

# LEDECOLIGHTING

CREATING A SMARTER & BRIGHTER FUTURE

# 2017 LED Lighting Product Guide

# Innovative Energy Efficient LED Lighting Solutions

[www.ledecolighting.com.au](http://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 8 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 from domestic to commercial and industrial.

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**LEDECOLIGHTING**  
CREATING A SMARTER & BRIGHTER FUTURE

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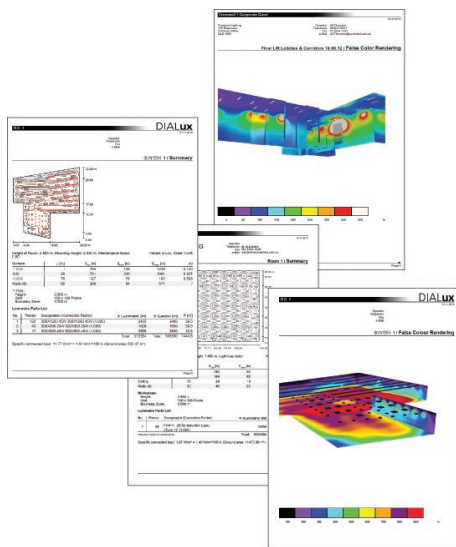
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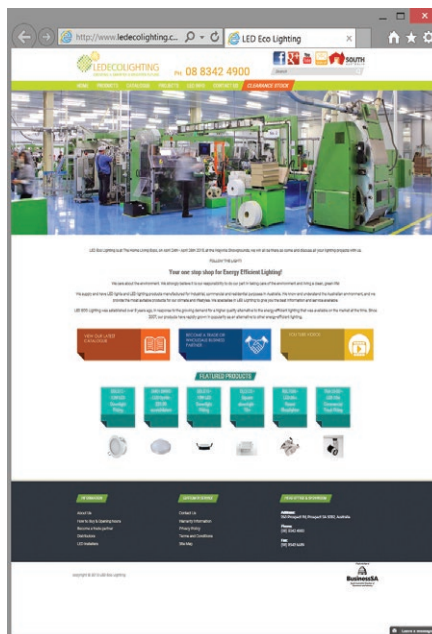
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# OUR LIGHTING DESIGN SERVICE



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 :

[www.ledecolighting.com.au](http://www.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 3 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 floodlighting, 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.



Maintaining, 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.



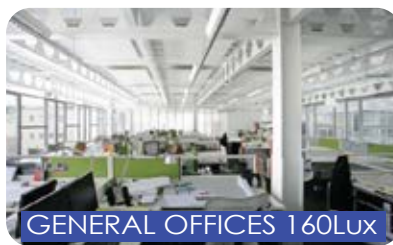
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## TYPICAL ILLUMINATION LEVELS



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, whereas Lux takes into account the area also.

### Light measurement devices

Lumens (luminous intensity) is measured within a spherical device 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.

### 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.



Lumen Measurement Device



LUX Meter

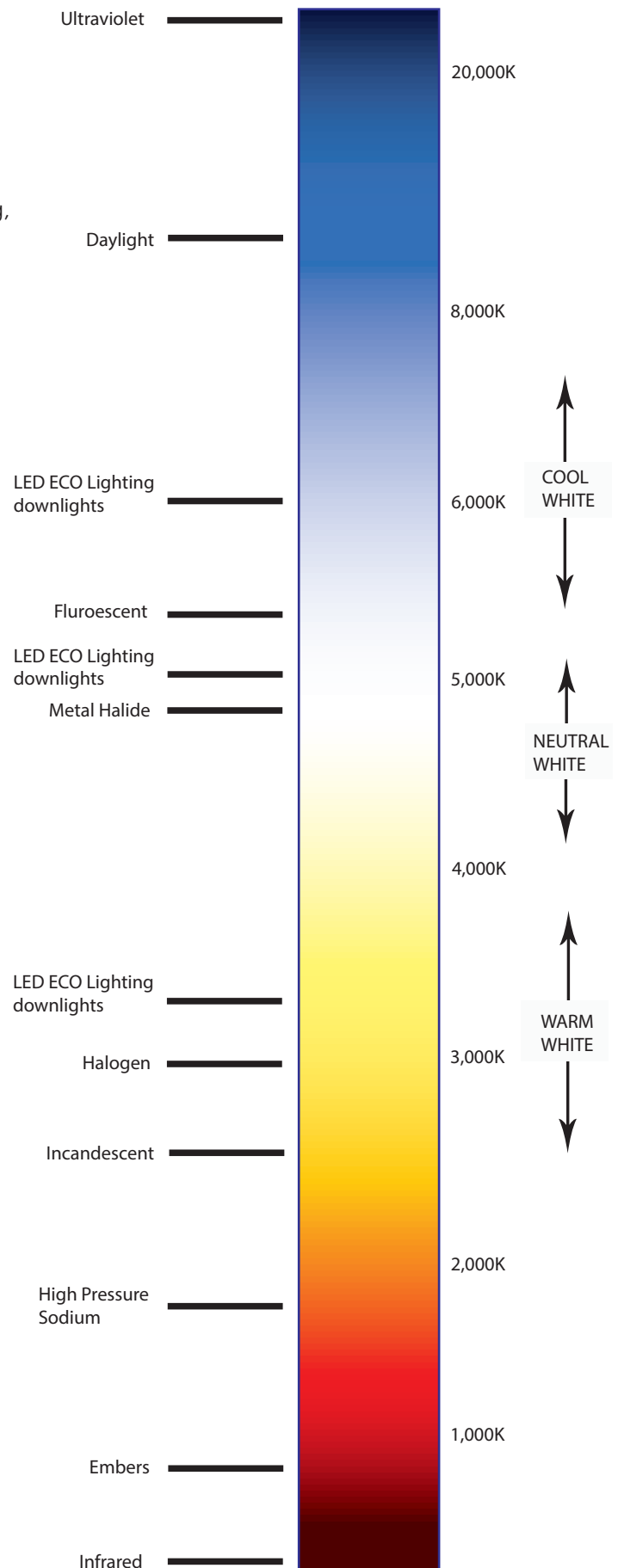
# Colour Temperature Explained

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 black 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 .



Colour Temperature Chart



# Replacement Guide from Conventional Lighting to LED Lighting Products



60W Incandescent lamp



GLX126 - 6W LED lamp



100W Incandescent lamp



GLX110 - 10W LED lamp



50W Halogen lamp



DDL12700 - 10W LED lamp



36W Fluorescent tube



T8-1200 - 18W LED Tube lamp



15W Fluorescent lamp



GLX126 - 6W lamp



18W PL Fluorescent lamp



PL6G24 - 6W LED lamp



120W PAR flood lamp



FLX20 - 20W LED lamp



100W Reflector lamp



PAR30 - 14W LED spot lamp



500W Halogen lamp



FLX30 - 30W LED lamp



70W-150w Metal halide shop lighter lamp



SLB15038 - 38W LED Ishopligher



400W Metal Halide lamp



HBL95NAL - 95W LED Highbay



400W Metal Halide lamp



FLX95 - 95W LED flood light

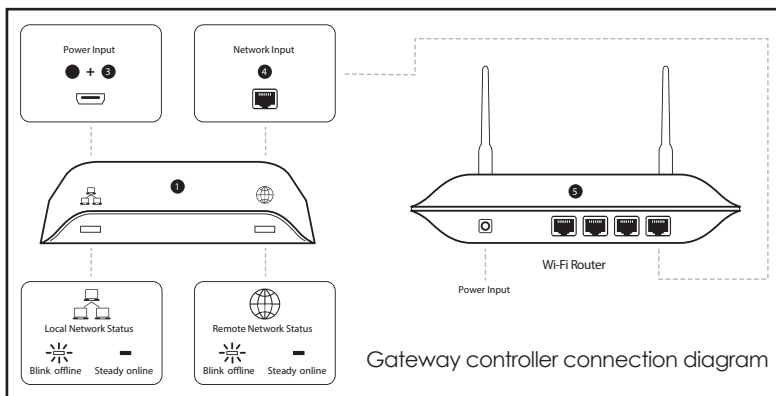
# G-SMART LIGHTING CONTROL

## Feature Highlights

- Control the colour temperature of the LED lighting with ease, choose from:
  - 1) Warm White 3000K – Perfect for promoting relaxation whilst creating a friendly or intimate setting.
  - 2) Neutral White 4000K – For a natural ambience to compliment décor and enhance interior features.
  - 3) Cool White 6000K – Be alert and increase productivity. Ideal for a clean, fresh energising feeling.
- Adjustable LED light intensity with a standard dimming range from 100% to 5% including night light mode which is 2% of the maximum brightness.
- Use in the home to dim the light intensity and change the colour temperature, creating beautiful moods and ambience to suit your personal taste.
- Use in any commercial application including hotels, restaurants and offices to stimulate the senses and add style to the architectural surroundings.
- G-Smart App has the ability to control your lighting system locally or from anywhere in the world via the gateway controller.
- Define and name rooms, create user specific spaces and scenes.
- Control lights individually, in groups or select from pre-set scenes such as Read, Party, Movie, Eat and Return Home Mode.
- Easy to use, and simple to setup.



Gateway controller



G-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 G-Smart lighting system can be controlled by the hand held remote, and can be up and running within a few minutes.



G-Smart life App free download control your lighting from anywhere



### Button Functions

- |       |   |
|-------|---|
|       | Master ON ALL lights will switch on.              |
|       | Master OFF ALL lights will switch off.            |
| <hr/> |   |
|       | Increases the light intensity.                    |
|       | Decreases the light intensity.                    |
|       | Adjusts the light to a warmer colour temperature. |
|       | Adjusts the light to a cooler colour temperature. |
| <hr/> |   |
|       | Individual control of channels 1, 2, 3 & 4        |
|       |   |
|       |   |
|       |   |



Optional hand held remote control unit



# G-SMART LIGHTING CONTROL

Available Products for G-Smart Control System



DDL B12700



DDL S12



DDL E10



SLR SERIES



DL200 SERIES



DLQ SERIES



SMO SERIES



SLB15038



GATEWAY CONTROLLER



IR SMART REMOTE



PANEL LIGHT SERIES



HAND HELD  
REMOTE



G-SMART POWER  
SOCKET



IP CAMERA



RGBW CONTROLLER



# G-SMART CONTROL DIAGRAM



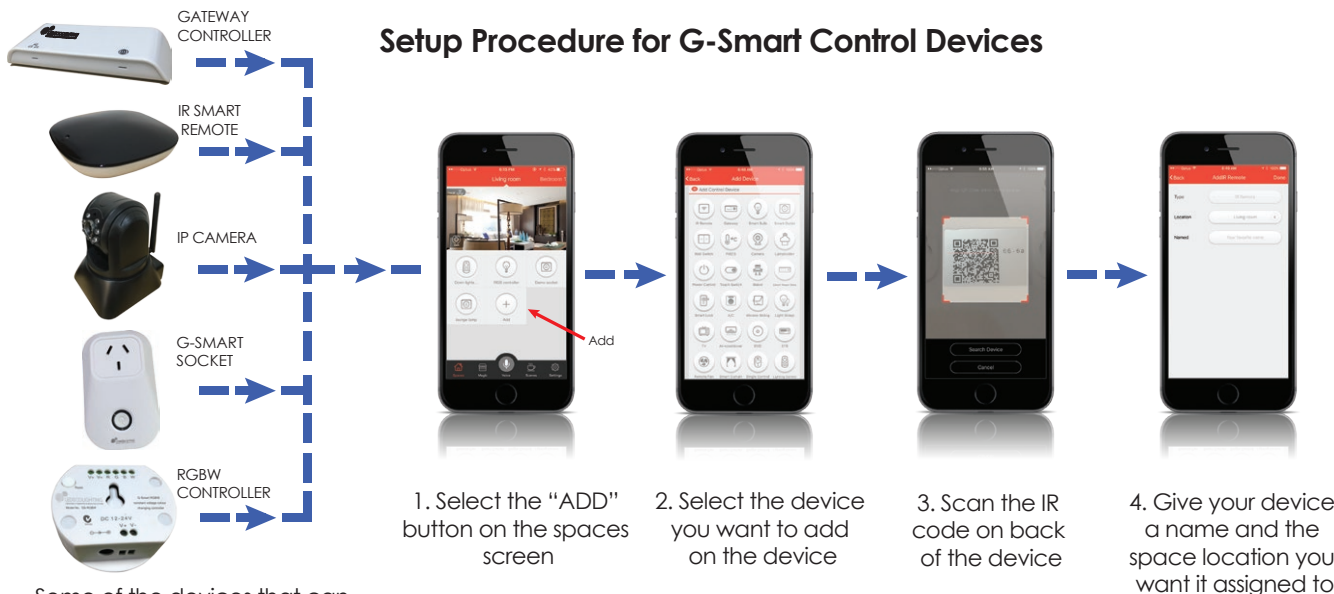


# G-SMART SETUP PROCEDURE

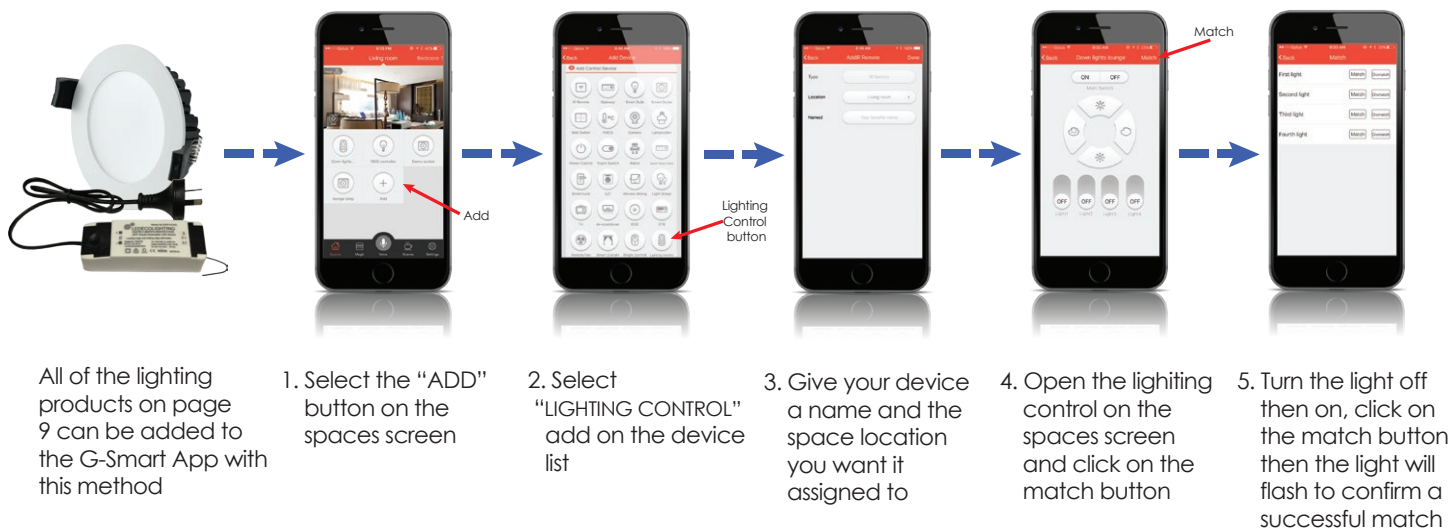
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G-SMART SERIES

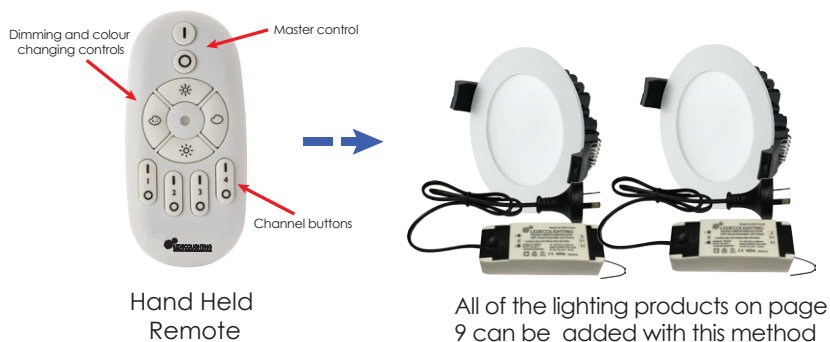
The setup procedure for G-Smart products is very simple to setup any device on the G-Smart App. It can be done in a matter of minutes, the simple setup guide below goes through the basic steps to setup various devices on the G-Smart App.



## Setup Procedure for G-Smart Lighting Products



## Setup Procedure for Hand held Remote for Lighting Products



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

\*\*\*NOTE Hand held remote control works independently and the G-Smart App is not required to dim or change colour temperature if using this hand held remote

# G-SMART GATEWAY

G-Smart Gateway is used to link your G-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 G-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

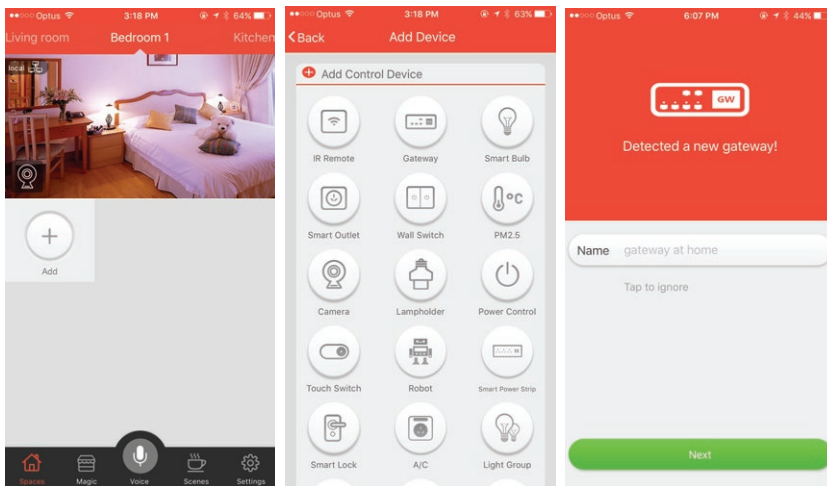
Product Code

WG-100

Input Voltage

5VDC

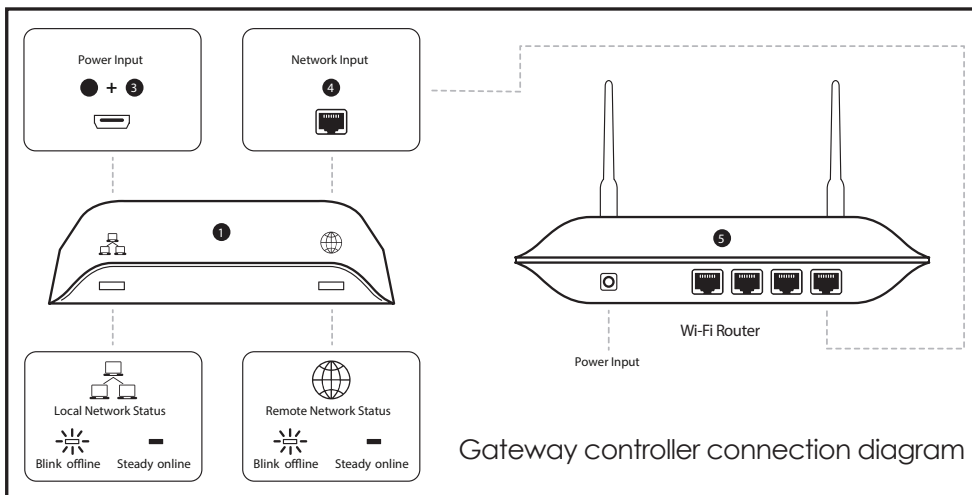
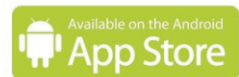
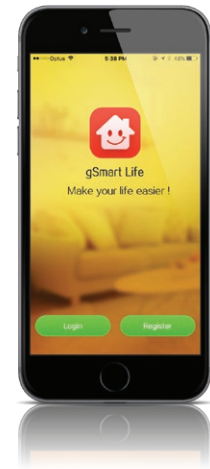
\* Power adapter and connecting cables supplied with gateway



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

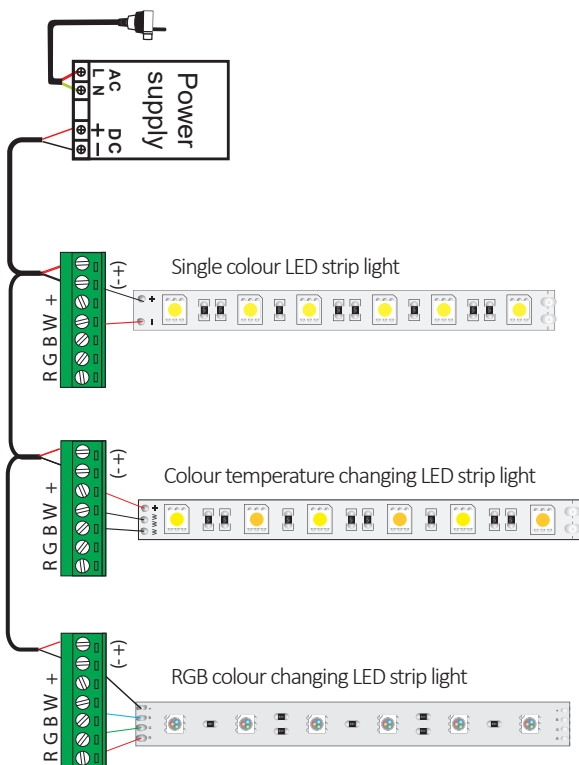


G-Smart life App free download control your lighting from anywhere



# G-SMART RGBW CONTROLLER

The G-Smart RGBW colour changing controller is the ideal device for controlling LED low voltage strip light. It can control colour changing strip light or single colour strip light or both at the same time, all through the G-Smart App. To setup simply scan the IR code on the back of the RGBW controller and it is connected to the G-Smart App.



Product Code	Input Voltage	Power rating
GS-RGBW	12-24VDC	4CH@5A/CH Max



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



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G-Smart RGBW dimming function screen



G-Smart RGBW color changing screen

# G-SMART IR CONTROL

The G-Smart Infrared Smart 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 G-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 G-Smart IR Smart controller.

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



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



G-Smart Air Conditioning controller screen



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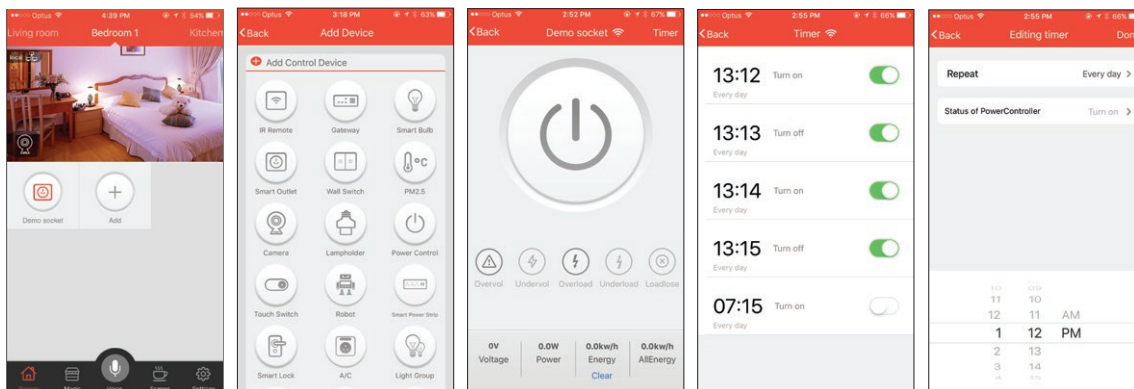
# G-SMART SOCKET

G-Smart socket is a 240VAC device that can be plugged into a standard power outlet and can control any electrical device via the G-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 G-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 G-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
GS-15	240V AC	10A	2400W	IP20	> 0.90	-40°C~+85°C



G-Smart life App free download control your lighting from anywhere



Simply plug in and learn into the G-Smart App and it will be up and running within a few minutes.



# G-SMART HAND HELD REMOTE

The simple hand held remote control connects directly to the G-Smart lighting products via a simple learn in process and eliminates the need for a gateway and G-Smart App. It can be used in conjunction with the gateway and G-Smart 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 creating beautiful moods and ambiance to suit your personal taste.

Product Code	Input Voltage	Power type
CT-3	3VDC	2xAAA batteries



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



Control your G-Smart lighting products directly with the hand held remote

# G-SMART IP CAMERA

The G-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 G-Smart App. The camera can pan and tilt 330° x 120° and also has sound capabilities. The G-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°





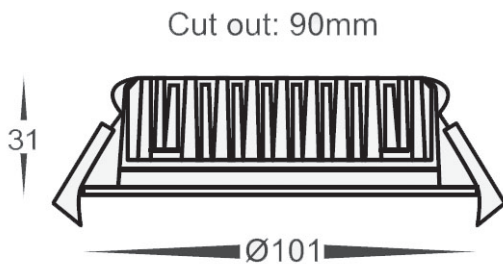




## DDLE DOWNLIGHT SERIES

These 10W general purpose fittings are designed with robust aluminium finish. These fittings are suitable for a range of home or commercial lighting applications where the lighting is required to be dimmable. Suitable for ceilings under 3 metres. DDLE10WCT 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 G-Smart App or the hand held remote.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Dimmable
DDLE10WWW	240V AC	10W	>0.85	1040	120	>80	3200 (WW)	Yes
DDLE10WCW	240V AC	10W	>0.85	1080	120	>80	6000 (CW)	Yes
DDLE10WCT	240V AC	10W	>0.85	1040-1080	120	>80	3000K-6000K	Yes



DDLE10WCT can be controlled with G-Smart App and control your lighting from anywhere



The hand held remote can be used for local wireless control only available for DDLE10WCT

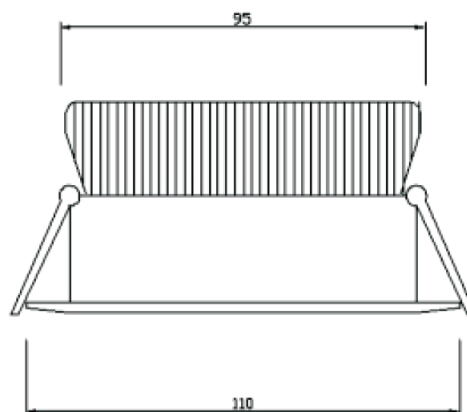


BEAM ANGLE 120 DEG			
Distance (M)	Avg/Max (lux)	Diameter (M)	
1	84	3.39	
1.5	37	5.09	
2	21	6.79	
2.5	14	8.48	
3	9	10.18	

## DDLS12 DOWNLIGHT SERIES

This 12W fitting is suitable for a range of applications where high light levels are required and also where the application requires the lighting to be dimmable. Suitable for high ceilings up to 4 metres in domestic or commercial lighting applications. DDLS12WCT 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 G-Smart App or the hand held remote. The fitting is suitable for a range of home lighting or commercial applications.

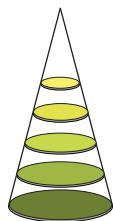
Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
DDLS12WWW	240V AC	12W	>0.85	1180	120	90	3200 (WW)	Yes
DDLS12WCW	240V AC	12W	>0.85	1210	120	90	6000 (CW)	Yes
DDLS12SWCT	240V AC	12W	>0.85	1180 - 1210	120	90	3000/4000/6000	Yes



DDLS12WCT can be controlled with G-Smart App and control your lighting from anywhere



BEAM ANGLE 120 DEG		
Distance (M)	Max (lux)	Diameter (M)
1	69	4.33
2	31	6.5
3	17	8.6
4	11	10.8
5	7.6	13



The hand held remote can be used for local wireless control only available for DDLS12WCT



# DDLB DOWNLIGHT SERIES

This 10W LED halogen look downlight fitting utilises the latest LED chip technology. With its low power consumption, superior heat dissipation properties, high light output and high efficiency lens, coupled with our high quality LED driver makes this downlight a great choice for replacing 50w halogen downlights. The DDLB12700CT 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 G-Smart App or the hand held remote.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Beam Angle	Cutout Size	Chip Type	Colour Temp	Dimmable
DDLB12700CW	240V AC	10W	850	38/60	75-90mm	Bridgelux	6000 (CW)	Yes
DDLB12700WW	240V AC	10W	815	38/60	75-90mm	Bridgelux	3200 (WW)	Yes
DDLB12700CT	240V AC	10W	815 - 850	38/60	75-90mm	Bridgelux	3000/4000/6000	Yes



Matt Silver



Polished Chrome



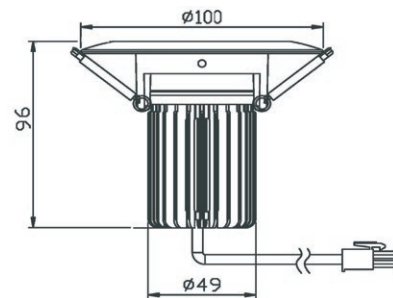
White



DDLB12700CT can be controlled with G-Smart App and control your lighting from anywhere



The hand held remote can be used for local wireless control only available for DDLB12700CT



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	

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	

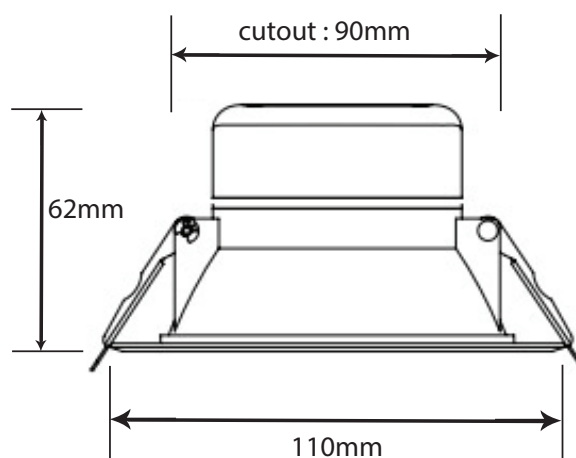


## DDL DP DOWNLIGHT SERIES

This general purpose fittings are designed with a robust polycarbonate fitting 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
DDL P7W	240V AC	6W	>0.85	790	120	>80	3000-6000K	Yes
DDL P10W	240V AC	10W	>0.85	1020	120	>80	3000-6000K	Yes

\* DDL P7W is high lumen low power option



AS/NZS 60598.2.2  
Passed IC-F and IC Luminaires  
for ceilings filled with glass wool  
insulation

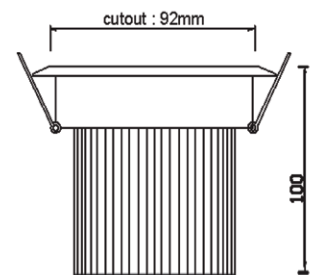
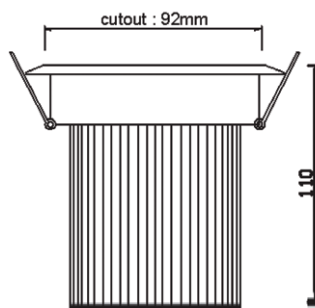
BEAM ANGLE 120 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	84	3.39
1.5	37	5.09
2	21	6.79
2.5	14	8.48
3	9	10.18

# DDLT DOWNLIGHT SERIES

These 12W and 14W downlight fitting give the option of focused beam or diffused light output and tilt adjustable features. This allows you to tailor your lighting solution to suit your specific needs. With the latest LED Chip technology, low power consumption and high heat dissipation properties, ensure's a long life.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Beam Angle	Cutout Size	Chip Type	Colour Temp	Dimmable
DDLT143CW	240V AC	12W	1165	45	90mm	Bridgelux	6000 (CW)	Yes
DDLT143WW	240V AC	12W	1130	45	90mm	Bridgelux	3200 (WW)	Yes
DDLT172CWF	240V AC	14W	1375	120	90mm	Bridgelux	6000 (CW)	Yes
DDLT172WWF	240V AC	14W	1340	120	90mm	Bridgelux	3200 (WW)	Yes

Note : Lights are available in silver or white finish



	BEAM ANGLE 120 DEG		
	Distance (M)	Max (lux)	Diameter (M)
	1	72	3.39
	1.5	32	5.09
	2	18	6.79
	2.5	11	8.48
	3	8	10.18

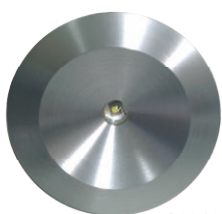
	BEAM ANGLE 45 DEG		
	Distance (M)	Avg/Max (lux)	Diameter (M)
	1	692	0.82
	1.5	307	1.24
	2	173	1.65
	2.5	110	2.07
	3	76	3.48

## MINATURE DOWNLIGHT SERIES

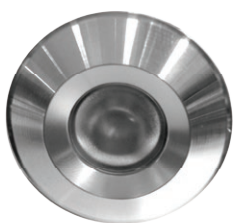
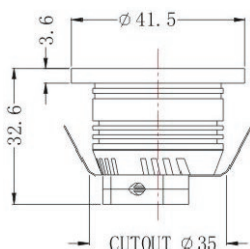
Miniature LED downlight fittings are so small that they can fit into places where it is not possible for conventional light fittings to fit. Their low heat generation make them safe to use in confined spaces. These fittings can be used for under bench lighting, kitchen bench top lighting, stair tread lighting, pathway lighting and many architectural applications. Now with the G-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

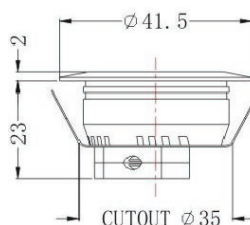
Note : Lights are available in silver finish, Can only be dimmable by using G-Smart system or AL3600RC, AL3200RC



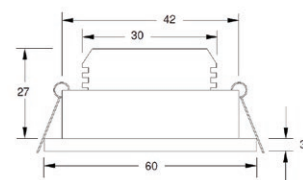
DLM1250



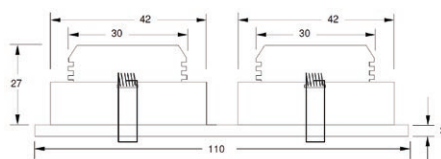
DLM1230



RCQ103



RCQ203



Miniature downlights can be controlled with G-Smart App using the RGBW controller and control your lighting from anywhere





# SLIMLINE DOWNLIGHTS

Slimline LED Recessed light fittings are ideal for general lighting, kitchens, bedrooms, hallways and lounge rooms. They are also ideal in commercial lighting applications where there is limited space in the ceiling to mount standard downlights. The slim design is available in round or square, which makes them a very stylish option. The SLR 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 G-Smart App or the hand held remote. The fitting is suitable for a range of home lighting or commercial applications.

Product Code	Voltage (V)	Wattage (W)	Luminous FLux (Lm)	CRI	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
SLR180	240V AC	10W	930(CW)	> 80	120	160	3000-6000K/CT	Yes
SLR210	240V AC	13W	1210(CW)	> 80	120	180	3000-6000K/CT	Yes
SLR235	240V AC	16W	1440(CW)	> 80	120	220	3000-6000K/CT	Yes
SLR280	240V AC	18W	1620(CW)	> 80	120	280	3000-6000K/CT	Yes
SLRQ180	240V AC	12W	1080(CW)	> 80	120	150x150	3000-6000K	Yes
SLRQ210	240V AC	14W	1290(CW)	> 80	120	180x180	3000-6000K	Yes
SLRQ240	240V AC	18W	1620(CW)	> 80	120	200x200	3000-6000K	Yes

Note : Lights are available in silver or white finish  
SLR CT Series is available G-Smart option



SLR CT Series can be controlled with G-Smart App and control your lighting from anywhere



The hand held remote can be used for local wireless control only available for SLR CT Series



## SQUARE DOWNLIGHTS

Our LED square downlight with a range from 10W - 30W has a high light intensity. This downlight is ideal for domestic or commercial lighting applications where a more architectural style product is needed. 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 G-Smart App or the hand held remote. The fitting is suitable for a range of home lighting or commercial applications.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
DLQ125CW	240V AC	10W	>0.85	930	120	125x125	6000 (CW)	Yes
DLQ125WW	240V AC	10W	>0.85	885	120	125x125	3200 (WW)	Yes
DLQ160CW	240V AC	20W	>0.85	1790	120	160x160	6000 (CW)	Yes
DLQ160WW	240V AC	20W	>0.85	1766	120	160x160	3200 (WW)	Yes
DLQ195CW	240V AC	30W	>0.85	2745	120	195x195	6000 (CW)	Yes
DLQ195WW	240V AC	30W	>0.85	2710	120	195x195	3200 (WW)	Yes

Note : Lights are available in white finish



DLQ series can be controlled with G-Smart App and control your lighting from anywhere



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







## DL1720 DOWNLIGHTS

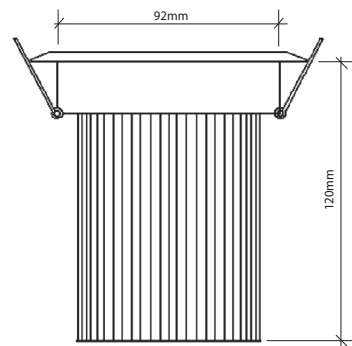
This High power downlight fitting utilises the latest LED Chip technology to give a very high lumen output together with low power consumption. Its compact size allows it to fit in place of a standard downlight with a 92mm cutout. Superior heat dissipation properties and high quality LED driver makes 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	22W	>0.85	2160	130	90	6000 (CW)	Yes
DL1720NW	240V AC	22W	>0.85	2100	130	90	5000 (NW)	Yes
DL1720WW	240V AC	22W	>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	



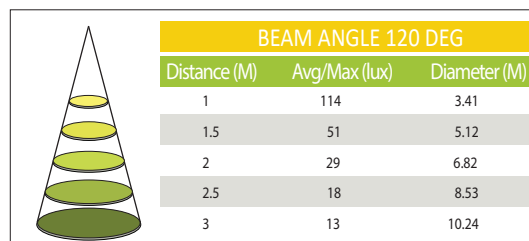
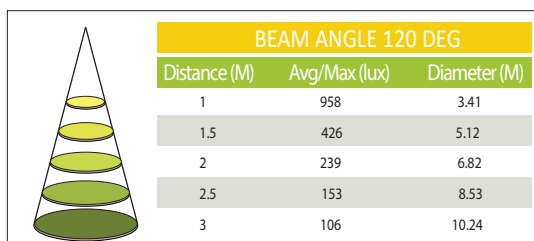
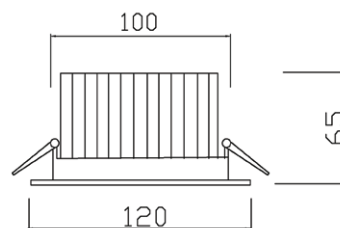
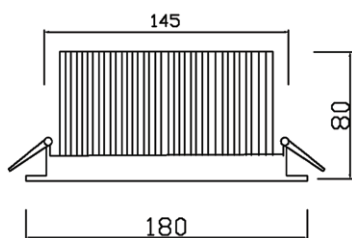


## 20W - 30W DOWNLIGHTS

These High power LED downlights have low power consumption compared with conventional commercial lighting products. With an operating life of 60,000 + hours due to there highly efficient cooling system, this makes them ideal for 24/7 hours of operation if required, Anti glare lens, No Mercury, No UV Light, No hazardous materials, 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
DL18120CW	240V AC	20W	>0.85	2000	120	100	6000 (CW)	yes
DL18120NW	240V AC	20W	>0.85	1980	120	100	5000 (NW)	yes
DL18120WW	240V AC	20W	>0.85	1940	120	100	3200 (WW)	yes
DL19180CW	240V AC	30W	>0.85	3080	120	145	6000 (CW)	yes
DL19180NW	240V AC	30W	>0.85	3035	120	145	5000 (NW)	yes
DL19180WW	240V AC	30W	>0.85	2995	120	145	3200 (WW)	yes

Note : Lights are available in silver or white finish

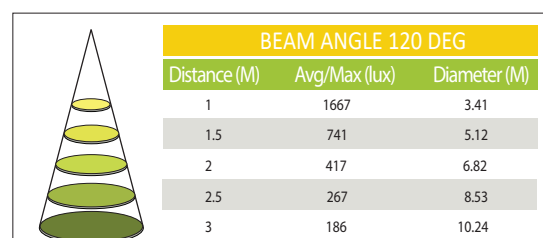
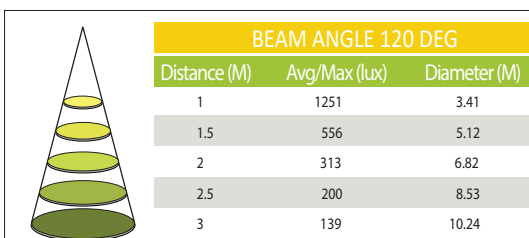
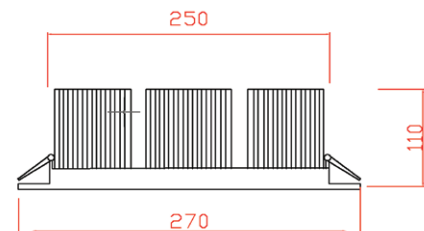
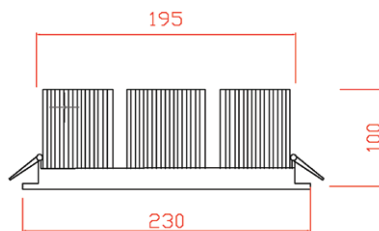


## 45W - 55W DOWNLIGHTS

These High power LED downlights have low power consumption compared with conventional commercial lighting products. With an operating life of 60,000 + hours due to there highly efficient cooling system, this makes them ideal for 24/7 hours of operation if required, Anti glare lens, No Mercury, No UV Light, No hazardous materials, 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
DL20230CW	240V AC	45W	>0.85	4570	120	195	6000 (CW)	No
DL20230NW	240V AC	45W	>0.85	4500	120	195	5000 (NW)	No
DL20230WW	240V AC	45W	>0.85	4490	120	195	3200 (WW)	No
DL21270CW	240V AC	55W	>0.85	5600	120	250	6000 (CW)	No
DL20230NW	240V AC	55W	>0.85	5545	120	250	5000 (NW)	No
DL21270WW	240V AC	55W	>0.85	5505	120	250	3200 (CW)	No

Note : Lights are available in silver or white finish



## 20W - 38W DOWNLIGHTS

These high output LED downlights are ideal for commercial lighting replacements that require a large cutout size combined with low power consumption making this fitting an easy replacement option. Anti glare lens, No Mercury, No UV light, No hazardous materials, excellent light stability and colour render. The DL200CT series 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 G-Smart App or the hand held remote. The fitting is suitable for a range of commercial applications. This fitting is also dimmable to give even further flexibility in the lighting control.

Product Code	Voltage (V)	Wattage (W)	Power Factor	IP Rating	Luminous Flux (Lm)	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
DL20020	240V AC	20W	>0.85	IP44	2010	120	200	3200 - 6000K	Yes
DL20028	240V AC	28W	>0.85	IP44	2860	120	200	3200 - 6000K	Yes
DL20038	240V AC	38W	>0.85	IP44	3860	120	200	3200 - 6000K	Yes
DL20020CT	240V AC	20W	>0.85	IP44	2010	120	200	3000/4000/6000K	Yes
DL20028CT	240V AC	28W	>0.85	IP44	2860	120	200	3000/4000/6000K	Yes
DL20028CT	240V AC	38W	>0.85	IP44	3680	120	200	3000/4000/6000K	Yes

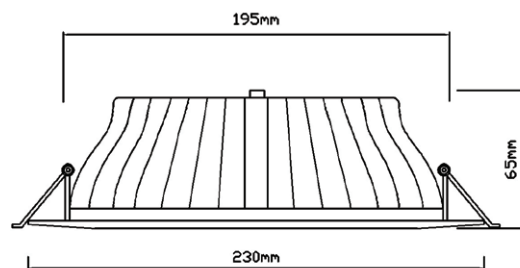
Note : Lights are available in white finish only



DL200CT Series can be controlled with G-Smart App and control your lighting from anywhere



The hand held remote can be used for local wireless control only available for DL200CT Series





# 18W - 22W REFLECTOR DOWNLIGHTS

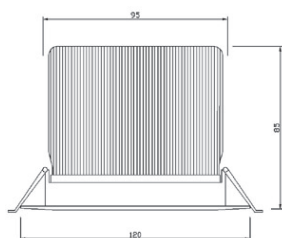
These reflector LED downlights complete with 60 degree lens provides good light intensity where it is needed consuming less power compared with conventional commercial lighting products. At the same time offering high light output, with excellent light stability and colour render.

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

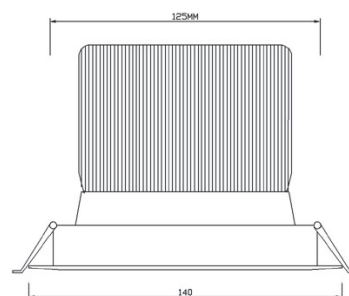
Note : Lights are available in silver or white finish



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

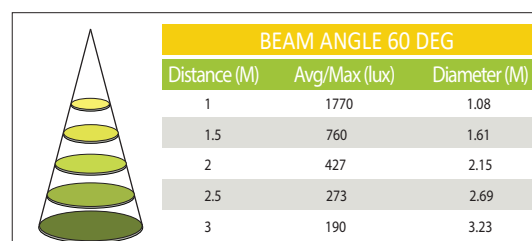
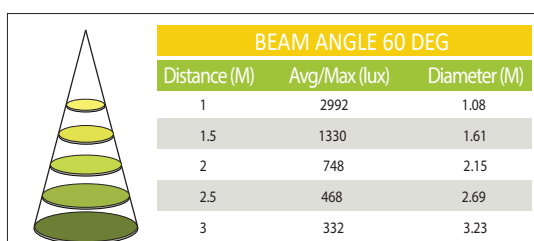
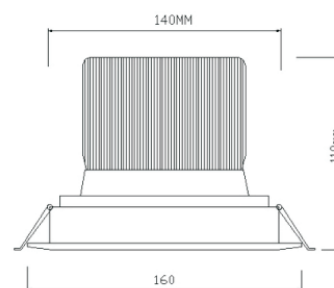
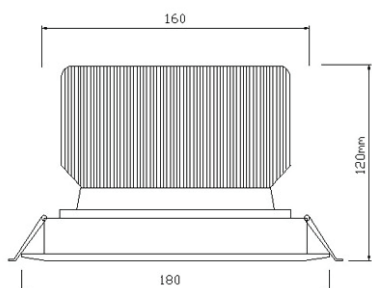


## 30W - 45W REFLECTOR DOWNLIGHTS

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

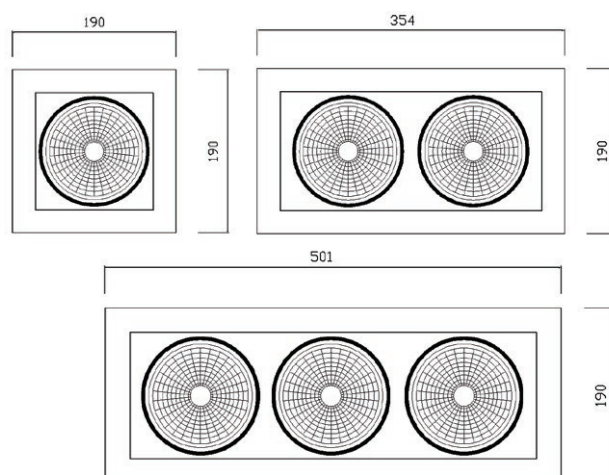
Note : Lights are available in silver or white finish



## 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 where 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	170x485	3000-6000K	Yes



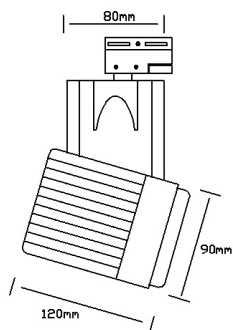


# COMMERCIAL TRACK LIGHTS

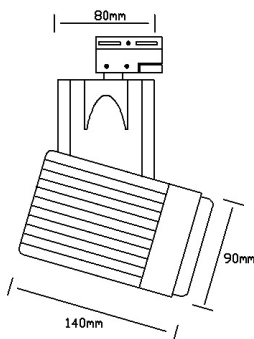
These high power LED track light fitting is designed to replace 70w metal halide track fittings with lower heat generation, low power consumption and high lumen output. The new architecturally designed housing makes this track light fitting an ideal choice.

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

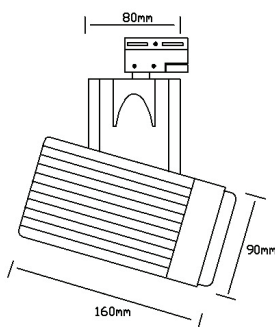
Note : Lights are available in silver , white or black finish, other colour temperatures also available



20W TRACK FITTING



30W TRACK FITTING



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



## RECESSED SHOP LIGHTERS

This LED shop lighter replaces traditional 70w and 150w metal halide shoplights, with lower heat generation, low power and high lumen output. The redesigned housing, has a larger outer rim and stronger spring clamps making installation easier. The SLB15038CT shoplighter 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 G-Smart App or the hand held remote. Ideal for commercial lighting applications.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	Cutout size (mm)	Colour temp	Dimmable
SLB15038CW	240V AC	38W	>0.85	3840	95	135x227	6000 (CW)	Yes
SLB15038NW	240V AC	38W	>0.85	3800	95	135x215	5000 (NW)	Yes
SLB15038WW	240V AC	38W	>0.85	3770	95	135x227	3200 (WW)	Yes
SLB15038CT	240V AC	38W	>0.85	3840 - 3770	95	135x215	3000/4000/6000K	Yes

Note : Lights are available in silver or white finish



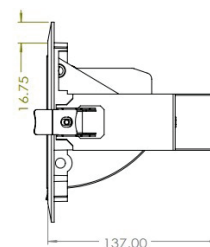
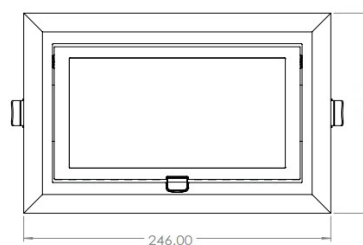
SLB15038CT can be controlled with G-Smart App and control your lighting from anywhere



The hand held remote can be used for local wireless control only available for SLB15038CT



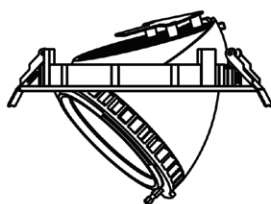
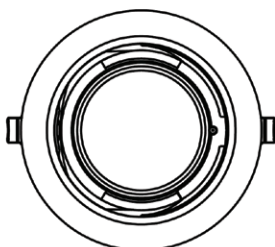
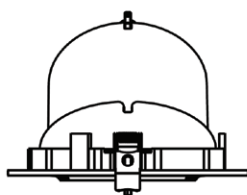
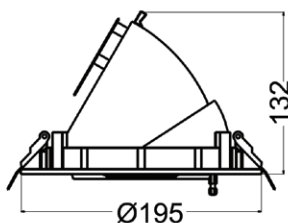
BEAM ANGLE 120 DEG			
Distance (M)	Avg/Max (lux)	Diameter (M)	
1.7	428	3.59	
2.7	169	5.70	
3.7	90	7.81	
4.7	56	9.92	
5.7	38	12.04	



# 38W ROUND SHOP LIGHTERS

This LED shop lighter replaces traditional round 70w and 150w metal halide shoplights, with lower heat generation, low power and 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	
RSL7038NW	240V AC	38W	>0.85	3250	60	>80	5000 K	Yes



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







# GEN-X 75W - 200W LED HIGHBAYS

75W - 200W LED High Bay fittings are ultra high output of 160lm/W 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	15010	3.85	>80	120/71	3000-6000K	No
HBL135NAL	240V AC	135W	21330	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

- \* Highbay rated life 50,000 hours
- \* 160 Lumen per Watt
- \* Meanwell Driver
- \* 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



**NICHIA**  
NICHIA chip inside



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

Our Phase-change heatsink is specifically designed with special material that dissipates 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.

# GEN-X 75W - 200W LED HIGHBAYS

## FEATURES

160 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

**NICHIA**  
NICHIA chip inside

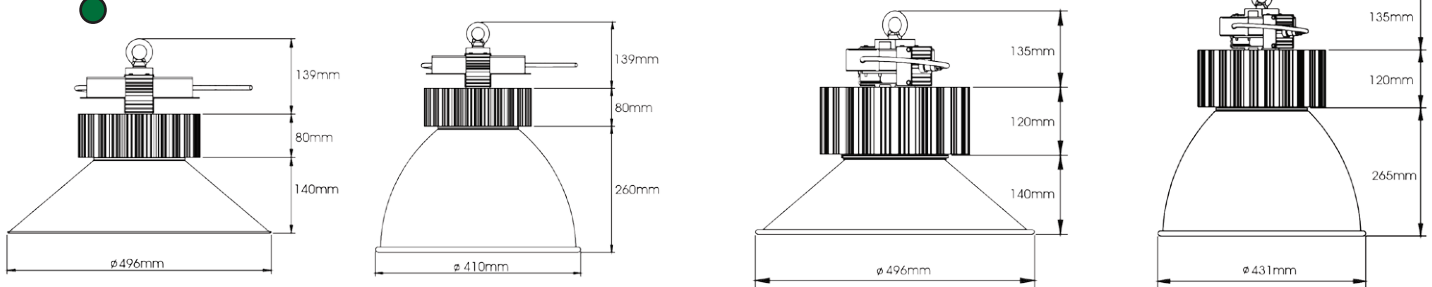
**MW**  
MEANWELL

AL REFLECTOR

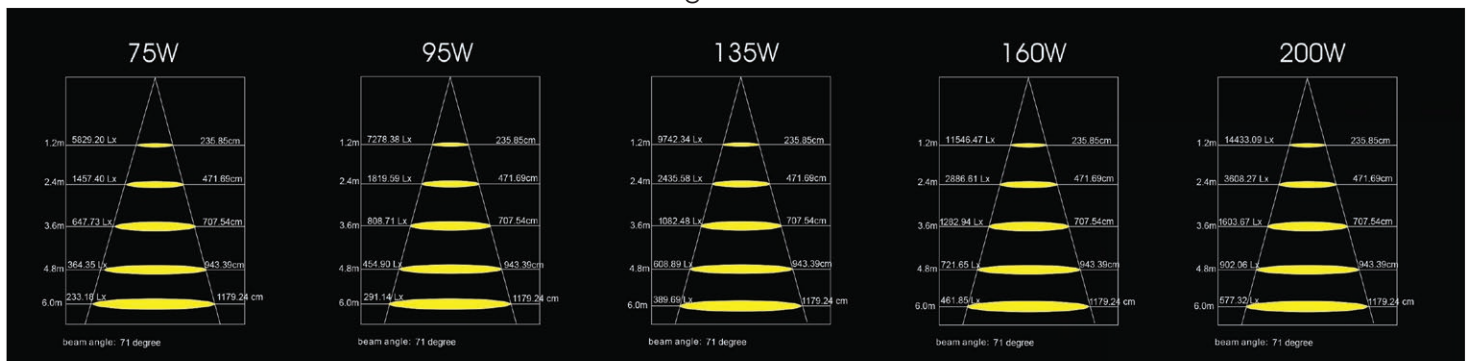
DRIVER

PCB  
PHASE CHANGE  
HEATSINK

PC COVER



71 Degree Reflector



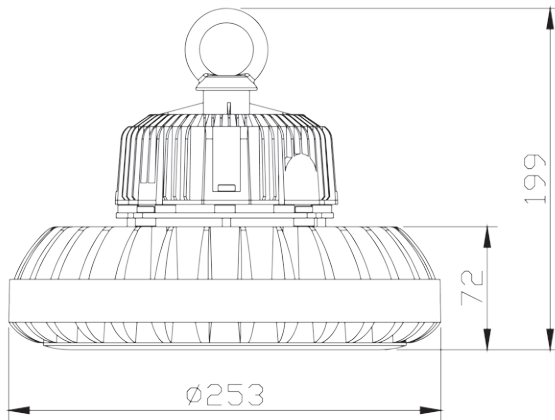
120 Degree Reflector



# GEN-X ULTRA 70W - 100W LED HIGHBAYS

70W- 100W LED ultra High Bay fittings are high output of 220lm/W 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 this ensures the highest of quality.

Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Weight (Kg)	CRI	Beam Angle	Colour Temp	Ambient Temp Range
HBL70	240V AC	70W	1530	2.45	>80	120	3000-6000K	-30°C~+65°C
HBL100	240V AC	100W	21630	2.65	>80	120	3000-6000K	-30°C~+65°C



## FEATURES

**220Lm/W IP65**

Design for high-brightness

70W = 400W MH

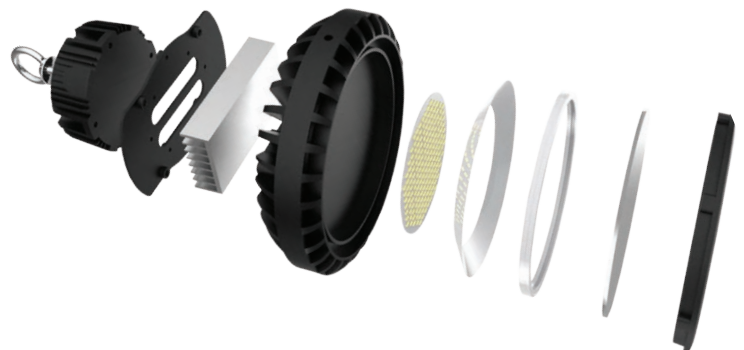
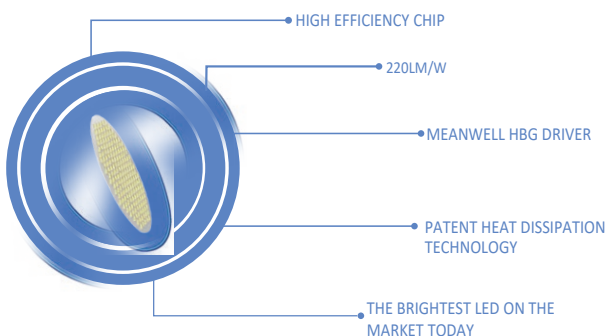
100W = +400W MH

Competative pricing and high quality

Light, smart and professional fixture design

	BEAM ANGLE 120 DEG 70W		
	Distance (M)	Avg/Max (lux)	Diameter (M)
	2	1344	16.66
	4	336	33.32
	6	149	49.98

	BEAM ANGLE 120 DEG 100W		
	Distance (M)	Avg/Max (lux)	Diameter (M)
	2	1921	16.66
	4	480	33.32
	6	213	49.98





# 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 and many other applications.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Dimmable
TRA10CW	240V AC	10W	>0.85	830	38/60	> 80	6000 (CW)	Yes
TRA10WW	240V AC	10W	>0.85	800	38/60	> 80	3200 (WW)	Yes
TRA800CW	240V AC	12W	>0.85	950	38/60	> 80	6000 (CW)	Yes
TRA800WW	240V AC	12W	>0.85	920	38/60	> 80	3200 (WW)	Yes

Note : Lights are available in silver, black or white finish



Track :TRA100, TRA200



Live End :TRALE



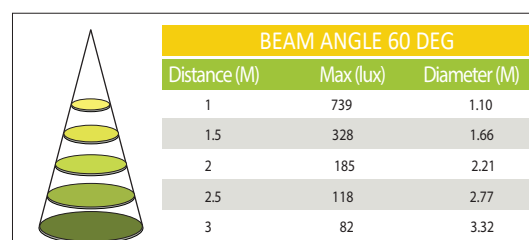
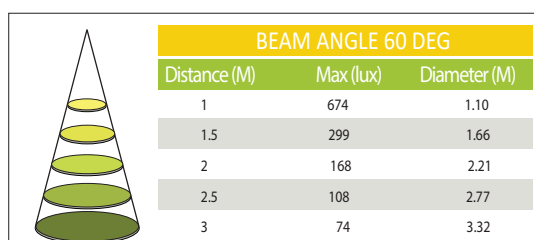
Inline Joiner :TRAIJ



Right Angle Joiner :TRARJ



Tee Joiner :TRATJ



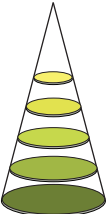
# SURFACE MOUNT LED FITTINGS

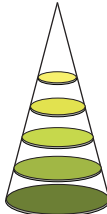
LED surface mount fittings have a wide range of applications in both commercial or domestic installations. With much lower heat generation, low power and high lumen output, makes the ideal choice for replacing traditional halogen fittings. Ideal for lighting display cabinets, highlighting paintings, art galleries, home lighting and shop display lighting and many other application.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp	Dimmable
SM10CW	240V AC	10W	>0.85	830	38/60	> 80	6000 (CW)	Yes
SM10WW	240V AC	10W	>0.85	800	38/60	> 80	3200 (WW)	Yes
SM800CW	240V AC	12W	>0.85	950	38/60	> 80	6000 (CW)	Yes
SM800WW	240V AC	12W	>0.85	920	38/60	> 80	3200 (WW)	Yes

Note : Lights are available in silver, black or white finish



	BEAM ANGLE 60 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

	BEAM ANGLE 60 DEG		
	Distance (M)	Max (lux)	Diameter (M)
	1	674	1.10
	1.5	299	1.66
	2	168	2.21
	2.5	108	2.77
	3	74	3.32

## OYSTER LIGHT FITTINGS

This stylish ceiling mount LED oyster light fitting with aluminium anodised base and acrylic opal diffuser is ideal for a range of lighting applications where a wide light spread is required. The SMO CT series 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 G-Smart App or the hand held remote. The fitting is suitable for a range of home lighting or commercial applications.

Product Code	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Dimensions	CRI	Colour temp	Dimmable
SMO15D	240V AC	15W	>0.85	1300(CW)	290x92mm	> 80	3200/5000K/CT	Yes
SMO20D	240V AC	20W	>0.85	1800(CW)	355x105mm	> 80	3200/5000K/CT	Yes
SMO30D	240V AC	30W	>0.85	2700(CW)	400x115mm	> 80	3200/5000K/CT	Yes
SMO15F	240V AC	15W	>0.85	1300(CW)	290x92mm	> 80	3200/5000K/CT	Yes
SMO20F	240V AC	20W	>0.85	1800(CW)	355x105mm	> 80	3200/5000K/CT	Yes
SMO30F	240V AC	30W	>0.85	2500(CW)	400x115mm	> 80	3200/5000K/CT	Yes

Ambient temperature range -20°C~+50°C



SMO CT series can be controlled with G-Smart App and control your lighting from anywhere



The hand held remote can be used for local wireless control only available for SMO CT series





# 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)	Dimensions	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

# SURFACE MOUNT DOWNLIGHT FITTINGS

LED surface mount downlight fittings are a stylish option where there is limited or no ceiling space. Also 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



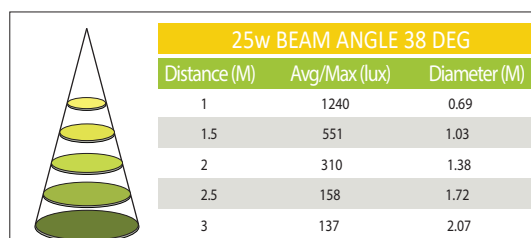
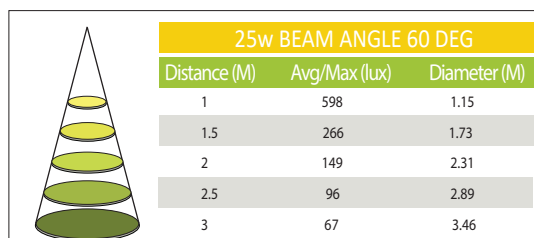
SMT10 & SMT15



SMT25



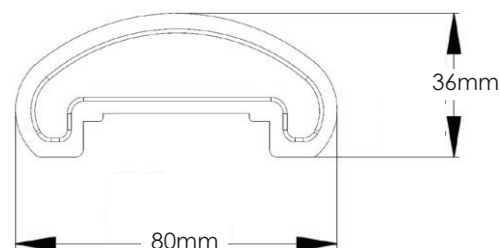
SMT35



# SURFACE MOUNT BATTEN FITTINGS

Surface mount batten fittings are made with an aluminium base and PC cover making the construction strong and durable and can also 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 fluorescent tube fittings and with its IP44 rating 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



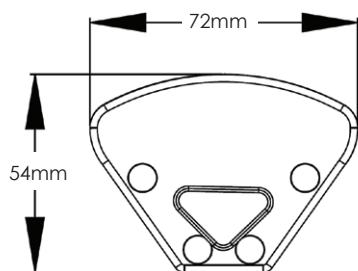


# SURFACE MOUNT LINKABLE LIGHT FITTINGS

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 plug in method end to end and requires 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
LT-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



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	

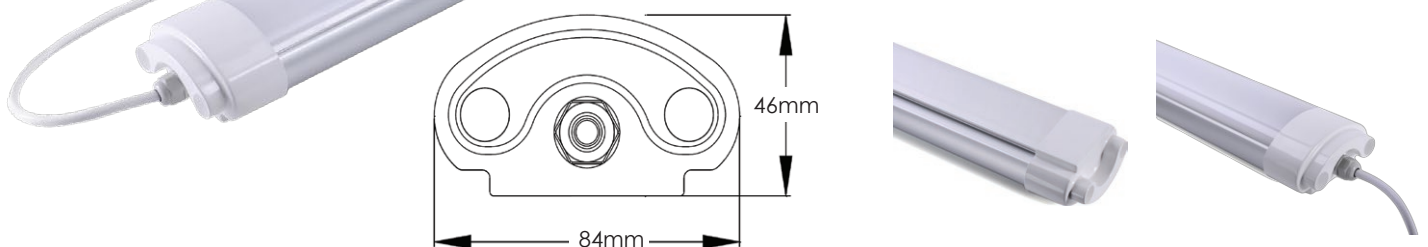
LB-150 BEAM ANGLE 120 DEG			
Distance (M)	Max (lux)	Diameter (M)	
1	2102	2.8	
2	525	5.7	
3	233	8.5	
4	131	11.4	
5	84	14.2	



# WEATHERPROOF BATTEN FITTINGS

Surface mount weatherproof batten fittings are made with an aluminium base and PC cover making the construction strong and durable and can also 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



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	

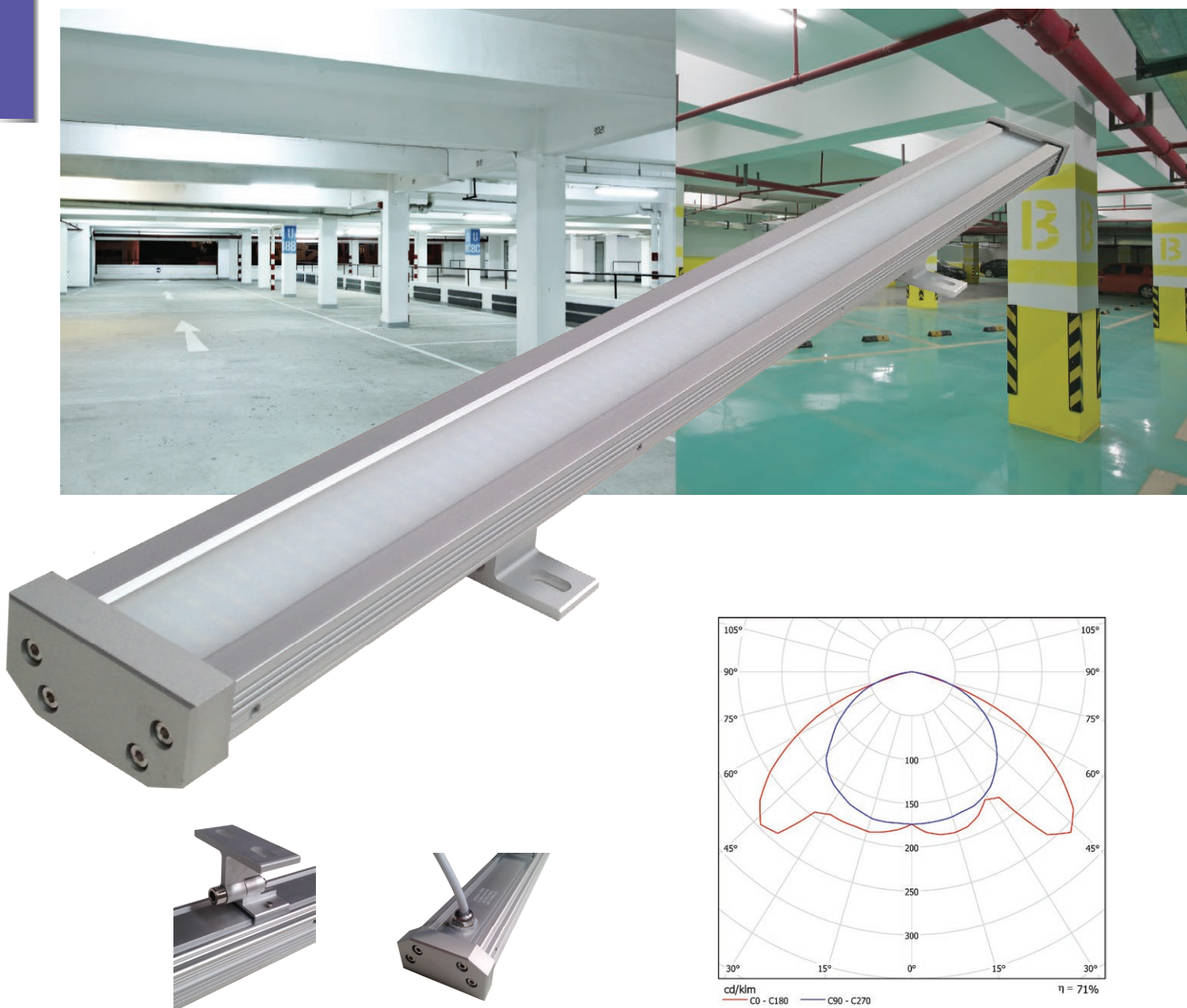
SB-150 BEAM ANGLE 120 DEG			
Distance (M)	Avg/Max (lux)	Diameter (M)	
1	2101	2.7	
2	525	5.3	
3	233	8	
4	131	10.6	
5	84	13.3	

## WEATHERPROOF TITAN BATTEN

The Titan weatherproof LED batten was developed to replace the 2x36W T8 weatherproof fluorescent batten fittings. The robust construction makes it ideal for all outdoor weather conditions and high impact area applications where a high light output is required.

Product Code	Voltage (V)	Wattage (W)	Length	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp range	Dimmable
TWB60CW	240V AC	13W	60cm	1100	120	> 75	6000K	No
TWB60WW	240V AC	13W	60cm	950	120	> 75	3200K	No
TWB100CW	240V AC	25W	100cm	2400	120	> 75	6000K	No
TWB100WW	240V AC	25W	100cm	2150	120	> 75	3200K	No

\* Also available in 24VDC

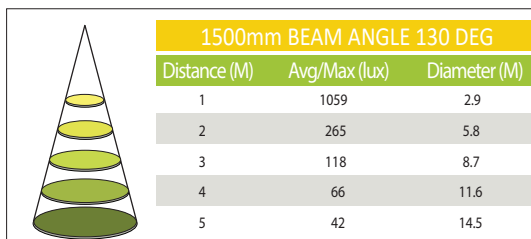
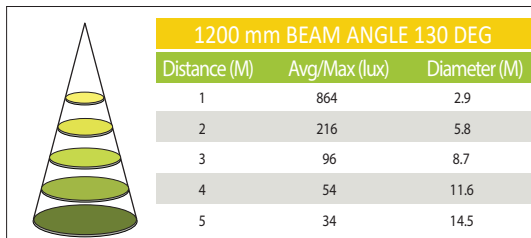
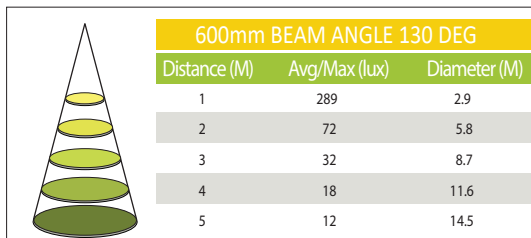




# LED REPLACEMENT TUBES

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

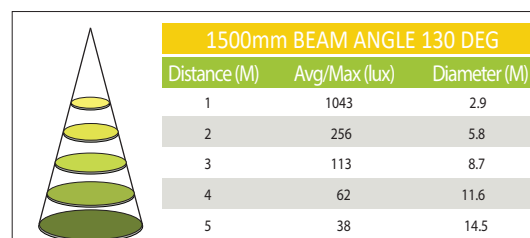
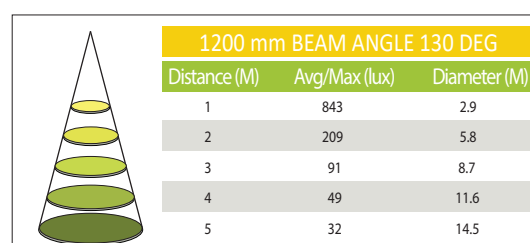
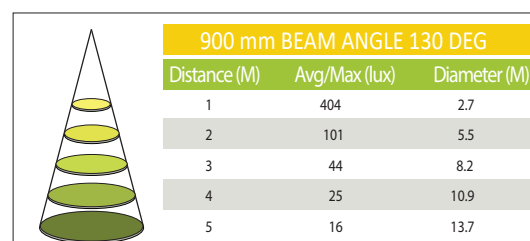
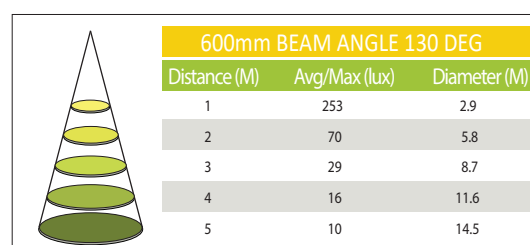


# PLASTIC LED REPLACEMENT TUBES

Economy replacement LED light tubes are all plastic construction designed to produce light output to match conventional T8 fluorescent tubes with half the power consumption. The LED tubes can be retro fitted into existing or new fluorescent fittings, or supplied with prewired fittings to suit LED tubes.

	Voltage (V)	Wattage (W)	Power Factor	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp range	Life Span
ET8-600-10	240V AC	9W	>0.95	1100(CW)	130	> 80	3000-6000K	30,000 +
	240V AC	12W	>0.95	1500(CW)	130	> 80	3000-6000K	30,000 +
	240V AC	14W	>0.95	1600(CW)	130	> 80	3000-6000K	30,000 +
ET8-1200-14	240V AC	16W	>0.95	1700(CW)	130	> 80	3000-6000K	30,000 +
	240V AC	22W	>0.95	2400(CW)	130	> 80	3000-6000K	30,000 +

ET8-1500-22

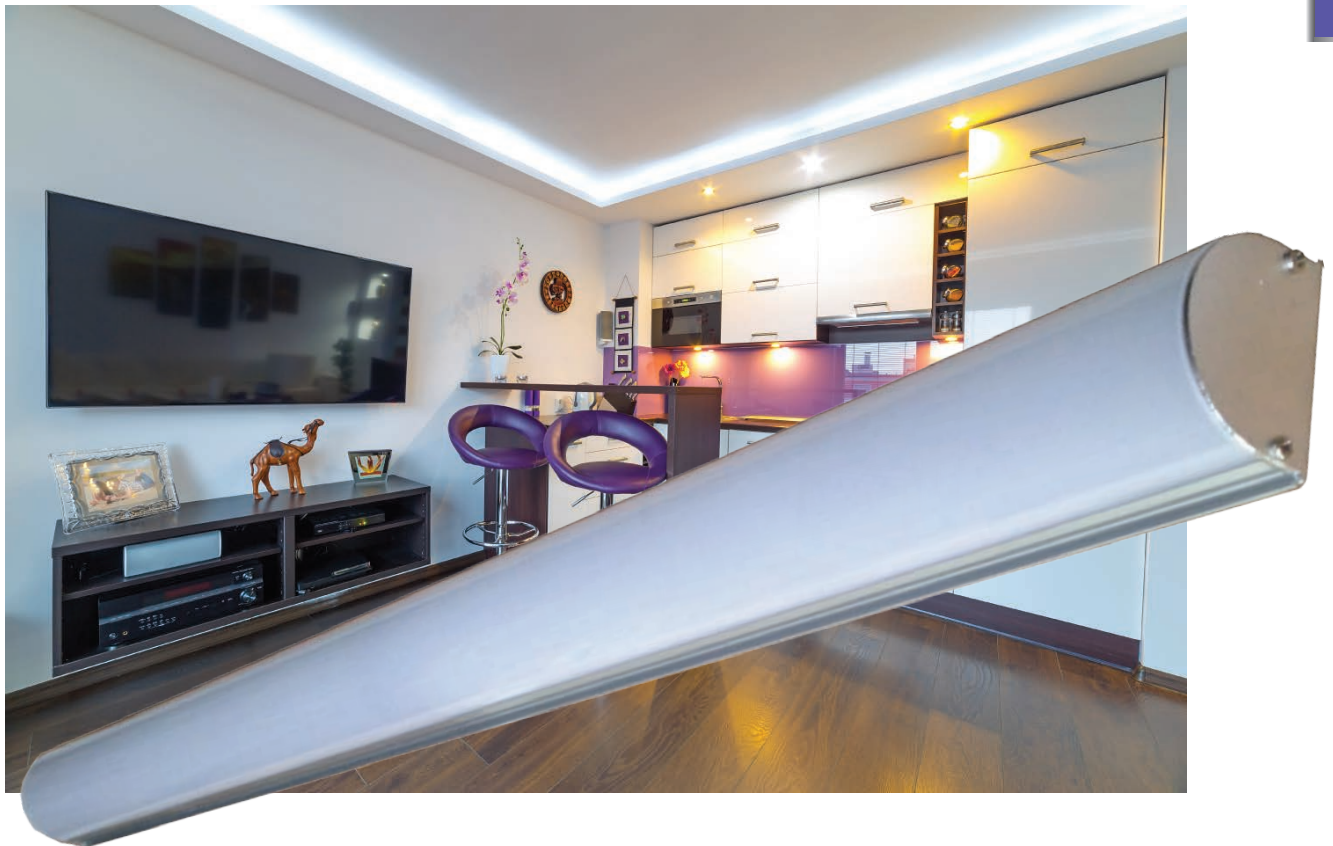


# HIGH OUTPUT RIGID STRIPS

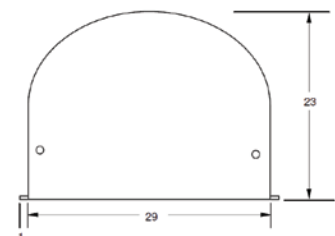
The high output design makes this strip light very versatile, it can be used for many applications. Simple to install and being low voltage it is safe for both indoor and covered outdoor areas. Some suggested applications are under-cabinet lighting, refrigerated display lighting, bar and freezer cabinets, decorative lighting, cove lighting, outdoor pergola lighting and wall washing applications.

Product Code	Voltage (V)	Wattage (W)	Length	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp range	Dimmable
SLSMD50CW	24V DC	19W	50cm	760	120	> 75	6000K	Yes
SLSMD50WW	24V DC	19W	50cm	740	120	> 75	3200K	
SLSMD75CW	24V DC	29W	75cm	1140	120	> 75	6000K	Yes
SLSMD75WW	24V DC	29W	75cm	1110	120	> 75	3200K	
SLSMD2100CW	24V DC	38W	100cm	1520	120	> 75	6000K	Yes
SLSMD2100WW	24V DC	38W	100cm	1480	120	> 75	3200K	

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



SLC strip profile can be controlled with G-Smart App using the RGBW controller and control your lighting from anywhere





## SLIMLINE STRIP LIGHTS

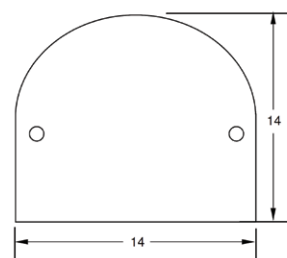
The high brightness and slim line design makes this strip light very versatile, it can be used for many applications. Simple to install and being low voltage it is very safe for both indoor and covered outdoor areas. Some suggested applications are under-cabinet lighting, refrigerated display lighting, bar and freezer cabinets, decorative lighting, cove lighting, outdoor pergola lighting and wall washing applications.

Product Code	Voltage (V)	Wattage (W)	Length	Luminous Flux (Lm)	Beam Angle	CRI	Colour temp range	Dimmable
SLC35-25CW	24V DC	5W	25cm	265	120	> 75	6000K	Yes
SLC35-25WW	24V DC	5W	25cm	210	120	> 75	3200K	Yes
SLC70-50CW	24V DC	8W	50cm	490	120	> 75	6000K	Yes
SLC70-50WW	24V DC	8W	50cm	430	120	> 75	3200K	Yes
SLC105-75CW	24V DC	10W	75cm	735	120	> 75	6000K	Yes
SLC105-75WW	24V DC	10W	75cm	660	120	> 75	3200K	Yes
SLC140-100CW	24V DC	14W	100cm	980	120	> 75	6000K	Yes
SLC140-100WW	24V DC	14W	100cm	925	120	> 75	3200K	Yes

\* Can only be dimmable by using G-Smart system or AL3600RC, AL3200RC



SLC strip profile can be controlled with G-Smart App using the RGBW controller and control your lighting from anywhere

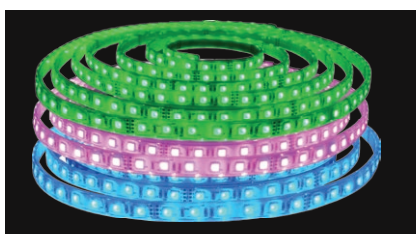


# LED FLEXIBLE STRIP LIGHTS

LED flexible strips with their slim design and high brightness are ideal for interior or exterior non-weatherproof, weatherproof and also submersible applications. The small size and flexibility make them ideal for a wide range of applications. Ideal for cove lighting, back lighting, illumination lighting, guidance lighting, channel letter lighting narrow area lighting, pond lighting, pool lighting, pergolas etc.

Product Code	Voltage (V)	Wattage (W)	IP Rating	Luminous Flux (Lm)	Beam Angle	Roll Length	Strip Dimensions	Colour temp	Dimmable
WPSMD6-1100	12/24V DC	10.8W/M	IP68	1100/m	120	5M	11 x 4mm	6000K	Yes
WPSMD32-1100	12/24V DC	10.8W/M	IP68	1000/m	120	5M	11 x 4mm	3200K	Yes
WPSMD5050R	12V DC	14W/M	IP68	-	120	5M	14 x 4mm	RED	Yes
WPSMD5050G	12V DC	14W/M	IP68	-	120	5M	14 x 4mm	GREEN	Yes
WPSMD5050B	12V DC	14W/M	IP68	-	120	5M	14 x 4mm	BLUE	Yes
WPSMD5050RGB	12/24V DC	14W/M	IP68	-	120	5M	16x 4mm	RGB	Yes
SMD63-L20-6-1100	24V DC	10.8W/M	IP63	-	120	10M/20M	12 x 4mm	RGB	Yes
SMD63-L20-6-1100	24V DC	10.8W/M	IP63	1100/m	120	10M/20M	12 x 4mm	6000K	Yes
SMD63-LR20-32-1100	24V DC	10.8W/M	IP63	1100/m	120	10M/20M	12 x 4mm	3200K	Yes
SMD63-6-KIT-12	12V DC	10.8W/M	IP63	1100/m	120	5M	11 x 4mm	6000K	Yes
SMD63-32-KIT-12	12V DC	10.8W/M	IP63	1100/m	120	5M	11x 4mm	3200K	Yes
SMD6-1100	12V/24 DC	10.8W/M	IP20	1100/m	120	5M	11x 4mm	6000K	Yes
SMD32-1100	12/24V DC	10.8W/M	IP20	1100/m	120	5M	11 x 4mm	3200K	Yes

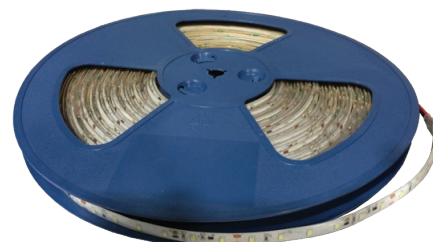
Note : The flexible strips are available in 5m, 10m and 20m rolls, can only be dimmable by using G-Smart system or AL3600RC, AL3200RC



Waterproof power connectors supplied with all strip lights



Power supply to suit strip light also available



\*\* New continuous 10m and 20m roll powered from one end with no light loss over 20m makes installation simple



Single colour & RGB strip light kit complete with power supply and controller



Flexible strip series can be controlled with G-Smart App using the RGBW controller and control your lighting from anywhere





## RIGID LED NEON STRIPS

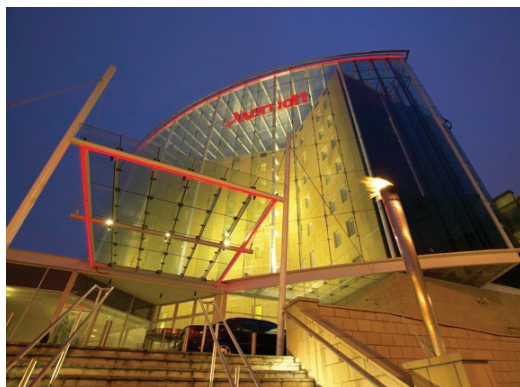
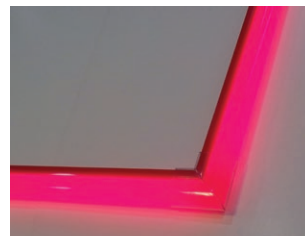
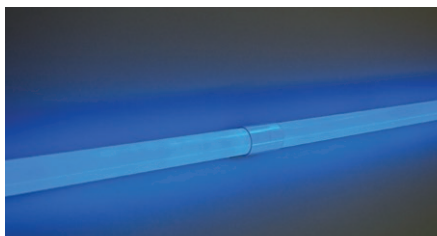
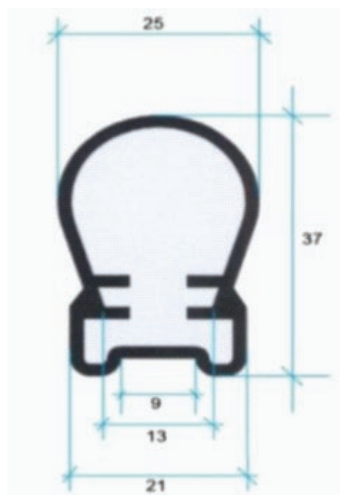
LED ECO LIGHTING, LED neon-system is more attractive and energy-efficient than the old style neon lighting. The inner LED hard PCB and the strong outer PC body makes this product very reliable, saving up to 80% in power costs compared to neon lighting, creating a uniform light throughout over a very 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 G-Smart system or AL3600RC, AL3200RC

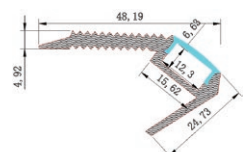
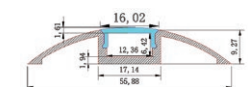
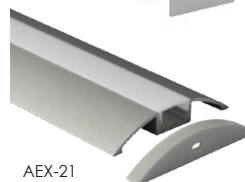
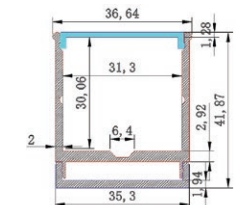
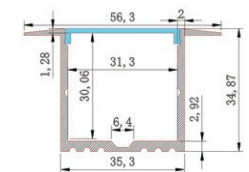
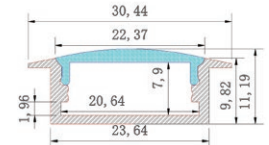
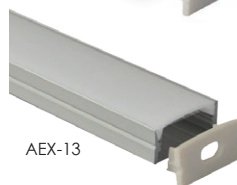
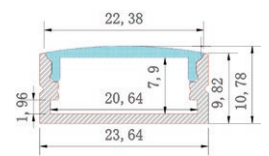
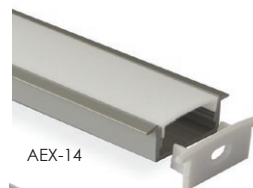
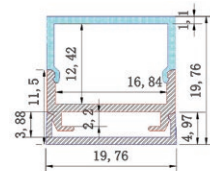
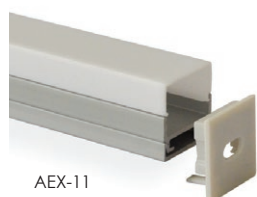
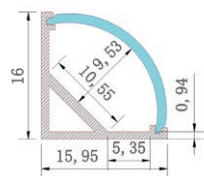
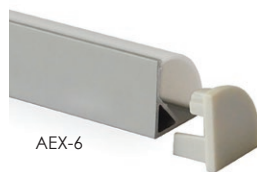
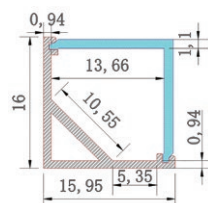
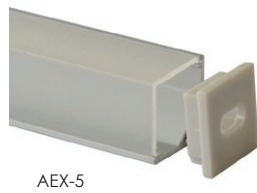
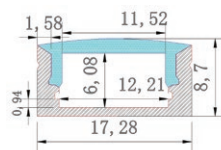
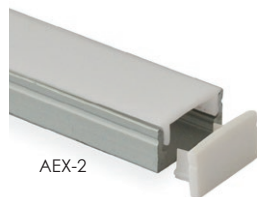
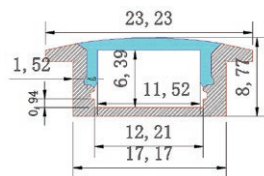




# ALUMINIUM STRIP PROFILES

We carry a range of aluminium strip profiles, so you can customise your LED strip lighting application. Simply add your LED strip cut to the length you require and install it for a fully customised LED lighting application. We can also make the strip to your specifications.

Product Code	Profile size	Profile length	Cover type	Recommended power supply	Recommended LED strip
AEX-1	12.2 x 8	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-2	12.2 x 8	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-5	16 x 16	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-6	16 x 16	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-13	30.5 x 11	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-14	23.5 x 11	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-17	35 x 35	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-11	20 x 19.7	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-20	35 x 35	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-21	52.3 x 8.2	2M	opal/clear/frosted	P1260	SMD6-1100-CW
AEX-22	48 x 26.7	2M	opal/clear/frosted	P1260	SMD6-1100-CW



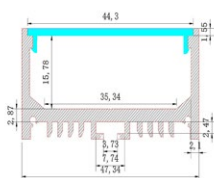
# ALUMINIUM STRIP PROFILES

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Product Code	Profile size	Profile length	Cover type	Power options Watts/M	lumen output p/M Lm
AEX-28	44.3 x 23	2M	opal/clear/frosted	10.8W-32.4W	1100-3300
AEX-51	50 x 32.2	2M	opal/clear/frosted	21.6W-42.2W	2200-4400
AEX-54	71.4 x 32	2M	opal/clear/frosted	21.6W-42.2W	2200-4400
AEX-52	49.9 x 68.8	2M	opal/clear/frosted	10.8W/21.6W	1100-2200
AEX-45	36.4 x 50	2M	opal/clear/frosted	10.8W/21.6W	1100-2200
AEX-53	64.5 x 32	2M	opal/clear/frosted	10.8W-32.4W	1100-3300
AEX-55	90 x 32	2M	opal/clear/frosted	21.6W-42.2W	2200-4400
AEX-41	154.1 x 31.5	2M	opal/clear/frosted	21.6W-42.2W	22000-4400
AEX-58	36.2 x 19.5	2M	opal/clear/frosted	10.8W-21.6W	1100-2200
AEX-60	31 x 20	2M	opal/clear/frosted	10.8W-21.6W	1100/2200



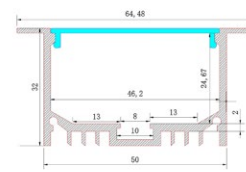
AEX-28



1. Size: 44.3\*23\*2000 mm
2. Color: Silver
3. IP40



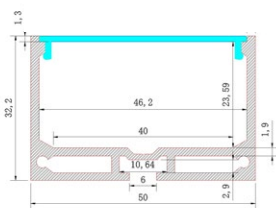
AEX-53



1. Size: 64.5\*32\*2000 mm
2. Color: Silver



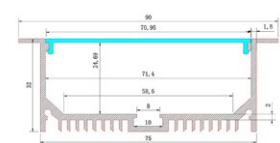
AEX-51



1. Size: 50\*32.2\*2000 mm
2. Color: Silver
3. IP40



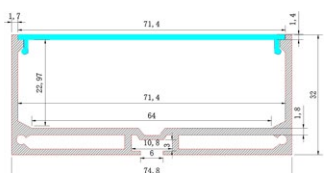
AEX-55



1. Size: 90\*32\*2000 mm
2. Color: Silver



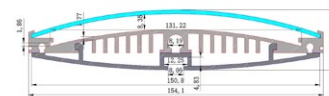
AEX-54



1. Size: 71.4\*32\*2000 mm
2. Color: Silver
3. IP40



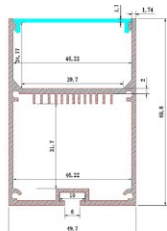
AEX-41



1. Size: 154.1\*31.5\*2000 mm
2. Color: Silver
3. IP40



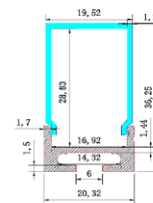
AEX-52



1. Size: 47.9\*69.8\*2000 mm
2. Color: Silver
3. IP40



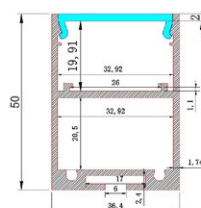
AEX-58



1. Size: 36.2\*19.5\*2000 mm
2. Color: Silvery
3. IP40



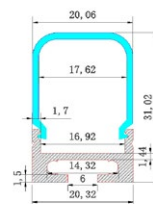
AEX-45



1. Size: 36.4\*50\*2000 mm
2. Color: Silver
3. IP40



AEX-60



1. Size: 31\*20\*2000 mm
2. Color: Silvery
3. IP40







# 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)	Beam Angle	Colour Temp ( K)	Dimensions	Dimmable
MLP30018	240V AC	18W	>0.90	1280	120	3000-6000	295 x 295	optional
MLP30024	240V AC	24W	>0.90	1985	120	3000-6000	295 x 295	optional
MLP60036	240V AC	36W	>0.90	3160	120	3000-6000	595 x 595	optional
MLP60040	240V AC	40W	>0.90	3465	120	3000-6000	595 x 595	optional
MLP60045	240V AC	45W	>0.90	3720	120	3000-6000	595 x 595	optional
MLP60048	240V AC	48W	>0.90	4100	120	3000-6000	595 x 595	optional
MLP120036	240V AC	36W	>0.90	3160	120	3000-6000	1195 x 295	optional
MLP120040	240V AC	40W	>0.90	3465	120	3000-6000	1195 x 295	optional
MLP120045	240V AC	45W	>0.90	3720	120	3000-6000	1195 x 295	optional
MLP120048	240V AC	48W	>0.90	4100	120	3000-6000	1195 x 295	optional
MLP120072	240V AC	72W	>0.90	5960	120	3000-6000	1195 x 595	optional



CCT



DALI



0/1-10V



PUSH



TRIAC



FLICKER FREE



ISOLATED



## RECESSED MOUNTING PANEL FRAMES

Panel frames are available for 295x295, 595x595, 1195x295, 1195x 295 panels



## SURFACE MOUNTING PANEL FRAMES

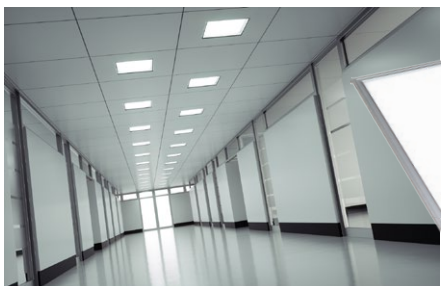
Panel frames are available for 295x295, 595x595, 1195x295, 1195x 295 panels



Wire suspension kit



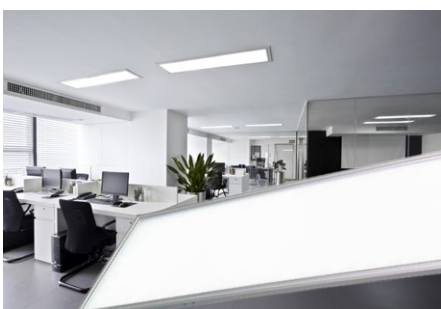
MLP30018 BEAM ANGLE 120 DEG			
Distance (M)	Max (lux)	Diameter (M)	
0.5	2132	1.47	
1	533	2.94	
1.5	236	4.41	
2	133	5.89	
2.5	85	7.36	



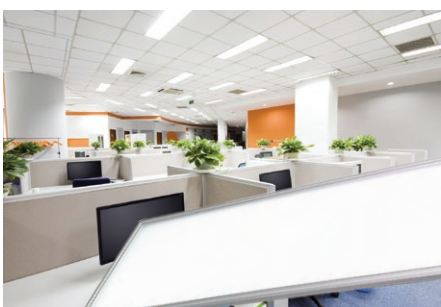
MLP60040 BEAM ANGLE 120 DEG			
Distance (M)	Max (lux)	Diameter (M)	
1	1203	2.9	
2	301	5.9	
3	133	8.8	
4	72	11.8	
5	48	14.7	



MLP60048 BEAM ANGLE 120 DEG			
Distance (M)	Max (lux)	Diameter (M)	
1	1567	3	
2	392	6.1	
3	174	9.1	
4	98	12.1	
5	63	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	1506	2.9	
2	376	5.9	
3	167	8.8	
4	92	11.8	
5	60	14.7	



MLP120072 BEAM ANGLE 120 DEG			
Distance (M)	Max (lux)	Diameter (M)	
1	2169	2.9	
2	542	5.9	
3	241	8.8	
4	135	11.8	
5	87	14.7	

# OUR UNIQUE PANEL FEATURES



Our panels use the highest quality driver to eliminate flicker.

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

## EFFECTS OF FLICKER FROM LED PRODUCTS

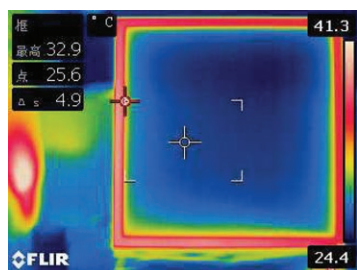
Flicker from LED products is caused by a number of factors such as supply voltage disturbance, type of dimmer, poor but mostly poor driver design to lower driver cost. This flicker can cause a number of side effects to people working under these lights for prolonged periods of time such as offices, production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

some of these side effects can include:

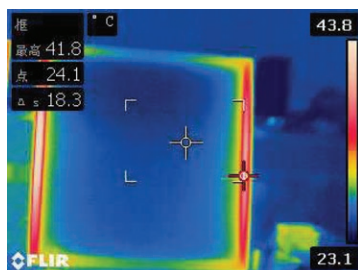
headache, migraine, tiredness increased intraocular pressure, blurred vision, neurological problems such as photosensitivity, epilepsy.

Other related hazards could cause :

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



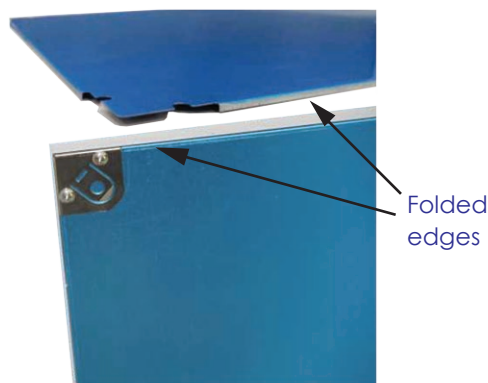
Our panels 4 Edge lit system  
Excellent uniformity



Other panel products only  
2 edges are lit.

## 4 SIDE EDGE LIT SYSTEM LIGHT UNIFORMITY

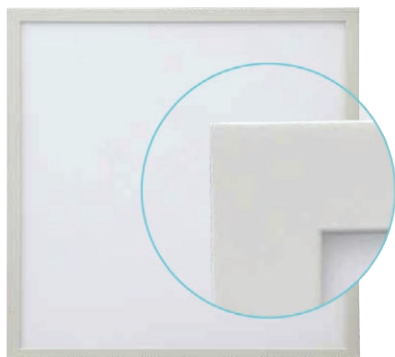
Is when there are 4 strips of LED around each side of the panel. Infrared thermography image shows the light output from our 4 edge lit system, produces a the very even light output compared to other brands that only use 2 side edge lit system.



## 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 show 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 however each batch order is usually 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.

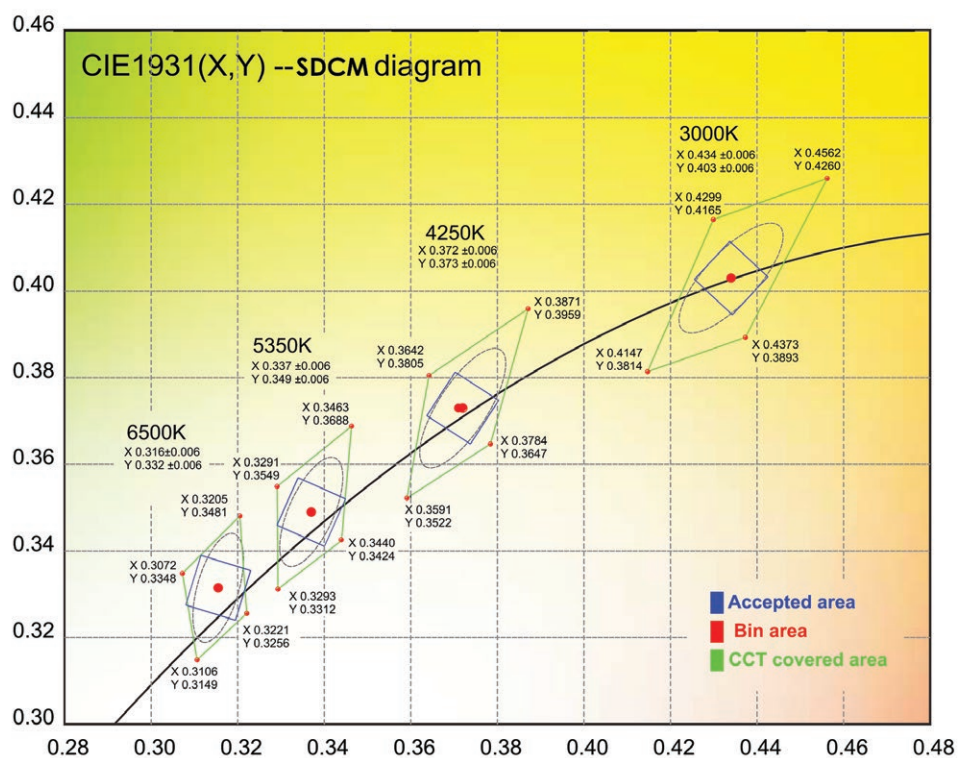


### 4014 LED chip Package

Our LED chips are made in house this 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

# 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

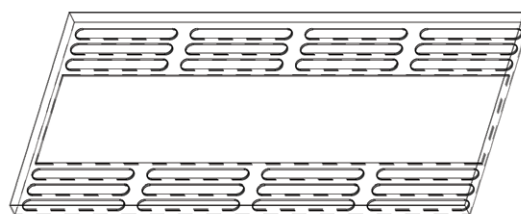
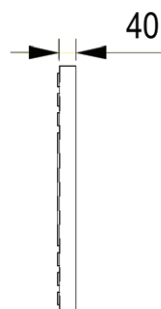
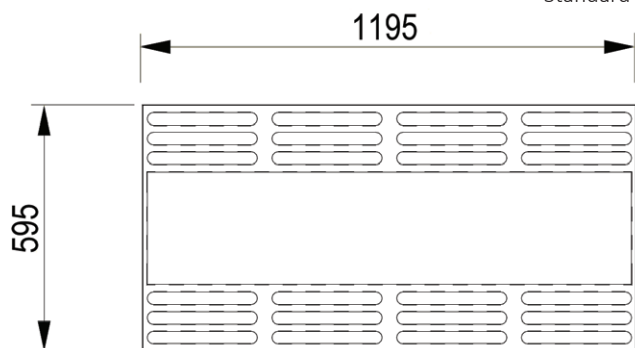
Also available in plaster recess, surface mount, wire suspension and T-Bar ceiling mount

## 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 in to 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	

# GEN-X 20W-50W LED FLOOD LIGHTS

LED Flood fittings have an ultra high brightness at 160lm/w, with lower power consumption than 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.

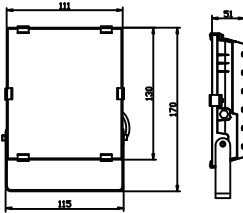
Product Code	Voltage (V)	Wattage (W)	Luminous Flux (Lm)	Beam Angle	CRI	IP Rating	Colour Temp	Dimmable
FLX20P	240V AC	20W	3160	120	>80	IP65	3000K/5000K	No
FLX30P	240V AC	30W	4740	120	>80	IP65	3000K/5000K	No
FLX50P	240V AC	50W	7900	120	>80	IP65	3000K/5000K	No

## COMPARISON BETWEEN GEN-X 160 lm/W LED FLOODS AND STANDARD 100lm/W LED 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

**160Lm/W** **IP65**

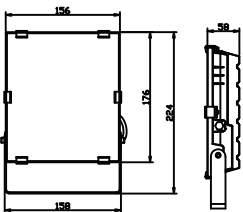
20W



20W BEAM ANGLE 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



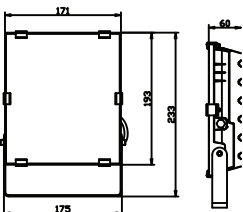
30W



30W BEAM ANGLE 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 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 at 160lm/w, with lower power consumption than other LED floods on the market. The robust aluminum 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	11850	120	>80	IP65	3000K/5000K	No
FLX95P	240V AC	95W	15010	120	>80	IP65	3000K/5000K	No
FLX135P	240V AC	135W	21330	120	>80	IP65	3000K/5000K	No

**160 lm/W  
LED**

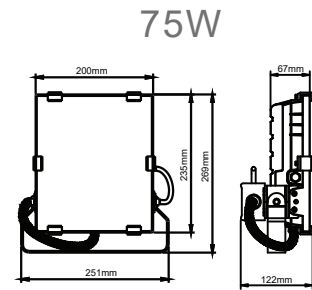
**IP65**

## COMPARISON BETWEEN GEN-X 160 lm/W LED FLOODS AND STANDARD 100lm/W LED FLOODS

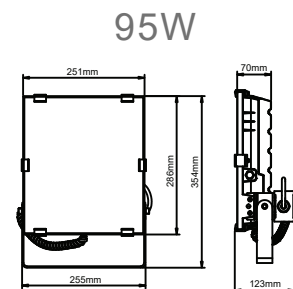
NEW 75W GEN-X Flood = Standard 120w LED Flood  
 NEW 95W GEN-X Flood = Standard 160w LED Flood  
 NEW 135W GEN-X Flood = Standard 220w LED Flood



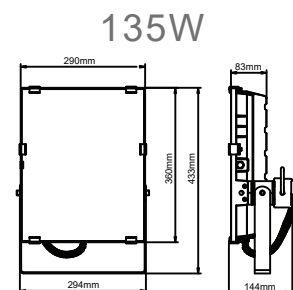
75W BEAM ANGLE 120DEG			
Distance (M)	Avg/Max (lux)	Diameter (M)	
1.2	6136	5.94	
2.4	1534	11.88	
3.6	681	17.82	
4.8	383	23.76	
6.0	245	29.70	



95W 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 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	

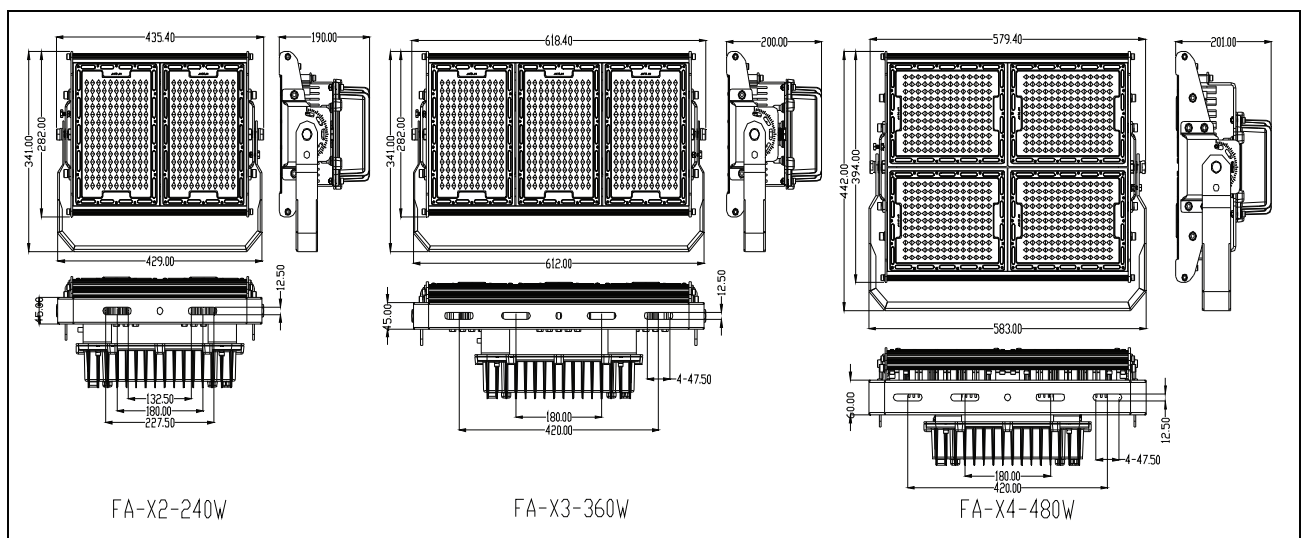
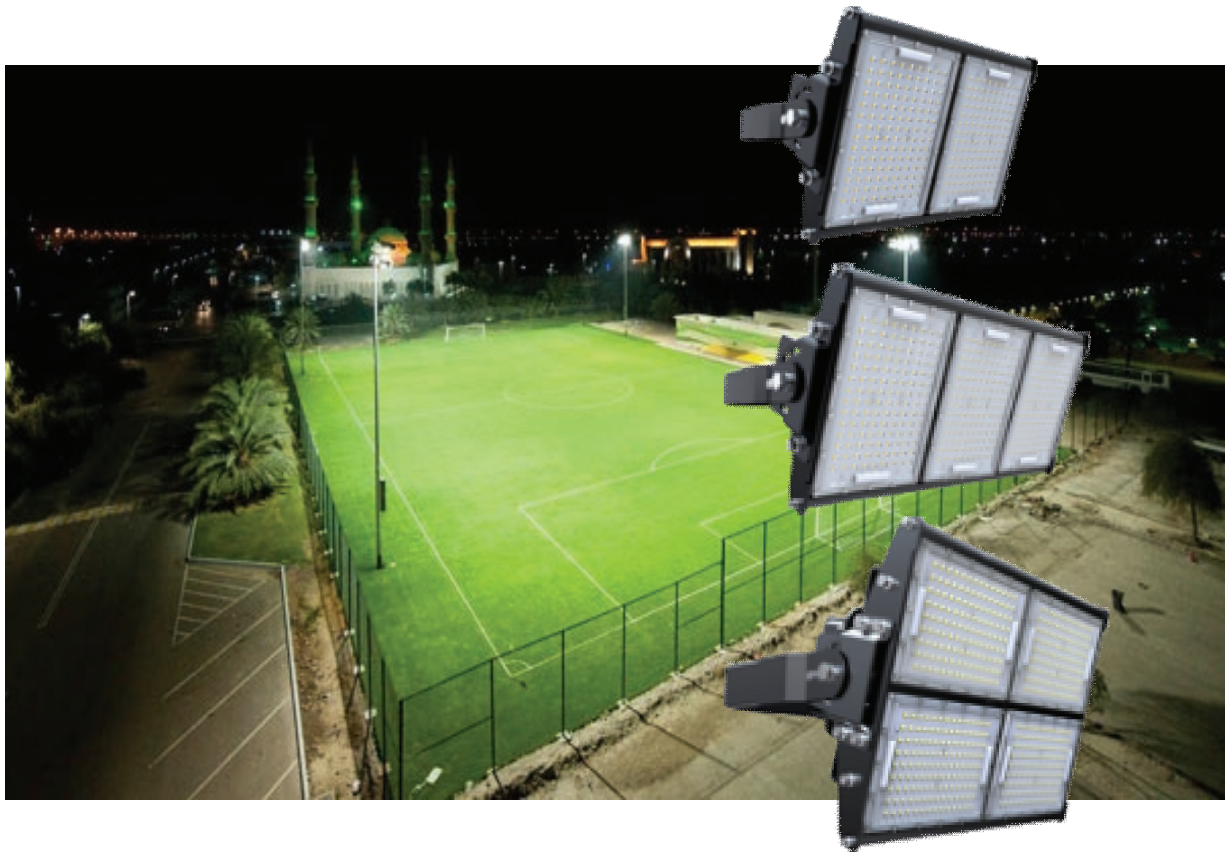


## 240W - 480W LED SPORTS LIGHTS

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

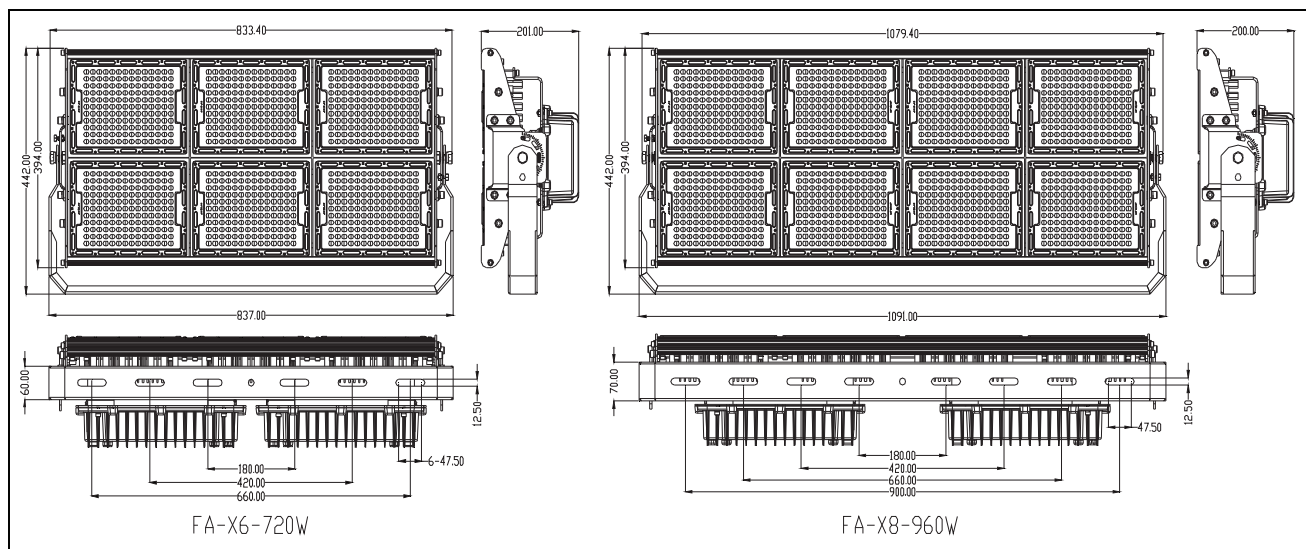


# 720W - 960W LED SPORTS LIGHT

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-X2-720W	240V AC	720W	82,800	32	>80	30/60/100	4000-6000K	-30°C~+50°C
FA-X3-960W	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

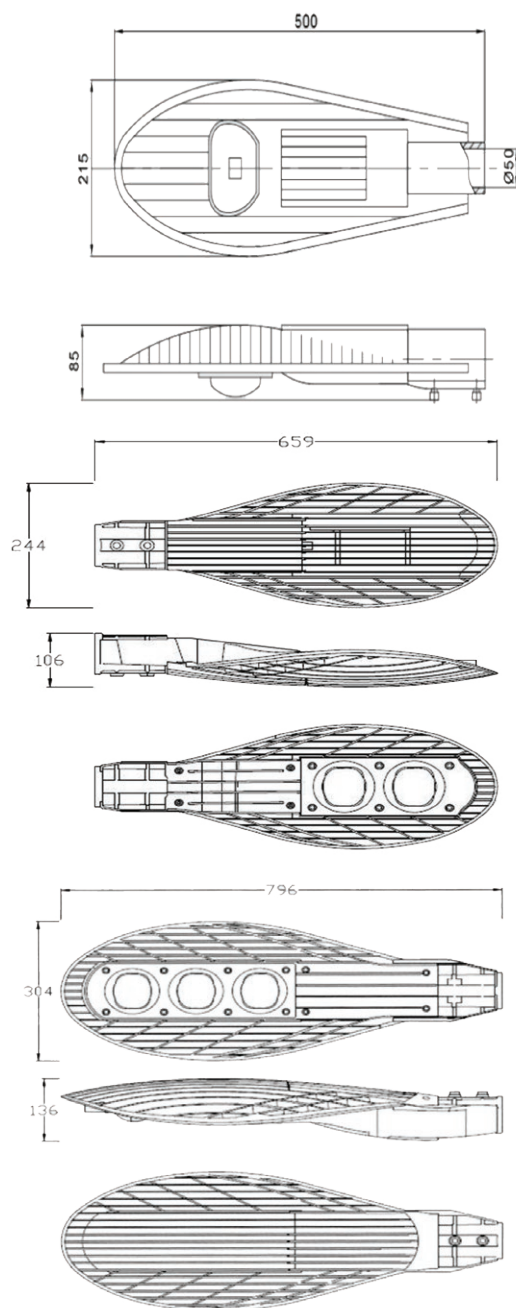




# LED STREET LIGHTS

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 fitting 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

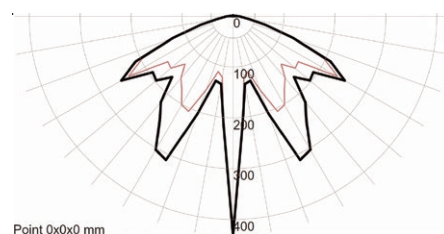
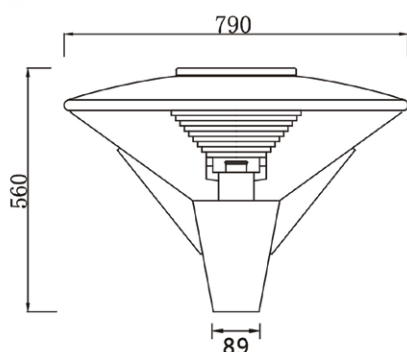
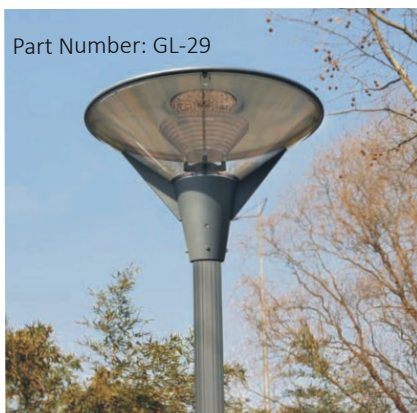


# LAMP POST LIGHT FITTINGS

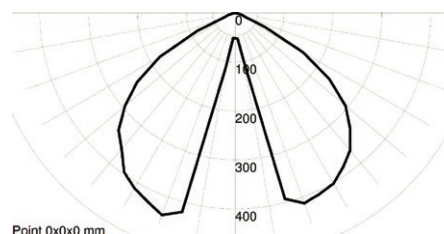
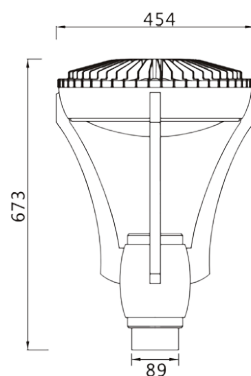
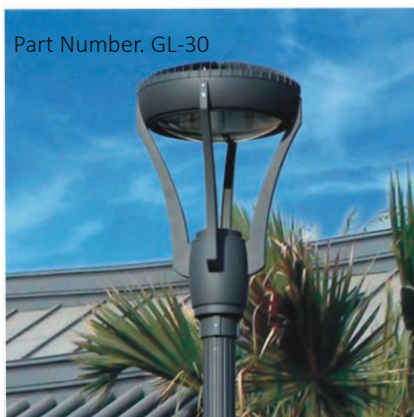
Garden lamps are ideal for lighting, courtyards, walkways, garden areas and general outdoor lighting applications. Posts are available in various options, made from aluminium alloy and powder coated in dark grey, they are also available in special colours on request.

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

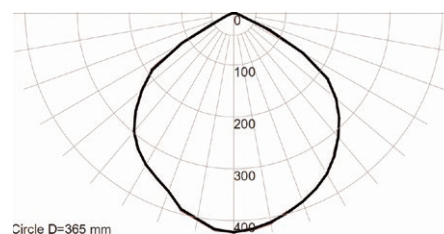
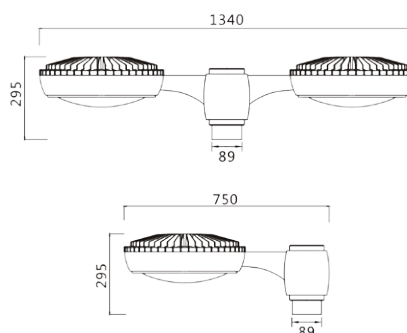
Part Number: GL-29



Part Number: GL-30



Part Number: GL-31A, GL-31B



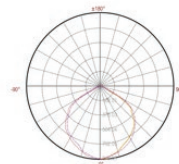
Pole also available Part number: P4500 (4.5m pole)

# LAMP POST LIGHT FITTINGS

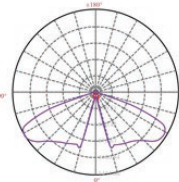
Garden lamps are ideal for lighting courtyards, walkways, garden areas and general outdoor lighting applications. Posts are available in various options, made from aluminium alloy, powder coated in dark grey and they are also available in special colours on request.

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



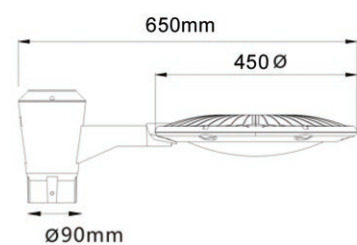
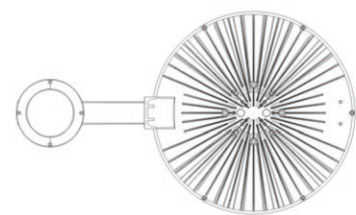
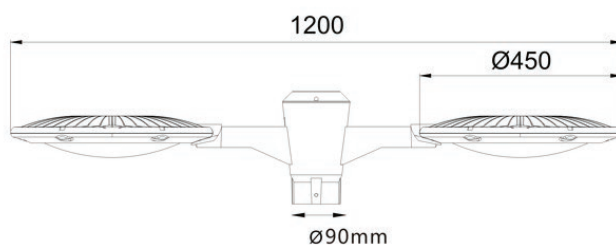
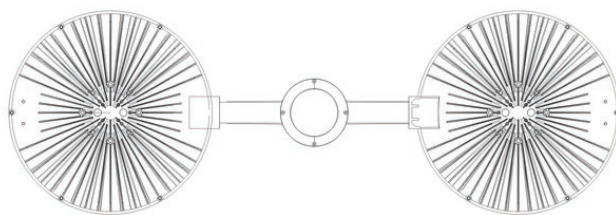
With Lens



Part Number: GL-32



Part Number: GL-33









# 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 G-Smart system or AL3600RC, AL3200RC ask us for a package solution



SUL11



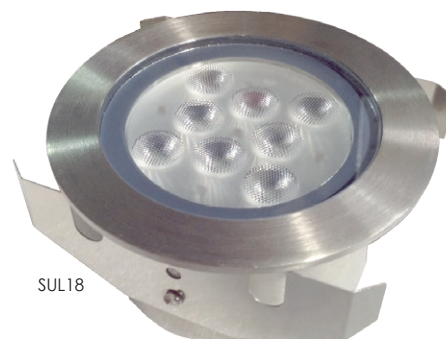
SUL11-WR  
wide rim



SUL13



SUL16



SUL18

# INGROUND UPLIGHTERS

This high power, high brightness 12W to 24W inground uplighter is available in spot or frosted glass. These fittings produce 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 and can be installed in harsh environments. Ideal 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 G-Smart system or AL3600RC, AL3200RC ask us for a package solution



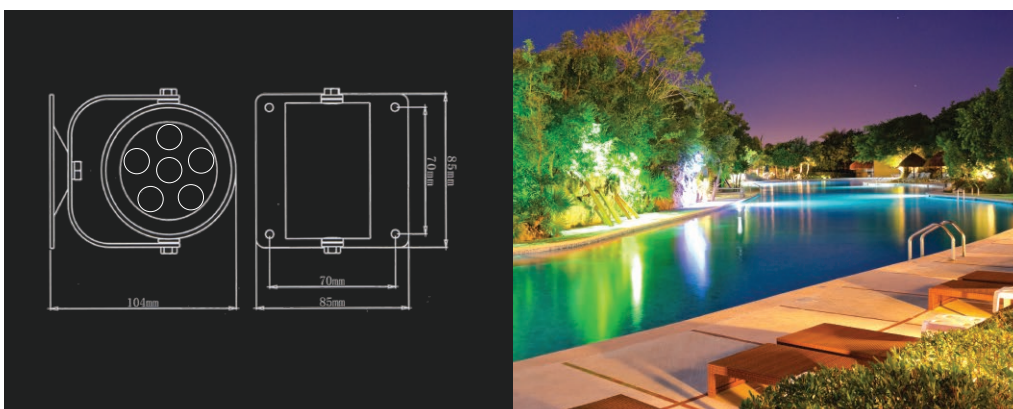


# 3W - 9W BASE MOUNT GARDEN LIGHTS

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 they can be installed in harsh environments. Ideal 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 G-Smart system or AL3600RC, AL3200RC ask us for a package solution

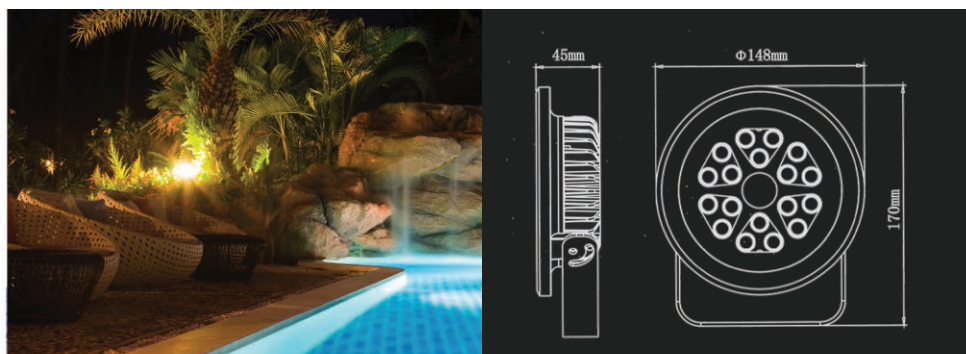


# 12W-24W BASE MOUNT GARDEN LIGHTS

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 and can be installed in harsh environments. Ideal 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	Cast Alloy	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	Cast Alloy	24

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



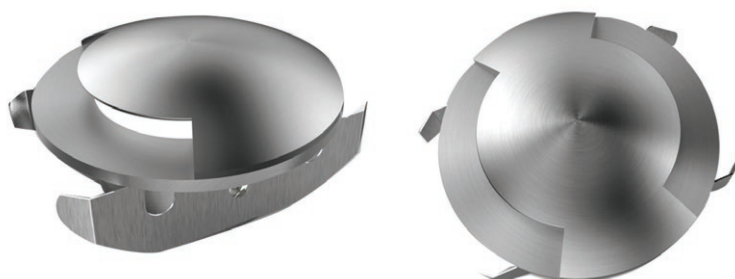
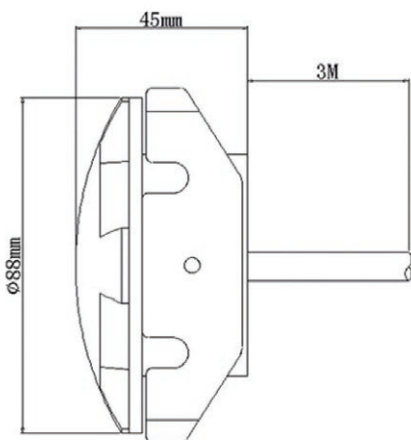
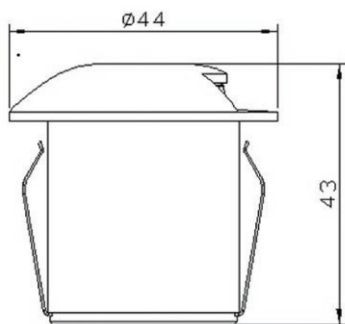
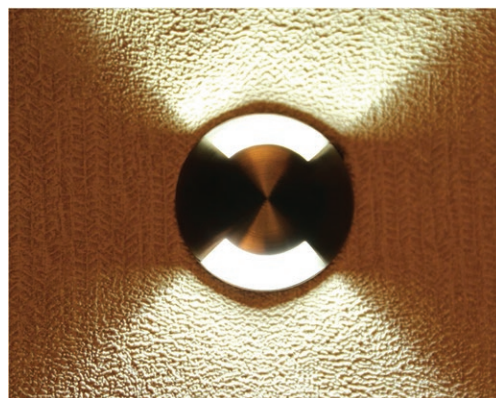


# GARDEN STEP LIGHTS

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 can 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	
SSL13	12/24V DC	3W	IP67	240	diffused	CREE	316 SS	3
SSL13/2	12/24V DC	3W	IP67	240	diffused	CREE	316 SS	

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





## 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 G-Smart system or AL3600RC, AL3200RC ask us for a package solution

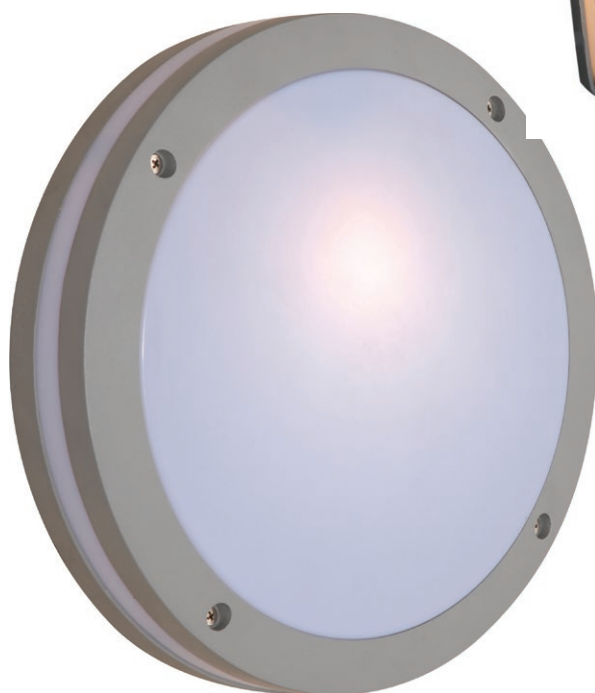


# OUTDOOR OYSTER LIGHT FITTINGS

The surface mount round and rectangular oyster light has a modern and stylish design. Ideal for use in any indoor or outdoor areas, 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)	Dimensions	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



OWP20



RWPR20



RWPE20

# 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)
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WR20RB	12VDC	20W	2000	110	3000-6000(CW)	2.1
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Battery Code	Charger output Voltage	Battery type	Charging time	Battery life	Weight (Kg)
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DPB20	12VDC	8.8Ah Lithium	6 Hours	6-24 Hours	0.9
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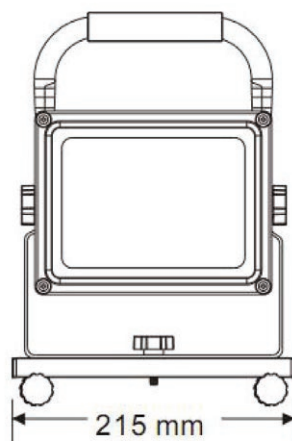


WR20RB

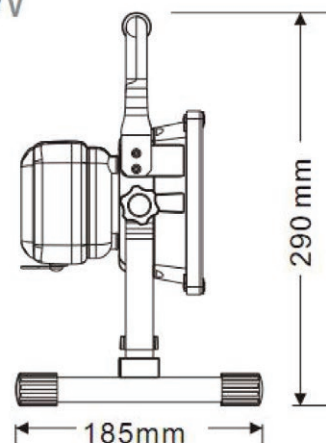


Collapsible Tripod to suit 1, 2 or 3 flood lights or rechargeable work lights

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

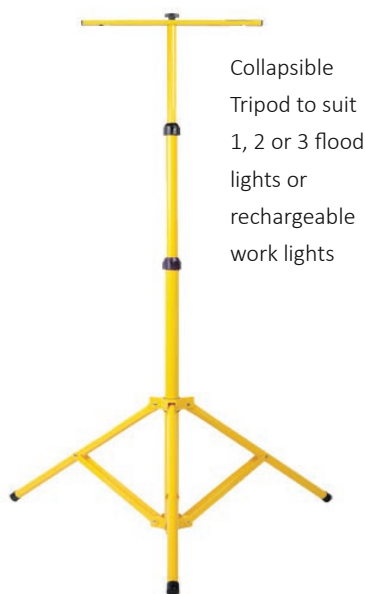




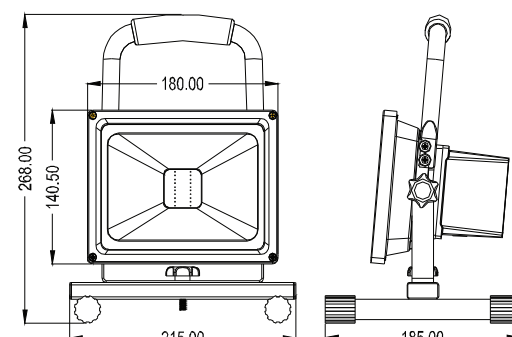
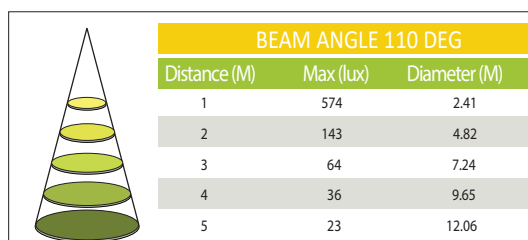
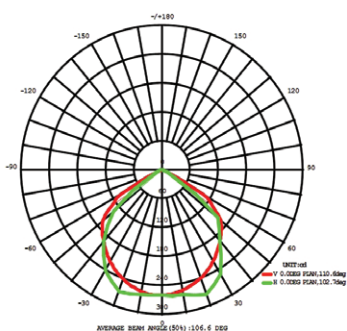
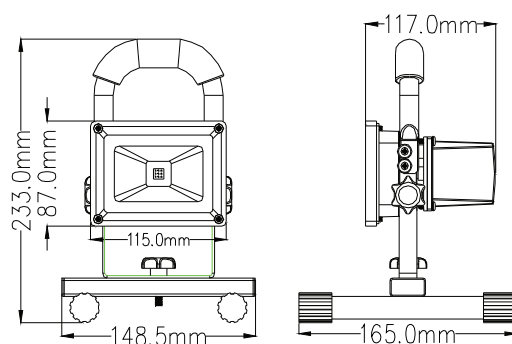
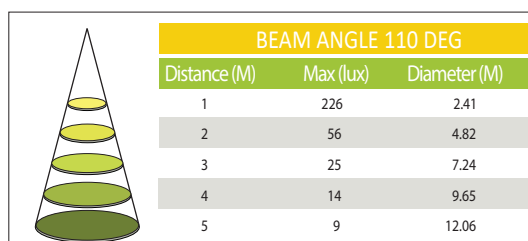
# RECHARGEABLE WORK LIGHTS

LED portable work lights are constructed from robust cast aluminium, these work lights are mercury free, environmentally friendly with a high light output and long battery life. 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.

Product Code	Charger Voltage	Wattage (W)	Luminous Flux (Lm)	Beam Angle	Charging time	Battery life	Colour Temp	Weight (Kg)
WR10CW	240V AC	10W	800	110	5 Hours	3 Hours	5000 (CW)	1.25
WR20CW	240V AC	20W	1600	110	5 Hours	3 Hours	5000 (CW)	1.3
WR106CW	240V AC	10W	800	110	6 Hours	6 Hours	5000 (CW)	1.3
WR206CW	240V AC	20W	1600	110	8 Hours	6 Hours	5000 (CW)	1.35



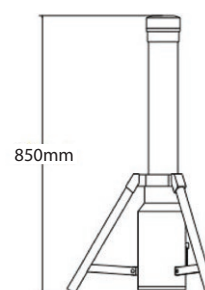
Collapsible Tripod to suit 1, 2 or 3 flood lights or rechargeable work lights



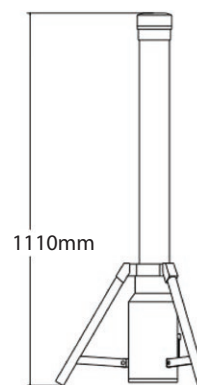
# RECHARGEABLE 360° POST LIGHT

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.

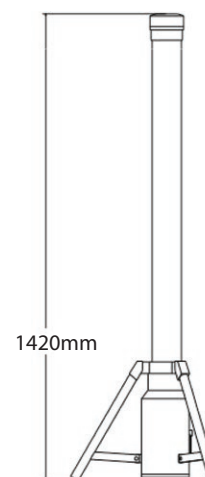
Product Code	Charger output Voltage	Wattage (W)	Luminous Flux (Lm)	Beam Angle	Colour Temp	Weight (Kg)	Battery Lithium	Charge time	Battery Run time
WR360-20	24VDC	20W	1800	360	3000-6000	3.6	18.5v/4.0Ah	4 Hours	3-12 Hours
WR360-40	24VDC	40W	3600	360	3000-6000	4.7	18.5v/5.2Ah	4 Hours	3-12 Hours
WR360-60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



20W



40W



60W

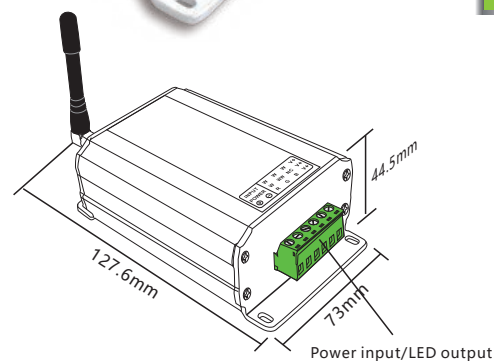
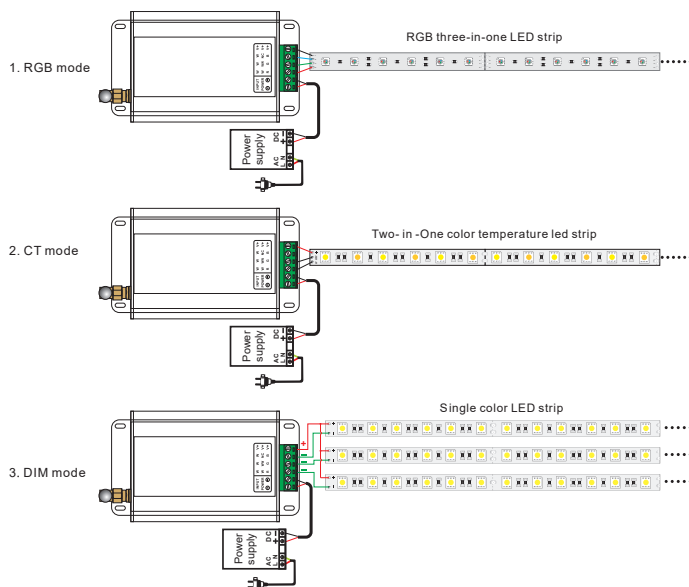


colour range available

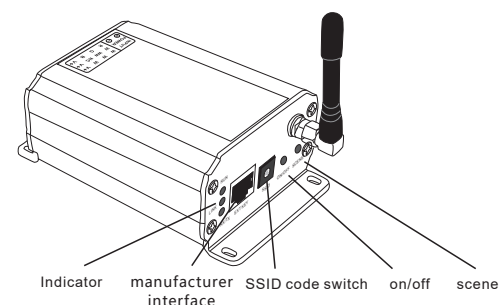
# WiFi LED CONTROLLER

The WiFi controller is controlled with software Apps that can be downloaded, free for Iphone or android by searching for "WiFi-102" through your mobile device. This allows you to use the App to control colour temperature, dimming and also colour changing modes. As technology improves, more devices will be controlled via mobile phones and tablets. So being able to control your lighting system via these devices is a smart option and makes this device very versatile for domestic and commercial applications.

Product Code	WiFi-102
Input Voltage	12 - 24V DC
Output Current	4Ax 3CH 12Ampd Max
Output Power	144W(12V0/288 (24V)
Control Distance	100 Metres Max
Weight	290g
Ambient Temp Range	-20°C~+50°C
Size	iOS(4.5MB), Android (4.2MB)
Platform	Android 2.1 or above, IOS4.3 or above
Colour Change Modes	32 fixes modes, 8 DIY modes)
Control Output	single colour,color temp, RGB
Package Size	L127 x W73 x H44



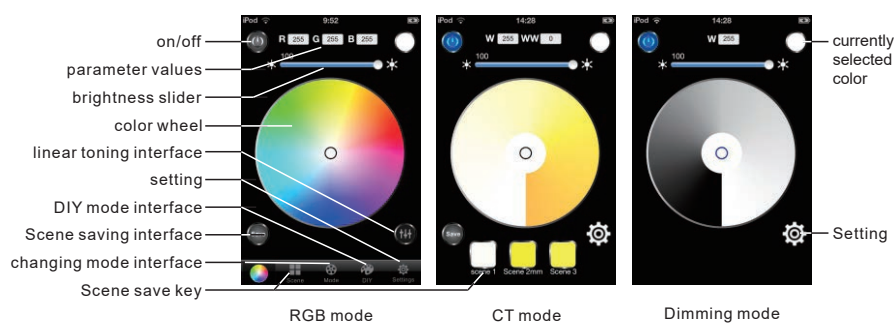
Side A



Side B



Multiple controlable options



RGB mode

CT mode

Dimming mode



# 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	100 Metres Max
Weight	290g
Ambient Temp Range	-20°C~+50°C
Colour change modes	32 fixes modes, 8 DIY modes)
Control output	single colour,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.

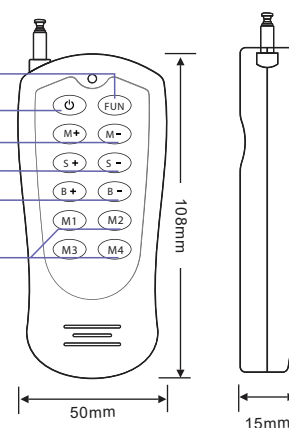
ON/OFF(Long press, the buzzer can be on or off)

Mode+/Mode-

Speed+/Speed-

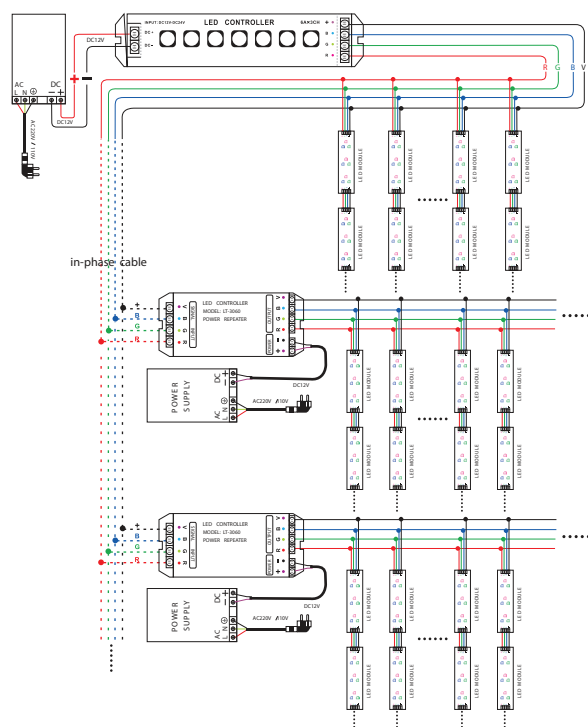
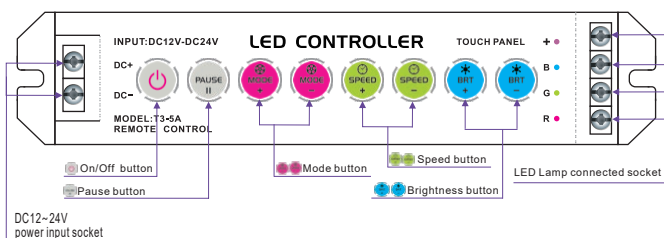
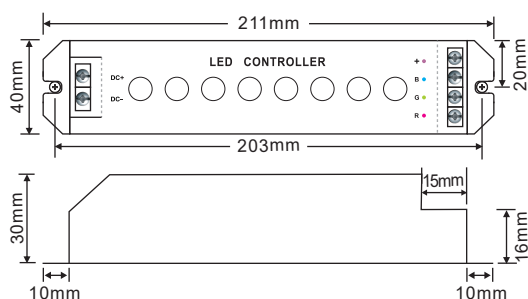
BRT+/BRT-

Scene-mode key



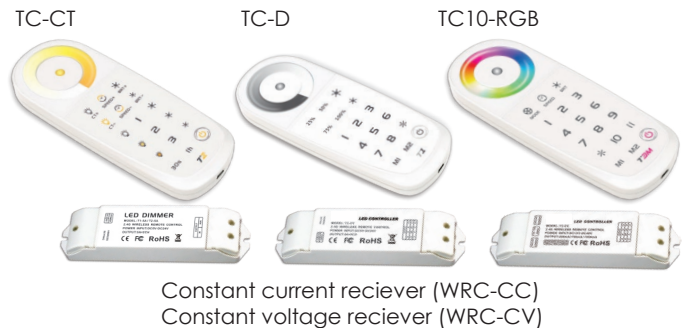
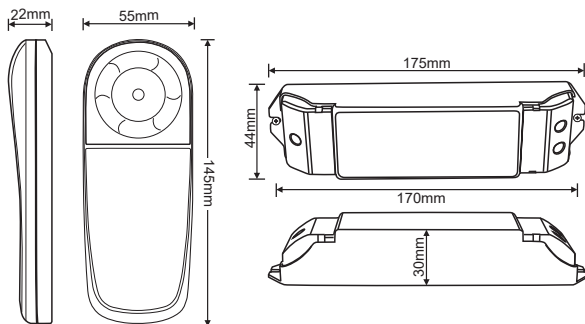
IR Remote Control

Repeaters are All Connected to Controller in Parallel.

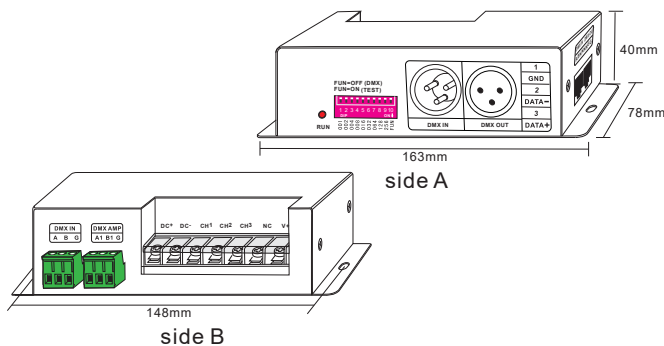


# EXPANSION MODULES

This range of expansion modules 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.



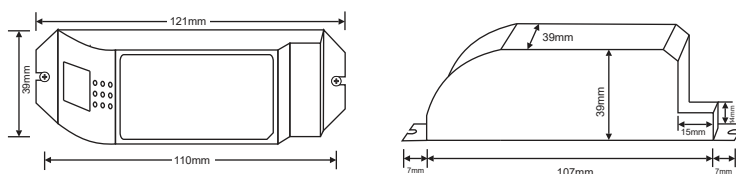
DMX-PWM Decoder works to convert universal DMX512 digital signal to PWM signal, when controlled by DMX512 console, with 256 levels gray scale output per channel. Realize 0-100% brightness and various changing effects, equipped with DMX standard XRL-3, RJ45, green terminal interface, can control single colour, two colour and RGB LED lights.



Constant voltage DMX decoder (AL-830)  
Constant current DMX decoder (AL-830-350)

LED constant current and constant voltage expansion modules are suitable for use with a range of PWM controllers. By using these expansion modules this allows you to control an unlimited quantity of LED modules and strips.

1. 3 Channels RGB output, 5A/CH, total 15A.
2. Accepts PWM control signal from a range of controllers.
3. Unlimited connection quantity theoretically, unlimited power output expansion.
4. The in-phase is not restricted by any number of repeaters and are always synchronous.
5. Maximum length from controller to repeater can be 500 meters.



Constant voltage amplifier (AL-3060)  
Constant current amplifier (AL-3090-350 or AL-3090-700)

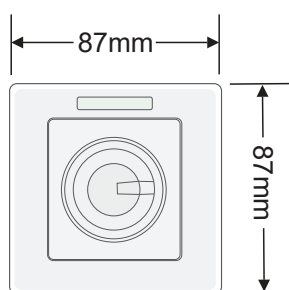
# LED DIMMER CONTROLLERS

AL-3200RC dimmer controller is an intelligent dimmer system specially designed for LED lighting. It adopts the most advanced digital brightness-adjusting technology that enables you to adjust the brightness via the control knob and can also adjust the brightness via the infrared remote control. It is suitable for installation in commercial and domestic lighting applications.

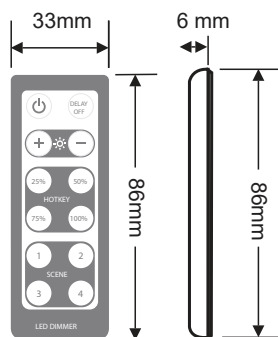


ProductCode	AL-3200RC
Input Voltage	12 - 48V DC
Output Current	6A Max
Output Power	72W/144W/216W/288W(12V/24V/36V/48V)
Control Distance	line of sight 15m
Weight	200g
Ambient Temp Range	-20°C~+50°C
Dimming Range	0 - 100 %
Grey Scale	1024 Levels
Package size	L96 x W91 x H61

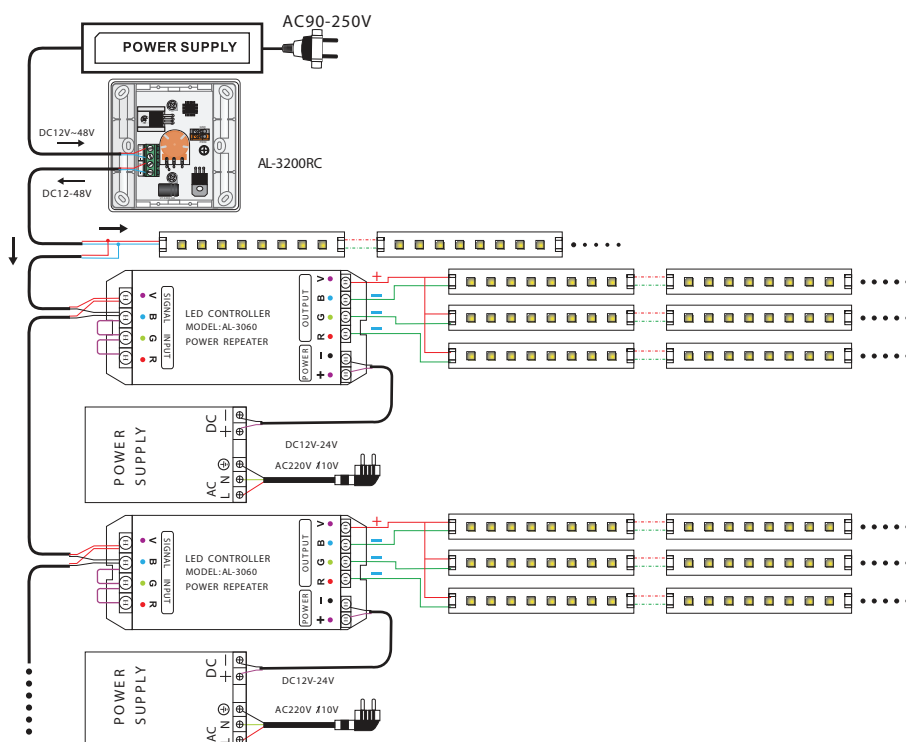
Sign	Button	Description
	ON/OFF	<ul style="list-style-type: none"> <li>Turn on or turn off the LED lamp</li> <li>Any button can start the LED lamp at off status.</li> </ul>
	DELAY OFF	<ul style="list-style-type: none"> <li>Press this button, it will wait 30 seconds before turning off the light automatically.</li> </ul>
	BRT+ BRT-	<ul style="list-style-type: none"> <li>Press this two buttons to increase and decrease LED brightness.</li> <li>Can change brightness continuously by holding on the button.</li> </ul>
	BRIGHTNESS KEYBOARD SHORTCUTS	<ul style="list-style-type: none"> <li>Can select different brightness you want directly and immediately by Pressing these 4 shortcuts.</li> </ul>
	DIY SCENE KEY	<ul style="list-style-type: none"> <li>Total four keys, press any key over 3 seconds until the indicator flicks, it means the current brightness was recorded to this button, later you can enter this mode by just once pressing.</li> </ul>



Dimmer Size



IR Remote Size

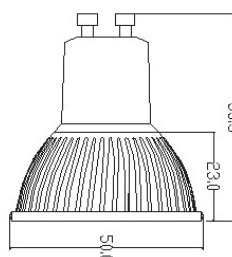
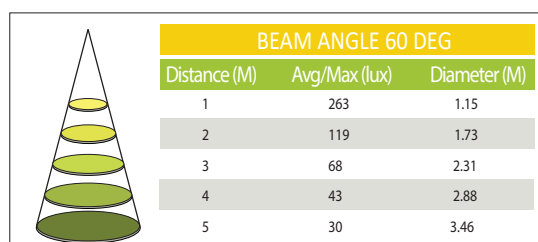




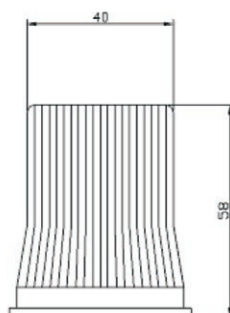
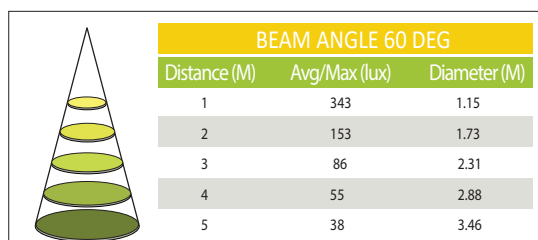
# GU10 SPOT LAMPS

GU10 4W 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.

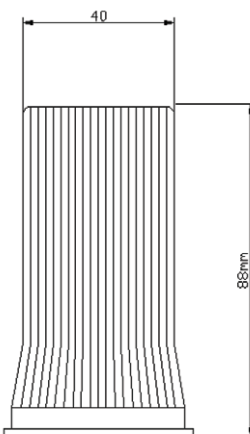
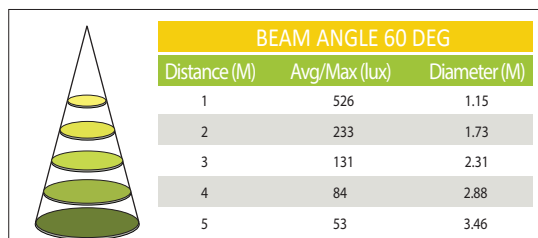
Product Code	Voltage (V)	Wattage (W)	Power Factor (Pf)	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp (K)	Dimmable
GU105CW	240V AC	5W	>0.85	440	60	Bridgelux COB	6000K	Yes
GU105WW	240V AC	5W	>0.85	420	60	Bridgelux COB	3200K	Yes
GU106CW	240V AC	6W	>0.85	490	60	Bridgelux COB	6000K	Yes
GU106WW	240V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



GU106



GU108

GU10 flex and plug  
downlight conversion adaptor

# MR16 SPOT LAMPS

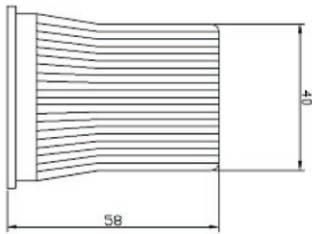
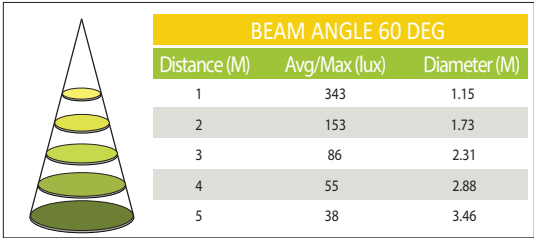
MR16 LED spot lamps is available in 6W and 8W to replace halogen lamps from 20W to 50W without the need to replace the downlight fixture. Their high light output with a low power consumption make them the ideal choice for lamp replacement in existing fixtures.

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

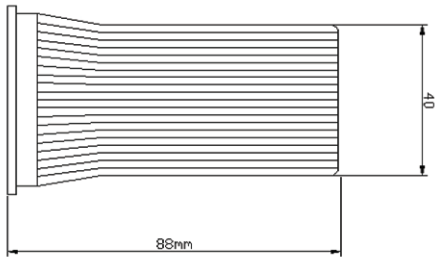
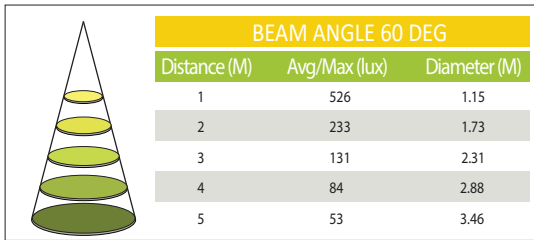
Suitable for most halogen downlight transformers



MR166



MR168

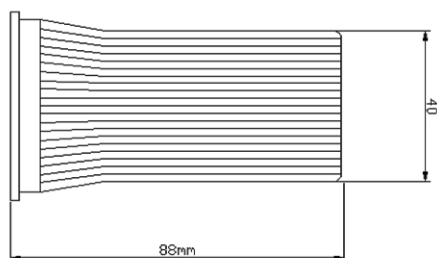
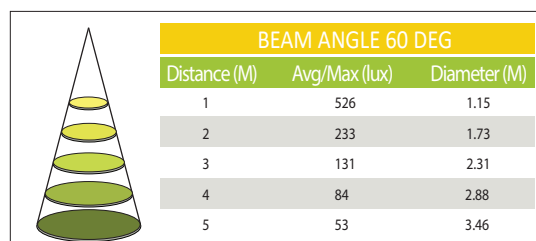
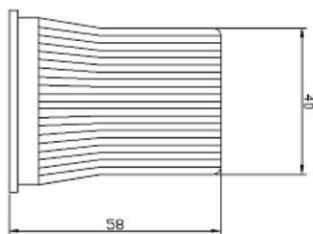
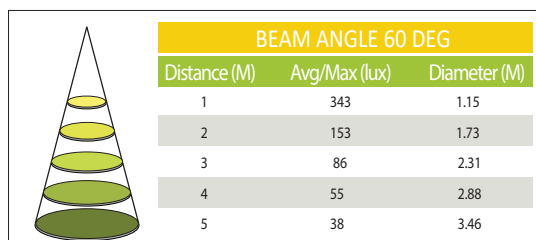


## MR16 LAMP KITS

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

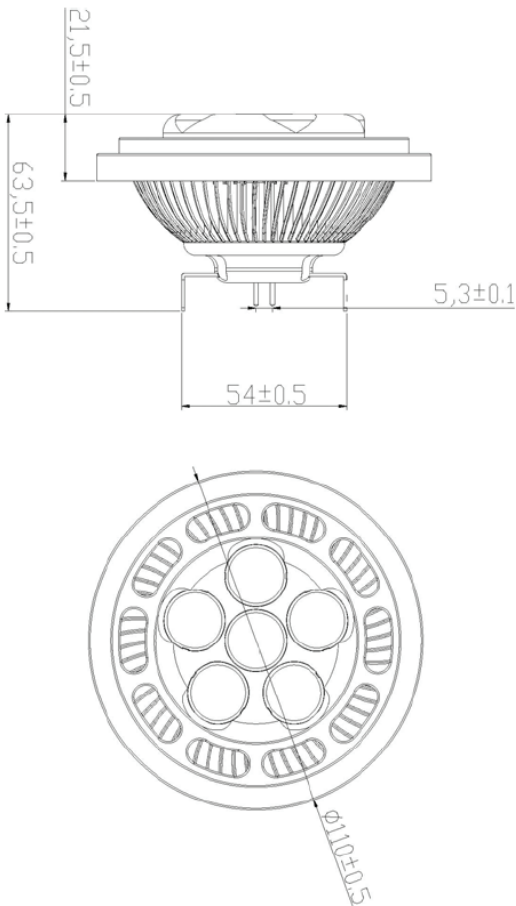




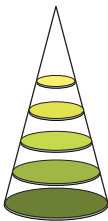
# AR111 SPOT LAMPS

LED AR111 replacement spot lamps are ideal for replacing AR111 halogen lamps in a range of commercial fixtures at a fraction of the complete fixture price while also providing up to 80% of the original power consumption.

Product Code	Voltage (V)	Wattage (W)	Power Factor (Pf)	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp	Dimmable
AR111WW	12V AC/DC	12W	>0.85	585	45	CREE	3200 (WW)	No
AR111NW	12V AC/DC	12W	>0.85	620	45	CREE	5000 (NW)	No
AR111CW	12V AC/DC	12W	>0.85	640	45	CREE	6000 (CW)	No



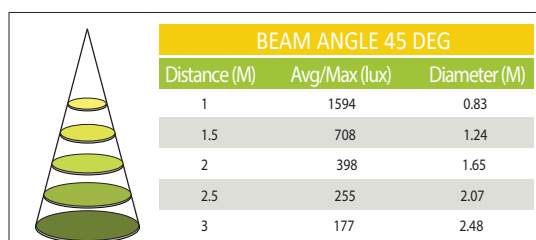
BEAM ANGLE 45 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	752	0.83
1.5	334	1.24
2	189	1.65
2.5	120	2.07
3	83	2.48



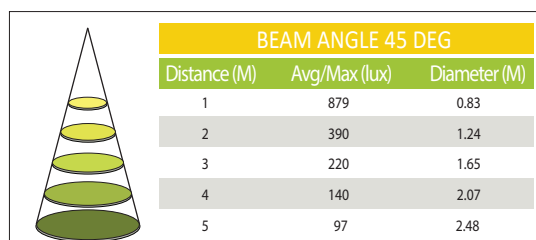
# PAR SPOTLAMPS

LED Par 30 and Par 38 lamps are designed to replace conventional Par series lamps in a range of commercial and domestic lighting applications providing savings of up to 80% of the original power consumption.

Product Code	Voltage (V)	Wattage (W)	Power Factor (Pf)	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp	Dimmable
PAR38122CW	240V AC	18W	>0.85	1920	35	Bridgelux	6000 (CW)	Yes
PAR38122WW	240V AC	18W	>0.85	1890	35	Bridgelux	3200 (WW)	Yes
PAR3072CW	240V AC	10W	>0.85	810	35	Bridgelux	6000 (CW)	Yes
PAR3072WW	240V AC	10W	>0.85	790	35	Bridgelux	3200 (WW)	Yes



PAR38122

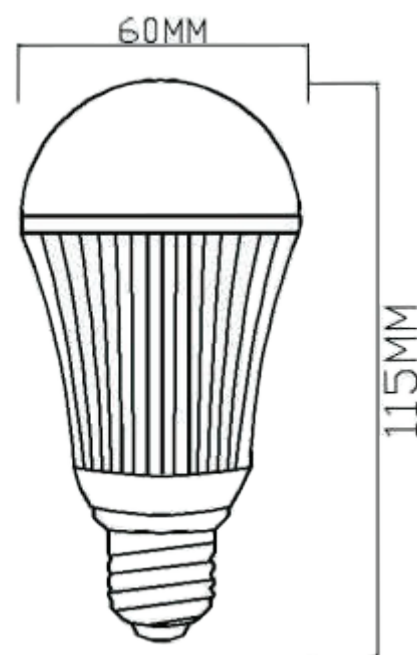
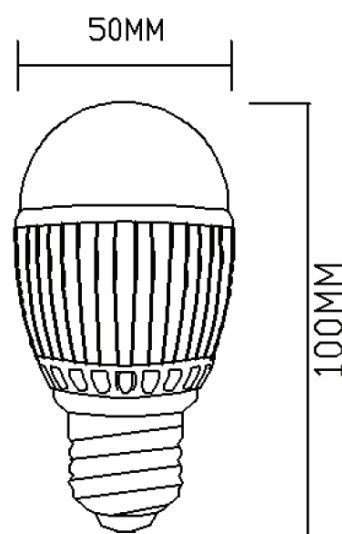


PAR3072

## 4W - 6W LIGHT GLOBES

GLX series LED lamps are designed to replace conventional lamps in a range of commercial and domestic lighting applications providing savings of up to 80% of the original power consumption.

Product Code	Voltage (V)	Wattage (W)	Power Factor (Pf)	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp	Dimmable
GLX104CW	240V AC	4W	>0.85	380	160	Bridgelux	6000 (CW)	Yes
GLX104WW	240V AC	4W	>0.85	360	160	Bridgelux	3200 (WW)	Yes
GLX126CW	240V AC	6W	>0.85	560	160	Bridgelux	6000 (CW)	Yes
GLX126WW	240V AC	6W	>0.85	530	160	Bridgelux	3200 (WW)	Yes

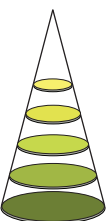




# 10W - 18W LIGHT GLOBES

GLX series LED lamps are designed to replace conventional lamps in a range of commercial and domestic lighting applications providing savings of up to 80% of the original power consumption.

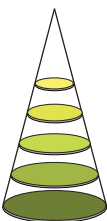
Product Code	Voltage (V)	Wattage (W)	Power Factor (Pf)	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp	Dimmable
GLX110CW	240V AC	10W	>0.85	920	145	Bridgelux	6000 (CW)	Yes
GLX110WW	240V AC	10W	>0.85	890	145	Bridgelux	3200 (WW)	Yes
GLX118CW	240V AC	18W	>0.85	1620	145	Bridgelux	6000 (CW)	Yes
GLX118WW	240V AC	18W	>0.85	1590	145	Bridgelux	3200 (WW)	Yes



BEAM ANGLE 145 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	18.4	6.34
1.5	8.2	5.91
2	4.6	12.68
2.5	2.9	15.85
3	2	19.02



GLX110



BEAM ANGLE 145 DEG		
Distance (M)	Avg/Max (lux)	Diameter (M)
1	33	6.34
1.5	16.8	5.91
2	9.7	12.68
2.5	4.2	15.85
3	3.1	19.02

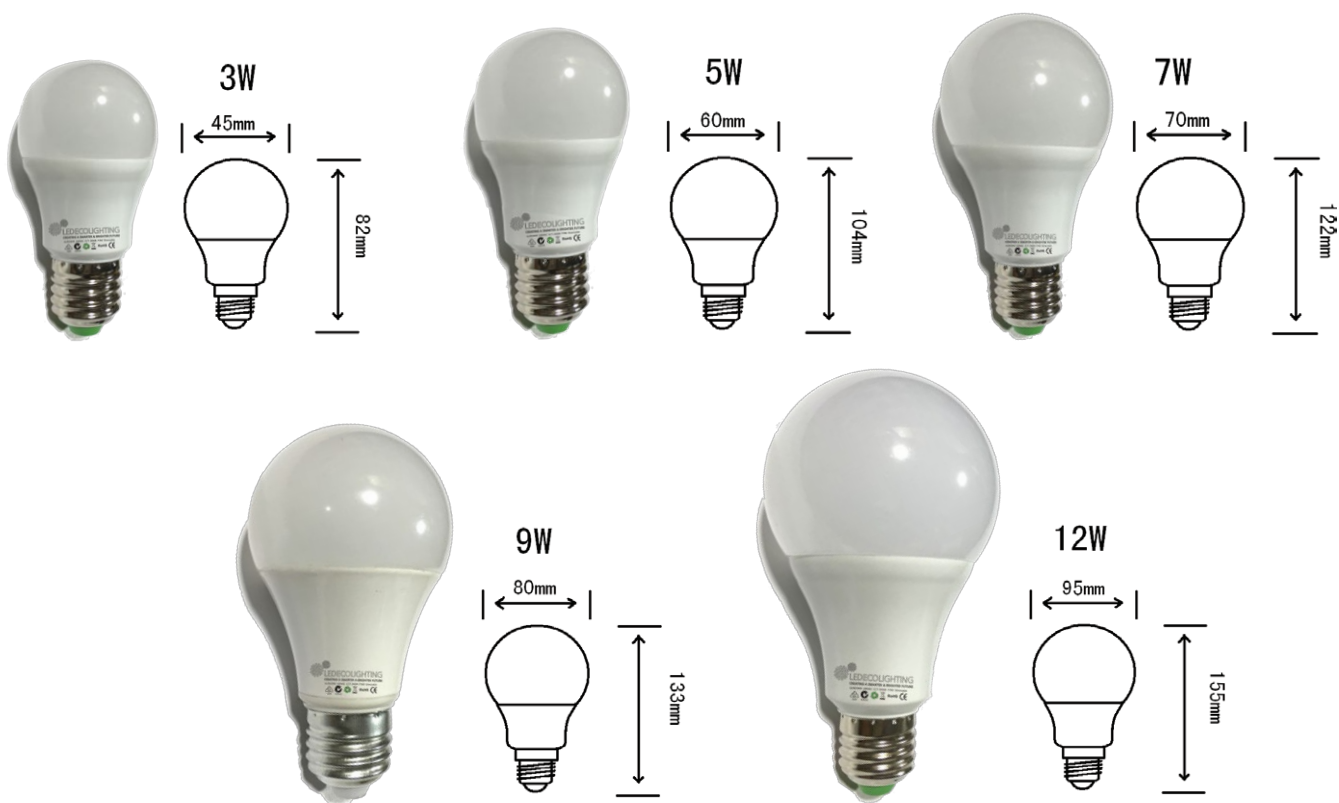


GLX118

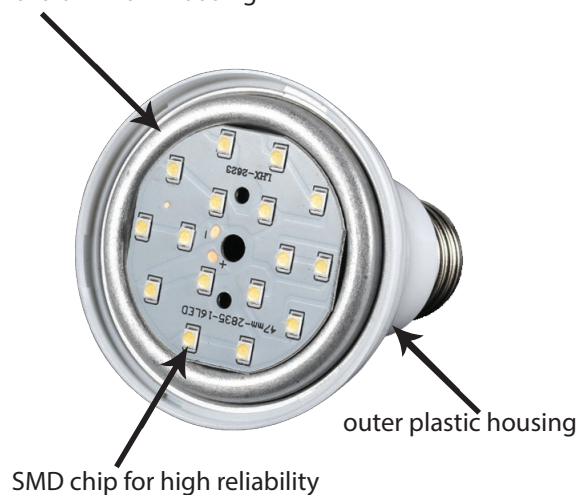
## PLASTIC GLOBES

LED plastic globes are ideal for a range of general purpose lighting applications. Designed to replace conventional lamps in a range of domestic lighting applications while providing savings of up to 80% of the original power consumption.

Product Code	Voltage (V)	Wattage (W)	Power Factor (Pf)	Luminous Flux (Lm)	Beam Angle	CRI	Colour Temp	Dimmable
GL3	240V AC	3W	>0.85	345	180	>80	3000K/6000K	Yes
GL5	240V AC	5W	>0.85	535	180	>80	3000K/6000K	Yes
GL7	240V AC	7W	>0.85	630	180	>80	3000K/6000K	Yes
GL9	240V AC	9W	>0.85	810	180	>80	3000K/6000K	Yes
GL12	240V AC	12W	>0.85	1080	180	>80	3000K/6000K	Yes



internal aluminium housing

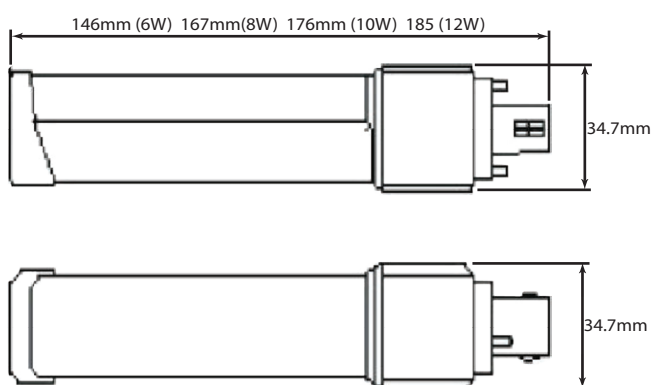


BASE TYPE

# LED CFL REPLACEMENT LAMP

LED CFL replacement lamps are ideal for replacing CFL lamps in commercial downlight fittings and also many domestic applications where CFL style lamps are used. They don't contain mercury so are safe to use and also give a higher quality light output, long life and will further reduce power consumption compared to fluorescent CFL lamps.

Product Code	Voltage (V)	Wattage (W)	Base Type	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp	Dimmable
PL6G24	240V AC	6W	G24	545	120	Bridgelux	3200-6000K	No
PL8G24	240V AC	8W	G24	790	120	Bridgelux	3200-6000K	No
PL10G24	240V AC	10W	G24	990	120	Bridgelux	3200-6000K	No
PL12G24	240V AC	12W	G24	1180	120	Bridgelux	3200-6000K	No





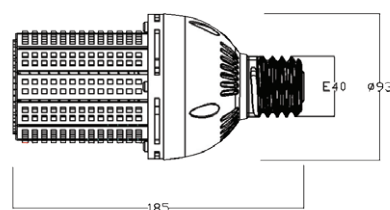
# CORN LAMPS

LED corn lamps are the ideal replacement for mercury vapour, metal halide and CFL lamps in highbays or street light fittings. With a lumen output 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), 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.

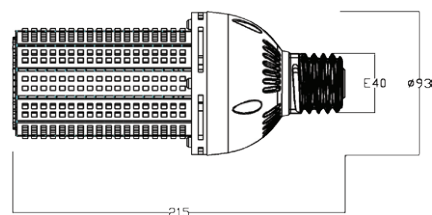
Product Code	Voltage (V)	Wattage (W)	CRI	Luminous Flux (Lm)	Beam Angle	Chip Type	Colour Temp	Dimmable
C20	240V AC	20W	>80	2600	360	EPISTAR SMD	3000-6000K	No
C30	240V AC	30W	>80	3900	360	EPISTAR SMD	3000-6000K	No
C40	240V AC	40W	>80	5200	360	EPISTAR SMD	3000-6000K	No
C60	240V AC	60W	>80	7800	360	EPISTAR SMD	3000-6000K	No



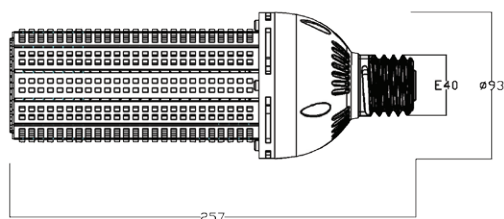
C20



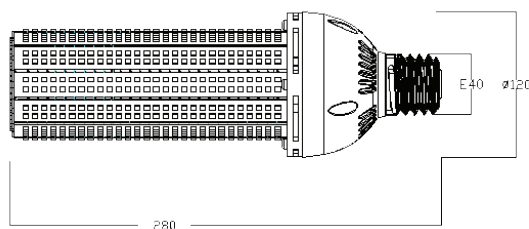
C30



C40



C60



## 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	Dimensions	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



# WATERPROOF LED BATTEN FITTINGS

This range of waterproof LED batten fittings are ideal for use outdoors in high impact or vandal resistant areas and are specifically designed to take LED tubes. There is no need to do any wiring modifications to standard fluoro 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	IP Rating	Dimensions	Pre wired for LED tubes
WP118	240V AC	T8-600-9W	1	IP65	66 x 10.5 x 11	Yes
WP136	240V AC	T8-1200-18W	1	IP65	127.5 x 10.5 x 11	Yes
WP218	240V AC	T8-600-9W	2	IP65	66 x 15 x 11	Yes
WP236	240V AC	T8-1200-18W	2	IP65	127.5 x 15 x 11	Yes





# COMMERCIAL LED BATTEN LIGHT FITTINGS

This range of architecturally designed LED batten fitting are specifically designed to take LED tubes so there is no need to do any wiring modifications to standard fluoro 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	Dimensions	Pre wired for LED tubes
DBS218	240V AC	T8-600-9W	2	63.2 x 17.6 x 7	Yes
DBS236	240V AC	T8-1200-18W	2	124.2x 17.6 x 7	Yes
SRS136	240V AC	T8-1200-18W	1	123.2 x 28.5 x 9	Yes
SR236	240V AC	T8-1200-18W	2	124.7 x 23.5 x 6.5	Yes
SQ236	240V AC	T8-1200-18W	2	128.4 x 29 x 6	Yes



# LED TROFFER LIGHT FITTINGS

This range of recessed commercial LED fittings is specifically designed to take LED tubes so there is no need to do any wiring modifications to standard fluorescent fittings. Simply install the fitting with the LED tubes. These troffers also come complete with flex and plug to make installation even easier.

Product Code	Voltage (V)	Recommended LED tube	No. Tubes Required	Dimensions	Pre wired for LED tubes
DTR209	240V AC	T8-600-9W	2	595 x 595 x 89	Yes
DTR309	240V AC	T8-600-9W	3	595 x 595 x 89	Yes
DTR409	240V AC	T8-600-9W	4	595 x 595 x 89	Yes
DTR218	240V AC	T8-1200-18W	2	1195 x 295 x 89	Yes
DTR318	240V AC	T8-1200-18W	3	1195 x 595 x 89	Yes
DTR418	240V AC	T8-1200-18W	4	1195 x 595 x 89	Yes
LTR209	240V AC	T8-600-9W	2	595 x 595 x 89	Yes
LTR309	240V AC	T8-600-9W	3	595 x 595 x 89	Yes
LTR409	240V AC	T8-600-9W	4	595 x 595 x 89	Yes
LTR218	240V AC	T8-1200-18W	2	1195 x 295 x 89	Yes
LTR318	240V AC	T8-1200-18W	3	1195 x 595 x 89	Yes
LTR418	240V AC	T8-1200-18W	4	1195 x 595 x 89	Yes





# CLEAN & environmentally friendly for a healthier life

**Long life performance :** Up to 100,000 hours. No electrode or filament will be damaged, therefore no maintenance cost & minimises re-lamping costs.

**Superior energy saving :** Under the same brightness, reduces electricity costs by up to 70%, when compared to incandescent light bulb, HID lamp & fluorescent lamps respectively.

**Low heat generating:** Operating temperature below 80°C

**Various choices of colour temperature:** 2100k, 2700k, 3500k, 4000k, 5000k, 6500k.

**Low lumen depreciation rate:** <-7 % at 2000 hours, 30% at 100,000 hours.

**High power factor Ballast :**  $Pf > .98$

**Instant on/off & Restrike:** No waiting time to start & re-strike.

**No flicker:** High frequency operation(230kHz)creates a comfortable light source for users to reduce eye strain & stress, no glare.

**Environmentally friendly :** Amalgam (solid state of mercury) contains <0.25mg

**Wide voltage range:** With input voltage fluctuates up to  $\pm 10\%$ , output wattage deviates within 3%

**Low Total harmonic distortion (THD):** <7%, certified by International Class C standard

**Electromagnetic compatibility (EMC):** Meets all international standards including TUV, FCC, CE, UL & CCC

**Ambient temperature effects :** With the introduction of the lamps amalgam filled technology and heat conduction rod in the centre creates a stable light output over a wide range of ambient temperatures, maintaining at least 85% of the nominal lumen output from  $-34^{\circ}\text{C}$  to  $55^{\circ}\text{C}$ .



## Induction Lamps are Liquid Mercury Free

The use of AMALGAM in manufacturing the full series of induction lamps makes all products FREE from liquid mercury. By adopting this liquid mercury free policy, we are able to minimise the environmental impact at different stages of the product life cycle. This would protect the workers during production and transportation, but also the end-users upon usage and disposal from exposure to liquid mercury.

### What is Amalgam

Amalgam is an alloy of mercury combined with other metals. It stays in a stable solid form under room temperature. It is eco-friendly and a safer alternative to liquid mercury because mercury vapor would not be released until it reaches around 100°C under air pressure.

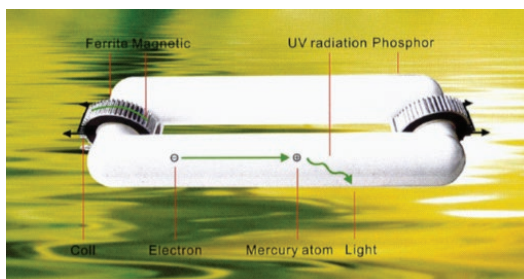
### Why Amalgam is More ECO-Friendly

At room temperature, the mercury inside the Amalgam is concealed in the metal alloy and would not cause leakage even if the lamp breaks. Amalgam will not pose a health hazard to humans and pollute the environment. The use of Amalgam also makes the lamp easier and safer to handle on disposal. Furthermore, it would not lead to land and water contamination even if the lamps were not properly recycled.

### About Mercury

Technological advancements have enabled modern Induction lamps to deliver excellent lighting performance along with Amalgam at minimal mercury levels (less than 5mg). In the solid form, the mercury inside Amalgam can be collected, recycled and reused more efficiently. Since Amalgam will not release mercury vapor when it is exposed under room temperature, there would not be any harmful hazards to humans or the environment.

Mercury is considered to be a natural toxic chemical element that poses health hazards to human beings and damages the environment. Liquid mercury poses potential danger in cases of lamp breakage, in comparison to Amalgam. Liquid Mercury Free manufacturing is popular for manufacturing induction lamps. This process is used by socially and environmentally responsible manufacturers.



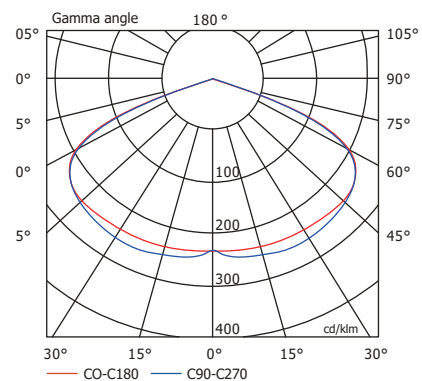
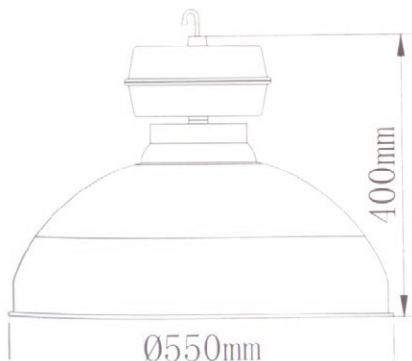
# INDUCTION HIGHBAYS

This induction high bay light fitting complete with aluminium reflector and poly carbonate safety cover makes this ideal for warehouses, workshops, factories and commercial food preparation areas. Supplied with safety hook, safety cable and 1m flex and plug make it very easy to install or replace those old fashioned high bay lighting products and a 5 year warranty makes it unbeatable value. Combined with the high light output and low power consumption, the introduction of Amalgam with 100,000 hour life span makes our induction products environmentally friendly offering significant power and maintenance cost savings over the life span.

Product Code	Voltage (V)	Wattage (W)	CRI	IP Rating	Luminous Flux (Lm)	Power Factor	Weight (Kg)	Life Span	Ambient Temp Range
I80HB	240V AC	80W	>80	IP65	6800	> 0.95	2700-5000K	100,000h	-35°C~+50°C
I150HB	240V AC	150W	>80	IP65	12750	> 0.95	2700-5000K	100,000h	-35°C~+50°C
I200HB	240V AC	200W	>80	IP65	17000	> 0.95	2700-5000K	100,000h	-35°C~+50°C
I250HB	240V AC	250W	>80	IP65	21250	> 0.95	2700-5000K	100,000h	-35°C~+50°C
I300HB	240V AC	300W	>80	IP65	25500	> 0.95	2700-5000K	100,000h	-35°C~+50°C



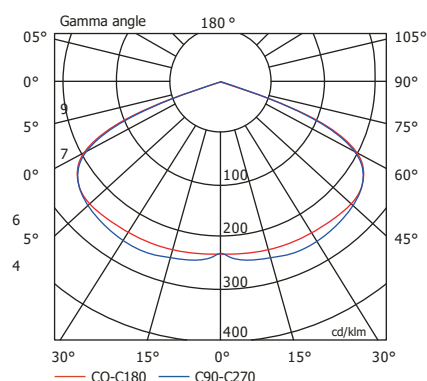
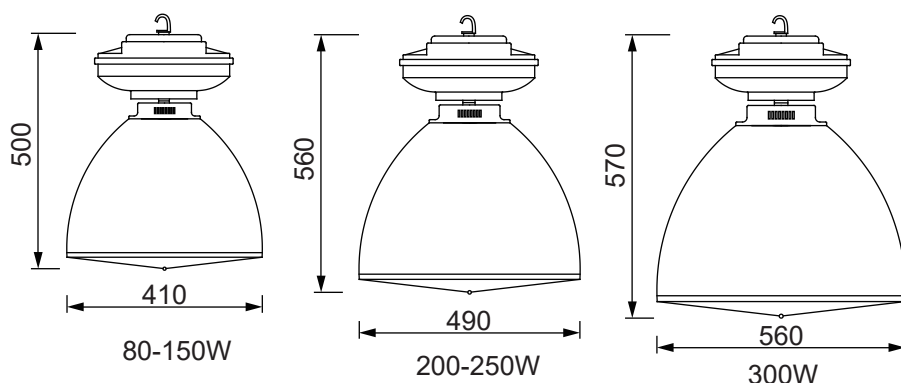
## DIMENSION



## PRISMATIC INDUCTION HIGHBAYS

This induction high bay light fitting complete with high impact tempered poly carbonate cover and safety cover make a very stylish high bay product. It can be used in shopping centres, food courts and food preparation areas. Supplied with safety hook, safety cable and 1m flex and plug make it very easy to install or replace those old fashioned high bay lighting products along with a 5 year warranty makes it unbeatable value. Combined with the high light output and low power consumption, the introduction of Amalgam with 100,000 hour life span makes our induction products environmentally friendly offering significant power and maintenance cost savings over the life span.

Product Code	Voltage (V)	Wattage (W)		IP Rating	Luminous Flux (Lm)	Power Factor	Weight (Kg)	Life Span	Ambient Temp Range
I80HBP	240V AC	80W	>80	IP65	6800	> 0.95	2700-5000K	100,000h	-35°C~+50°C
I150HBP	240V AC	150W	>80	IP65	12750	> 0.95	2700-5000K	100,000h	-35°C~+50°C
I200HBP	240V AC	200W	>80	IP65	17000	> 0.95	2700-5000K	100,000h	-35°C~+50°C
I250HBP	240V AC	250W	>80	IP65	21250	> 0.95	2700-5000K	100,000h	-35°C~+50°C
I300HBP	240V AC	300W	>80	IP65	25500	> 0.95	2700-5000K	100,000h	-35°C~+50°C





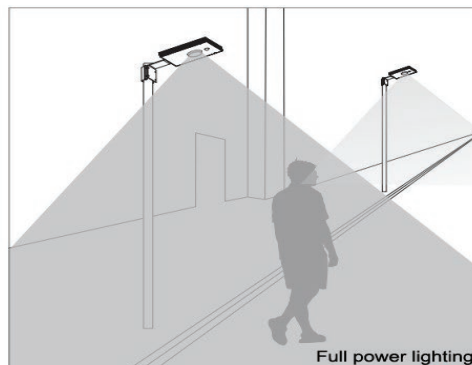
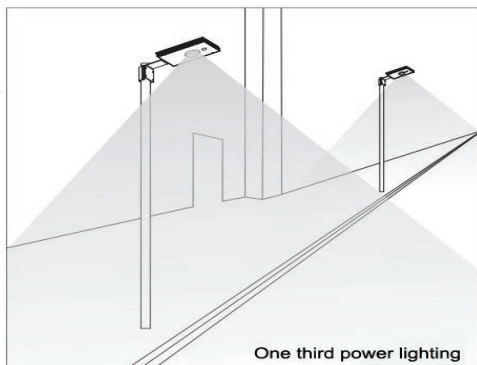
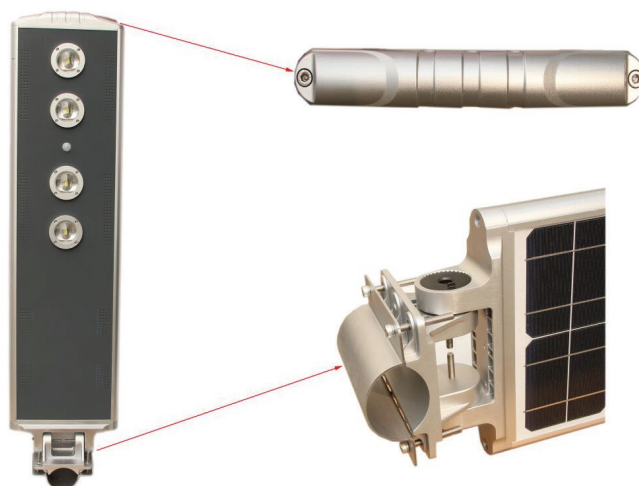
# SOLAR LED STREET LIGHTS

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.

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SOLAR POWERED LIGHTING

1. Material: Die casting aluminum+ Aluminum Alloy
2. Solar Panel: 18V 6W  
(Monocrystalline silicon solar cell)
3. Led Lamp Power: LG Chip 6-30W
4. Battery: Lithium LiFePO4 battery 12.8V 10Ah
5. Lamp angle adjustment , 30°~150°
6. Install height: 4-5M
7. Lumen: 600 - 2800 LM
8. Charge time: 6 hours
9. Discharge time: Full power : 10 hours  
Saving model : 2 rainy days
12. Frame color : blue, grey or customized
13. LED light source type : SMD

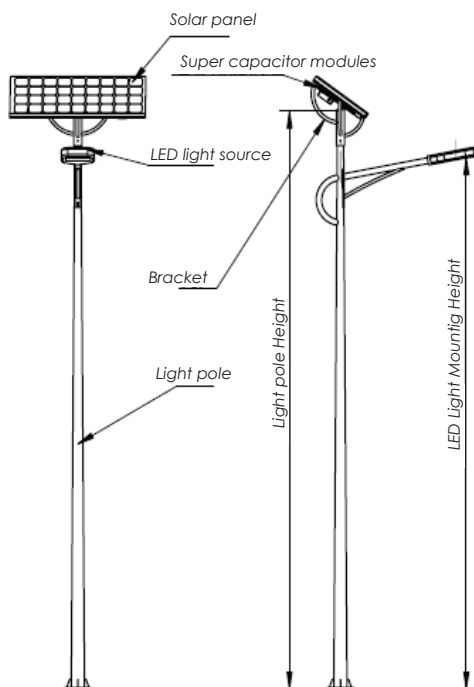


# SOLAR LED STREET LIGHTS

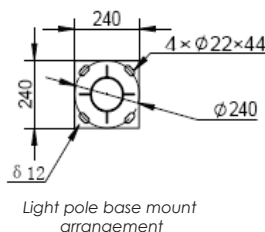
Latest technology in solar powered LED Street lighting eliminates the need for a battery to store the power, instead it uses the latest technology in super capacitor design to power the LED street light. This has many advantages over conventional solar power lighting such as a 50 year super capacitor life span, maintenance free, chemical free 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 s
- 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



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



## 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 efficiency >95%



## Intelligent Controller

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



## Super Capacitor Box

- Waterproof
- Easy installation



## Advantages of Super Capacitors:

- High Working Temperature -40°C~60°C, 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.

# 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 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





# 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

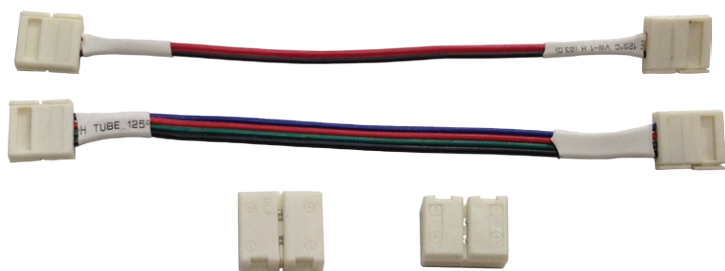
## Features:

- 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



# LED ACCESSORIES

We carry a 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 plug



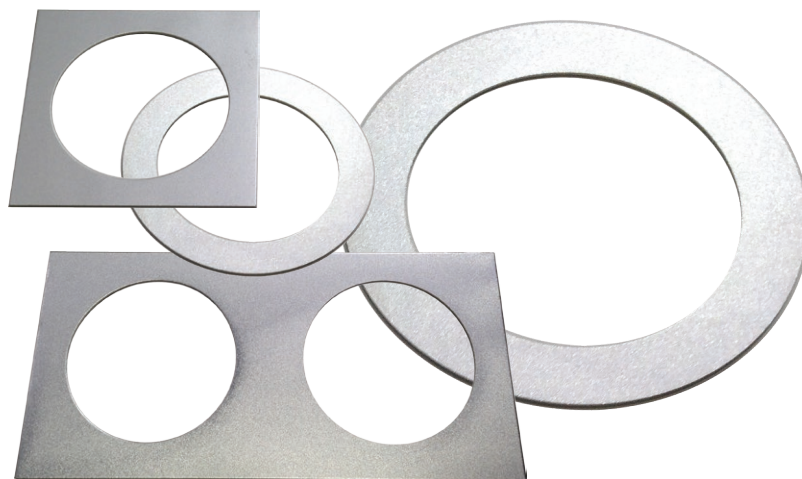
Cable glands



Stainless steel wire suspension kit



240V power cables



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



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