Smart Control features (DLC900CT only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Amazon Alexa control. See ECO1 Smart Control catalogue for more information.			

cutout 76mm
95mm
37mm
84mm

cutout 90mm
98mm
40mm
105mm

DLC900A   DLC900B

cutout 70mm
70mm
88mm

cutout 90mm
70mm
105mm
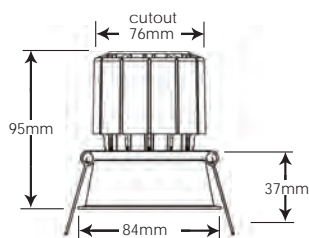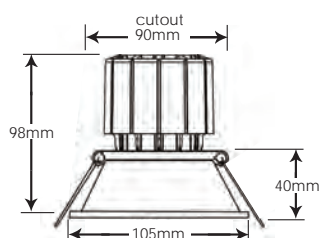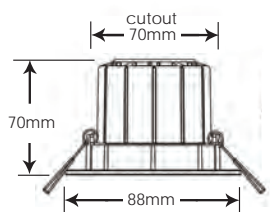
DLC900C   DLC900D

4 adaptable front faces available can be easily changed to make a different style fitting

The Hand Held Remote can be used for local wireless control available for DLC900CT only

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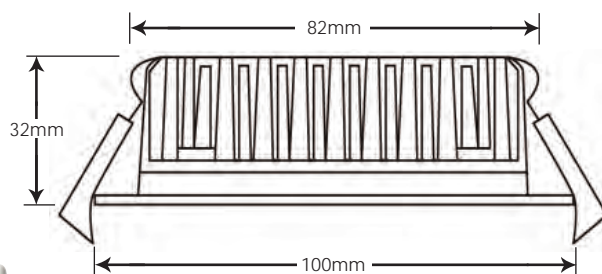
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DDLE10 DOWNLIGHT SERIES

The DDLE10 is designed with a robust aluminium finish. This fitting is suitable for a range of home or commercial lighting applications. DDLE10-SW has a colour temperature changing switch in the back and the DDLE10CT can be controlled by the ECO1 Smart Control App or Hand Held Remote. The DDLE10CT has an ultra smooth variable colour range from warm white (3000K) or cool white (6000K) depending on the mood required in the room. This fitting also has a very smooth dimming range from 5% to 100% to give even further flexibility in lighting control.

Product Code	DDLE10-SW DDLE10CT
Voltage (V)	AC100-240V 50/60Hz
Wattage (W)	10 W
Chip Type	Epistar SMD2835
Lumen (Lm)	980lm max
Beam Angle	120˚
CRI	>80Ra
Colour temp	DDLE10CT infinitly variable : (WW) : 3000K to (CW)6000K
	DDLE10-SW switchable colour temp 3000K,4000K,6000K
Dimming	Dimmable range 5% -100%
IP Rating	IP44 Indoor use
Dimensions	108mm x 36mm
Cutout Size	85 -95 mm
Face Plate	Available in white, black, brushed chrome, chrome
	(Standard) 108mm ǿ
Weight	380g
Ambient temp	-30°C~+75°C
Carton size	50 pcs @ 58 x 47 x 25 cm (carton weight) 20Kg
Power Factor (Pf)	>0.9
Certification	Australian standards , EMC , IC-4
Warranty	3 Years warranty
Age Testing	48 working hours with intermittent switching
Smart Control features (DDLE10CT only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Amazon Alexa control See ECO1 Smart Control catalogue for more information

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IC-4
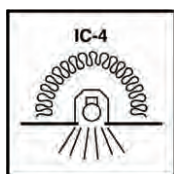
AS/NZS 60598.2.2 Passed IC-4 test Luminaires for ceilings filled with ceiling insulation

The Hand Held Remote can be used for local wireless control available for DDLE10CT only

82mm

32mm

100mm

Brushed Chrome ring   Black ring   White ring

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DL1720 DOWNLIGHTS

This high power downlight fitting utilises the latest LED Chip technology to give a very high lumen output together with low power consumption. Its compact size allows it to fit in place of a standard downlight with a 92mm cutout. Superior heat dissipation properties and high quality LED driver makes this downlight fitting very reliable. A great choice for any commercial lighting application.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
DL1720CW	240V AC	20W	>0.85	2160	130	90	6000 (CW)	Yes
DL1720NW	240V AC	20W	>0.85	2100	130	90	5000 (NW)	Yes
DL1720WW	240V AC	20W	>0.85	1980	130	90	3200 (WW)	Yes

Note : Lights are available in silver or white finish

BEAM ANGLE 130 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	114	4.33
1.5	50	6.51
2	28	8.67
2.5	18	10.85
3	12	13.02

92mm

120mm

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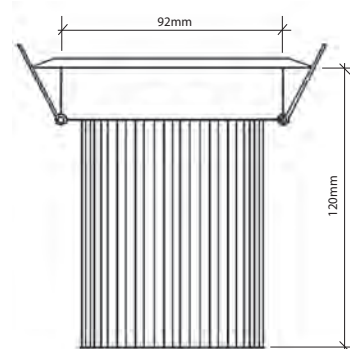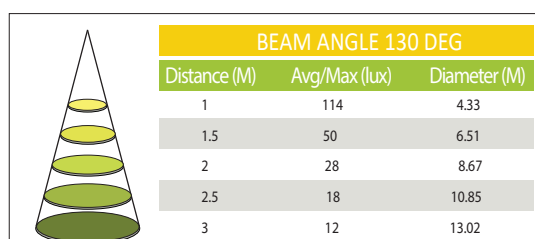
DL200 DOWNLIGHT SERIES

The DL200 series is designed for commercial lighting applications and projects where higher lighting levels are required. With anti glare diffuser, no Mercury, no UV light and excellent light stability and colour rendering options. DL200 series is available in standard colour temperature, switchable or CT series can be controlled with ECO1 Smart Control or Hand Held Rremote. This downlight has an ultra smooth variable colour range adjustment from warm white (3000K) to cool white (6000K) depending on the mood required in the room. This fitting has a very smooth dimming range from 2% to 100% to give even further flexibility in lighting control.
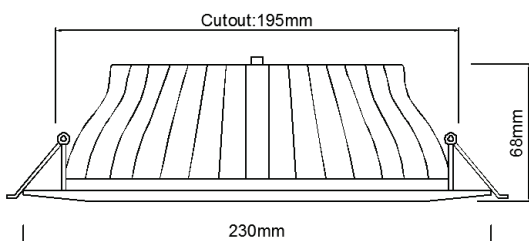
Product Code	DL20020	DL20028	DL20038
Voltage (V)	AC100-240V 50/60Hz		
Wattage (W)	20 W	28W	38W
Chip Type	Epistar SMD2835		
Lumen (Lm)	1800lm	2240lm	3440lm
Beam Angle	120˚		
CRI	>80Ra		
Colour temp	infinitly variable from : Warm White(WW) : 3000K to Cool White(CW) : 6000K (DL200 CT series only)		
Dimming	Dimmable range 2% -100%		
IP Rating	IP44 Indoor use or under covered areas		
Material	Aluminium housing + PC lens		
Cutout Size	200mm - 215mm		
Face Plate	Available in white, black, brushed chrome		
Weight	1100g		
Packaging size	23.5x 23.5 x 9cm		
Carton size	48x49x49cm 20pcs 24KG		
Power Factor (Pf)	>0.9		
Certification	CE , ROHS, SAA ,ICF(others available on request)		
Warranty	3 Years warranty		
Age Testing	48 working hours with intermittent switching		
ECO1 Smart Control features (DL200 CT series only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Amazon Alexa control. See ECO1 Smart Control catalogue for more information.		

Cutout:195mm

68mm

230mm

Download on the App Store

GET IT ON Google Play

ECO1

The Hand Held Remote can be used for local wireless control and available for DL200 CT series only

ECO1 Smart Control App free download control your lighting from anywhere

www.ledecolighting.com.au

LEDECOLIGHTING
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SHOPLIGHT SERIES

These LED Shoplighters have low power consumption. With a life span of more than 40,000 hrs, these shop lights produce no thermal radiation or UV rays, compared to traditional shop lights. Available in standard single colour temperature or CT series can be controlled with ECO1 Smart Control or Hand Held Remote. This Shoplight has an ultra smooth variable colour temperature adjustment from warm white (3000K) to cool white (6000K) depending on the required lighting in the room and a very smooth dimming range from 2% to 100% giving more flexible lighting control.

Product Code	SLB15038 SLB15038-CT	SLB15045 SLB15045-CT
Voltage (V)	AC100-240V 50/60Hz	
Wattage (W)	38W	45W
Chip Type	Samsung SMD 5630 chip	
Lumen (Lm)	3800lm	4500lm
Beam Angle	120˚	
CRI	>80Ra	
Colour temp	infinitly variable from : Warm White(WW) : 3000K to Cool White(CW) : 6000K (Shoplighter CT series only)	
Dimming	Dimmable range 2% -100%	
IP Rating	IP20 Indoor use Dry Environment	
Material	Aluminium frame + Glass lens	
Cutout Size	220 x 130 mm	
Finish colour	Available in white or silver	
Weight (each)	2 kg	
Packaging size	25x16x15cm	
Qty Carton	8pcs per carton (individual packaging boxes)	
Power Factor (Pf)	> 0.9	
Certification	CE , ROHS, SAA (others available on request)	
Warranty	3 Years warranty	
Age Testing	48 working hours with intermittent switching	
ECO1 Smart Control features (Shoplighter CT series only)	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Amazon Alexa control. See ECO1 Smart Control catalogue for more information.	

Download on the App Store

GET IT ON Google Play

ECO1 Smart Control App free download control your lighting from anywhere

245mm

160mm

16.75

137mm
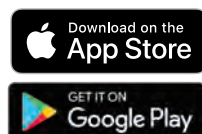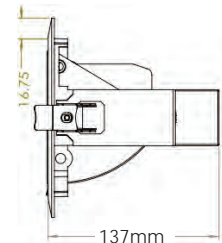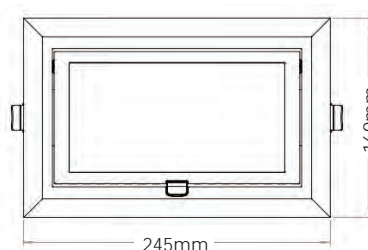
The Hand Held Remote can be used for local wireless control only available for Shoplighter CT series

38W ROUND SHOP LIGHTERS

This LED shop lighter replaces traditional round 70W and 150W metal halide shoplighters, with lower heat generation, low power and a high lumen output. With stronger spring clamps for easier installation, this shoplighter is the ideal replacement choice.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Dimmable
RSL7038WW	240V AC	38W	>0.85	3200	60	>80	3000 K	Yes
RSL7038NW	240V AC	38W	>0.85	3250	60	>80	5000 K	Yes

132

Ø195
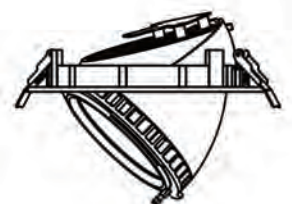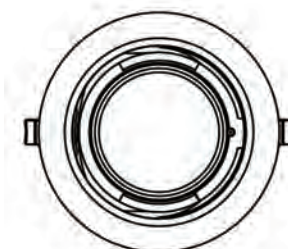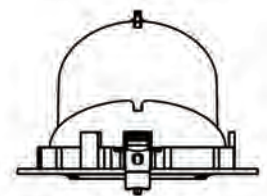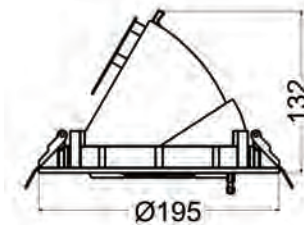
BEAM ANGLE 48 DEG 5000K		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	1165	1.34
2	291	2.68
3	129	4.03
4	72	5.37
5	47	6.72

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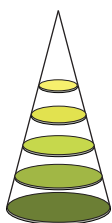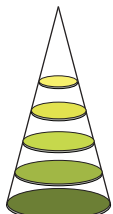
COMMERCIAL TRACK LIGHTS
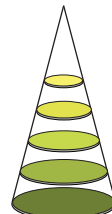
These high power LED track light fittings are designed to replace 70W metal halide track fittings with lower heat generation, low power consumption and a high lumen output. The new architecturally designed housing makes this track light fitting an ideal choice.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Dimmable
TRA-20-SD-WW	240V AC	20W	>0.85	1840	24 or 60	>80	3000 K	Yes
TRA-20-SD-NW	240V AC	20W	>0.85	1820	24 or 60	>80	5000 K	Yes
TRA-30-SD-WW	240V AC	30W	>0.85	2710	24 or 60	>80	3000 K	Yes
TRA-30-SD-NW	240V AC	30W	>0.85	2750	24 or 60	>80	5000 K	Yes
TRA-40-SD-WW	240V AC	40W	>0.85	3495	24 or 60	>80	3000 K	Yes
TRA-40-SD-NW	240V AC	40W	>0.85	3570	24 or 60	>80	5000 K	Yes

Note : Lights are available in silver , white or black finish, other colour temperatures also available

80mm
90mm
120mm

20W TRACK FITTING

80mm
90mm
140mm

30W TRACK FITTING

80mm
90mm
160mm

40W TRACK FITTING
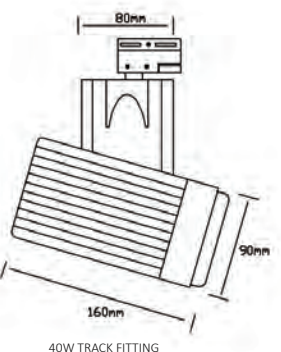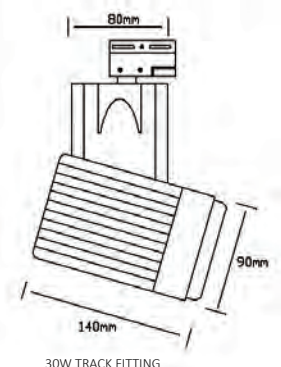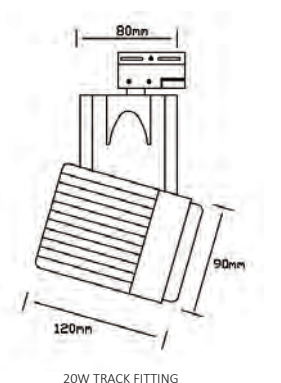
BEAM ANGLE 24 DEG 5000K		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	5750	0.402
1.5	2550	0.603
2	920	1.05
2.5	490	1.47
3.0	284	1.89

BEAM ANGLE 60 DEG 5000K		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	1988	1.08
1.5	883	1.62
2	497	2.16
2.5	318	2.71
3.0	220	3.25

18W - 22W REFLECTOR DOWNLIGHTS

These reflector LED downlights complete with 60 degree lens provides good light intensity where it is needed. Consuming less power compared with conventional commercial lighting products, but at the same time offering high light output, with excellent light stability and colour render.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
DL41120CW	240V AC	18W	>0.85	1570	60	95	6000 (CW)	Yes
DL41120NW	240V AC	18W	>0.85	1540	60	95	5000 (NW)	Yes
DL41120WW	240V AC	18W	>0.85	1520	60	95	3200 (WW)	Yes
DL42140CW	240V AC	22W	>0.85	2075	60	125	6000 (CW)	Yes
DL42140NW	240V AC	22W	>0.85	2045	60	125	5000 (NW)	Yes
DL42140WW	240V AC	22W	>0.85	2020	60	125	3200 (WW)	Yes

Note : Lights are available in silver or white finish also and available in CRI <90

DL41120

DL42140

BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	1043	1.08
1.5	464	1.61
2	261	2.15
2.5	166	2.69
3	116	3.23

BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	1320	1.08
1.5	586	1.61
2	330	2.15
2.5	211	2.69
3	146	3.23

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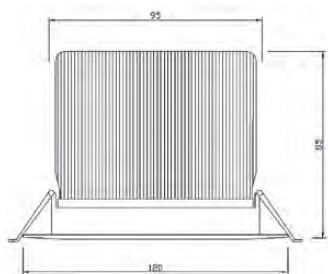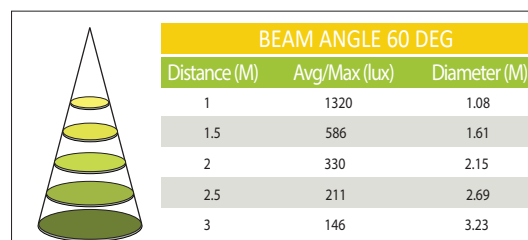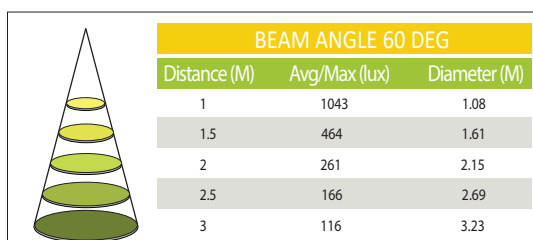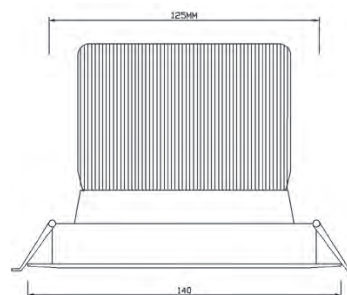
30W - 45W REFLECTOR DOWNLIGHTS

These reflector LED downlights complete with 60 degree lens provides good light intensity where it is needed, consuming less power compared with conventional commercial lighting products. At the same time offering high light output, with excellent light stability and colour render.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
DL43140CW	240V AC	30W	>0.85	2500	60	140	6000 (CW)	Yes
DL43140NW	240V AC	30W	>0.85	2460	60	140	5000 (NW)	Yes
DL43140WW	240V AC	30W	>0.85	2370	60	140	3200 (WW)	Yes
DL45180CW	240V AC	45W	>0.85	3500	60	160	6000 (CW)	Yes
DL45180NW	240V AC	45W	>0.85	3410	60	160	5000 (NW)	Yes
DL45180WW	240V AC	45W	>0.85	3340	60	160	3200 (CW)	Yes

Note : Lights are available in silver or white finish and also available in CRI <90

DL45180

DL43140
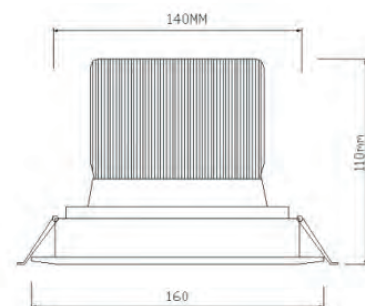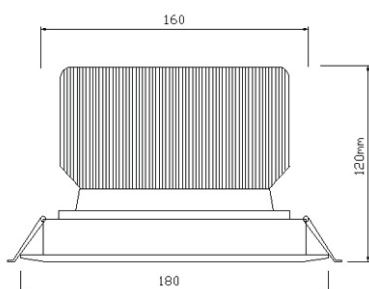
BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	2992	1.08
1.5	1330	1.61
2	748	2.15
2.5	468	2.69
3	332	3.23

BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	1770	1.08
1.5	760	1.61
2	427	2.15
2.5	273	2.69
3	190	3.23

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GEN-X 75W - 200W LED HIGHBAYS

75W - 200W LED High Bay fittings are ultra high output with unique heatsink design that increases heat dissipation efficiency. With its phase change radiator technology means this highbay range operates cooler therefore increasing the life span. Coupled with a high quality "MEANWELL" driver and Nichia chip, this ensures the highest quality unbeatable efficiency.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Weight (Kg)	CRI	Beam Angle	Colour Temp	Dimmable
HBL75NAL	240V AC	75W	11850	3.45	>80	120/71	3000-6000K	No
HBL95NAL	240V AC	95W	14010	3.85	>80	120/71	3000-6000K	No
HBL135NAL	240V AC	135W	20330	4.10	>80	120/71	3000-6000K	No
HBL160NAL	240V AC	160W	25260	4.45	>80	120/71	3000-6000K	No
HBL200NAL	240V AC	200W	31780	4.75	>80	120/71	3000-6000K	No
HBL75NDAL	240V AC	75W	11850	3.45	>80	120/71	3000-6000K	Yes
HBL95NDAL	240V AC	95W	15010	85	>80	120/71	3000-6000K	Yes
HBL135NDAL	240V AC	135W	21330	4.10	>80	120/71	3000-6000K	Yes
HBL160NDAL	240V AC	160W	25260	4.45	>80	120/71	3000-6000K	Yes
HBL200NDAL	240V AC	200W	31780	4.75	>80	120/71	3000-6000K	Yes

* NICHIA LM-80 L(70) calculated lifetime 134,000 hours
*Meanwell Driver and Nichia chip
*Ambient temperature range : -30°C~+65°C
*Dimming Modes : Resistance, 1-10V, 10V PWM.
*Dali Addressable also available
*Daylight harvesting and occupancy sensor models also available
* Reflector, Heatsink and driver housing are all anodised aluminium finish
* Fitting is IP54 rated and can be used for outdoor areas

Certification / Warranty   Australian safety certification / **7 Year Warranty**

NICHIA chip inside

Please touch me! !
(The temperature is **under 45°C** after 8 hours operation)

45°C

Our Phase-change heatsink is specifically designed with special material that dissapates an enormous amount of heat very quickly. The Phase-change heatsink controls the temperature of lamp under 45°C through heat conduction, heat convection, and heat radiation. It allows the LED chips to achieve its highest performance, lower light decay, and long-lifespan.

LEDECOLIGHTING
CREATING A SMARTER & BRIGHTER FUTURE

GEN-X 75W - 200W LED HIGHBAYS

NICHIA chip inside

MW MEANWELL

FEATURES

High LM/W LED

- Design for high-brightness and low power consumption .
- 75W = 250W MH
- 95W = 400W MH
- 135W = **+**400W MH
- Quick connect, driver.
- Phase-change Heatsink to ensure excellent heat dissipation.
- Competative pricing and high quality
- Light, smart and professional fixture design
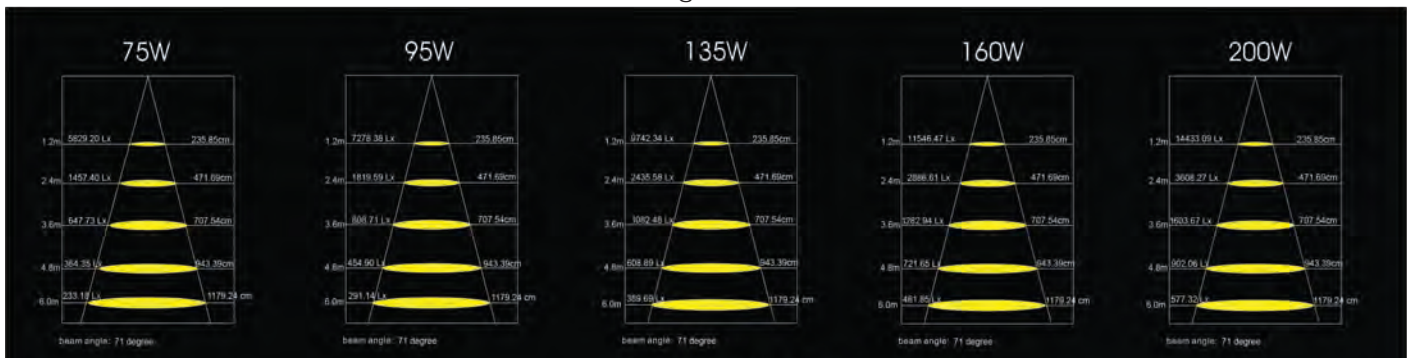
AL REFLECTOR

DRIVER

PHASE CHANGE HEATSINK

PCB

PC COVER

139mm / 80mm / 140mm	139mm / 80mm / 260mm	135mm / 120mm / 140mm	135mm / 120mm / 265mm
ø 496mm	ø 410mm	ø 496mm	ø 431mm

71 Degree Reflector

120 Degree Reflector
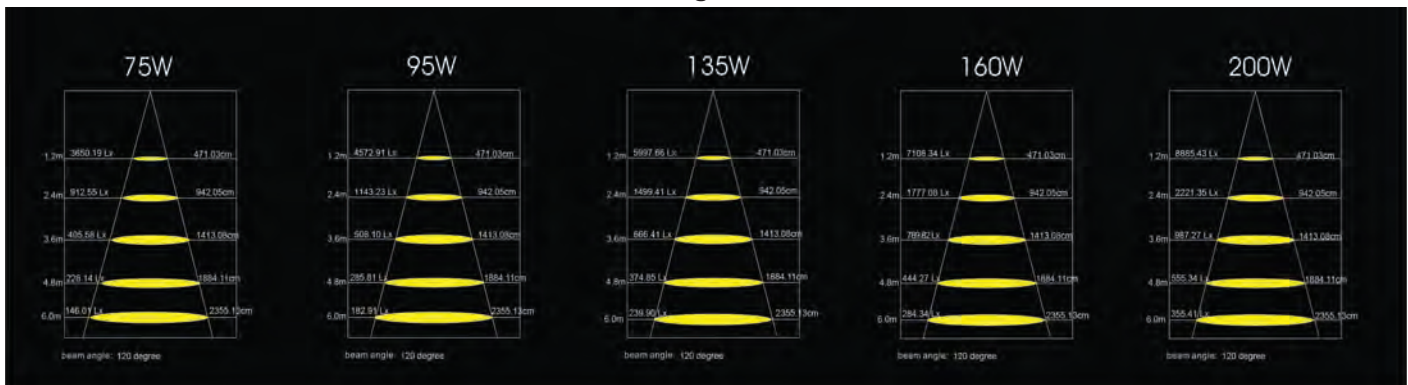
LEDECOLIGHTING
CREATING A SMARTER & BRIGHTER FUTURE

100W - 240W UFO HIGHBAYS

100W - 240W LED High Bay fittings are designed with high efficiency heatsink and rated IP65 for outdoor use with 150Lm/W . Combined with Phillips lumiled 3030 chips and a high quality "MEANWELL" driver this ensures the highest quality unbeatable efficiency.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Weight (Kg)	CRI	Beam Angle	Colour Temp	Dimmable
HB100U-133	240V AC	100W	15000	3.45	>80	60°/ 90°/120°	3000-5000K	Optional
HB150U-210	240V AC	150W	22500	3.85	>80	60°/ 90°/120°	3000-5000K	Optional
HB200U-280	240V AC	200W	30000	4.10	>80	60°/ 90°/120°	3000-5000K	Optional
HB240U-280	240V AC	240W	36000	4.45	>80	60°/ 90°/120°	3000-5000K	Optional

Certification / Warranty : Australian safety certification / **5 Year Warranty**

**Control Option** 1-10V dimming control / DALI control / Daylight control / Motion sensor control

MW
MEANWELL

Meanwell
quality driver

Better
cooling

Well spaced SMD
Lumileds chip,
large diameter
circuit board and
heat sink interface

IP65
Protection
rating

Tough protection-
PC safety diffuser

Mounting Options
Hanging / Bracket

Hanging chain

Eyebolt

Light

Bracket

Light
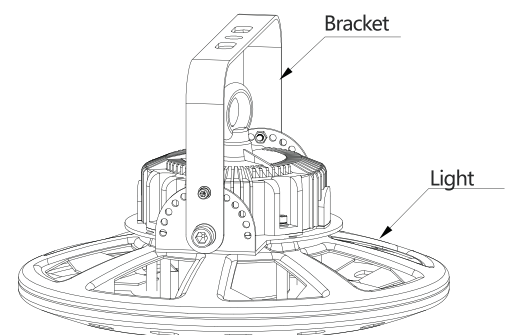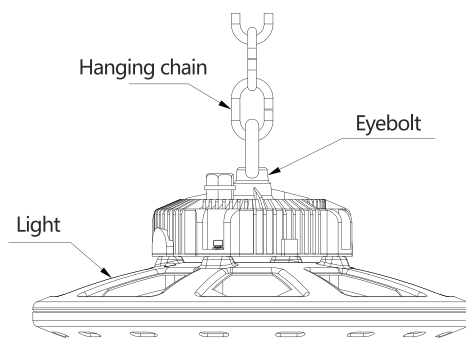
100W - 240W UFO HIGHBAYS

Dimension drawing

Ø250

Ø240

Ø400

Ø400

59
125
(170)

68
135
(180)

79
148
(194)

79
148
204

100W   **150W**   **200W**   **240W**

Photometric Diagrams

-/+180
-150   150
-120   120
-90   90
1000
2000
3000
-60   60
4000
5000
-30   30
0

UNIT:cd
C0/180,112.4
C30/210,112.0
C60/240,112.4
C90/270,112.8

AVERAGE BEAM ANGLE(50%):120 DEG

-/+180
-150   150
-120   120
-90   90
5000
10000
15000
-60   60
20000
-30   30
25000
0

UNIT:cd
C0/180,55.9
C30/210,56.0
C60/240,56.4
C90/270,56.4

AVERAGE BEAM ANGLE(50%):60 DEG

-/+180
-150   150
-120   120
-90   90
4000
8000
12000
-60   60
16000
-30   30
20000
0

UNIT:cd
C0/180,90.6
C30/210,89.2
C60/240,89.2
C90/270,89.5

AVERAGE BEAM ANGLE(50%):90 DEG

Height	Eavg,Emax	Diameter
1m	1444,48831lx	298.64cm
2m	361.0,12211lx	597.28cm
3m	160.4,542.51lx	895.92cm
4m	90.25,305.21lx	1194.56cm
5m	57.76,195.31lx	1493.20cm
6m	40.11,135.61lx	1791.84cm
7m	29.47,99.651lx	2090.48cm
8m	22.56,76.291lx	2389.12cm
9m	17.83,60.281lx	2687.76cm
10m	14.44,48.831lx	2986.40cm

Height   Eavg,Emax   Angle:120 deg   Diameter
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Height	Eavg,Emax	Diameter
1m	12512,214371lx	106.09cm
2m	3128,53591lx	212.19cm
3m	1390,23821lx	318.28cm
4m	782.0,13401lx	424.37cm
5m	500.5,857.51lx	530.47cm
6m	347.6,595.51lx	636.56cm
7m	255.3,437.51lx	742.65cm
8m	195.5,335.01lx	848.74cm
9m	154.5,264.71lx	954.84cm
10m	125.1,214.41lx	1060.93cm

Height   Eavg,Emax   Angle:60 deg   Diameter
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

Height	Eavg,Emax	Diameter
1m	6868,155601lx	198.38cm
2m	1717,38901lx	396.75cm
3m	763.1,17291lx	595.13cm
4m	429.2,972.51lx	793.51cm
5m	274.7,622.41lx	991.89cm
6m	190.8,432.21lx	1190.26cm
7m	140.2,317.51lx	1388.64cm
8m	107.3,243.11lx	1587.02cm
9m	84.79,192.11lx	1785.39cm
10m	68.68,155.61lx	1983.77cm

Height   Eavg,Emax   Angle:90 deg   Diameter
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

100W   **150W**   **200W**

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80W - 180W UFO HIGHBAYS

80W - 180W LED High Bay fittings are designed with high efficiency heatsink and are IP65 rated. Combined with Phillips lumiled chips and a high quality "PHILLIPS" driver, this ensures the highest quality and cost effective fitting. With an ultra high efficiency of **170Lm/W** makes this the perfect choice for highend lighting applications that require low power consumption and higher light levels .

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Weight (Kg)	CRI	Beam Angle	Colour Temp	Dimmable
HBF80	240V AC	80W	13600	3.45	>80	90°/120°	3000-5000K	Yes Standard
HBF100	240V AC	100W	17000	3.85	>80	90°/120°	3000-5000K	Yes Standard
HBF130	240V AC	130W	22100	4.10	>80	90°/120°	3000-5000K	Yes Standard
HBF150	240V AC	150W	25500	4.45	>80	90°/120°	3000-5000K	Yes Standard
HBF180	240V AC	180W	30600	4.75	>80	90°/120°	3000-5000K	Yes Standard

Certification / Warranty : Australian safety certification / **Up to 7 Year Warranty**

Control Option 1-10V dimming control / DALI control / Daylight control / Motion sensor control

80/100W   130/150W   180W

80W   100W   130W   150W   180W

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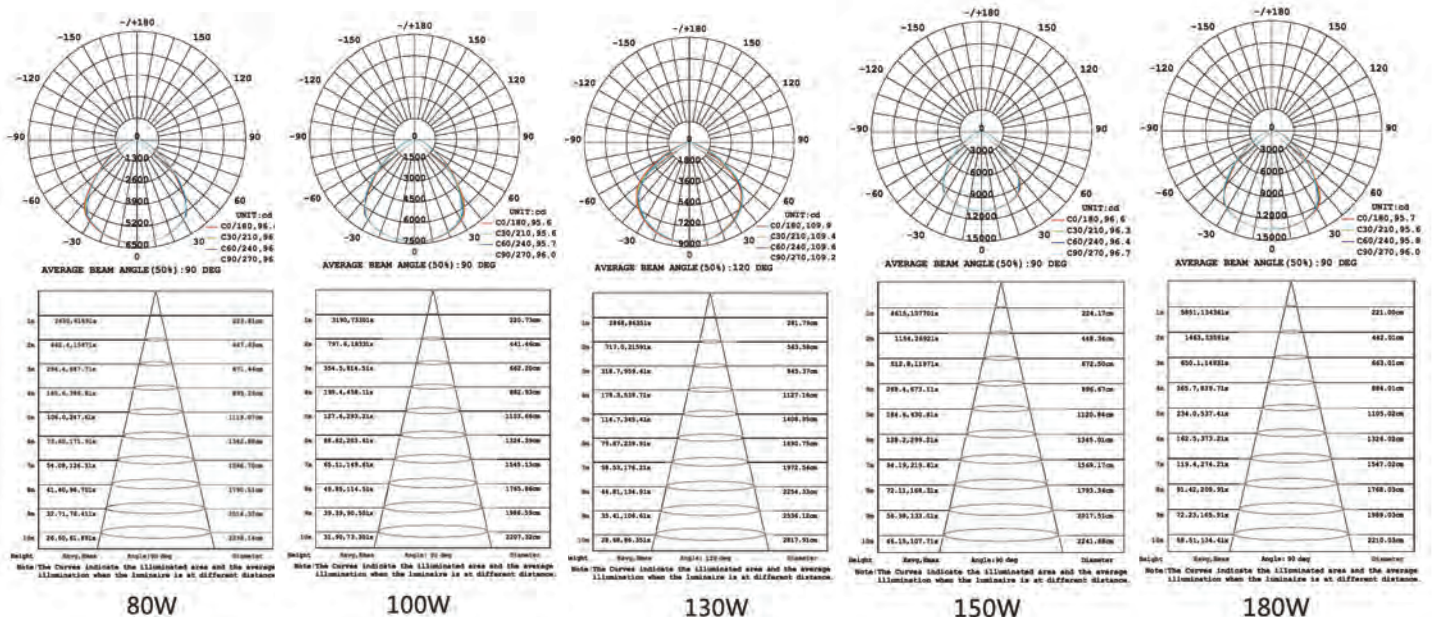
100W - 240W UFO HIGHBAYS

100W - 240W LED High Bay fittings are designed with high efficiency heatsink and are IP65 rated. Combined with Phillips Lumileds and a high quality "SOSEN" driver ,this high efficiency of **165Lm/W +** makes ideal for highend lighting applications that require low power consumption

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Weight (Kg)	CRI	Beam Angle	Colour Temp	Dimmable
HBTL100	240V AC	100W	16500	3.75	>80	60°/90°/120°	3000-6000K	Optional
HBTL150	240V AC	150W	24750	4.35	>80	60°/90°/120°	3000-6000K	Optional
HBTL200	240V AC	200W	33000	4.60	>80	60°/90°/120°	3000-6000K	Optional
HBTL240	240V AC	240W	39700	5.9	>80	60°/90°/120°	3000-6000K	Optional

Certification / Warranty : Australian safety certification / **5 Year Warranty**

Control Option   DALI control / Daylight control / Motion sensor control
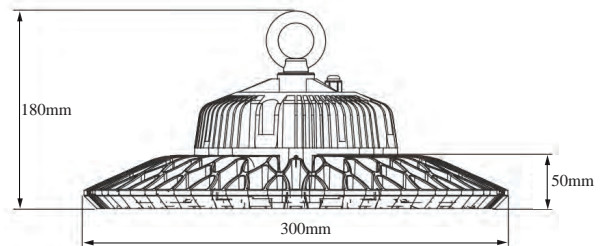
HBTL100
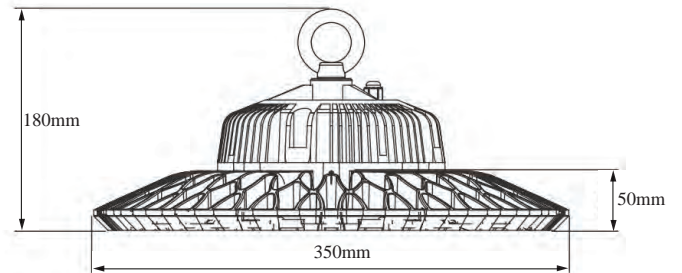
HBTL150

HBTL200 /HBTL240

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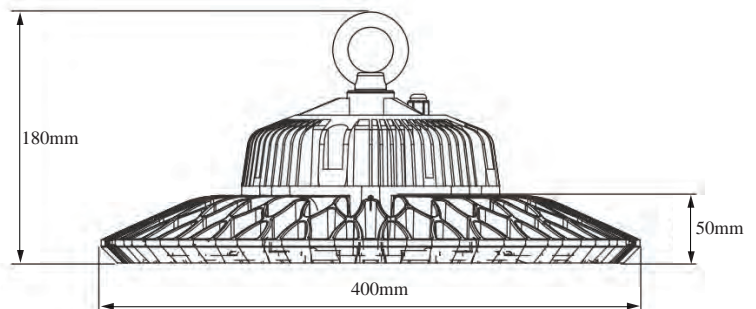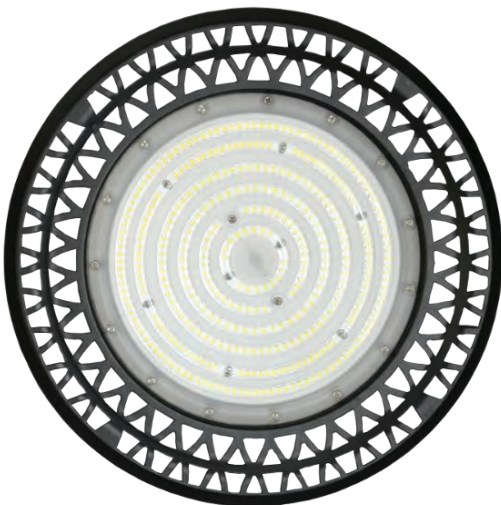
TRACK MOUNT FITTINGS

Track mounted LED spot fittings have a wide range of applications in both commercial or domestic installations where low heat and energy saving is essential. Ideal for lighting display cabinets, highlighting paintings, art galleries, home lighting and shop display lighting plus many other applications.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Dimmable
TRA12WW	240V AC	12W	>0.85	860	45	> 80	3000 (WW)	Yes
TRA124K	240V AC	12W	>0.85	910	45	> 80	4000 (4K)	Yes
TRA12NW	240V AC	12W	>0.85	950	45	> 80	5000 (NW)	Yes

Note : Lights are available in black or white finish

Track :
ModelNo. TRA100, TRA200

Inline Joiner :
ModelNo. TRAIJ

Live End :
ModelNo. TRALE

Right Angle Joiner :
ModelNo. TRARJ

Tee Joiner :
ModelNo. TRATJ

Tee Joiner :
ModelNo. TRAXJ

BEAM ANGLE 45 DEG		
Distance (M)	Max (lux)	Diameter (M)
1	739	1.10
1.5	328	1.66
2	185	2.21
2.5	118	2.77
3	82	3.32

112m

35mm

50mm

50mm

130mm
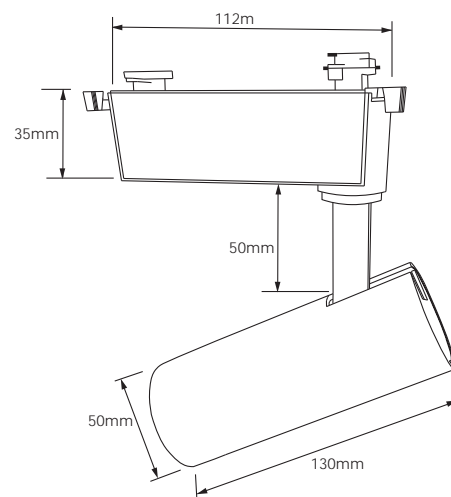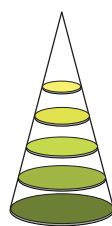
SURFACE MOUNT DOWNLIGHT FITTINGS

These surface mount downlights with there slimline design with a variety of options including light sensor, motion sensor, power selectable, colour temperature selectable, dimmable and also available in square or round. These fittings are simple and fast to install, either in place of an existing downlight or directly fixed to the ceiling makes this light suitable for a wide range of lighting applications.

Product Code	Voltage (V)	Wattage (W)	Product Discription	CRI	Luminous Flux (Lm)	Colour temp	Dimensions
SmartEdge-18W	240V AC	18W	Single colour non-dimmable	< 80	1600-1900	3000K,4000K or 6000K	220x18
SmartEdge-18W-D	240V AC	18W	Single colour dimmable	< 80	1600-1900	3000K,4000K or 6000K	220x18
SmartEdge-18W-CPTC	240V AC	18W	Switchable colour temp non-dimmable	< 80	1600-1900	Selectable CCT	220x18
SmartEdge-18W-IR	240V AC	18W	Movement sensor non dimmable	< 80	1600-1900	3000K,4000K or 6000K	220x18
SmartEdge-18W-CPIR	240V AC	18W	Switchable colour temp movement sensor non-dimmable	< 80	1600-1900	Selectable CCT	220x18
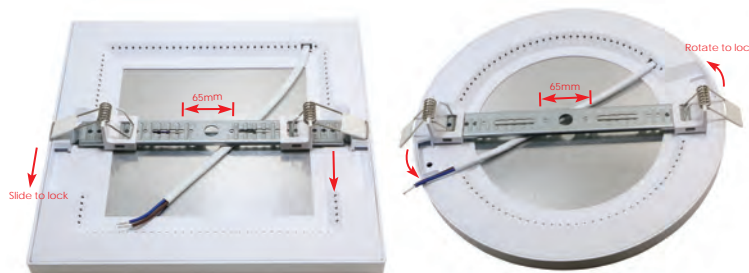
Spring loaded adjustable mounting clip allows simple and fast installation.
Can be installed over an existing downlight hole from 65mm or remove the clips and surface mount directly to the ceiling by simply twisting and locking into place.

Power adjustable
10W / 15W / 18W

Power adjustable
10W / 15W / 18W

Sensor Switch

Switch 2: Night motion sensor mode
Switch 3: Sensor ON/OFF
Switch 1: 30/180s sensor duration time setting
Switch 2: All motion sensor mode
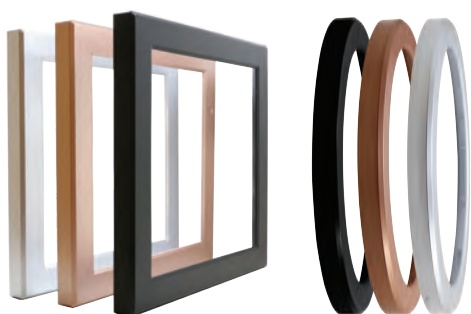
changable face plates are available in black rose gold or white finish

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IP54 OYSTER LIGHT FITTINGS

This stylish ceiling mount LED oyster light fitting with all polycarbonate construction and IP54 rating makes it ideal for indoor and outdoor areas. Ideal for under outdoor patios, bathrooms, plus many more lighting applications where a wide light spread is required.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Dimentions	CRI	Colour temp	Dimmable
WCL12	240V AC	12W	>0.85	1100(CW)	200x40mm	> 80	3200/5000K	Yes
WCL18	240V AC	18W	>0.85	1620(CW)	250x40mm	> 80	3200/5000K	Yes
WCL25	240V AC	25W	>0.85	2200(CW)	300x40mm	>80	3200/5000K	Yes

Ambient temperature range -20°C~+50°C

IP54 rating suitable for outdoor covered areas

Quick fit mounting bracket

Polycarbonate construction suitable for seaside areas

IP54 OYSTER LIGHT FITTINGS

This stylish ceiling mount LED oyster light fitting with all polycarbonate construction and IP54 rating makes it ideal for indoor and outdoor areas. Ideal for under outdoor patios, bathrooms, and many more lighting applications where a wide light spread is required.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Dimentions	CRI	Colour temp	Dimmable
SMO12S	240V AC	12W	>0.85	1250(CW)	200x46mm	> 80	3000K,4000K,6000K	Yes
SMO18S	240V AC	18W	>0.85	1680(CW)	250x46mm	> 80	3000K,4000K,6000K	Yes
SMO24S	240V AC	24W	>0.85	2240(CW)	300x52mm	>80	3000K,4000K,6000K	Yes
SMO12D	240V AC	12W	>0.85	1250(CW)	200x96mm	> 80	3000K,4000K,6000K	Yes
SMO18D	240V AC	18W	>0.85	1680(CW)	250x96mm	> 80	3000K,4000K,6000K	Yes
SMO24D	240V AC	24W	>0.85	2240(CW)	300x96mm	>80	3000K,4000K,6000K	Yes

Ambient temperature range -20°C~+50°C

IP54 rating suitable for outdoor covered areas

Smart lamp base

Cables come in here
Can loop in loop out

Terminal
Can be big screw terminal
or fast push terminal

PEC
Perfect electric conductor

Safeguard PC
For electric protection

Screw mounting holes

Mounting hooks

Positioning frame

Main body

Pogo pins

3CCT switch

⚡ **Twisting Lock**

OPEN

CLOSE

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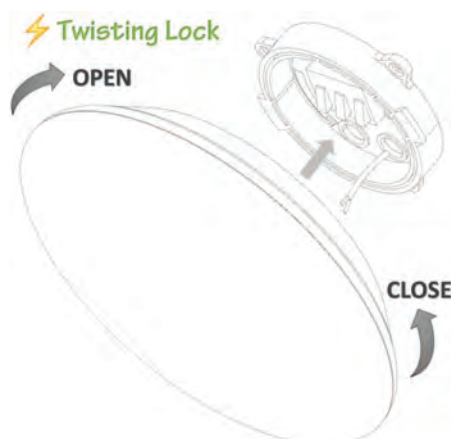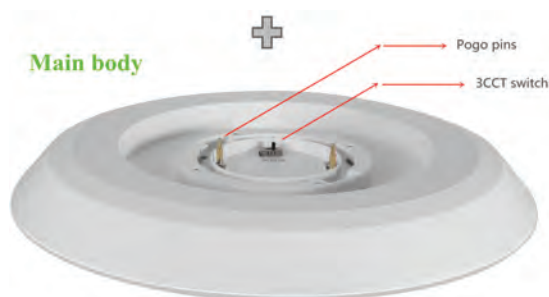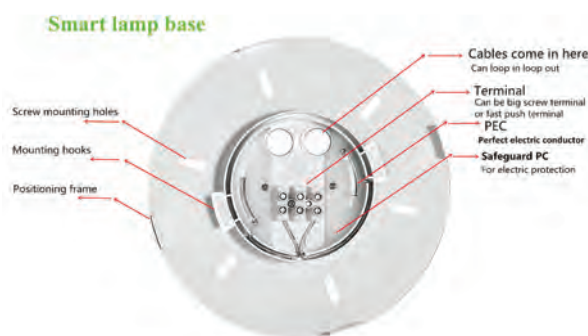
SURFACE MOUNT DOWNLIGHT FITTINGS

LED surface mount downlight fittings are a stylish option where there is limited or no ceiling space. A great option if you need to maintain the insulation integrity in the ceiling space. With lower heat generation, low power and high lumen output, makes the ideal choice for replacing traditional halogen fittings.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Beam Angle	Size	CRI	Colour Temp	Dimmable
SMT10	240V AC	10W	910	24/38/60	90Dia x100L	>80	3000-6000	Yes
SMT15	240V AC	15W	1370	24/38/60	90Dia x100L	>80	3000-6000	Yes
SMT25	240V AC	25W	2370	24/38/60	120Dia x110L	>80	3000-6000	Yes
SMT35	240V AC	35W	3320	24/38/60	160Dia x120L	>80	3000-6000	Yes

Note : Lights are available in black or white finish and custom colours also available on request

SMT10 & SMT15   SMT25   SMT35

25w BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	598	1.15
1.5	266	1.73
2	149	2.31
2.5	96	2.89
3	67	3.46

25w BEAM ANGLE 38 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	1240	0.69
1.5	551	1.03
2	310	1.38
2.5	158	1.72
3	137	2.07

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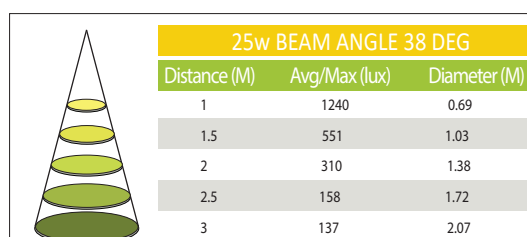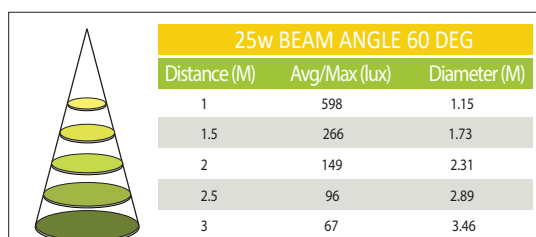
# SLIMLINE WEATHERPROOF BATTEN

Slimline weatherproof IP65 light fittings are made with an aluminium base and PC cover making the construction strong and durable and simple to install via a plug in and plug out method. Fittings can be linked together directly with the linking cables that come in various lengths. Designed for easy installation and ideal where slim design and high brightness is required.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Size	Dimmable
SWB-400	240V AC	10W	>0.85	1200	150	> 80	3000K-6000K	L 400mm	0-10v Optional
SWB-600	240V AC	18W	>0.85	2160	150	> 80	3000K-6000K	L 600mm	0-10v Optional
SWB-900	240V AC	24W	>0.85	2880	150	> 80	3000K-6000K	L 900mm	0-10v Optional
SWB-1200	240V AC	30W	>0.85	3600	150	> 80	3000K-6000K	L 1200mm	0-10v Optional
SWB-1500	240V AC	40W	>0.85	4800	150	> 80	3000K-6000K	L 1500mm	0-10v Optional

WATER-PROOF

DUST-PROOF

CORROSION-PROOF
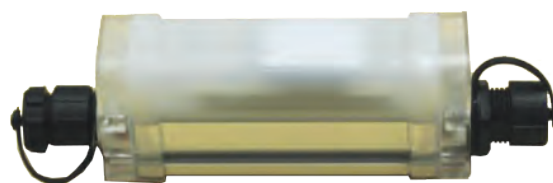
Microwave sensor attachment
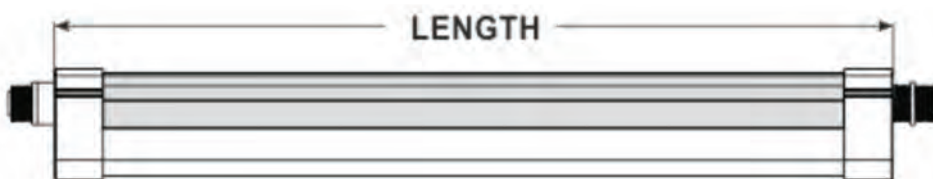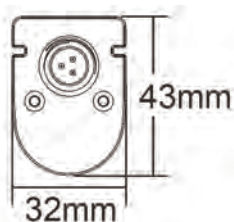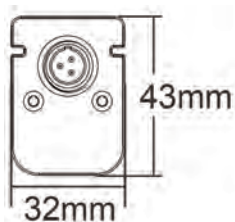
43mm

32mm

43mm

32mm

LENGTH

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SLIMLINE WEATHERPROOF BATTEN

Slimline weatherproof IP65 light fittings can be surface mounted or suspension mounted. The specially designed clip system ensures the fitting can not be removed easily. Fittings can be linked together easily with the plug and play system or with the specially designed linking cables that come in various lengths and with the microwave sensor module for auto switching makes this a very versatile fitting.

Step1:
Screw the mounting clips in to position

Step 2 :
Clip in the fitting and install the security screw

Step 2 :
Fit the power cable and turn on the power

security screw
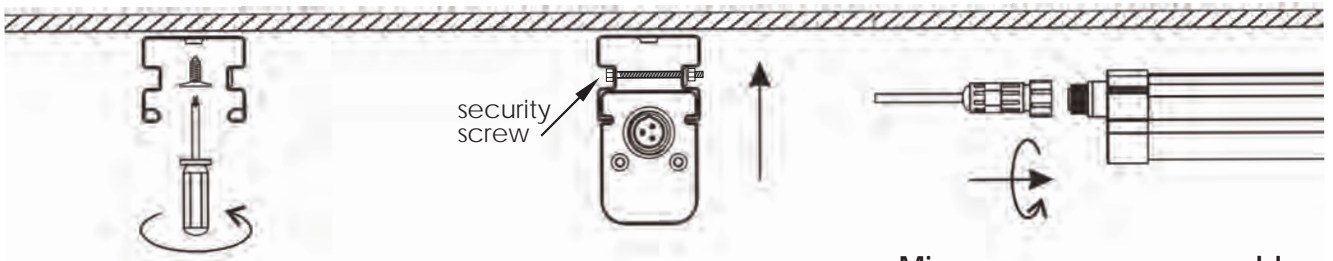
Microwave sensor assembly
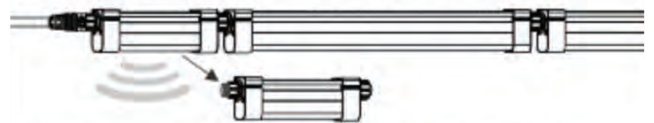
Microwave sensor plugs in directly into the light fitting and can control up to 400W of lights

Cable Connection

Connecting cables available in 20cm, 50cm, 100cm lengths

Direct connection

Cable Connection on each end of the fitting

SURFACE MOUNT LINKABLE LIGHT FITTINGS

Surface Mount Linkable light fittings are made with an aluminium base and PC cover making the construction strong and durable. Simple to install via a end to end plug in method, requiring no wiring. Designed for installation in a wide range of uses, this product provides a high light output at 130lm/W ideal for any lighting application.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Max No. of links	Colour temp	Dimmable
LB-60	240V AC	20W	>0.9	2640	60/90/120	> 80	42	3000K-6000K	Optional
LB-120	240V AC	40W	>0.9	5320	60/90/120	> 80	35	3000K-6000K	Optional
LB-150	240V AC	55W	>0.9	7020	60/90/120	> 80	28	3000K-6000K	Optional

130lm/W

72mm

54mm
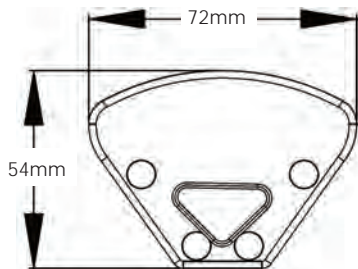
LB-60 BEAM ANGLE 120 DEG		
Distance (M)	Max (lux)	Diameter (M)
1	595	2.8
2	140	5.7
3	66	8.5
4	37	11.4
5	24	14.2

LB-120 BEAM ANGLE 120 DEG		
Distance (M)	Max (lux)	Diameter (M)
1	1323	2.8
2	331	5.7
3	147	8.5
4	82	11.4
5	53	14.2

LB-150 BEAM ANGLE 120 DEG		
Distance (M)	Max (lux)	Diameter (M)
1	2102	2.8
2	525	5.7
3	233	8.5
4	131	11.4
5	84	14.2

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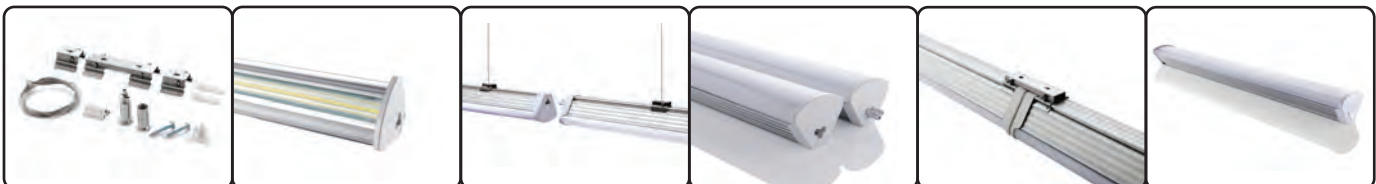
SURFACE MOUNT BATTEN FITTINGS

Surface mount batten fittings are made with an aluminium base and PC cover making the construction strong and durable, can be surface or suspension mounted. Simple to install with its slim line design, it can be used in a wide range of applications. This product provides the same light output to match conventional flurorescent tube fittings and with its IP44 rating it is ideal for outdoors under covered areas.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Size	Dimmable
BL-300	240V AC	10W	>0.85	900	150	> 80	3000K-6000K	80w x 36h	Optional
BL-600	240V AC	20W	>0.85	1800	150	> 80	3000K-6000K	80w x 36h	Optional
BL-900	240V AC	30W	>0.85	2700	150	> 80	3000K-6000K	80w x 36h	Optional
BL-1200	240V AC	40W	>0.85	3600	150	> 80	3000K-6000K	80w x 36h	Optional
BL-1500	240V AC	60W	>0.85	5200	150	> 80	3000K-6000K	80w x 36h	Optional
BL-1800	240V AC	80W	>0.85	7000	150	> 80	3000K-6000K	80w x 36h	Optional

36mm

80mm
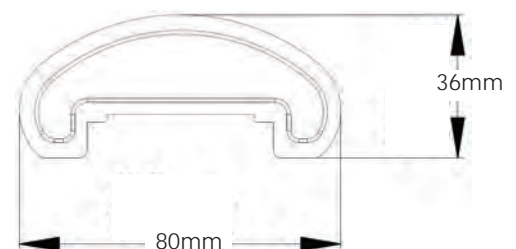
WEATHERPROOF BATTEN FITTINGS

Surface mount weatherproof batten fittings are made with an aluminium base and PC cover making the construction strong and durable, can be surface or suspension mounted. Simple to install with its slim line design it can be used in a wide range of applications. This product provides the same light output to match conventional fluroescent tube fittings and with its IP65 rating it is ideal for outdoor areas.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Size	Dimmable
SB-60	240V AC	20W	>0.85	1800	120	> 80	3000K-6000K	84w x 46h	Optional
SB-120	240V AC	40W	>0.85	3600	120	> 80	3000K-6000K	84w x 46h	Optional
SB-150	240V AC	60W	>0.85	5400	120	> 80	3000K-6000K	84w x 46h	Optional

46mm

84mm
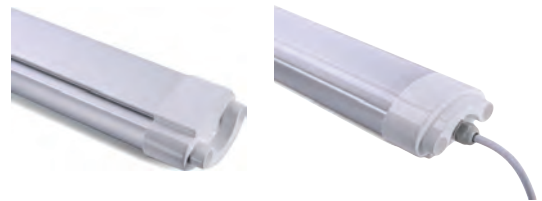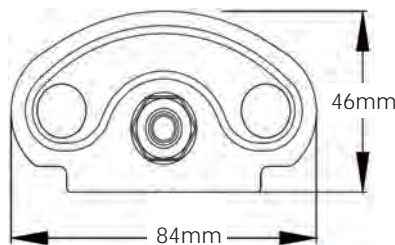
SB-60 BEAM ANGLE 120 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	647	2.7
2	161	5.3
3	72	8
4	40	10.6
5	26	13.3

SB-120 BEAM ANGLE 120 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	1416	2.7
2	354	5.3
3	157	8
4	88	10.6
5	56	13.3

SB-150 BEAM ANGLE 120 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	2101	2.7
2	525	5.3
3	233	8
4	131	10.6
5	84	13.3

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WEATHERPROOF BATTEN FITTINGS

This range of waterproof LED batten fittings are ideal for use outdoors in high impact or vandal resistant areas there polycarbonate construction and intergrated design make them simple to install and maintain,

Product Code	Voltage (V)	Power (P)	Power Factor	IP Rating	Beam Angle	CRI	Colour temp	Lumen	Dimentions (cm)
SB60015	240V AC	15W	>0.9	IP65	120	> 80	3000K-6000K	1800	66 x 8.6 x 8
SB120020	240V AC	20W	>0.9	IP65	120	> 80	3000K-6000K	2400	127 x8.6 x 8
SB120040	240V AC	40W	>0.9	IP65	120	> 80	3000K-6000K	4800	127 x 8.6 x 8
SB150040	240V AC	40W	>0.9	IP65	120	> 80	3000K-6000K	4800	157 x8.6 x 8
SB150060	240V AC	60W	>0.9	IP65	120	> 80	3000K-6000K	7200	157 x8.6 x 8

660/1270/1570

80mm

86mm

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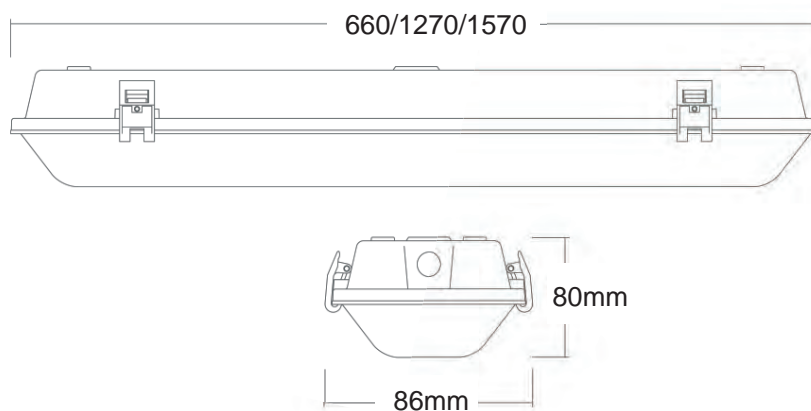
LED REPLACEMENT TUBES

Replacement LED light tubes are designed to produce higher light output than conventional T8 fluorescent tubes with half the power consumption. The T8 Series also comes with rotating endcaps for directing light where it is needed. LED tubes come complete with LED starter and can be retro fitted into existing or new fluorescent fittings, also ideal for high usage commercial applications or supplied with prewired fittings to suit LED tubes.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp range	Life span
T8-600-9W	240V AC	10W	>0.95	1190(CW)	130	> 80	3200-6500K	50,000
T8-1200-18W	240V AC	19W	>0.95	2360(CW)	130	> 80	3200-6500K	50,000
T8-1500-25W	240V AC	25W	>0.95	3310(CW)	130	>80	3200-6500K	50,000
NT8-600-9W	240V AC	10W	>0.95	1130(CW)	130	> 80	3200-6500K	50,000
NT8-1200-18W	240V AC	18W	>0.95	2270(CW)	130	> 80	3200-6500K	50,000

600mm BEAM ANGLE 130 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	289	2.9
2	72	5.8
3	32	8.7
4	18	11.6
5	12	14.5

1200 mm BEAM ANGLE 130 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	864	2.9
2	216	5.8
3	96	8.7
4	54	11.6
5	34	14.5

1500mm BEAM ANGLE 130 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	1059	2.9
2	265	5.8
3	118	8.7
4	66	11.6
5	42	14.5

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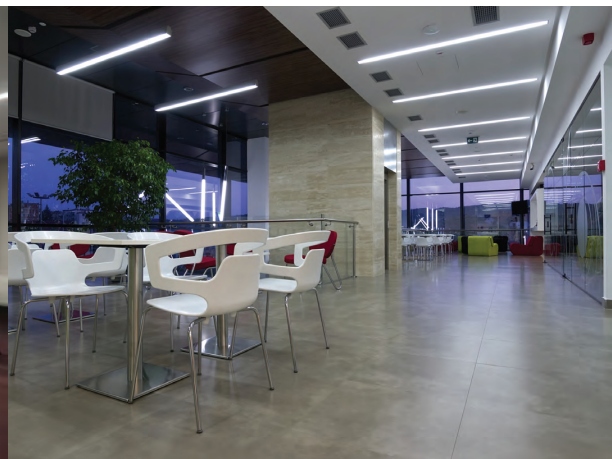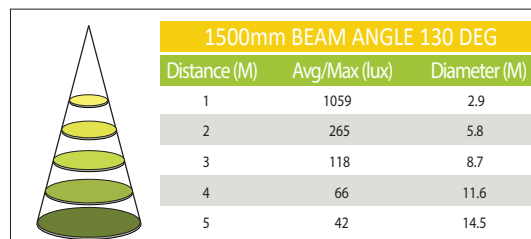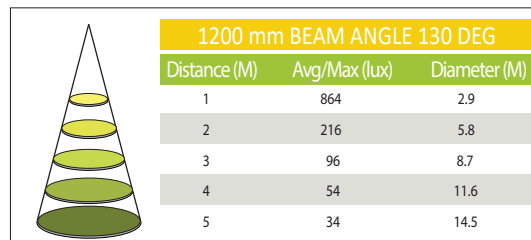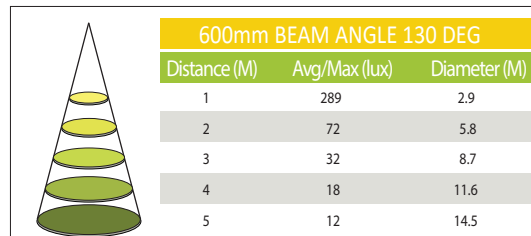
LED FLEXIBLE STRIP LIGHTS

LED flexible strips with their slim design and high brightness are ideal for interior or exterior applications. The small size and flexibility make them ideal for a wide range of lighting solutions. Available in a wide range of colour temperatures, brightness, colours, sizes and CRI to suit any lighting application.

Selecting correct strip for your application

IP20 strip light has no weather protection coating on the strip so it can only be used in indoor dry applications and is ideal for installing in aluminium profiles of any shape and size for that Architectural high end look (see our aluminium profiles section for more information).

IP63 strip light has a small coating of silicone resin on the front side of the strip. It can be used in indoor and covered outdoor areas. The strip is moisture resistant but if left out in full weather will deteriorate over time. The silicone coating can shift the colour of the strip slightly so it is important to factor this in when selecting a colour temperature.

IP68 strip light is fully enclosed in silicone resin making it stronger than standard strip and it is not affected by water. Ideal for outdoors use and can also be fully submersed in water. The silicone coating can shift the colour of the strip slightly so it is important to factor this in when selecting a colour temperature.

Constant Current LED strip allows you to install long runs of strip and reduces the installation time beacuse it only requires a power connection from 1 end with virtually no light loss. This strip is available in 10m and 20m length rolls and a wide variety of colour and brightness.

Selecting the ideal lumen output strip for your application

Acent lighting
200 -400 lm/M is ideal for soft illumination for high lighting sculptures, paintings or architectural features, or even outdoor around decking. The 2110 series of strip is ideal for because the high LED quantity means that you can achieve a soft light with no spotting .
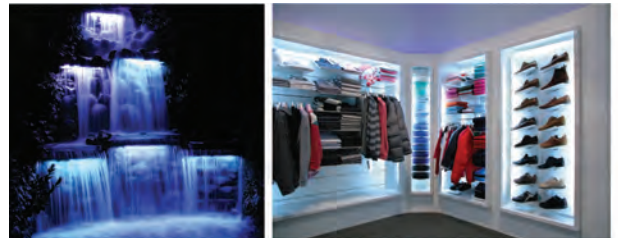
Feature lighting
400 -800 lm/M is ideal for high lighting features in a room such as cove lighting, under stair treads or around kitchen or bathroom cabinets, or even outdoor around decking the 2110 series of strip light is ideal for these appications beacuse the high eld quantity means that you can achieve a soft light with no spotting.

Room lighting
800 -2000 lm/M is ideal for high brightness light levels for example suspended provile over kitchen island bench, and general room lighting, or even lighting for outdoor areas. The 2835 series of strip light is ideal for the higher light level requirement.

Commercial lighting
1500 -6000 lm/M is ideal for high light levels or high ceilings for example ovehead office lighting, reception counters , hotels, shopping centres, supermarkets etc.. Coupled with our extensive range of aluminium profiles we can create the perfect architectural high end look you need.

Custom made solutions
We can custom design your lighting requirements and custom make aluminuum profiles in house. We can also provide you with a lighting design to suit you lighting requirements making it simple and easy for you or your electrical contrator to install.

ECO1 Smart Control App free download control your lighting from anywhere

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LED FLEXIBLE STRIP LIGHTS

High Efficiency 3040 strip CRI>80
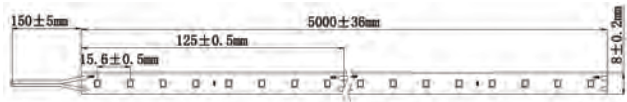
Product code :	SMD20-3040-4.8-6
Description :	High Efficiency 180Lm/W
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,6000K
IP Rating :	IP20, IP66, IP67
LED Qty/M :	80
Watt/M :	4.8
Lumen P/M :	900 lm Max/M
CRI :	>80
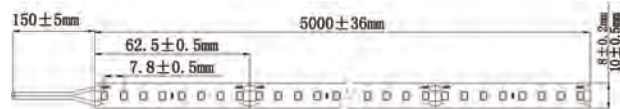
Product code :	SMD20-3040-9.6-6
Description :	High Efficiency 180Lm/W
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,6000K
IP Rating :	IP20, IP66, IP67
LED Qty/M :	160
Watt/M :	9.6W
Lumen P/M :	1728 lm/M Max
CRI :	>80
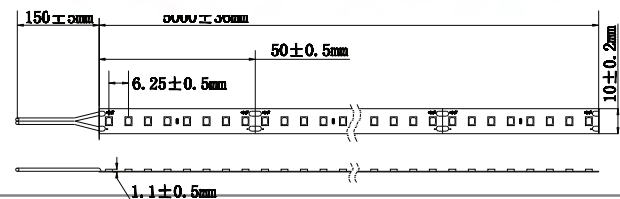
Product code :	SMD20-3040-19.2-6
Description :	High Efficiency 160Lm/W
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,6000K
IP Rating :	IP20, IP66, IP67
LED Qty/M :	160
Watt/M :	19.2
Lumen P/M :	3072 lm/M Max
CRI :	>80
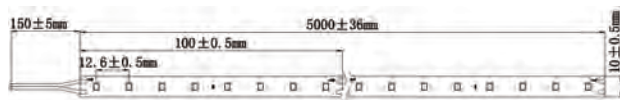
Product code :	SMD20-3040-34-6
Description :	High Efficiency 150Lm/W
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,6000K
IP Rating :	IP20, IP66, IP67
LED Qty/M :	80
Watt/M :	34W
Lumen P/M :	5100lm Max
CRI :	>80
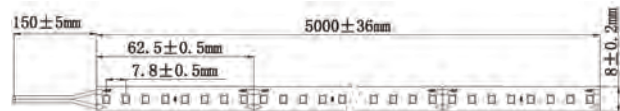
Product code :	SMD20-2835-6-128-90
Description :	High Efficiency 130Lm/W
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,6000K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	128
Watt/M :	19.2W
Lumen P/M :	2200lm Max
CRI :	>90

High Efficiency 2835 strip CRI>95

Product code :	SMD20-2835-3-80-95
Description :	High Efficiency 125Lm/W
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K, 5000K, 6500K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	80
Watt/M :	14.4W
Lumen P/M :	1730lm/M Max
CRI :	>95

LED FLEXIBLE STRIP LIGHTS

Product code :	SMD20-2835-6-160
Description :	High Efficiency 125Lm/W
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K, 5000K, 6500K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	160
Watt/M :	19.2W
Lumen P/M :	2400lm/M Max
CRI :	>90
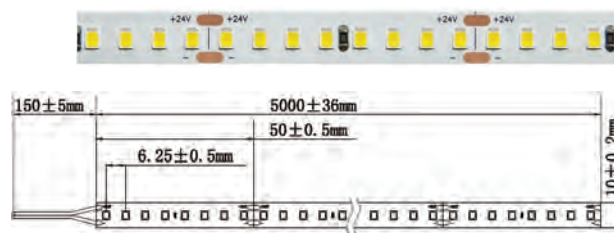
Flexible strip 2110 CRI>90

Product code :	SMD20-2110-3-140-90
Description :	Flexi strip 2110 chip
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,5000K,6500K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	140
Watt/M :	9.6
Lumen P/M :	880lm - 920lm
CRI :	>90

Product code :	SMD20-2110-3-280-90
Description :	Flexi strip 2110 chip
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,5000K6500K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	280
Watt/M :	19.2
Lumen P/M :	1550lm - 1760lm
CRI :	>90
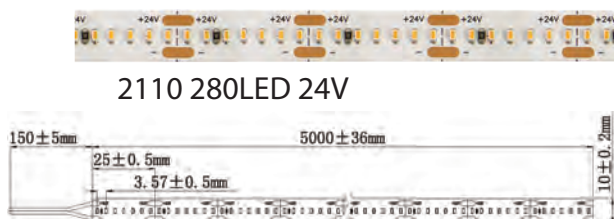
2110 280LED 24V

Product code :	SMD20-2110-4-700-90
Description :	Flexi strip 2535 chip
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,5000K6500K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	700
Watt/M :	24
Lumen P/M :	2100lm - 2360lm
CRI :	>90

2110 700LED 24V

CCT Variable 2110 strip CRI>90

Product code :	SMD20-2110-CT-90
Description :	Flexi strip 2110 chip CCT
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K and 6500K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	280
Watt/M :	19.2
Lumen P/M :	1730lm Max
CRI :	>90

RGB flexible strip 2110 CRI>90

Product code :	SMD20-2110-RGB-336-90
Description :	Flexi strip 2110 chip RGB
Voltage :	24 Vdc
Colour temp CCT(K) :	Red, Green, Blue
IP Rating :	IP20, IP63, IP67
LED Qty/M :	336
Watt/M :	14.4
Lumen P/M :	600lm Max
CRI :	>90

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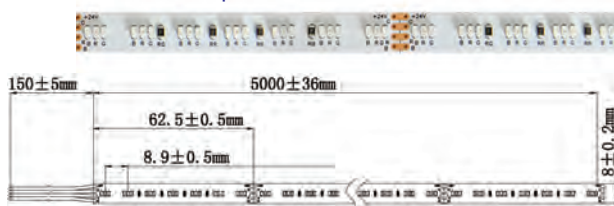
LED FLEXIBLE STRIP LIGHTS

Flexible strip 3328 CRI>80
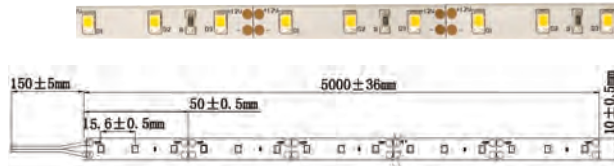
Product code :	SMD20-3328-6
Description :	Flexi strip 2535 chip
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,5000K or 6000K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	60
Watt/M :	10.8
Lumen P/M :	800lm
CRI :	>80

RGB Flexible strip 5050 CRI>80
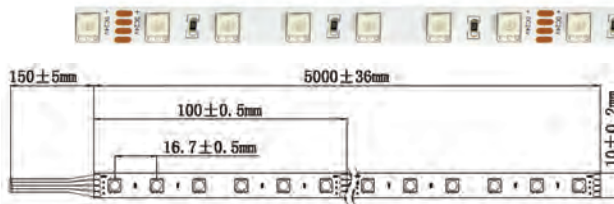
Product code :	SMD20-5050-RGB
Description :	RGB 5050
Voltage :	24 Vdc
Colour temp CCT(K) :	RGB
IP Rating :	IP20, IP63, IP67
LED Qty/M :	60
Watt/M :	19.2
Lumen P/M :	1100lm
CRI :	>80

High Efficiency constant current CRI>80
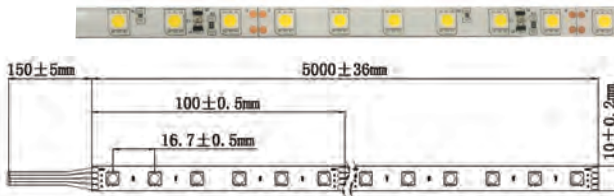
Product code :	SMD20-LR20-6-5050
Description :	CC 5050 in10m or 20m Roll
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K, 4000K,6500K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	60
Watt/M :	14.4
Lumen P/M :	1100lm Max/M
CRI :	>80
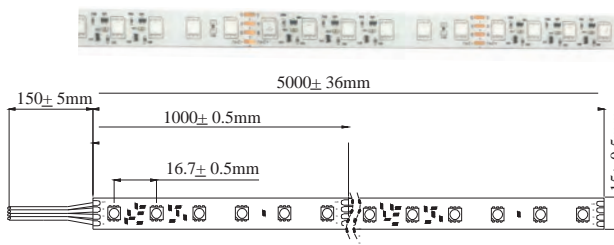
Product code :	SMD20-LR20-RGB
Description :	CC 5050 in10m or 20m Roll
Voltage :	24 Vdc
Colour temp CCT(K) :	RGB
IP Rating :	IP20, IP63, IP67
LED Qty/M :	60
Watt/M :	14.4W
Lumen P/M :	1000lm Max/M
CRI :	>80

RGB + WW + CW 5050 CRI>80
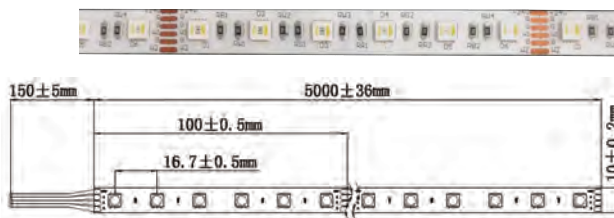
Product code :	SMD20-5050-RGBCW
Description :	RGB + WW + CW 5050
Voltage :	24 Vdc
Colour temp CCT(K) :	RGB + 3000K+ 6000K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	60
Watt/M :	20
Lumen P/M :	1200lm/M Max
CRI :	>80

CCT Variable 5050 strip CRI>80
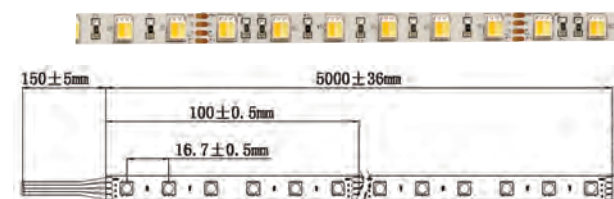
Product code :	SMD20-5050-CWWW
Description :	WW + CW 5050
Voltage :	24 Vdc
Colour temp CCT(K) :	3000K + 6000K
IP Rating :	IP20, IP63, IP67
LED Qty/M :	60
Watt/M :	14.4W
Lumen P/M :	1100lm Max/M
CRI :	>80

FLEXIBLE LED NEON STRIP

LED flexible neon strip is more attractive and energy-efficient than the old style neon lighting.

The inner flexible PCB and the strong outer flexible body makes this product very reliable, saving up to 80% in power costs compared to neon lighting, creating a uniform light throughout over a very long distance.

The rigid LED neon strip can with stand extreme outdoor factors and saves maintenance costs long term.

With its full-set of accessories, it provides an easy and safe complete installation.

Features

- Narrow variance of light colour, temperature and light intensity
- Proven circuitry and reliable components, maintain consistent light brightness and colour uniformity.
- Constant current available in up to 30m metres with no light loss
- Slim and durable narrow design out performs neon lighting
- Surface constructed from fire-retardant resin helps resist fire hazard and unfavourable climatic conditions.

Product Code	Voltage (V)	Wattage (W)	IP Rating	Size	front face	Dimmable
NF1480	24V DC	9.6W/M	IP66	4mm(W)x8mm(H)	Rounded/Square	Yes
NF6511	24V DC	8.6/14.4W/M	IP66	6.5mm(W)x11mm (H)	Rounded/Square	Yes
NF1010	24V DC	8.6/14.4W/M	IP66	10mm(W)x10mm(H)	Rounded/Square	Yes
NF1010-RGB	24V DC	14.4W/M	IP66	10mm(W)x10mm (H)	Rounded/Square	Yes

Note : Can only be dimmable by using ECO1 system or AL3600RC, AL3200RC

4mm x 8mm square face only
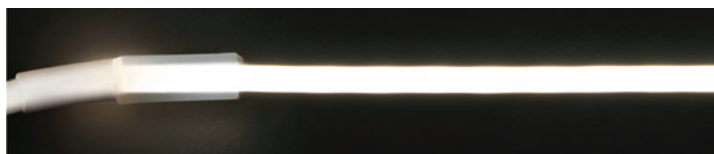
6.5mm x 11 mm square face or rounded face available

10mm x 10mm square face or rounded face available

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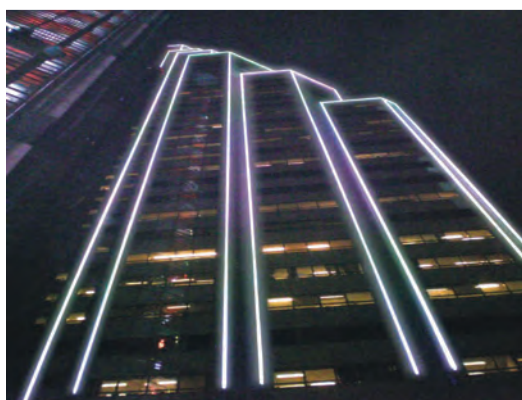
RIGID LED NEON STRIPS

LED ECO LIGHTING, LED neon-system is more attractive and energy-efficient than the old style neon lighting. The inner LED hard PCB and the strong outer PC body makes this product very reliable, saving up to 80% in power costs compared to other neon lighting, creating a uniform light throughout over a very long distance. The rigid LED neon strip can with stand extreme outdoor factors and saves maintenance costs long term. With its full-set of accessories, it provides an easy and safe complete installation.

Features

- Narrow variance of light colour, temperature and light intensity
- Proven circuitry and reliable components, maintain consistent light brightness and colour uniformity.
- Up to 10 metres with no light loss
- Slim and durable narrow design out performs neon lighting
- Surface constructed from fire-retardant resin helps resist fire hazard and unfavourable climatic conditions.

Product Code	Voltage (V)	Wattage (W)	IP Rating	Chip Type	Beam Angle	Material	Operating temp	Dimmable
N124W-RED	12V DC	4W/M	IP67	3528 SMD	180	UV resist PC	-40°C to 60°C	Yes
N124W-GREEN	12V DC	4W/M	IP67	3528 SMD	180	UV resist PC	-40°C to 60°C	Yes
N124W-BLUE	12V DC	4W/M	IP67	3528 SMD	180	UV resist PC	-40°C to 60°C	Yes
N124W-AMBER	12V DC	4W/M	IP67	3528 SMD	180	UV resist PC	-40°C to 60°C	Yes
N124W-WHITE	12V DC	4W/M	IL67	3528 SMD	180	UV resist PC	-40°C to 60°C	Yes
N124W-RGB	12V DC	4W/M	IP67	3528 SMD	180	UV resist PC	-40°C to 60°C	Yes

Note : Can only be dimmable by using ECO1 Smart system or AL3600RC, AL3200RC

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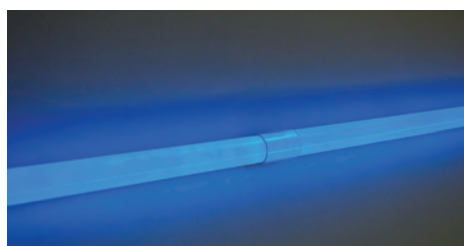
ALUMINIUM STRIP PROFILES

We carry a huge range of aluminium strip profiles, so you can customise your LED strip lighting application. Add y
LED strip cut to the length you require and install it for a fully customised LED lighting application. We can also
make you fully custom made linear lights to suit your specific application and all you need to do is install it.

Surface Mount Profiles

AEX-2

AEX-4

AEX-11

AEX-5

AEX-6

AEX-14

AEX-20

AEX-27

AEX-28

AEX-A28

AEX-A31

AEX-A49

AEX-85

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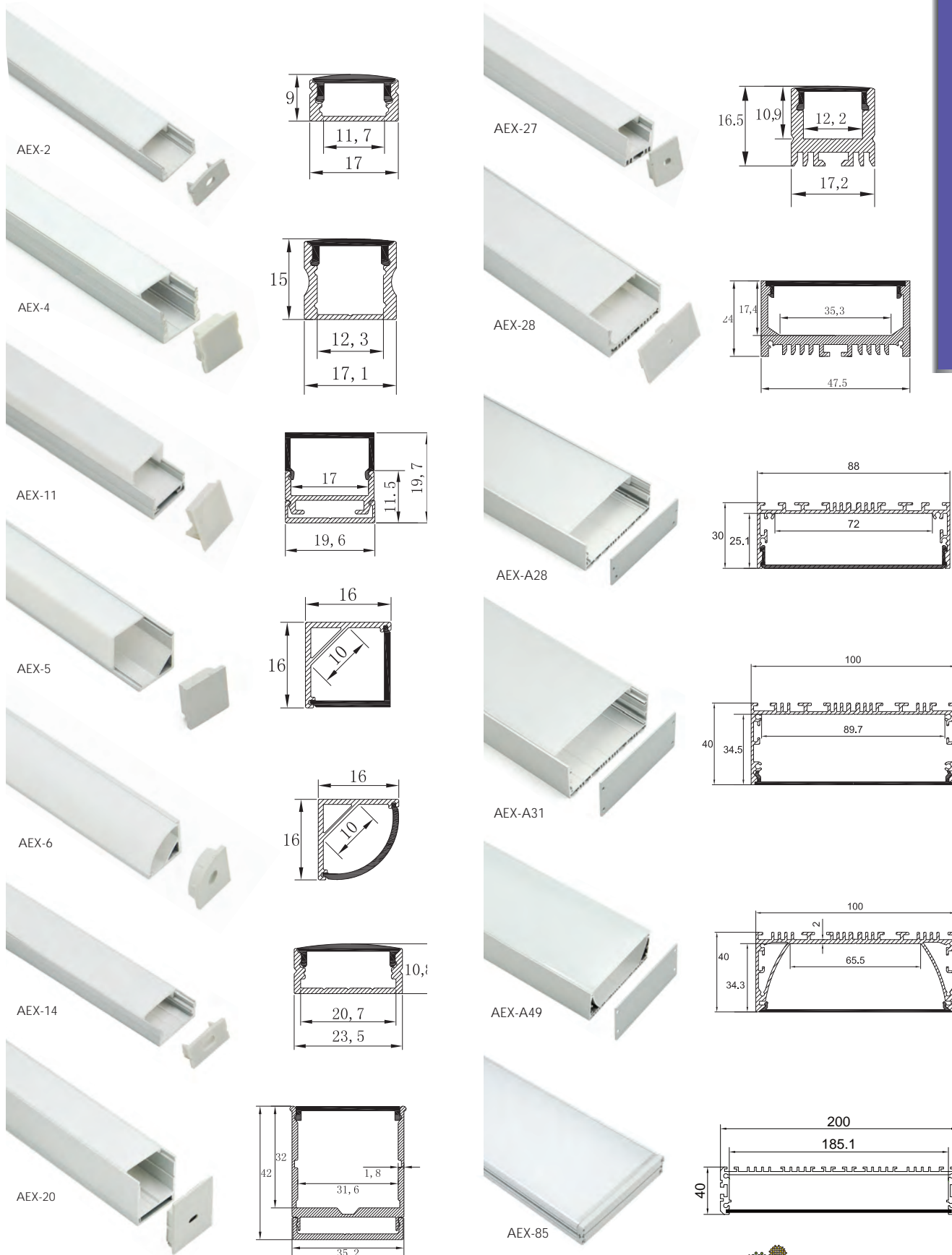
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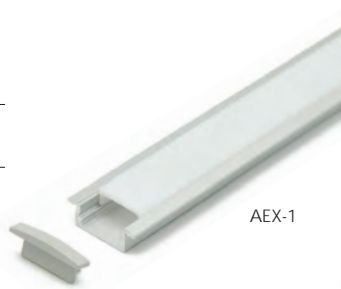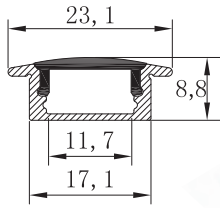
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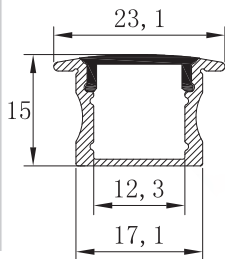
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AEX-3
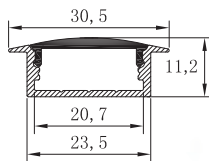
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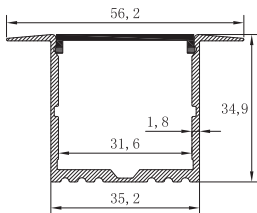
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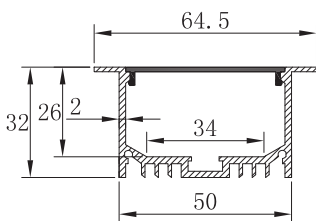
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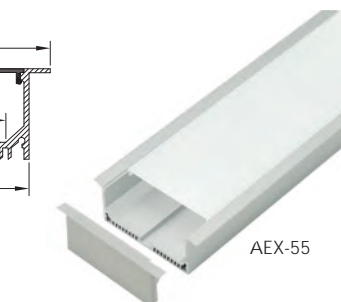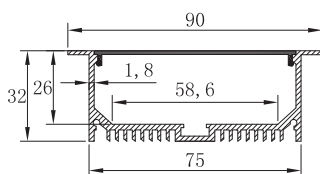
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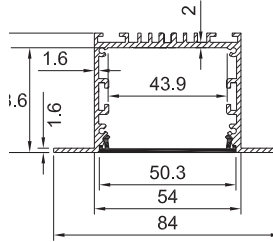
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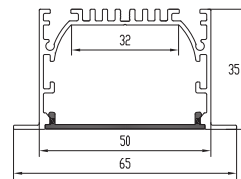
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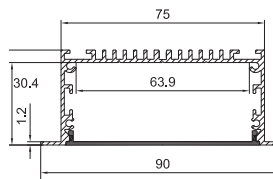
AEX-A20

AEX-A27

AEX-A29

AEX-A50

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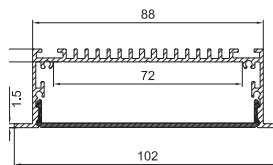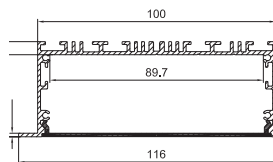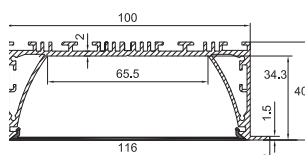
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Recessed Profiles
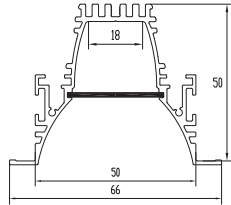
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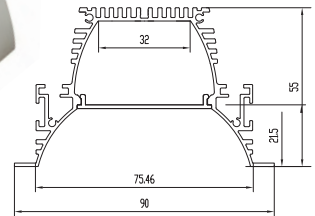
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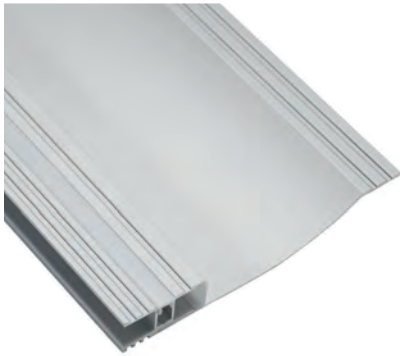
AEX-A2

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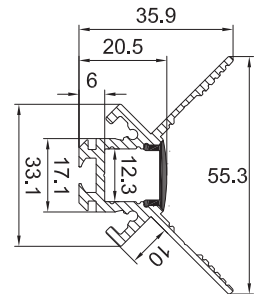
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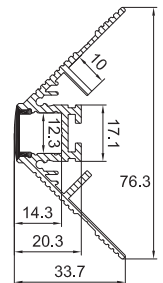
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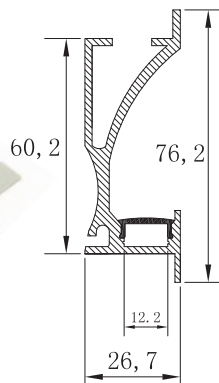
AEX-A48

AEX-A38

AEX-A51

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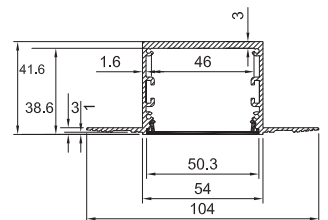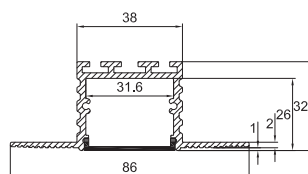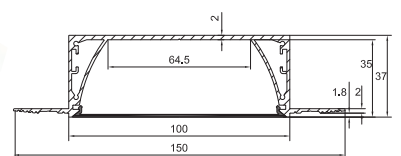
ALUMINIUM STRIP PROFILES

Surface or Suspension Mounting Profiles
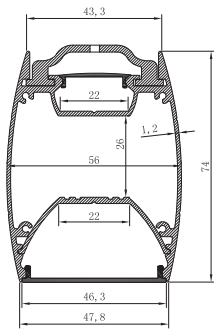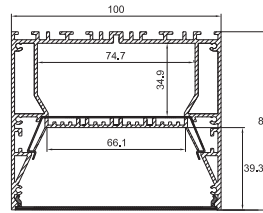
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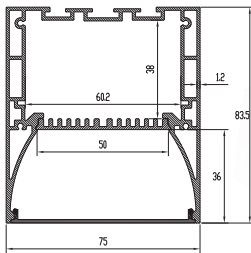
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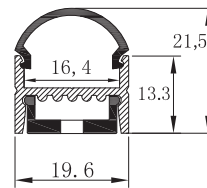
3. IP40

AEX-36
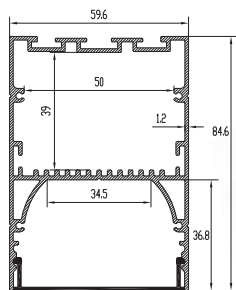
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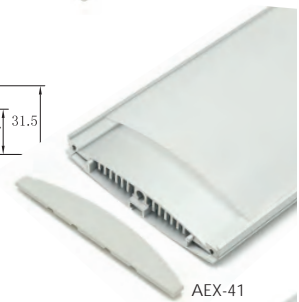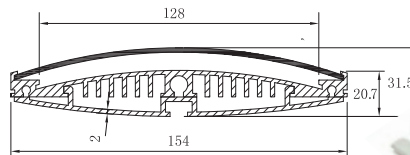
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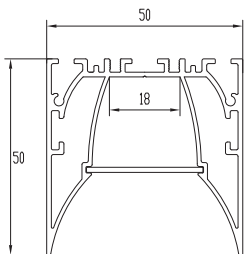
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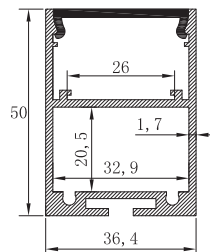
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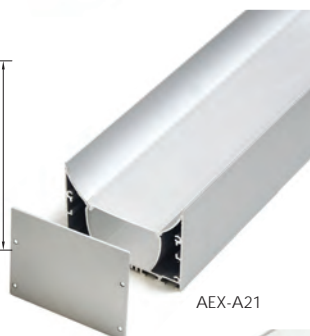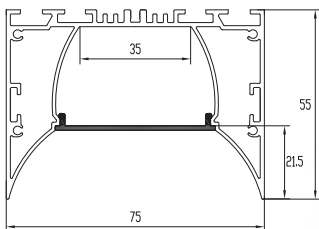
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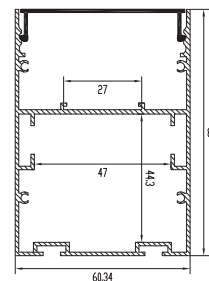
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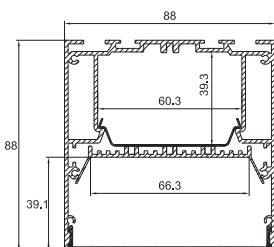
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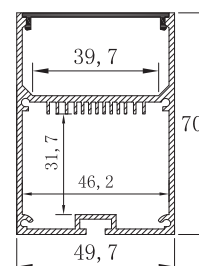
AEX-52

ALUMINIUM STRIP PROFILES

Surface or Suspension Mounting Profiles

AEX-A46

AEX-63
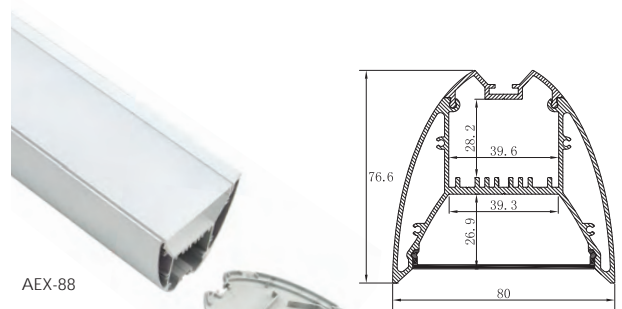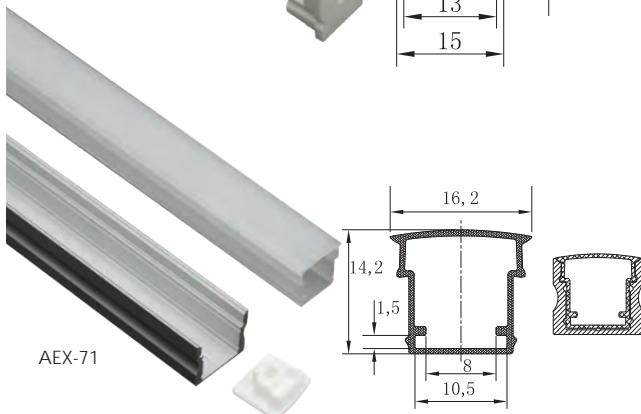
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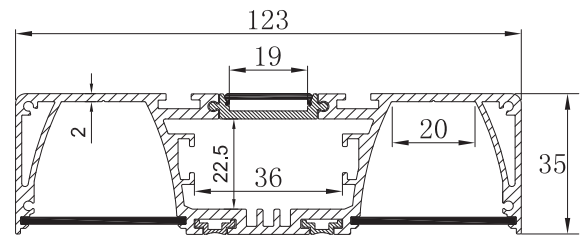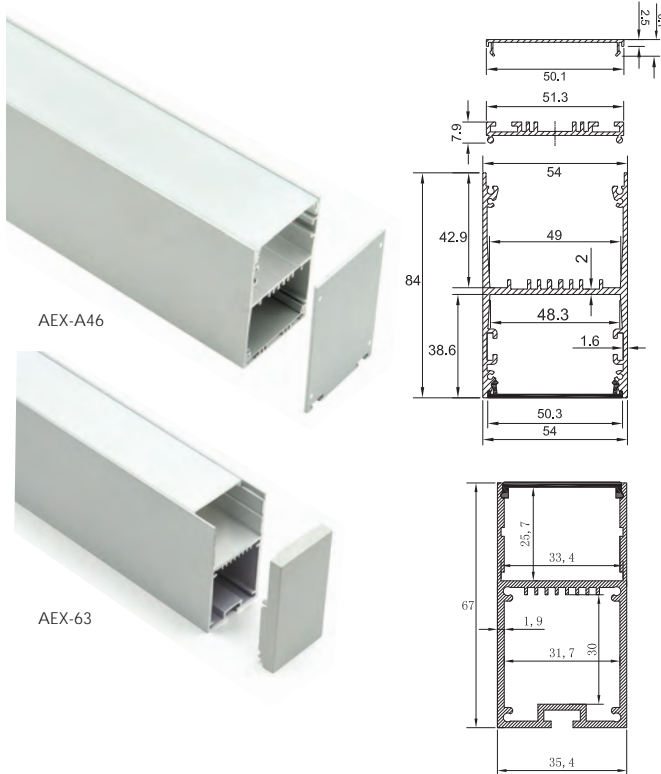
Weatherproof Profiles

AEX-66

AEX-70

AEX-71

AEX-88

AEX-A42

AEX-A81

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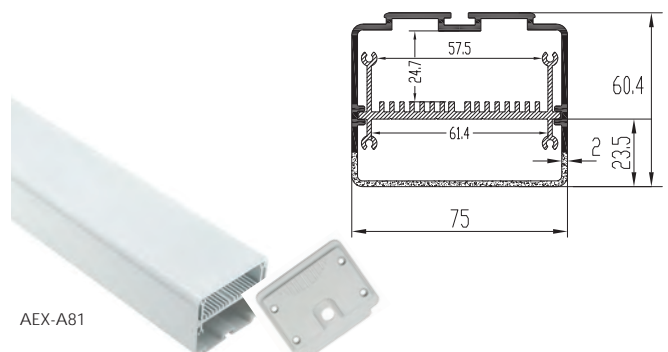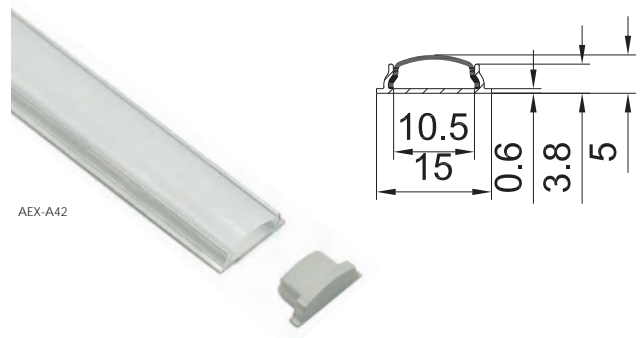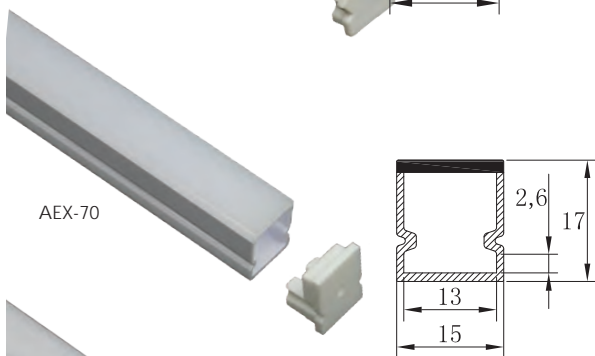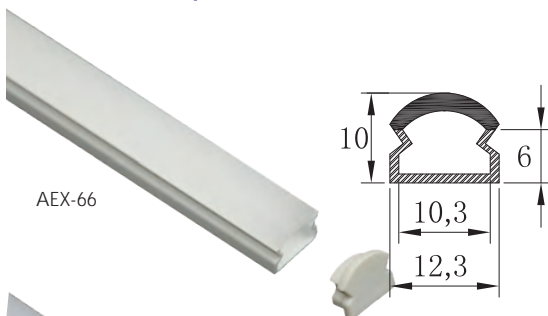
ALUMINIUM STRIP PROFILES

Stair Tread Profiles
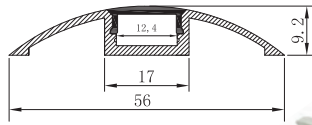
AEX-21

AEX-22

Coat Hanger Profile
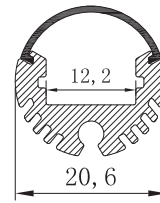
AEX-8

Corner Profile
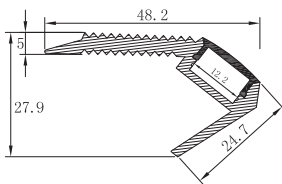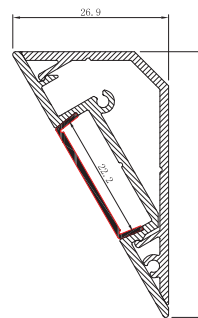
AEX-A44

Profile Accessories

Spring Clips

Suspension Wire

Coat Hanger Accessories Clips
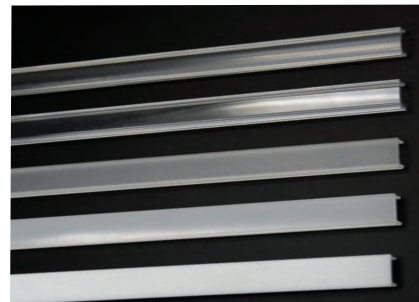
*Note : Endcaps, mounting clips and all
      other accessories sold seperately

Profile Connector Accessories

Mounting Clips

Diffusers

Surface Mounting
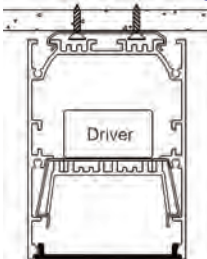
Suspension Mounting

Recess Mounting

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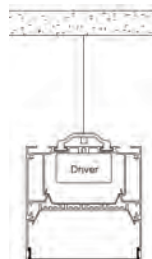
SMART PANEL LIGHT SERIES

LED Panel Lights have low power consumption. With a life span of more than 40,000 hrs, panel lights produce no thermal radiation or UV rays and the high frequency flicker from LED panel lights is eliminated, compared to traditional tube lighting systems. Controlled by the ECO1 Smart Control App or Hand Held Remote. This panel light has ultra smooth variable colour range adjustment from warm white (3000K) to cool white (6000K) depending on the mood required in the room and a very smooth dimming from 2% to 100% giving more flexible lighting control.

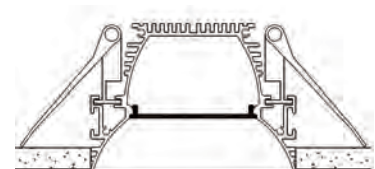| Product Code	MPL120040-CT	MPL60040-CT	MPL120060-CT
Voltage (V)	AC100-240V 50/60Hz		
Wattage (W)	40W	40W	60W
Chip Type	Epistar SMD2835 chip		
Lumen (Lm)	4000lm	4000lm	6000lm
Beam Angle	120˚		
CRI	>80Ra		
Colour temp	infinitly variable from : Warm White(WW) : 3000K to Cool White(CW) : 6000K		
Dimming	Dimmable range 2% -100%		
IP Rating	IP20 Indoor use Dry Environment		
Material	Aluminum frame + PMMA light guide		
Panel Size	1195x295x10mm	695x295x10mm	1195x595x10mm
Finish colour	Available in white or silver		
Weight (each)	5Kg	5Kg	10kg
Packaging size	126x45x6cm	66x73x6cm	126x66x6cm
	5pcs per carton (individual packaging boxes)1		
Carton size	28x45x32cm	68x75x32	128x68x32
Power Factor (Pf)	>0.9		
Certification	CE , ROHS, SAA (others available on request)		
Warranty	3 Years warranty		
Age Testing	48 working hours with intermittent switching		
ECO1 Smart Control features	Mesh lighting control feature, control curtains, blinds, intercom, cameras, PIR sensor, Smart socket, IR control, RGBW controller, Door locks scene controller, location control, Google home and Amazon Alexa control. See ECO1 smart control catalogue for more information.		

ECO1 Smart Control App free download control your lighting from anywhere

The hand held remote can be used for local wireless control and available for all Panel lights series

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AIR GRILLE PANEL LIGHT

Air grille panels can be used with our LED premium or standard panel lights. These panels have been designed to fit in a standard 600 x 1200 Grid T-Bar ceiling, coupled with high luminous efficiency and low power consumption, also the constant current driver system gives protection from unstable voltages. With a life span of more than 40,000 hrs, panel lights produce no thermal radiation or UV rays. In addition the high frequency flicker from LED panel lights is eliminated, compared to traditional tube lighting systems.

Product Code	Voltage (V)	Wattage (W)	Air Grille size	Lumen (Lm)	Beam Angle	Colour Temp (K)	LED panel size	Dimmable
AGLP120040WW	240V AC	40W	595x1195	3370	120	3200 (WW)	295x1195	Optional
AGLP120040CW	240V AC	40W	595x1195	3465	120	5000 (NW)	295x1195	Optional
AGLP120048WW	240V AC	48W	595x1195	4030	120	3200 (WW)	295x1195	Optional
AGLP120048CW	240V AC	48W	595x1195	4100	120	6000 (NW)	295x1195	Optional

NB: other colour temperatures are also available on request

Also available in plaster recess, surface mount, wire suspension and T-Bar ceiling mount

PRODUCT FEATURES

Allows retrofit into standard T-Bar 600x1200 ceiling grid
Air handling for ducted airconditioning systems
Replaces standard troffer with air handling feature
Can be ordered in a range of powder coat colour options
Available in 40w or 48w options
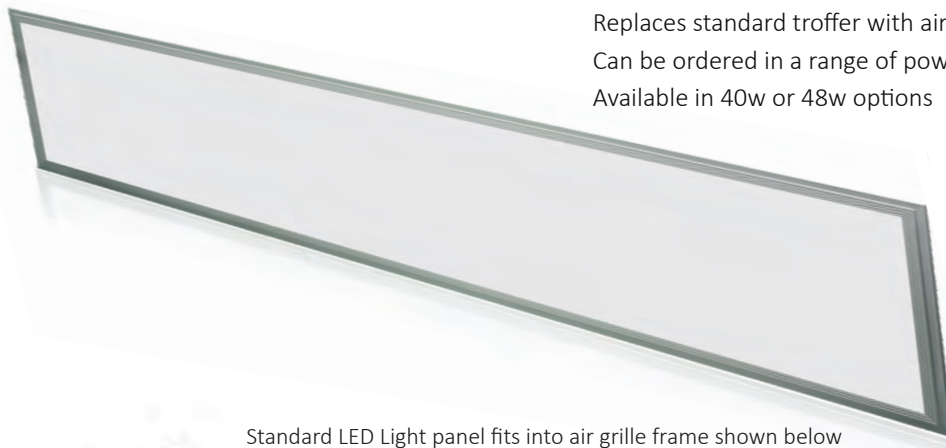
Standard LED Light panel fits into air grille frame shown below

MLP120040 BEAM ANGLE 120 DEG		
Distance (M)	Max (lux)	Diameter (M)
1	1291	2.9
2	323	5.9
3	143	8.8
4	81	11.8
5	52	14.7

MLP120048 BEAM ANGLE 120 DEG		
Distance (M)	Max (lux)	Diameter (M)
1	1506	2.9
2	376	5.9
3	167	8.8
4	92	11.8
5	60	14.7

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OUR UNIQUE PANEL FEATURES

Our panels use the highest quality driver to eliminate flicker.

Flicker can easiliy be seen by puting your mobile phone in photo mode and holding it over an illuminated LED product.

EFFECTS OF FLICKER FROM LED PRODUCTS

Flicker from LED products is caused by a number of factors such as supply voltage disturbance, type of dimmer, but mostly poor driver design to lower driver cost. This flicker can cause a number of side effects to people working under these lights for prolonged periods of time such as offices, production lines, etc.

Some of these side effects can include:

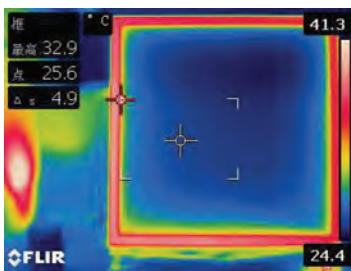headache, migraine, tiredness, increased intraocular pressure, blurred vision,neurological problems such as photosensitivity, epilepsy.

Other related hazards could cause :

Visual illusion on spinning machinery, road lighting , monitoring system, TV, scanning system (QR Code)

Our panels 4 Edge lit system Excellent uniformity
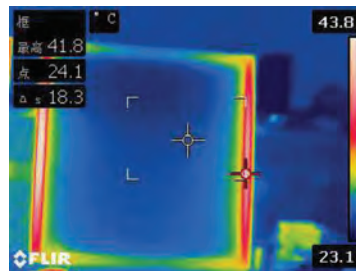
Other panel products only 2 edges are lit.

4 SIDE EDGE LIT SYSTEM LIGHT UNIFORMITY

Is when there are 4 strips of LED around each side of the panel. Infrared thermography image shows the light output from our 4 edge lit system which produces a very even light output compared to other brands that only use 2 side edge lit systems.

Folded edges

FOLDED BACK PANEL

Our panels use a folded back panel for 2 reasons :

1. To create a stronger panel frame means less flex in the panel and the LED's and the light guide is less likley to move. This movement can cause black spots and upset the light uniformity and even damage the LED chips.
2. The fold in the panel stops light from escaping through the back of the panel. This can also affect the light uniformity of the panel and create discolouration or yellow areas on the edges and corners on the panel.
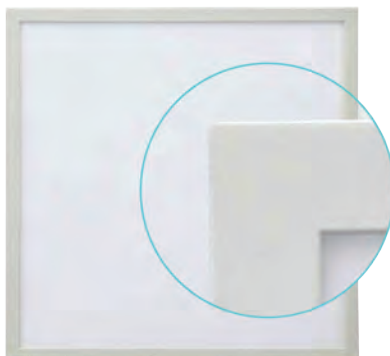
NEW WELDED SEAMLESS FRAME PANEL

The new seamless welded frame is not held together by screws or angle brackets. The welded finish creates a more stylish and modern look at the same time creating a stronger frame.

OUR UNIQUE PANEL FEATURES

Why is SDCM (standard deviation colour matching) so important ?

As showN in the diagram below LED chip colour variation can vary considerably within the same colour temperature acceptable range.

The **GREEN** diamond shaped area is the maximum colour variation when LED chips are made. Some manufacturers will use this **SDCM** for their products resulting in very poor uniformity and colour variation, even between the products from the same batch order.

The **GREY** oval shaped area is the acceptable **SDCM** that most manufactures will use to select the led chips for there batch/product order making each batch order the same however, on reorder the colour temperature will most likley be different and will be noticable when installing second batch order with the first batch order.

The **BLUE** square area is the area selected for our panels. This **SDCM** means that the panels will have excellent colour consistency but more importantly means that if you need to reorder for a previous project you can be assured that the colour will be the same even if the orders are years apart .

Fixed Bin Code System

Our Fixed bin code system for light source selection ensures a greater consistency in colour temperature of finished panels. Our panels use a SDCM of less than 5K in different batches, so you get the same CCT colour for every order with no visible variation in light colour between multiple batch orders.

4014 LED chip Package

Our LED chips are made in house which enables a greater control over chip quality and uniformity

UGR is short for Unified Glare Rating. It measures psychological parameters of subjective discomfort to eyes caused by light from lighting devices in indoor visual environment. The values can be calculated by the regulation condition with CIE unified glare value formula.
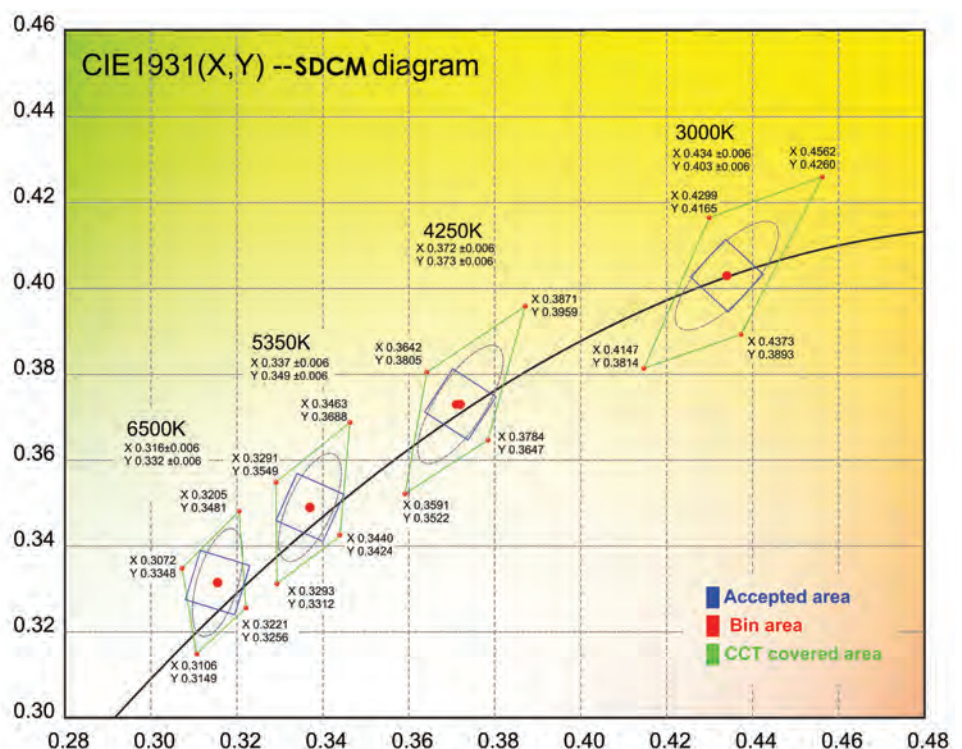
OTHER PRODUCT FEATURES

1. PMMA light-emitting panel provides excellent uniformity and purity of greater than 90%

2. Lower decay of 3000 hours, lumen maintenance is 98.7%

3. Isolated driver means there is no direct electrical connection between input circuit and output circuit for increased safety

SLIMLINE 10W-30W LED FLOOD LIGHTS

LED Flood fittings are high brightness with low cost. Supplied with a 1m flex and plug makes them a great plug and play option. The slimline design, built in driver and robust construction makes them ideal for any outdoor environmental conditions. The Movement sensor model is also ideal for security lighting applications.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Beam Angle	CRI	IP Rating	Colour Temp	Dimmable
FLB-10	240V AC	10W	950	120	>80	IP65	3000K or 6000K	No
FLB-10MS	240V AC	10W	950	120	>80	IP65	3000K or 6000K	No
FLXB-20	240V AC	20W	1900	120	>80	IP65	3000K or 6000K	No
FLB-20MS	240V AC	20W	1900	120	>80	IP65	3000K or 6000K	No
FLXB-30	240V AC	30W	2800	120	>80	IP65	3000K or 6000K	No
FLB-30MS	240V AC	30W	2800	120	>80	IP65	3000K or 6000K	No

Available in : black or white finish 10W, 20W and 30W are available with motion sensor

10w Size: W130 x H96 x D30 mm

20w Size: W200 x H135 x D38 mm

30w Size: W168 x H228 x D38 mm

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SLIMLINE 50W-150W LED FLOOD LIGHTS

LED Flood fittings are high brightness with low cost. Supplied with a 1m flex and plug makes them a great plug and play option. The slimline design, built in driver and robust construction makes them ideal for any outdoor environmental conditions. The Movement sensor model is also ideal for security lighting applications.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Beam Angle	CRI	IP Rating	Colour Temp	Dimmable
FLB-50	240V AC	50W	4700	120	>80	IP65	3000K or 6000K	No
FLB-50MS	240V AC	50W	4700	120	>80	IP65	3000K or 6000K	No
FLB-100	240V AC	100W	9000	120	>80	IP65	3000K or 6000K	No
FLXB-150	240V AC	150W	13500	120	>80	IP65	3000K or 6000K	No

Available in : black or white finish 50W, 100W and 150W is available with motion sensor

50w Size: W250 x H160 x D50 mm

100w Size: W250 x H160 x D50 mm

150w Size: W360 x H237 x D75 mm

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GEN-X 20W-50W LED FLOOD LIGHTS

LED Flood fittings have an ultra high brightness with lower power consumption compared with other LED floods on the market. The robust aluminium housing with 5mm transparent toughened glass face make it the ideal choice for any environmental condition. LED Flood fittings can be widely used in a large variety of outdoor applications where a wide beam spread is required.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Beam Angle	CRI	IP Rating	Colour Temp	Dimmable
FLX20P	240V AC	20W	2700	120	>80	IP65	3000K/5000K	No
FLX30P	240V AC	30W	4200	120	>80	IP65	3000K/5000K	No
FLX50P	240V AC	50W	6800	120	>80	IP65	3000K/5000K	No

COMPARISON BETWEEN GEN-X LED FLOODS AND STANDARDLED FLOODS

NEW 20W GEN-X Flood ≡ Standard 40w LED Flood
NEW 30W GEN-X Flood ≡ Standard 50w LED Flood
NEW 50W GEN-X Flood ≡ Standard 70w LED Flood

IP65

20W
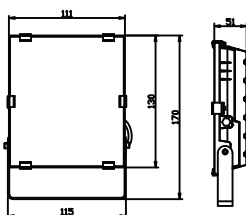
20W BEAM ANGLE aprox 120DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1.2	1636	4.61
2.4	409	9.22
3.6	181	13.83
4.8	102	18.44
6.0	65	23.05

30W

30W BEAM ANGLE aprox 120DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1.2	2454	4.61
2.4	613	9.22
3.6	272	13.83
4.8	153	18.44
6.0	98	23.05

50W
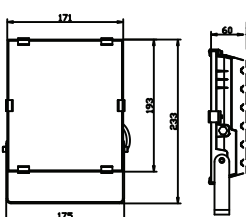
50W BEAM ANGLE aprox 120DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1.2	4091	4.61
2.4	1022	9.22
3.6	454	13.83
4.8	256	18.44
6.0	164	23.05
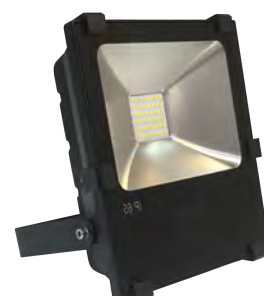
GEN-X 75W-135W LED FLOOD LIGHTS

LED Flood fittings have an ultra high brightness with lower power consumption compared with other LED floods on the market. The robust aluminium housing with 5mm transparent toughened glass face, make it the ideal choice for any environmental condition. Flood fittings can be widely used in a large variety of outdoor applications where a wide beam spread is required.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Beam Angle	CRI	IP Rating	Colour Temp	Dimmable
FLX75P	240V AC	75W	10400	120	>80	IP65	3000K/5000K	No
FLX95P	240V AC	95W	13100	120	>80	IP65	3000K/5000K	No
FLX135P	240V AC	135W	18800	120	>80	IP65	3000K/5000K	No

IP65

COMPARISON BETWEEN GEN-X LED FLOODS AND STANDARD LED FLOODS

NEW 75W GEN-X Flood ≡ Standard 110w LED Flood
NEW 95W GEN-X Flood ≡ Standard 150w LED Flood
NEW135W GEN-X Flood ≡ Standard 200w LED Flood

75W

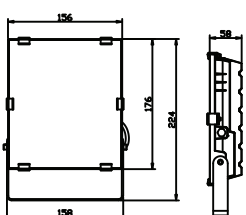| 75W BEAM ANGLE 120DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1.2	6136	5.94
2.4	1534	11.88
3.6	681	17.82
4.8	383	23.76
6.0	245	29.70

95W
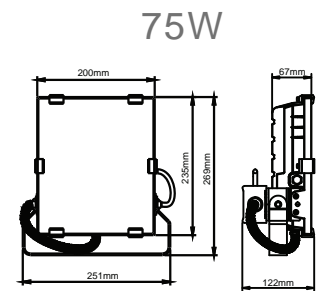
95W BEAM ANGLE 120DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1.2	7661	7.61
2.4	1915	15.22
3.6	851	22.83
4.8	478	30.44
6.0	306	38.05
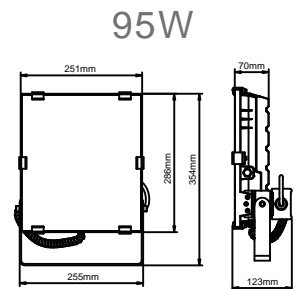
135W

135W BEAM ANGLE 120DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1.2	10255	7.85
2.4	2563	15.70
3.6	1139	23.55
4.8	640	31.40
6.0	410	39.25

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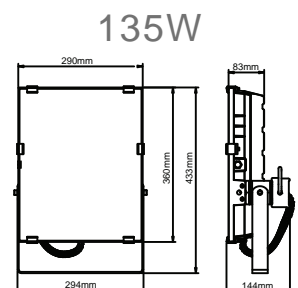
240W - 480W LED SPORTS LIGHTS

The 240W - 480W LED sports light fitting with various size lenses enables the light beam to be focused as required to eliminate overspill and increase light intensity and focuses the light where the light is required. The slimline design allows for easy installation . Coupled with a high quality "MEANWELL " driver and "PHILLIPS" chip ensures the highest quality and long life.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Weight (Kg)	CRI	Beam Angle	Colour Temp	Ambient Temp Range
FA-X2-240W	240V AC	240W	27,600	12	>80	30/60/100	4000-6000K	-30°C~+50°C
FA-X3-360W	240V AC	360W	41,400	16	>80	30/60/100	4000-6000K	-30°C~+50°C
FA-X4-480W	240V AC	480W	55,200	20	>80	30/60/100	4000-6000K	-30°C~+50°C

FEATURES - IP65 rated for outdoor use - 5 year warranty - high quality driver and chip - Australian safety approved

FA-X2-240W   FA-X3-360W   FA-X4-480W
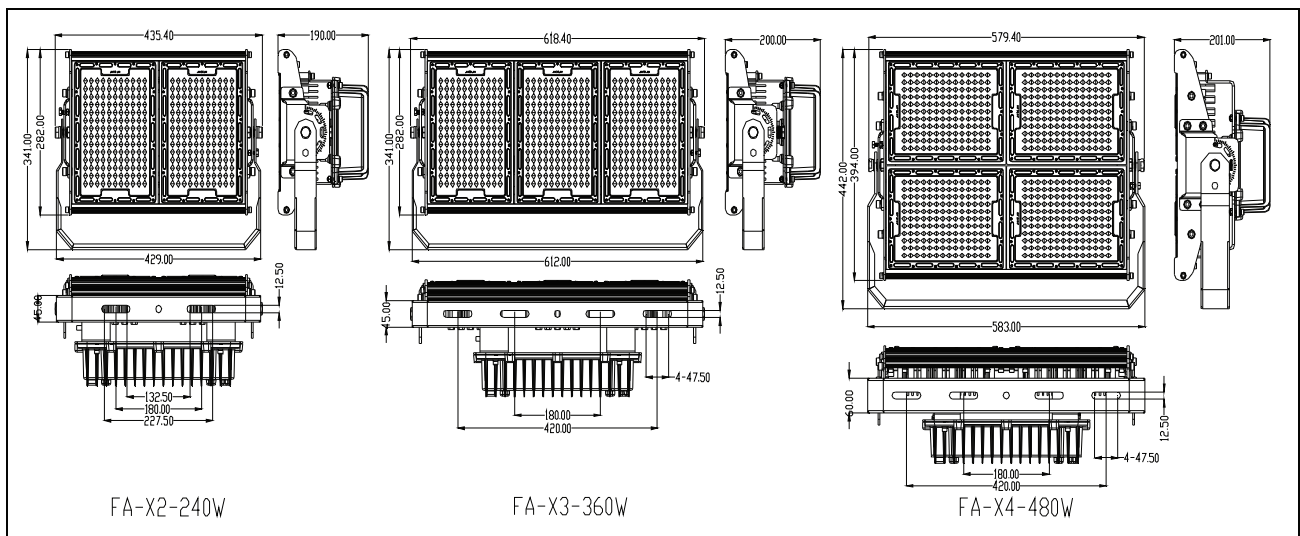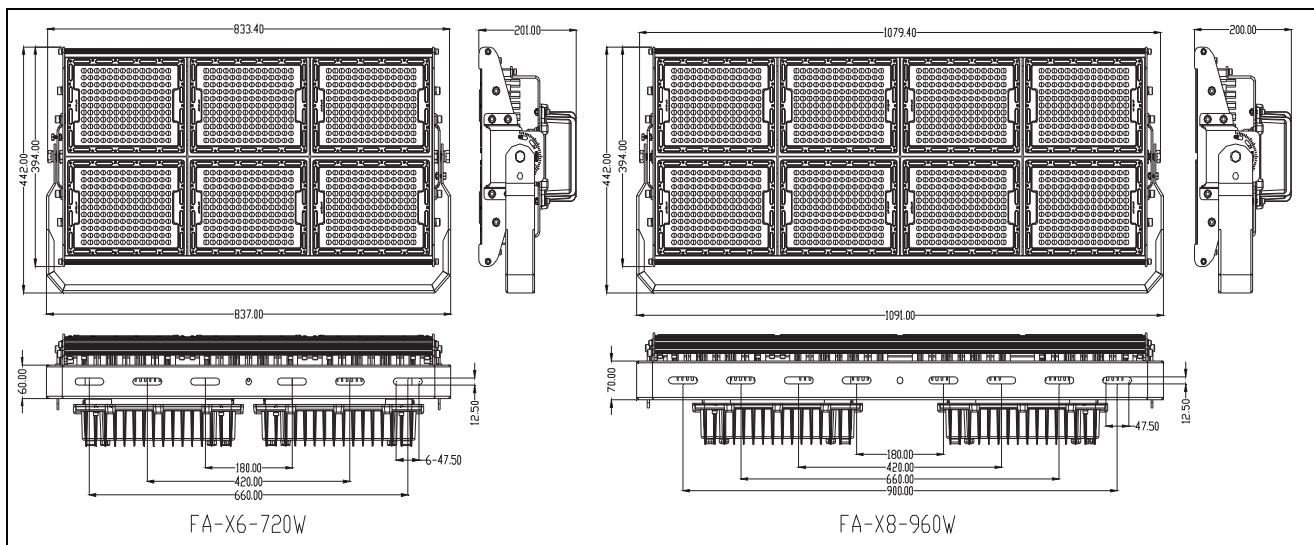
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720W - 960W LED SPORTS LIGHT

The 720W - 960W LED sports light fitting with various size lenses enables the light beam to be focused as required to eliminate overspill and increase light intensity and focuses the light where the light is required. The slimline design allows for easy installation . Coupled with a high quality "MEANWELL " driver and "PHILLIPS" chip ensures the highest quality and long life.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Weight (Kg)	CRI	Beam Angle	Colour Temp	Ambient Temp Range
FA-X6-720W	240V AC	720W	82,800	32	>80	30/60/100	4000-6000K	-30°C~+50°C
FA-X8-960W	240V AC	960W	110,400	40	>80	30/60/100	4000-6000K	-30°C~+50°C

FEATURES - IP65 rated for outdoor use - 5 year warranty - high quality driver and chip - Australian safety approved

FA-X6-720W

FA-X8-960W

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300W - 1000W LED SPORTS LIGHTS

The 300W -1000W LED sports light fitting with various size lenses enables the light beam to be focused as required to eliminate overspill and increase light intensity and focuses the light where the light is required. The slimline design allows for easy installation . Coupled with a high quality "MEANWELL " driver and "PHILLIPS" chip ensures the highest quality and long life.

Product Code	Voltage (V)	Wattage (W)	Luminous efficiency	Weight (Kg)	CRI	Beam Angle	Colour Temp	Ambient Temp Range
FL300W	240V AC	300W	160Lm/w	18	>70	15/30	3000-6000K	-30°C~+50°C
FL400W	240V AC	400W	160Lm/w	18	>70	15/30	3000-6000K	-30°C~+50°C
FL500W	240V AC	5000W	160Lm/w	18	>70	15/30	3000-6000K	-30°C~+50°C
FL600W	240V AC	600W	160Lm/w	18	>70	15/30	3000-6000K	-30°C~+50°C
FL700W	240V AC	700W	160Lm/w	18	>70	15/30	3000-6000K	-30°C~+50°C
FL800W	240V AC	800W	160Lm/w	30	>70	15/30	3000-6000K	-30°C~+50°C
FL900W	240V AC	900W	160Lm/w	30	>70	15/30	3000-6000K	-30°C~+50°C
FL1000W	240V AC	1000W	160Lm/w	30	>70	15/30	3000-6000K	-30°C~+50°C

FEATURES

- Philips Lumiled chips and Meanwell driver

- IP65 rated for outdoor use

- 5 year warranty

- high quality driver and chip

- Australian safety approved

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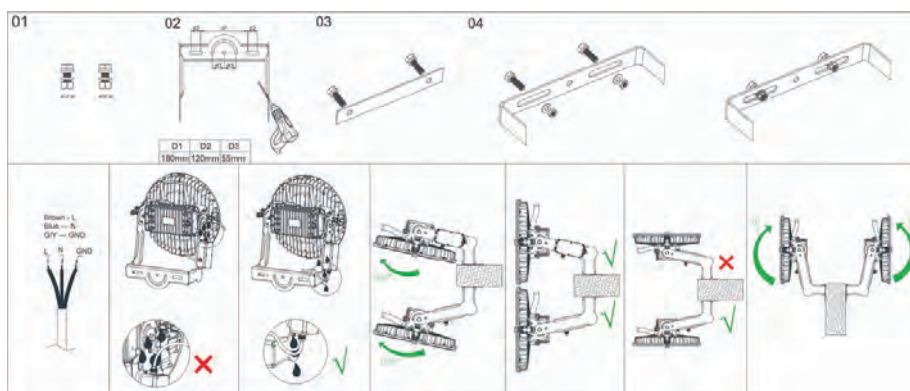
LED STREET LIGHTS

LED Street light fittings are high brightness with low power consumption. The robust aluminum housing has a specifically designed lens to evenly distribute the light along a roadway or pathway. The driver is designed to maximise light output and energy efficiency making this street light ftting the ideal choice for any street lighting application.

| Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Beam angle	CRI	IP Rating	Colour Temp	Power Factor
LES30	240V AC	30W	3700	130x70	>80	IP65	3000-7000K	0.98
LES40	240V AC	40W	4950	130x70	>80	IP65	3000-7000K	0.98
LES60	240V AC	60W	7320	130x70	>80	IP65	3000-7000K	0.98
LES90	240V AC	90W	10,900	130x70	>80	IP65	3000-7000K	0.98
LES120	240V AC	120W	14,500	130x70	>80	IP65	3000-7000K	0.98
LES160	240V AC	160W	19,300	130x70	>80	IP65	3000-7000K	0.98
LES200	240V AC	200W	24,100	130x70	>80	IP65	3000-7000K	0.98

LES30, LED40, LES60
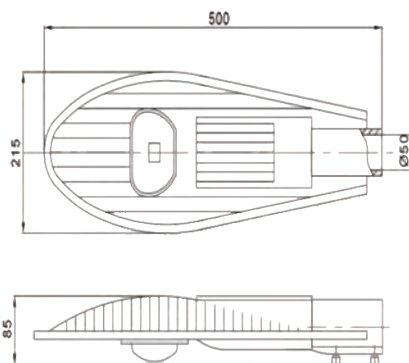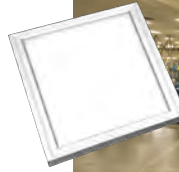
LES90, LES120

LES160, LES200

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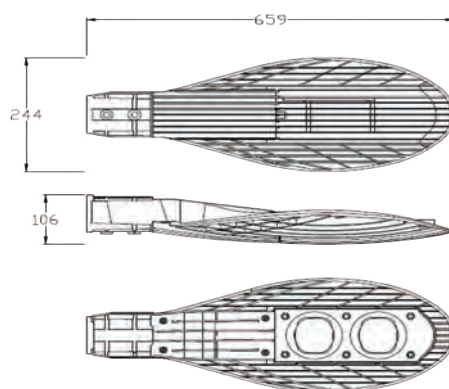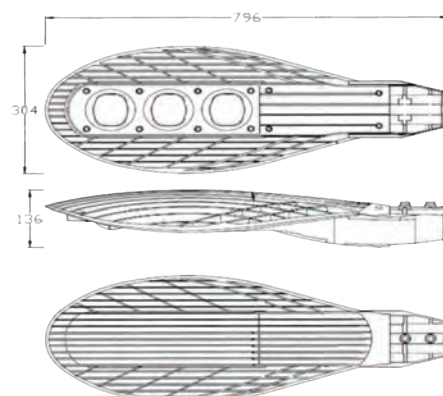
PREMIUM PANEL LIGHTS
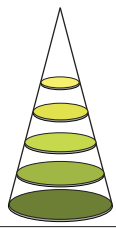
MLP30018	BEAM ANGLE 120 DEG	
Distance (M)	Max (lux)	Diameter (M)
0.5	2132	1.47
1	533	2.94
1.5	236	4.41
2	133	5.89
2.5	85	7.36
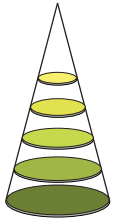
MLP60040	BEAM ANGLE 120 DEG	
Distance (M)	Max (lux)	Diameter (M)
1	1303	2.9
2	301	5.9
3	133	8.8
4	72	11.8
5	48	14.7
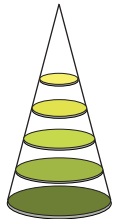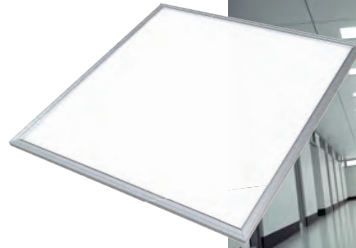
MLP60048	BEAM ANGLE 120 DEG	
Distance (M)	Max (lux)	Diameter (M)
1	1794	3
2	494	6.1
3	174	9.1
4	128	12.1
5	74	15.2
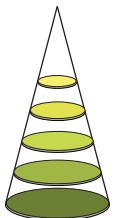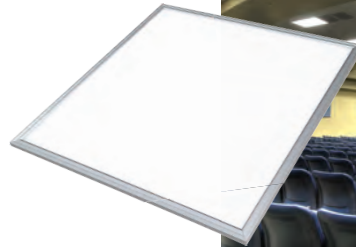
MLP120040	BEAM ANGLE 120 DEG	
Distance (M)	Max (lux)	Diameter (M)
1	1291	2.9
2	323	5.9
3	143	8.8
4	81	11.8
5	52	14.7
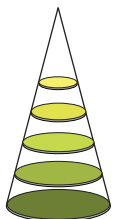
MLP120048	BEAM ANGLE 120 DEG	
Distance (M)	Max (lux)	Diameter (M)
1	1597	3
2	482	6.1
3	224	9.1
4	125	12.1
5	77	15.2
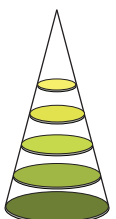
MLP120072	BEAM ANGLE 120 DEG	
Distance (M)	Max (lux)	Diameter (M)
1	2249	2.9
2	592	5.9
3	281	8.8
4	155	11.8
5	87	14.7

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PREMIUM PANEL LIGHTS

LED Panel Lights have high luminous efficiency and low power consumption also coupled with constant current driver systems giving protection from unstable voltages. With a life span of more than 40,000 hrs, panel lights produce no thermal radiation or UV rays. In addition the high frequency flicker from LED panel lights is eliminated compared to traditional tube lighting systems.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Lumen (Lm)	Lm/W	Colour Temp (K)	Dimensions	Dimmable
MPL30018	240V AC	18W	>0.90	1800	100	3000-6000	295 x 295	optional
MPL30024	240V AC	24W	>0.90	2400	100	3000-6000	295 x 295	optional
MPL60040	240V AC	40W	>0.90	4000	100	3000-6000	595 x 595	optional
MPL60048	240V AC	40W	>0.90	4800	120	3000-6000	595 x 595	optional
MPL120040	240V AC	40W	>0.90	4000	100	3000-6000	1195 x 295	optional
MPL120048	240V AC	40W	>0.90	4800	120	3000-6000	1195 x 295	optional
MPL120072	240V AC	72W	>0.90	7200	100	3000-6000	1195 x 595	optional

CCT   DALI   0/1-10V   PUSH   TRIAC   FLICKER FREE   ISOLATED

RESESSED MOUNTING PANEL FRAMES
Panel frames are available for 295x295, 595x595, 1195x295, 1195x 295 panels

SURFACE MOUNTING PANEL FRAMES
Panel frames are available for 295x295, 595x595, 1195x295, 1195x 295 panels

Wire suspension kit

LAMP POST LIGHT FITTINGS

LED Garden lamps are ideal for lighting, courtyards, walkways, garden areas and general outdoor lighting applications. Posts are available in various options, made from aluminium alloy and powder coated in dark grey, they are also available in special colours on request.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	IP Rating	CRI	Chip Type	Colour Temp	Dimmable
GL-29	240V AC	30W	2165	IP65	>75	Bridgelux	2700K - 5000K	No
GL-30	240V AC	50W	3610	IP65	>75	Bridgelux	2700K - 5000K	No
GL-31A	240V AC	30W	2165	IP65	>75	Bridgelux	2700K - 5000K	No
GL-31B	240V AC	2x30W	4430	IP65	>75	Bridgelux	2700K - 5000K	No

Part Number: GL-29

Part Number. GL-30

Part Number: GL-31A, GL-31B
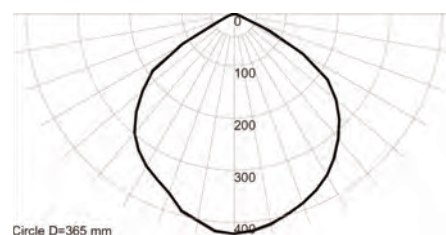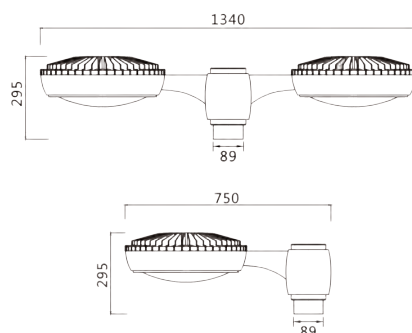
Pole also available Part number: P4500   (4.5m pole)

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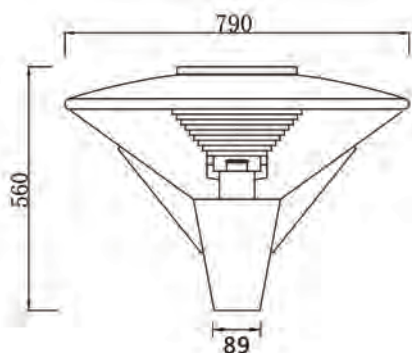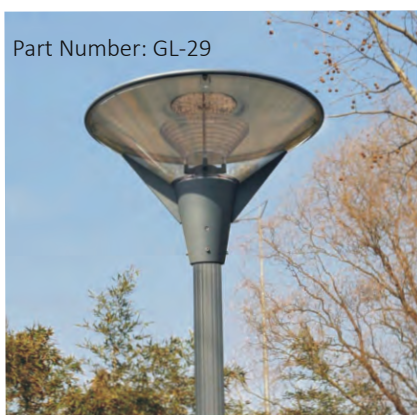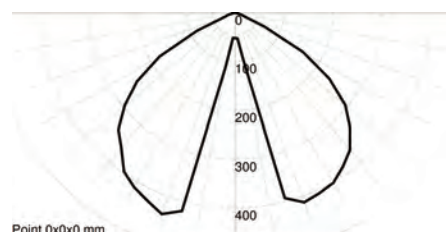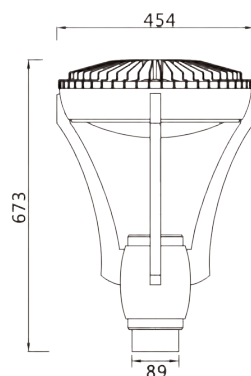
LAMP POST LIGHT FITTINGS

LED Garden lamps are ideal for lighting courtyards, walkways, garden areas and general outdoor lighting applications. Posts are available in various options, made from aluminium alloy, powder coated in dark grey and they are also available in special colours on request.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	IP Rating	CRI	Chip Type	Colour Temp	Dimmable
GL-32-30	240V AC	1x 30W	2400	IP65	>80	Bridgelux	2700K - 5000K	No
GL-32-50	240V AC	1x50W	4000	IP65	>80	Bridgelux	2700K - 5000K	No
GL-33-30	240V AC	2x 30W	4800	IP65	>80	Bridgelux	2700K - 5000K	No
GL-33-50	240V AC	2x50W	8000	IP65	>80	Bridgelux	2700K - 5000K	No

Light Distribution
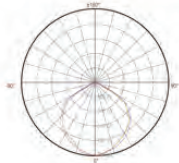
Without Lens
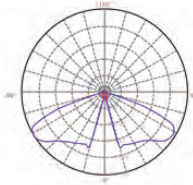
With Lens

Part Number: GL-32

Part Number: GL-33

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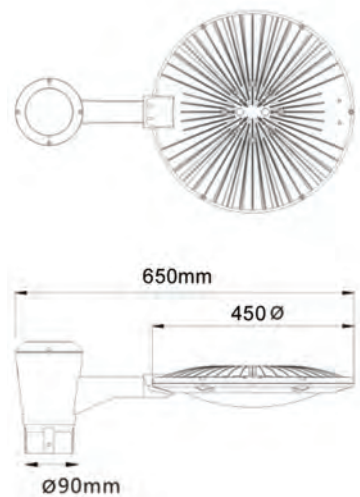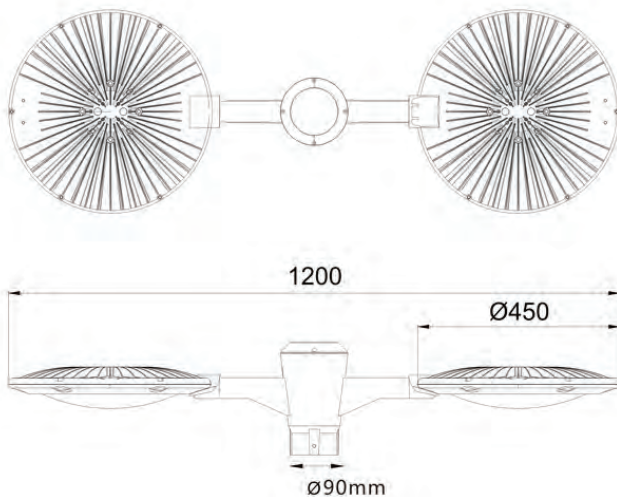
INGROUND UPLIGHTERS

LED Garden lighting products are constructed from high quality 316 marine grade stainless steel and resin filled to make this product suitable for all weather conditions. Including submersible applications in ponds and water features, around pools, decking and garden beds.

Product Code	Voltage (V)	Wattage (W)	IP Rating	Lumen (Lm)	Beam Angle	LED Chip Type	Material Type	LED Qty
SUL11	2/24V DC	1W	IP68	120	20/60	CREE	316 Stainless	1
SUL11-WR	12/24V DC	1W	IP68	120	20/60	CREE	316 Stainless	1
SUL13	24V DC	3W	IP68	240	20/60	CREE	316 Stainless	3
SUL16	24V DC	6W	IP68	480	10/40	CREE	316 Stainless	6
SUL18	24V DC	8W	IP68	720	10/40	CREE	316 Stainless	8

Note : all garden lighting can be controlled and dimmed with ECO1 smart system or other controllers available. Ask us for a package solution

CW WW RED GRE BL AMB RGB

SUL11

SUL11-WR wide rim

SUL13

SUL16

SUL18

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INGROUND UPLIGHTERS

This high power, high brightness 12W to 24W inground uplighter is available in spot or frosted glass. These fittings produce1200- 2400 lm. The integrated thermal design has excellent heat dissipation and extended life. The high impact tempered glass front and patented cable water proofing design eliminates water or moisture intrusion, making this fitting very robust and is ideal to be installed in harsh environments. Perfect for use in any indoor, outdoor or submersible applications.

Product Code	Voltage (V)	Wattage (W)	IP Rating	Lumen (Lm)	Beam Angle	LED Chip Type	Material Type	LED Qty
SUL112	12/24V DC	12W	IP68	1200	10/20/40/60	CREE	316 Stainless	12
SUL118	12/24V DC	18W	IP68	1800	10/20/40/60	CREE	316 Stainless	18
SUL124	12/24V DC	24W	IP68	2400	10/20/40/60	CREE	316 Stainless	24

Note : all garden lighting can be controlled and dimmed with ECO1 smart system or other controllers available.

Ask us for a package solution

CW WW RED GRE BL AMB RGB

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3W - 9W BASE MOUNT GARDEN LIGHTS

These high output 3W-9W base mount fittings with high impact tempered glass front and patented cable water proofing design eliminates water or moisture intrusion, making this fitting very robust and ideal to be installed in harsh environments. Perfect for use in any indoor, outdoor or submersible application.

Product Code	Voltage (V)	Wattage (W)	IP Rating	Lumen (Lm)	Beam Angle	LED Chip Type	Material Type	LED Qty
SSM13	12/24V DC	3W	IP68	300	20/60	CREE	316 Stainless	3
SSM19	12/24V DC	9W	IP68	RGB only	20/60	CREE	316 Stainless	3
SSM16	24V DC	6W	IP68	560	10/40	CREE	316 Stainless	6

Note : all garden lighting can be controlled and dimmed with ECO1 smart system or other controllers available.

Ask us for a package solution

CW   WW   RED   GRE   BL   AMB   RGB

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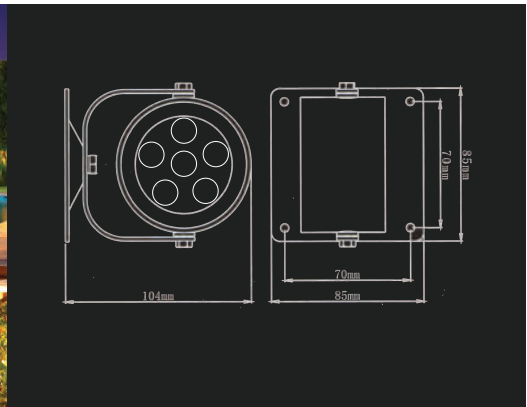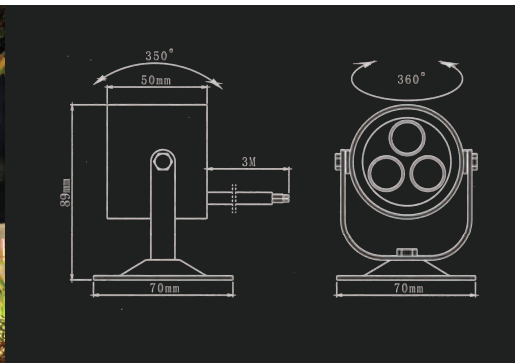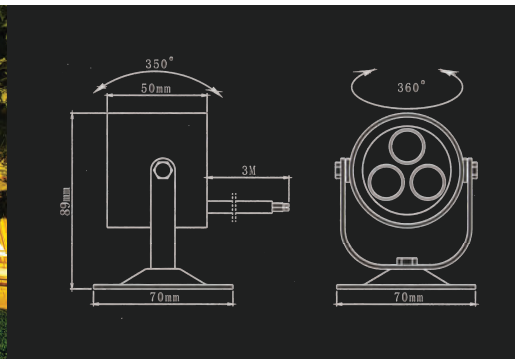
12W-24W BASE MOUNT GARDEN LIGHTS

This high power, high brightness 12W to 24W base mount garden light produces 1200 - 2400 lm. The integrated thermal design has excellent heat dissipation and extended life. The high impact tempered glass front and patented cable water proofing design eliminates water or moisture intrusion, making this fitting very robust ideal to be installed in harsh environments. Perfect for use in any indoor or outdoor application.

Product Code	Voltage (V)	Wattage (W)	IP Rating	Lumen (Lm)	Beam Angle	LED Chip Type	Material Type	LED Qty
SSM112	24V DC	12W	IP67	1200	10/20/40/60	CREE	CastAlloy	12
SSM118	24V DC	18W	IP67	1800	10/20/40/60	CREE	Cast Alloy	18
SSM124	24V DC	24W	IP67	2400	10/20/40/60	CREE	Casr Alloy	24

Note : all garden lighting can be controlled and dimmed with ECO1 smart system or other controllers available.

Ask us for a package solution

CW WW RED GRE BL AMB RGB

GARDEN LIGHTING

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GARDEN STEP LIGHTS

This surface mount step light with a modern and stylish design is ideal for use on steps, pathways and any indoor or outdoor decorative lighting application. The patented cable water proofing design eliminates water or moisture intrusion and the 316 stainless steel makes this fitting very robust and ideal to be installed in harsh environments.

Product Code	Voltage (V)	Wattage (W)	IP Rating	Lumen (Lm)	Beam Angle	LED Chip Type	Material Type	LED Qty
SSL11	12/24V DC	1W	IP67	120	diffused	CREE	316 SS	1
SSL11/2	12/24V DC	1W	IP67	120	diffused	CREE	316 SS	1
SSL13	12/24V DC	3W	IP67	240	diffused	CREE	316 SS	3
SSL13/2	12/24V DC	3W	IP67	240	diffused	CREE	316 SS	3

Note : all garden lighting can be controlled and dimmed with ECO1 smart system or other controllers available.

Ask us for a package solution

CW   WW   RED   GRE   BL   AMB

Ø44

43

45mm

3M

Ø88mm

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GARDEN STAKE LIGHTS

LED Garden lighting products are constructed from high quality 316 marine grade stainless steel and resin filled making this product suitable for all weather condition applications. Ideal for lighting in garden beds etc.

Product Code	Voltage (V)	Wattage (W)	IP Rating	Lumen (Lm)	Beam Angle	LED Chip Type	Material Type	LED Qty
SGS11	12/24V DC	1W	IP68	120	12/45	CREE	316 Stainless	1
SGS13	12/24V DC	3W	IP68	240	20/60	CREE	316 Stainless	3

Note : all garden lighting can be controlled and dimmed with ECO1 smart system or other controllers available.

Ask us for a package solution

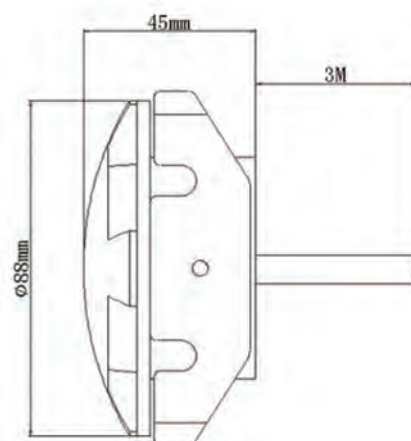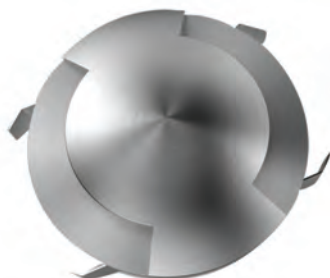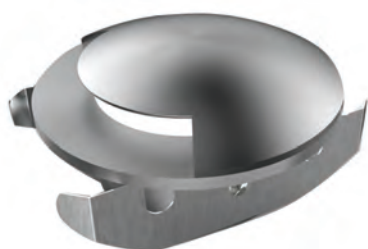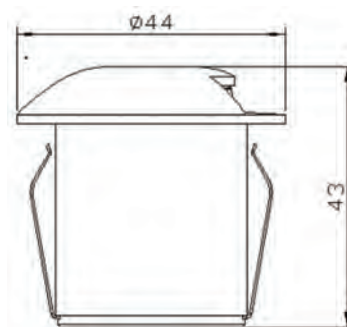| CW	WW	RED	GRE	BL	AMB

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RECTANGULAR UP LIGHTS

LED Garden Wall/Up lighting products are constructed from high quality 316 marine grade stainless steel aluminium and resin filled making this product suitable for all weather condition applications. Ideal for all garden lighting applications etc.

Product Code	Power input	Wattage (W)	IP Rating	Lumen (Lm)	Beam Angle	LED Chip Type	Material Type	LED Qty
SL550/18S	24V DC	12W	IP67	800	20/30/45/60/120	CREE	316 Stainless	12
SL550/18RGB	350mA	12W	IP67	N/A	20/30/45/60/120	CREE	316 Stainless	12

Note : all garden lighting can be controlled and dimmed with ECO1 smart system or other controllers available.
Ask us for a package solution

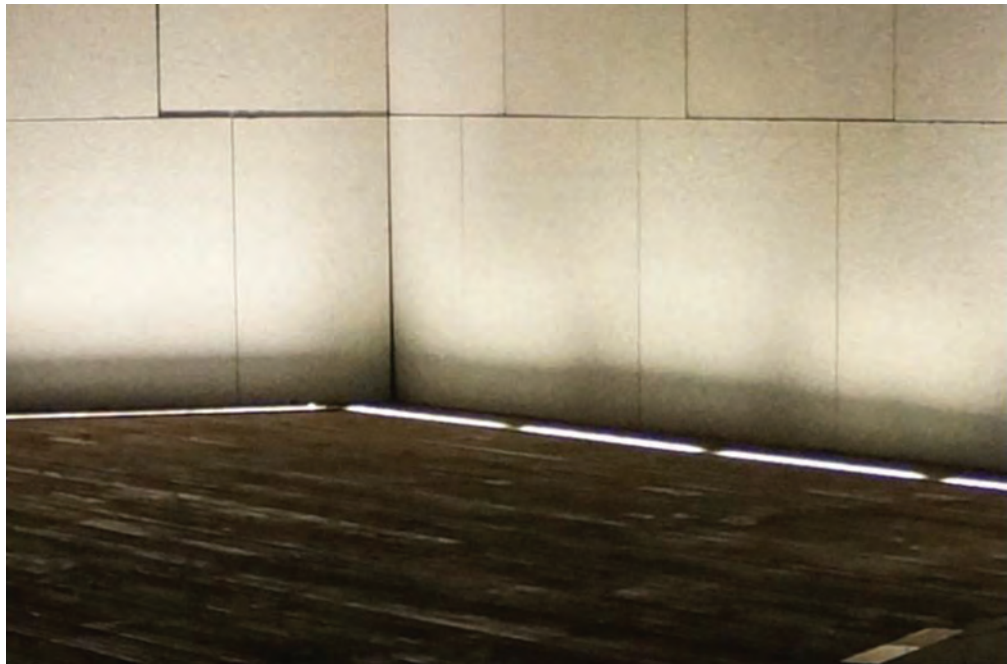CW   WW   RED   GRE   BL   AMB

Overall size: 550l x 76w x 29d
Cutout 505l x 60w

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OUTDOOR OYSTER LIGHT FITTINGS

The surface mount round and rectangular oyster light has a modern and stylish design. Ideal for use in any indoor or outdoor areas and also suitable for wall and ceiling mounting or any decorative lighting application. The cast aluminium base and polycarbonate cover makes this a robust and durable fitting.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Dimentions	CRI	Colour temp	Dimmable
OWP20	240V AC	20W	>0.85	1520(WW)	300x90mm	> 75	3000K	No
OWP20	240V AC	20W	>0.85	1610(CW)	300x90mm	> 75	6000K	No
RWPE20	240V AC	20W	>0.85	1520(WW)	290x175x88mm	> 75	3000K	No
RWPE20	240V AC	20W	>0.85	1610(CW)	290x175x88mm	> 75	6000K	No
RWPR20	240V AC	20W	>0.85	1520(WW)	290x175x88mm	> 75	3000K	No
RWPR20	240V AC	20W	>0.85	1610(CW)	290x175x88mm	> 75	6000K	No

* Available in silver-grey or black finish

RWPR20

0WP20

RWPE20

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OUTDOOR BOLLARD

OutDoor Bollards are ideal for a range of applications constructed from aluminium and polycarbonate makes this product suitable for all weather condition applications. can be be fitted with a range of 240VAC led lamps or conventional lamps and can be easily modified for low voltage applications.

Product Code	Power input	Lamp Base	IP Rating	Max Power (W)	Dimentions	Material Type
GB14100	240VAC	BC	IP54	60W	(L)1000mm X (D) 140mm	Aluminium + PC

Note : all garden lighting can be controlled and dimmed with ECO1 Smart control or AL3600RC, AL3200RC ask us for a package solution

RECHARGEABLE WORK LIGHT

LED portable work lights are constructed from robust cast aluminium. This work light is mercury free, environmentally friendly, with a high light output and long life lithium removable battery. LED work lights are low maintenance and operate on a safe working voltage, with no connecting cables and comfortable carry handle make it very portable. These work lights come complete with a 240v AC charge adaptor & car charger included. In addition the battery has a dimming function which extends the battery life to 24 hours of run time and also has USB charger outlet built in.

Product Code	Charger output Voltage	Wattage (W)	Luminous Flux (Lm)	Beam Angle	Colour Temp	Weight (Kg)
WR20RB	12VDC	20W	2000	110	3000-6000(CW)	2.1

Battery Code	Charger output Voltage	Battery type	Chargeing time	Battery life	Weight (Kg)
BDP20	12VDC	8.8Ah Lithium	6 Hours	6-24 Hours	0.9

Collapsible Tripod to suit 1, 2 or 3 flood lights or rechargeable work lights

WR20RB

Disconnect Button

Charging Socket

USB OUTPUT 5V 1A

ON/Off & Dimmer switch

LED indicator

BEAM ANGLE 110 DEG		
Distance (M)	Max (lux)	Diameter (M)
1	574	2.41
2	143	4.82
3	64	7.24
4	36	9.65
5	23	12.06

20W

215 mm

185mm

290 mm

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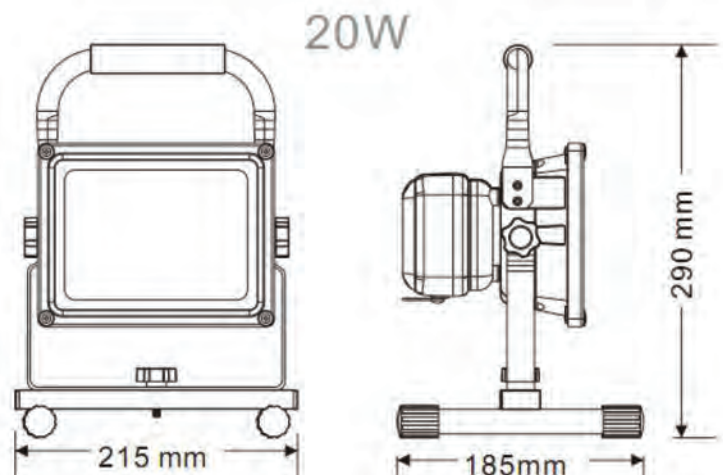
RECHARGEABLE 360° POST LIGHT

LED portable 360 degree post lights are constructed from robust cast aluminium, are mercury free environmentally friendly with a high light output and long life lithium battery. With 360 degree light output it is ideal for construction sites, party lighting, camping and many other uses. LED post lights are low maintenance and operate on a safe working voltage, with no connecting cables and comfortable carry handle make it very portable. These post lights come complete with a 240v AC charge adaptor and the battery has a dimming function which extends the battery life to 12 hours of run time.

| Product Code	Charger output Voltage	Wattage (W)	Luminous Flux (Lm)	Beam Angle	Colour Temp	Weight (Kg)	Battery Lithium	Charge time	Battery Run time
WR360-20	24VDC	20W	1800	360	3000-6000	3.6	18.5v/4.0Ah	4 Hours	3-12 Hours
WR360-40	24VDC	40W	3600	360	3000-6000	4.7	18.5v/5.2Ah	4 Hours	3-12 Hours
WR360-60	24VDC	60W	5400	360	3000-6000	5.1	18.5v/8.0Ah	4 Hours	3-12 Hours

850mm

20W

1110mm

40W

1420mm
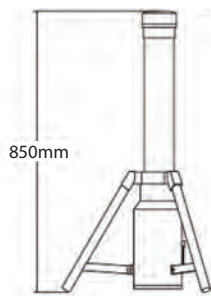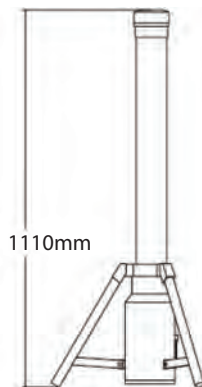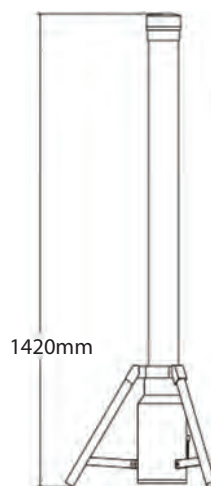
60W

colour range available

RGB LED CONTROLLERS

The AL3600RC multi function controller can provide multiple colour changing options, preset scene control, dimming and speed control. The AL3600RC is a stand alone device or can be used inconjunction with the AL3060 expansion module to allow the controller to control an unlimited number of LED modules. This multifunction controller can be controlled via the onboard key pad or via the remote control unit supplied with the controller.

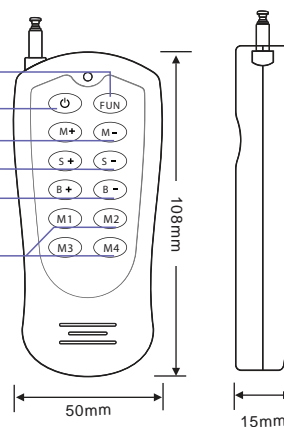| ProductCode	AL-3600RC
Input Voltage	12 - 24V DC
Output Current	6A × 3CH
Output Power	216W/432W(12V/24V)
Control Distance	30 Metres Max
Weight	290g
Ambient Temp Range	-20°C~+50°C
Colour change modes	32 fixes modes, 8 DIY modes)
Control output	single colouer,color temp, RGB
Package size	L265 x W36 x H44

Short press: Switch 8 kinds of mode types;
Long press: Switch 4 kinds of mode directions.

ON/OFF(Long press, the buzzer can be on or off)

Mode+/Mode-

Speed+/Speed-

BRT+/BRT-

Scene-mode key

108mm

50mm

15mm

IR Remote Control

Repeaters are All Connected to Controller in Parallel.

211mm

40mm

LED CONTROLLER

20mm

203mm

30mm

15mm

16mm

10mm

10mm

INPUT:DC12V-DC24V **LED CONTROLLER** TOUCH PANEL

DC+ PAUSE II

DC-

MODEL:T3-5A
REMOTE CONTROL

On/Off button Mode button Speed button

Pause button Brightness button LED Lamp connected socket

DC12~24V power input socket

in-phase cable

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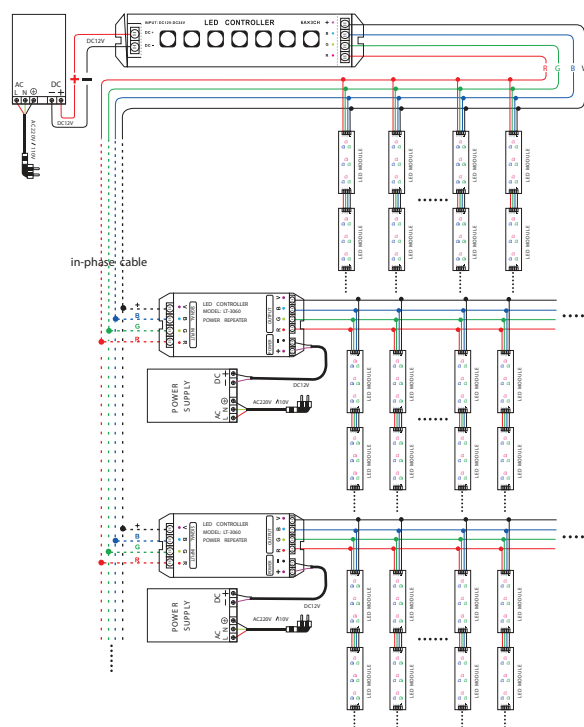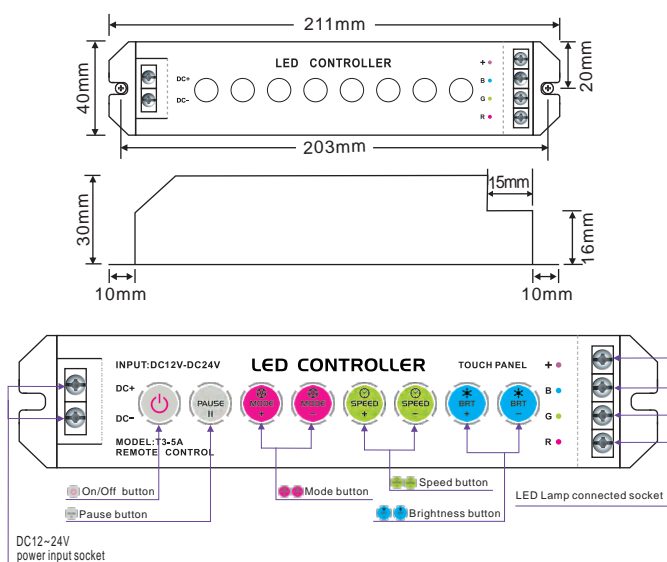
HAND HELD REMOTE CONTROLLERS

This range of LED controllers operate via global 2.4GHZ RF wireless transmission technology. The modules are able to control colour temperature, dimming functions and RGB colour changing control. The control system consists of two parts, the RF remote control and the receiver. This system allows 1 controller to control an unlimited number of receiver modules and is capable of controlling a wide range of LED lighting products.

Touch Slide RF Remote Control

SC-1 Dimming Controller	SC-2 CCT Controller	SC-3 RGB Controller
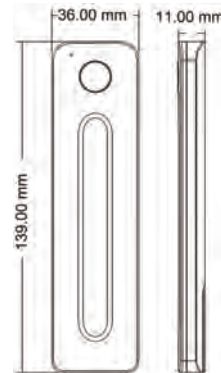
- magnetic mounting plate • Ultra sensitive slider • 0% -100% smooth dimming.
- RF 2.4G, 30m remote distance • 3VDC CR2032 battery.

Classic RF Remote Control

RC-1 Dimming Controller	RC-2 CCT Controller	RC-3 RGB Controller	RC-5 RGB+CCT Controller
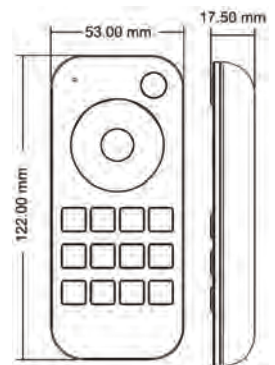
- Sensitive touch wheel. • group controllable • LED indicator light • 4 zone.
- 0.5% -100% smooth dimming. • RF 2.4G, 30m remote distance.• 3VDC (2 x AAA) battery.

Slimline RF Remote Control

SRC-1 Dimming Controller	SRC-2 CCT Controller	SRC-3 RGB Controller	SRC-5 RGB+CCT Controller

- Sensitive touch wheel. • 1 zone • can be set for group control.
- 0.5% -100% smooth dimming. • RF 2.4G, 30m remote distance.• 3VDC CR2032 battery.

LED CONTROLLERS

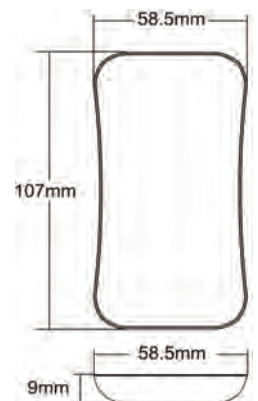The recievers can be controlled by a range of hand held remotes, which enables you to control multiple zones by one remote with endless receivers in each zone and synchronize. Each receiver can be controlled by 10 remotes. The remote control range is up to 30m , with controller's auto-transmitting function to achieve control distance up to 30 metres.

Constant Voltage Receiver
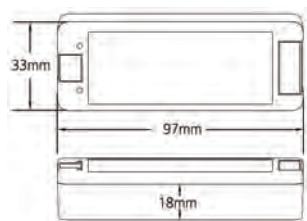
Product Code	Input Voltage	Output Current	Output Power
CR-CV1	5-36VDC	1CH, 8A/CH	1x(40-388)W
CR-CV2	12-24VDC	2CH, 5A/CH	2x(60-120)W
CR-CV3	12-24VDC	3CH, 4A/CH	3x(48-96)W
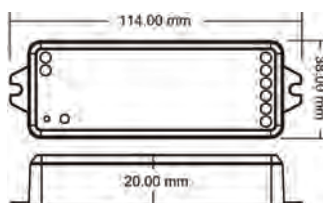
Product Code	Input Voltage	Output Current	Output Power
CR-CV4	12-24VDC	4CH, 3A/CH	4x(36-72)W
CR-CV5	12-24VDC	5CH, 3A/CH	5x(36-72)W
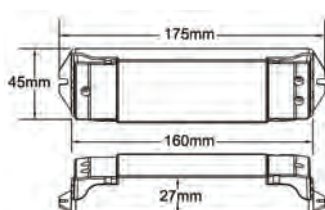
Product Code	Input Voltage	Output Current	
CR-CV1-15	12-24VDC	1CH, 15A/CH	1x(180-360)W
CR-CV2-8	12-24VDC	2CH, 8A/CH	2x(96-288)W
CR-CV3-6	12-24VDC	3CH, 6A/CH	3x(72-144)W
CR-CV4-5	12-24VDC	4CH, 5A/CH	4x(60-120)W
CR-CV5-5	12-24VDC	5CH, 5A/CH	5x(60-120)W

Constant Voltage Repeater/ Amplifier
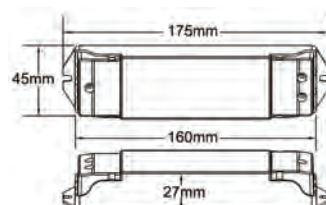
Product Code	Input Voltage	Output Current	Output Power
PR-CV1	5-36VDC	1CH, 15A/CH	1x(75-540)W
PR-CV3	12-36VDC	3CH,6A/CH	3x(72-216)W
PR-CV4	12-36VDC	4CH, 5A/CH	4x(60-180)W
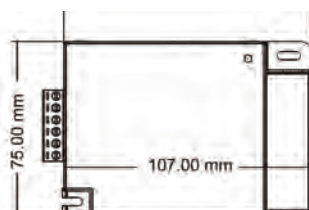
Product Code	Input Voltage	Output Current	Output Power
PR-CV5	12-24VDC	5CH, 5A/CH	5x(60-120)W

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LED CONTROLLERS

Constant Current Repeater

Product Code	Input Voltage	Output Current	Output Power
PR-4-350	12-48VDC	4CH,350mA/CH	4x(1.05-16.1)W
PR-4-700	12-48VDC	4CH,700mA/CH	4x(2.1-32.2)W

175mm
160mm
45mm
27mm
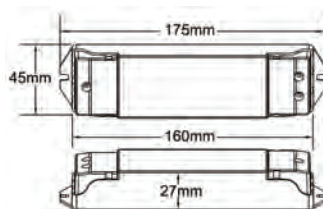
0-10V Receiver Dimmer Control

Product Code	Input Voltage	Control type	Output Power
CR-4-010	12 VDC	4 x (0-10)VDC	4CH,20mA/CH

114.00 mm
38.00 mm
20.00 mm
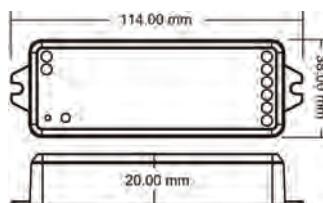
WiFi / Rf Constant Voltage Receiver

Product Code	Input Voltage	Output Current	Output Power	Input Signal
CRW-CV5	12-24VDC	3CH,6A/CH	3x(72-216)W	Tuya APP + RF 2.4GHz

Power input +
Power input -
DC socket
LED indicator
Match/Set key

LED +
Red LED -
Green LED -
Blue LED -
WW LED -
CW LED -

114.00 mm
38.00 mm
20.00 mm

3G/4G/5G
WiFi
Cloud

WiFi

Mobile Phone

WiFi Router

15m

Amazon ECHO

RF Remote(Optional)

30m

Panel RF Remote(Optional)

30m

DIM

CCT

RGB

RGBW

W T5

RGB+CCT

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DMX512 CONTROL SYSTEM

DMX controllers are the latest DMX5 l 2, DMX5 l 2(1990), DMX5 l 2-A and RDM standard protocols which enable users to set DMX address, select output channel, PWM output frequency and output brightness manually. The advanced RDM decoder features bi-directional communication to the DMX console to detect decoder, displays decoder information and sets DMX the address. The DMX lighting control system consists of DMX console that sends DMX control signal and DMX decoder which receives the control signal and outputs signal to the LED lights. With built-in RF 2.4G module, the DMX master can be controlled by a variety of single color, dual color, RGB, RGBW, RGB+CCT remotes.

We Carry a range of DMX decodes and controllers to suit a range of applications and we can custom a DMX control solution to suit you.

We also carry a range of wal mounted controllers to suit a range of applications let us custom a solution to suit you.
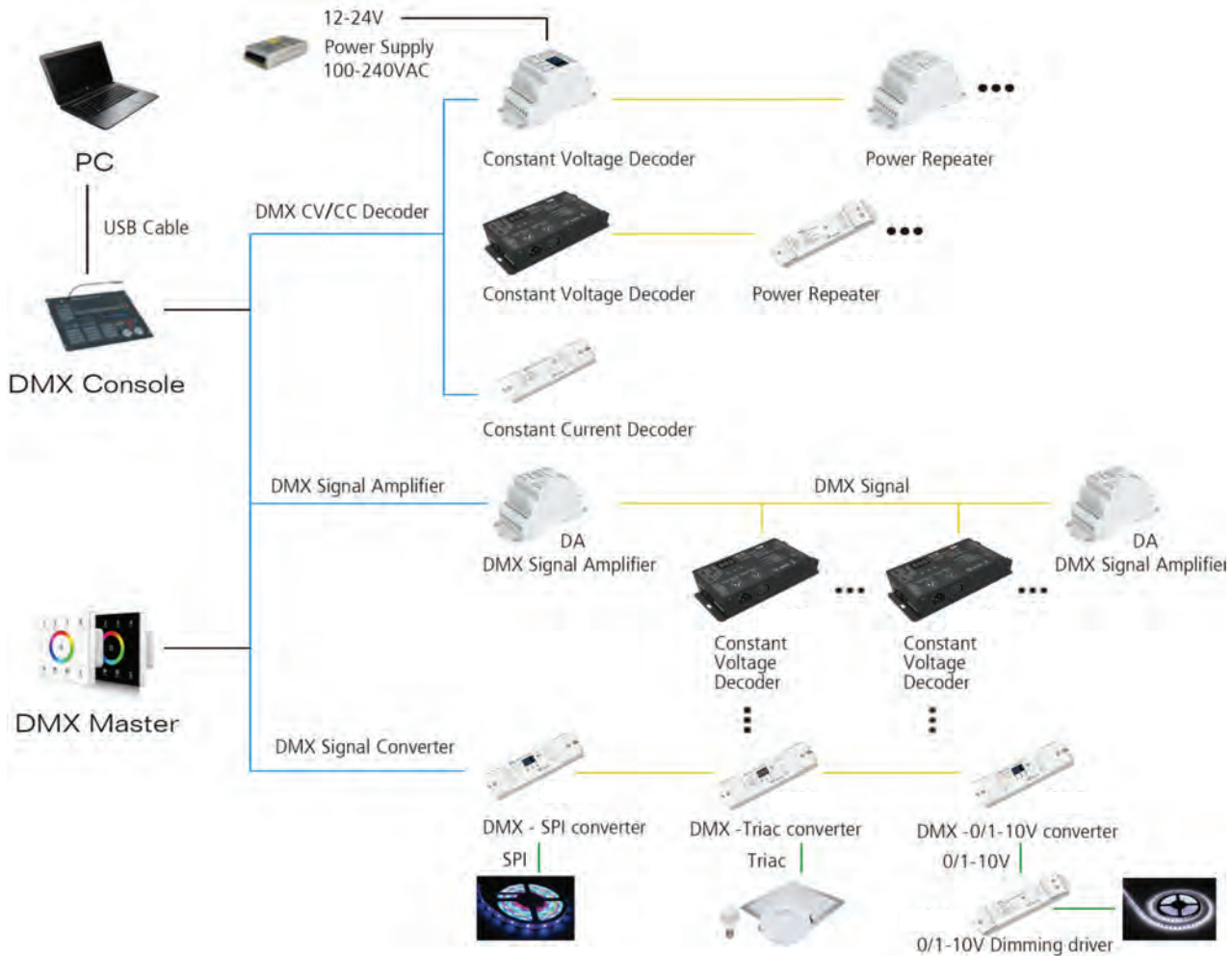
4 zones dimming   4 zones dual color   4 zones RGB   4 zones RGBW   4 zones Universal

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GU10 SPOT LAMPS

GU10 5W to 8W LED spot lamps replace halogen lamps from 20W to 50W without the need to replace the downlight fixture when used in conjunction with our GU10 flex and plug makes converting easy. Their high light output with a low power consumption, make them the ideal choice for lamp replacement in existing fixtures.

| Product Code	Voltage (V)	Wattage (W)	Power Factor (Pf)	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp (K)	Dimmable
GU105CW	240V AC	5W	>0.85	440	60	Bridgelux COB	6000K	Yes
GU105WW	240V AC	5W	>0.85	420	60	Bridgelux COB	3200K	Yes
GU106CW	240V AC	6W	>0.85	490	60	Bridgelux COB	6000K	Yes
GU106WW	240V AC	6W	>0.85	475	60	Bridgelux COB	3200K	Yes
GU108CW	240V AC	8W	>0.85	610	60	Bridgelux COB	6000K	Yes
GU108WW	240V AC	8W	>0.85	575	60	Bridgelux COB	3200K	Yes

GU105
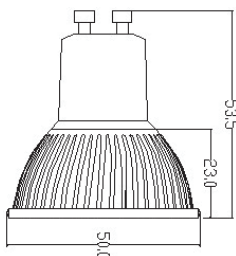
BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	263	1.15
2	119	1.73
3	68	2.31
4	43	2.88
5	30	3.46

GU106
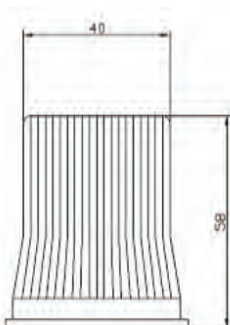
BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	343	1.15
2	153	1.73
3	86	2.31
4	55	2.88
5	38	3.46

GU108
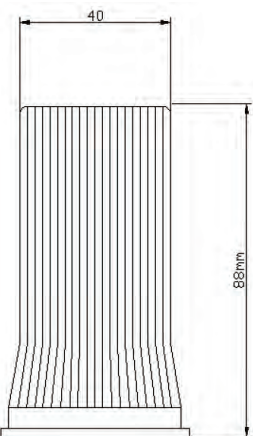
BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	526	1.15
2	233	1.73
3	131	2.31
4	84	2.88
5	53	3.46

GU10 flex and plug
downlight conversion adaptor

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MR16 LAMP KITS

MR16 lamp kit comes complete with a LED driver. The lamp kit replaces halogen lamps from 20W to 50W without the need to replace the downlight fixture, but still allows the flexibility for dimming and flicker free light output. The high light output and low power consumption makes them the ideal choice for halogen downlight replacement in existing fixtures.
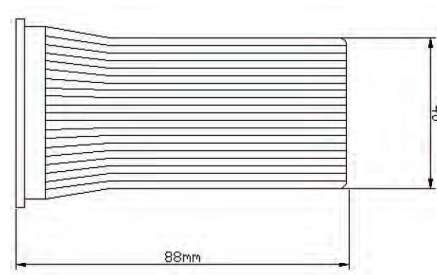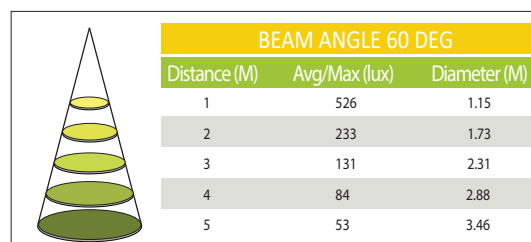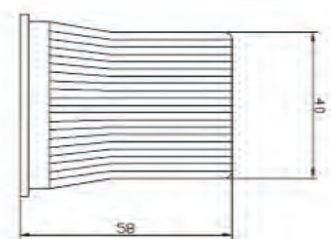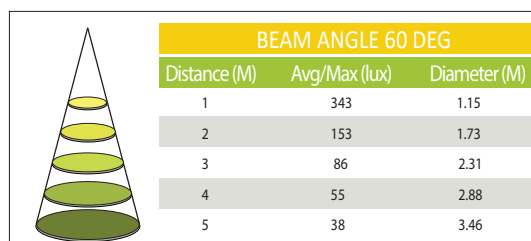
Product Code	Voltage (V)	Wattage (W)	Power Factor (Pf)	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp	Dimmable
MR166DCW	240V AC	6W	>0.85	480	60	Bridgelux COB	6000 (CW)	Yes
MR166DWW	240V AC	6W	>0.85	500	60	Bridgelux COB	3200 (WW)	Yes
MR168DCW	240V AC	8W	>0.85	660	60	Bridgelux COB	6000 (CW)	Yes
MR168DWW	240V AC	8W	>0.85	640	60	Bridgelux COB	3200 (WW)	Yes

*Kit comes complete with LED drivers

BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	343	1.15
2	153	1.73
3	86	2.31
4	55	2.88
5	38	3.46

BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	526	1.15
2	233	1.73
3	131	2.31
4	84	2.88
5	53	3.46

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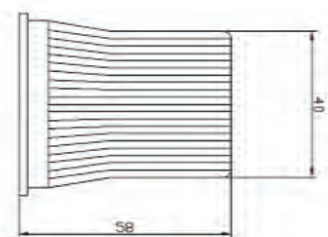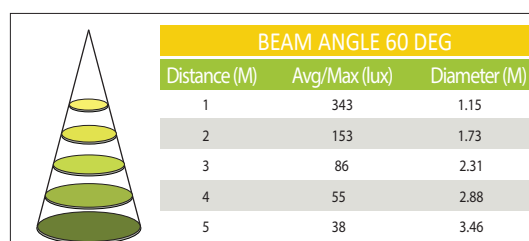CREATING A SMARTER & BRIGHTER FUTURE

MR16 SPOT LAMPS

MR16 LED spot lamps is available in 6W and 8W to replace halogen lamps from 20W to 50W without the need to replace the downlight fixture. Their high light output with a low power consumption make them the ideal choice for lamp replacement in existing fixtures.

Product Code	Voltage (V)	Wattage (W)	Power Factor (Pf)	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp	Dimmable
MR166CW	12V AC	6W	>0.85	495	60	Bridgelux COB	6000 (CW)	No
MR166WW	12V AC	6W	>0.85	470	60	Bridgelux COB	3200 (WW)	No
MR168CW	12V AC	8W	>0.85	660	60	Bridgelux COB	6000 (CW)	No
MR168WW	12V AC	8W	>0.85	640	60	Bridgelux COB	3200 (WW)	No

Suitable for most halogen downlight transformers

MR166

BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	343	1.15
2	153	1.73
3	86	2.31
4	55	2.88
5	38	3.46

MR168

BEAM ANGLE 60 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	526	1.15
2	233	1.73
3	131	2.31
4	84	2.88
5	53	3.46
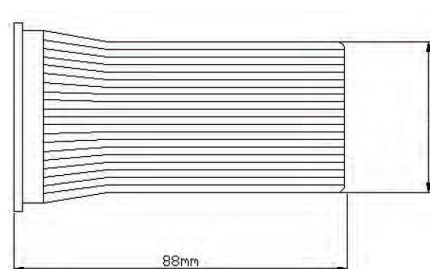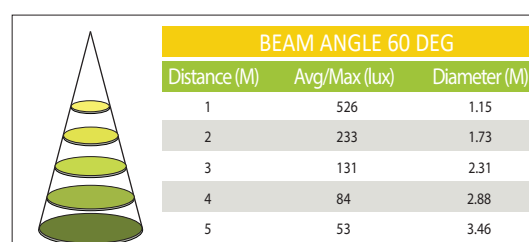
CORN LAMPS

LED corn lamps are the ideal replacement for mercury vapour, metal halide and CFL lamps in highbays or street light fittings. With a lumen ouput of over 100lm/W these lamps can provide all the light output and energy efficiency required at a fraction of the replacement cost of the complete fitting. These lamps can be supplied with ES (E27) or BC (B22) lamp bases to suit any application and also have a built-in high quality Sunon fan to help maintain a low core temperature.
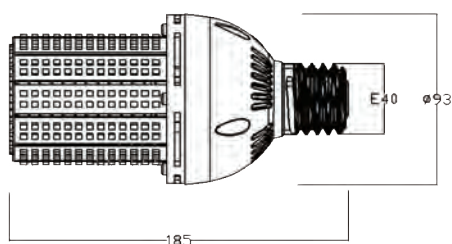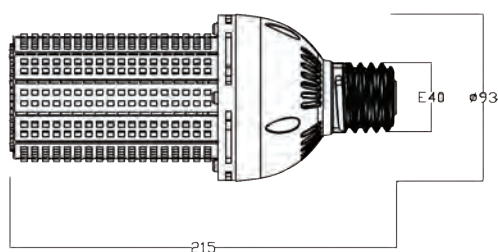
Product Code	Voltage (V)	Wattage (W)	CRI	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp	Dimmable
C20	240V AC	20W	>80	2600	360	EPISTAR SMD	3000-6000K	No
C30	240V AC	30W	>80	3900	360	EPISTAR SMD	3000-6000K	No
C40	240V AC	40W	>80	5200	360	EPISTAR SMD	3000-6000K	No
C60	240V AC	60W	>80	7800	360	EPISTAR SMD	3000-6000K	No

E40   ⌀93

185

C20

E40   ⌀93

215

C30

E40   ⌀93

257

C40

E40   ⌀120

280

C60

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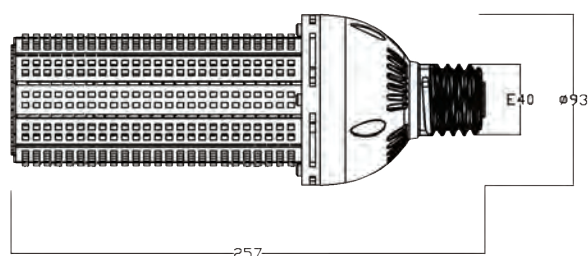
LED BATTEN LIGHT FITTINGS

We carry a range of LED batten fittings specifically designed to take LED tubes so there is no need to do any wiring modifications to standard fluro battens. Simply install the LED batten fitting then fit the led tubes to the new batten fitting.

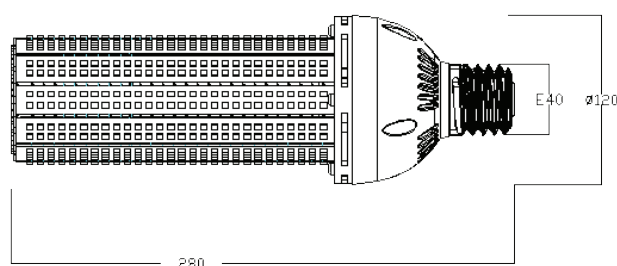| Product Code	Voltage (V)	Recommended LED tube	No. Tubes Required	Dimentions	Pre wired for LED tubes
BB118	240V AC	T8-600-9W	1	61.6 x 5.5 x 8.6	Yes
BB136	240V AC	T8-1200-18W	1	125 x 5.5 x 8.6	Yes
BB218	240V AC	T8-600-9W	2	61.6 x 9.6 x 9.1	Yes
BB236	240V AC	T8-1200-18W	2	125 x 9.6 x 9.1	Yes
DB118	240V AC	T8-600-9W	1	61.6 x 5.5 x 8.6	Yes
DB136	240V AC	T8-1200-18W	1	125 x 5.5 x 8.6	Yes
DB218	240V AC	T8-600-9W	2	61.6 x 9.6 x 9.1	Yes
DB236	240V AC	T8-1200-18W	2	125 x 9.6 x 9.1	Yes

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WATERPROOF LED BATTEN FITTINGS

This range of waterproof LED batten fittings are ideal for use outdoors in high impact or vandal resistant polycarbonate fitting areas and are specifically designed to take LED tubes. There is no need to do any wiring modifications to fluro battens, simply install the LED batten fitting then fit the led tubes to the batten fitting, so maintanence is simple. Comes complete with fitting and tubes complete.
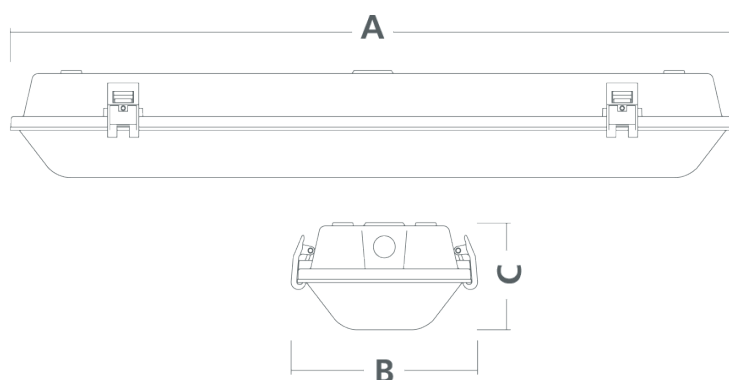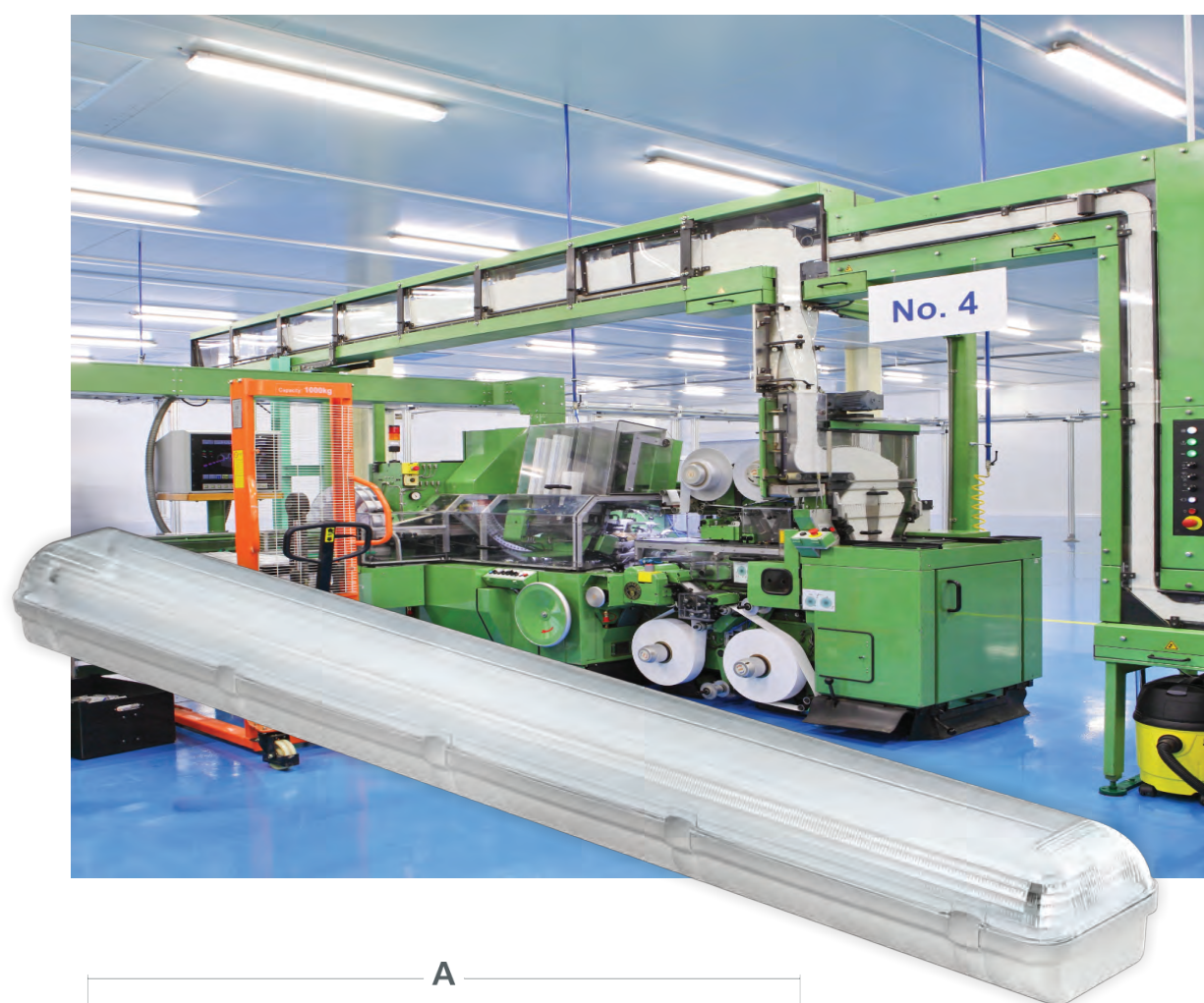
Product Code	Voltage (V)	Light Source	No. Tubes Required	IP Rating	Dimentions	Pre wired with LED tubes
WP118	240V AC	1 x 9W Tube	1	IP65	66 x 10.5 x 11	Yes
WP136	240V AC	1 x18W Tube	1	IP65	127.5 x 10.5 x 11	Yes
WP218	240V AC	2 x 9W Tube	2	IP65	66 x 15 x 11	Yes
WP236	240V AC	2 x18W Tube	2	IP65	127.5 x 15 x 11	Yes

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SOLAR LED STREET LIGHTS

Solar powered integrated LED Street light fittings are designed for easy installation. The solar panel, lithium battery, controller and LED light is integrated in the fitting so all that needs to be done is bolt it to a pole and you have an instant solar powered street light. This product comes in a range of various sizes and light outputs and is designed and manufactured to suit the lighting application.

1. Material: Die casting aluminum+ Aluminum Alloy
2. Solar Panel: 18V 60W (Monocrystalline silicon solar cell)
3. Led Lamp Power: Bridgelux Chip 20W
4. Battery: Lithium LiFePO4 battery 12.8V 18Ah
5. Lamp angle adjustment , 30°~150°
6. Install height: 5-6M
7. Lumen: 2400 LM
8. Charge time: 6 hours
9. Discharge time: Full power : 10 hours
10. Saving model : 3-5 rainy days
11. Frame color : blue, grey or customized
12. LED light source type : SMD
13. Size : 108 x 37 x12.5cm
14. Weight : 11.15KG

*** PIR SENSOR OPTION ALSO AVAILABLE SAVING POWER WHEN NO ONE IS AROUND ***

1. Material: Die casting aluminum+ Aluminum Alloy
2. Solar Panel: 18V 60W (Monocrystalline silicon solar cell)
3. Led Lamp Power: Bridgelux Chip 30W
4. Battery: Lithium LiFePO4 battery 12.8V 21Ah
5. Lamp angle adjustment , 30°~150°
6. Install height: 6-7M
7. Lumen: 3600 LM
8. Charge time: 6 hours
9. Discharge time: Full power : 10 hours
10. Saving model : 3-5 rainy days
11. Frame color : blue, grey or customized
12. LED light source type : SMD
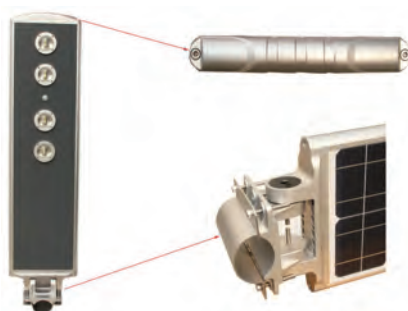13. Size : 126 x 37 x 12.5 cm
14. Weight : 12.73KG

*** PIR SENSOR OPTION ALSO AVAILABLE SAVING POWER WHEN NO ONE IS AROUND***

One third power lighting

Full power lighting
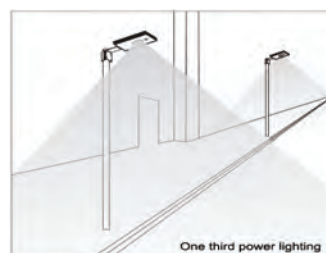
SOLAR LED STREET LIGHTS

Latest technology in solar powered LED Street lighting eliminates the need for a battery to store the power, instead it uses the latest technology in super capacitor design to power the LED street light. This has many advantages over conventional solar power lighting such as a 50 year super capacitor life span, maintenence free, chemical free and in addition super capacitors are stable and reliable. The solar LED street light, comes in a range of various sizes, configurations and light outputs and is designed and manufactured to suit the lighting application.

Features:
- Material: Steel frame +Aluminum Alloy
- Solar Panel: 80W (Monocrystalline silicon solar cell)
- LED Lamp Power: Phillips 8W - 100W
- Battery: Super Capacitor 1,800,000F 30,000 cycles super stable power system
- The lamp angle adjustment , 30°~150°
- Install height: 4 - 8M
- Lumen: 800 - 10,000 Lm
- Charge time: fast charge, 365 day charging system
- Discharge time: Full power : Adjustable up to 15 hours
- Saving model : continues to charge even on rainy days
- Frame color : hot dip galvanised pole and frame
- LED light source type : SMD

High Efficiency Solar Panel
- Design life span more than 25 Years
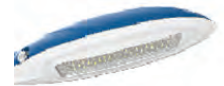- Class A solar panel cell
- Safe stable and reliable

Super Capacitor Energy Storage
- Life span >50 Years
- No maintenance required
- Environmentally friendly
- Chemical free
- Safe to store and transport

LED Outdoor light source
- Life span >50,000 hours
- Type 2 photometric parameter
- Waterproof and good heat dissipation
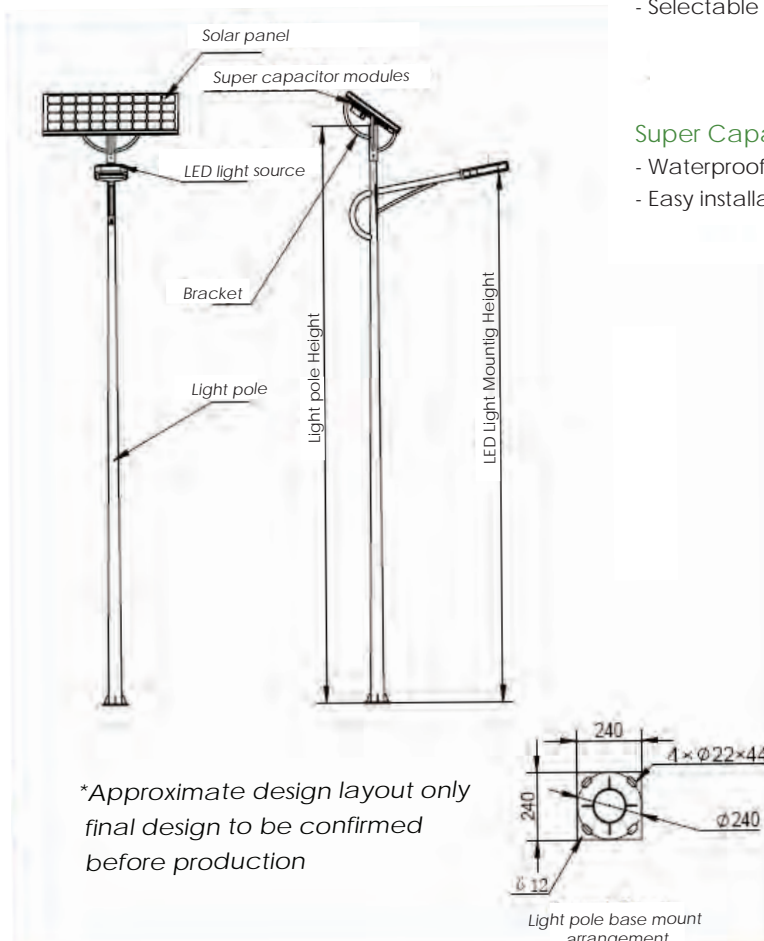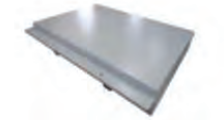- Lens Refraction effiiciency >95%

Intelligent Controller
- Life span 12 years
- Long distance monitoring
- Selectable switching control

Super Capacitor Box
- Waterproof
- Easy installation

Solar panel

Super capacitor modules

LED light source

Bracket

Light pole Height

LED Light Mountig Height

Light pole

*Approximate design layout only final design to be confirmed before production

240

4 × Ø22×44

240

Ø240

Ø 12

Light pole base mount arrangement

Advantages of Super Capacitors:
- High Working Temperature -40℃~60℃, this range can keep the street lamp working normally in extreme temperature environments and continues to operate normally on rainy days
- The resistance of super capacitor has low discharge range width down to 0 volts which allows it to work normally during any weather conditions
- Super long life span maintain normal temperature 30,000 charge & discharge cycles for 365 days of lighting can be achieved with the intelligent control system.
- Super capacitor is an energy storage device not a chemical reaction as are batteries therefore making them a highly stable device.

LED DRIVERS

Our range of LED drivers are designed to suit our product range of downlights and other LED products.
All our drivers are Australian approved and come complete with flex and plug and have a 3 year warranty.

Product Code	Input Voltage	Input Current	Wattage (W)	Output Voltage	Output current	Output wattage
DRD10/350	240V ~50/60Hz	0.07A	12.5W	30VDC	0.35A	10.5W
DRD13/350	240V ~50/60Hz	0.085A	16W	38VDC	0.35A	13.5W
DRD13/500	240V ~50/60Hz	0.083A	15.5W	26VDC	0.5A	13.5W
DRD15/350	240V ~50/60Hz	0.097A	18W	42VDC	0.35A	15W
DRD15/500	240V ~50/60Hz	0.097A	18W	30VDC	0.5A	15W
DRD16/700	240V ~50/60Hz	0.1A	19W	22VDC	0.7A	16W
DRD16/1000	240V ~50/60Hz	0.1A	19W	16VDC	1.0A	16W
DRD17/350	240V ~50/60Hz	0.11A	20W	48VDC	0.35A	17W
DRD17/500	240V ~50/60Hz	0.11A	20W	34VDC	0.5A	17W
DRD18/700	240V ~50/60Hz	0.12A	22W	22VDC	0.5A	18.5W
DRD18/1000	240V ~50/60Hz	0.12A	21.5W	18VDC	1.0A	18W
DRD19/500	240V ~50/60Hz	0.12A	22.5W	38VDC	0.5A	19W
DRD20/700	240V ~50/60Hz	0.13A	23.5W	28VDC	0.7A	20W
DRD20/1000	240V ~50/60Hz	0.13A	23.5W	20VDC	1.0A	20W
DRD24/500	240V ~50/60Hz	0.15A	28.5W	48VDC	0.5A	24W
DRD24/700	240V ~50/60Hz	0.15A	28.5W	34VDC	0.7A	24W
DRD24/1000	240V ~50/60Hz	0.15A	28.5W	24VDC	1.0A	24W
DRD24/1200	240V ~50/60Hz	0.15A	28.5W	20VDC	1.2A	24W
DRD35/700	240V ~50/60Hz	0.22A	41.5W	50VDC	0.7A	35W
DRD35/1000	240V ~50/60Hz	0.22A	41.5W	35VDC	1.0A	35W
DRD40/1200	240V ~50/60Hz	0.25A	47W	40VDC	1.2A	40W

Features:

- Leading edge or trailing

  edge dimmable

- Short circuit protection

- Overload protection

- 3 Year Warranty

- Supplied with Australian flex and plug

- Australian C tick and Safety

  compliance

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POWER SUPPLIES

We carry a full range of power supplies for any product that requires a step down transformer to operate from 12v to 24v in a range of power ratings. The power supplies are also available in higher voltage ranges, waterproof and non waterproof . All power supplies are transformerless switchmode power supplies which means greater efficiency. All our power supplies are Australian approved.

Product Code	Input Voltage	Output Voltage	Output Current	Wattage (W)	IP Rating	Power Factor	Ambient Temp Range
P1224	240V AC	12V	2A	24W	IP20	> 0.90	-10°C~+60°C
P1260	240V AC	12V	5A	60W	IP20	> 0.90	-10°C~+60°C
P12120	240V AC	12V	8.5A	102W	IP20/IP65	> 0.90	-10°C~+60°C
P12220	240V AC	12V	18.3A	220W	IP20/IP65	> 0.90	-10°C~+60°C
P2424	240V AC	24V	1A	24W	IP20	> 0.90	-10°C~+60°C
P2460	240V AC	24V	2.5A	60W	IP20/IP65	> 0.90	-10°C~+60°C
P24120	240V AC	24V	5A	120W	IP20/IP65	> 0.90	-10°C~+60°C
P24220	240V AC	24V	9.2A	220W	IP20/IP65	> 0.90	-10°C~+60°C

Note : Other power supply voltages, IP65 and IP67, power ratings and dimmable power supplies also available on request

Features:

• Enclosed case, water resistant.

• Overload protection, constant current Limiting, reset: auto recovery.

• Short-circuit proof, 100% full load burn-in test.

• Built-in EMI filter, low ripple noise.

• Flex and plug to suit Australian conditions.

• Simple primary hook-ups, class 2 outputs.

• No minimum load, no load balancing and no dip switches.

• Proven reliability, robust housing.

• Limited warranty of up to 3 years.

• Waterproof power supplies also available

• High output power supplies also available

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LED ACCESSORIES

We carry a wide range of accessories to suit LED products, from strip connectors to adaptor plates. We can also offer a range of customised options to suit your specific application.
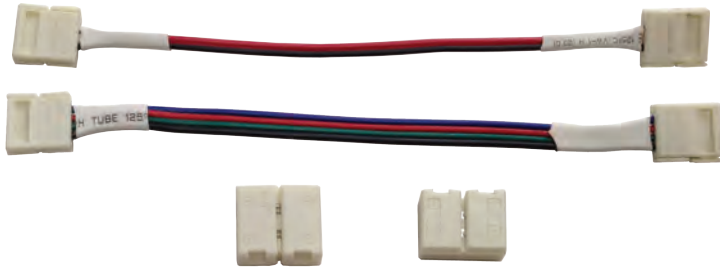
Flexible LED Strip Inline Joiners

Power supply connectors

Low voltage weatherproof and non weatherproof connecting cables
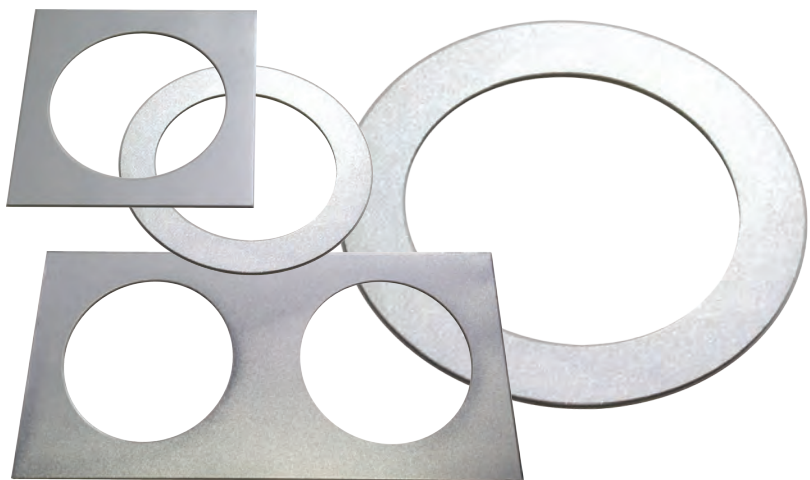
E27 to E40 adaptors

GU10 Flex and plugs

Cable glands

Stainless steel wire suspension kits

240V power cables

We carry a wide range of adaptor plates to suit our lighting range. Plates are available in silver finish, white finish and custom colours available. Custom made adaptor plates are also available.

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2021 Product Guide
Since 2007

Innovative Energy Efficient LED Lighting Solutions

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