

Life  
IN  
Light

MEGAMAN®

11

## The Low Energy Lighting Catalogue



# Welcome to Megaman

**Established in 1994, MEGAMAN** is one of the world's leading manufacturers of energy saving lamps. We are known internationally for our innovative low energy products using Compact Fluorescent (CFL) and Light Emitting Diode (LED) technology.

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**Scan to watch our  
No Nasty Emissions Video  
on your Smartphone**

We want to tell everyone that our lighting products are perfectly safe and environmentally friendly. Unlike many competitive products, they have no unpleasant emissions or radiation, contain no toxic substances and represent no health hazards to users or during recycling.



All information stated is correct at the time of printing and subject to change without prior notice.

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September 2011



MEGAMAN offers one of the widest ranges of low energy lighting solutions available anywhere in the world, with our Ingenium® technology and small size the lamps are easy and fast to install. Our high quality products are perfect eco-replacements for traditional incandescent, halogen and metal halide lamps. Our lamps are specified in low energy building projects around the world, and our extensive research and development facilities ensure that a continuous supply of new, exciting, energy saving innovations come to market every year.

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The Low Energy Lighting Catalogue

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# Who are we?

## Reducing carbon emissions and improving energy efficiency

MEGAMAN is committed to our environmental responsibilities and to the sustainable development of each and every one of our products. We incorporate our environmental policy into every stage of the product life cycle, including research and development, design, manufacturing, packaging, disposal and recycling, through a 'Design for Environment' programme.

Our advanced research and development facilities support the progress of our lamp production from initial conception through to final testing and quality control. As an industry first, our factories are powered from our own hydro-electric plant, ensuring that our stringent environmental policies apply to both our products and our processes. Our manufacturing process is **liquid mercury free**. The use of amalgam in all Megaman CFL products since January 2008 has reduced the environmental impact of all our processes. These measures ensure that we continue to deliver innovative, reliable and safe products both now and into the future.

## Rigorous Quality and Management Systems

To ensure that MEGAMAN products comply with the highest quality standards, the Megaman manufacturing plants are equipped with state of the art assembly lines. Our in-house laboratory is ISO 17025 certified by CNAS and NVLAP, and it is eligible to perform on-site testing for UL, SEMKO and TUV marks.

Our international recognitions, namely ISO 9001:2000, ISO 14001:2004, ISO 14064-1:2006, OHSAS 18001: 1999, SA 8000:2001 and QC 080000:2005, ensure that we run our business under the most stringent management and quality systems, while taking account of the many 'green' elements in our operations. These international accreditations also demonstrate our care for the welfare of our employees; and our pledge to be socially responsible to the communities in which we operate.



CNAS



NVLAP



ISO 9001



ISO 14001



ISO14064



OHSAS 18001



SA 8000



QC080000

MEGAMAN®



## Product Quality Assurance

MEGAMAN lamps are a symbol of eminence, achieved through the use of premium quality materials, innovative technologies and stringent control measures on product safety and performance, including energy saving standards.



## All Megaman lamps are RoHS compliant



- **Lead free glass tubes** are used to create a more eco-friendly product.
- **Silicone protection** ensures broken glass and amalgam is contained if the lamp is broken prior to and during disposal and recycling.
- **Water-based adhesive** replaces glue and prevents the release of toxic substances during lamp operation.
- **Recyclable plastic** is used in our lamps to conserve scarce resources and reduce the burden on landfills.

## WEEELite Compliance Scheme

Megaman are delighted to be both a founding partner and member of WEEELite, an established producer compliance scheme designed to offer real choice in the recycling market, providing sustainable processes at a sensible price.

The introduction of the UK's WEEE legislation in January 2007 placed the obligation on producers of all electrical and electronic items to ensure environmentally sound disposal of their items when they become waste. In response to this, Megaman UK Ltd joined forces with WEEE recycler Weeeco to address the environmental performance and cost effectiveness of WEEE compliance in the UK.

WEEELite provides producers with the opportunity to join a scheme that demonstrates environmental sustainability, corporate social responsibility and cost effectiveness for both producers and end users.

The scheme has been successful in attracting companies from a broad spectrum of electronics industry producers, with a significant proportion in lighting equipment and refrigeration. In 2009 it was responsible for diverting over 1 million low energy light bulbs, 45 thousand fridges and a further 1000 tonnes of other electronic items from land fill.

**Join the Weelite scheme and we can guarantee to save you money from your first year! For more information about the scheme, visit [www.weeelite.co.uk](http://www.weeelite.co.uk) or telephone on 0191 423 6232.**



Products covered by the scheme include:

- Large household appliances
- Small household appliances
- IT and telecommunications equipment
- Consumer equipment
- Lighting equipment
- Electrical and electronic tools
- Toys, leisure and sports equipment
- Monitoring and control instruments
- Automatic dispensers



## Megaman® leads the way in low energy lighting technology, with a number of innovative breakthroughs and unique designs.



### POWERLENS

This technology amplifies luminous intensity by 20% and creates a more concentrated light cone for our reflector series. It allows 80% or more light output within an angle of 120 degrees, complying with EU regulations (EC244/2009)



### INGENIUM

Internal electronic technology which prolongs lamp life up to 15,000 hours, extends switching cycles up to 600,000 times and delivers a precise preheating time of under 1 second.



### DIMMERABLE

Our unique DIMMERABLE lamps offer the choice of full light output or dimmed, mood-sensitive illumination. Compatible with a wide range of electronic dimming systems. (See our website for approved manufacturers)



### SENSOR LIGHT

Equipped with an ingenious internal infra red sensor, the Megaman Sensor Light automatically lights up at nightfall and turns off at daybreak. Great for external security or garden lighting applications.

## Lamps that are Liquid Mercury Free

### Benefits of using Amalgam

- **Completely safe**, you can touch, handle, transport and store lamps in the knowledge that they are risk free to both you and the environment.
- **Prevents the release** of toxic mercury during the manufacturing process.
- **Even if the lamp is broken** no mercury can be released.
- **Reduces environmental pollution** during use and when recycled. Allows for excellent lumen maintenance and increased lamp efficacy.



## Unique Product Features



### Liquid Mercury Free

- Megaman® uses Amalgam in all of its lamps, offering a safer, more eco-friendly alternative to liquid mercury.



### Plastic Lamp Base

- High-heat resistant ABS with copper & nickel plating.
- Recyclable, no PBB / PBDE.
- Prevents rust.
- No soldering or stainless steel.



### Mechanical "Snap-in" Method

- Components are fitted together simply & firmly.
- Speeds up production process and makes recycling easier.



### Unique Cooling Tube

- Houses Amalgam and acts as a light output regulator.
- Ensures Amalgam vaporises when hot to cool down the lamp and guarantee 100% light output at all times.



### Water-based Sealants

- To prevent emission of odour during production, water-based sealants are used instead of glue.
- No toxic gas is released when lamp is in operation.



### Lead-free soldering & Glass Tubes

- Eliminate harmful soldering at contact point of lamp base.
- Lead-free glass tubes eliminate contamination upon disposal of lamp.



### Silicone Sleeve

- Rids the use of acids for producing frosted finishing on glass covers.
- Confines mercury & shattered glass if lamp is accidentally broken.



### All-round Illumination

- Megaman's Classic and Candle series have been carefully designed with translucent housing to deliver all-round illumination.

With our patented LED design and Thermal Conductive Highway™ (TCH) technology, the MEGAMAN® LED lamp is able to deliver superior performance, including low power consumption, excellent light output and low maintenance costs. It provides measurably better quality lighting performance than any other competitive LED based product consuming the same power!

Opening a new era in LED lighting solutions

## Unique Features

- Perfect alternative to traditional incandescent, halogen and metal halide lamps
- High colour rendering up to Ra94
- High colour temperature consistency: tolerance is only +/-100K
- High luminous maintenance: up to 70% initial lumen can be achieved even at the end of lamp life
- Long lamp life up to 50,000 hours
- Up to 80% energy savings
- Emit up to one third of the heat of traditional light sources
- Negligible UV and IR radiation
- Colour temperature options of Warm White and Cool White
- Options of different beam angles for LED Reflector Series

## Additional Benefits

- Mercury-free
- Instant start-up
- Wide range of operating temperatures (-30°C to +40°C)

## Applications

- Boutiques and Shops
- Shopping Centres
- Hotels
- Restaurants
- Lounges
- Museums
- Galleries
- Offices
- Homes

## MEGAMAN® Philosophy on Reflector Design and Thermal Conductive Highway™

Different from the common lens-style LED lamps in the market, MEGAMAN® has made use of a reflector design and employed Thermal Conductive Highway™ (TCH) technology that offers the most efficient LED lighting solution with the benefits of efficient heat dissipation, better beam control and excellent optical efficiency as well as low glare lighting.



## Optimum Thermal Control

MEGAMAN® patented TCH technology uses a unique design of heat drain across the reflector that allows the LEDs to dissipate heat efficiently via the heat sink and prevents deterioration of the LED multi-chip array and other components. The technology also gives the lamps a longer life with high lumen maintenance, resulting in up to 70% of initial lumens being available even at the end of lamp life.

## Deliver Comfortable Lighting

The unique approach that MEGAMAN® takes with axial LED geometry facilitates the use of reflectors with all the associated advantages of precise beam control and allows lumens to be where they are wanted with less glare.

## Excellent Optical Efficiency

The technology of using reflectors for light sources is mature and widely used because of the technology's extremely high optical efficiency of up to 98%. Due to this high optical efficiency, energy loss is minimised, creating a very effective energy saving solution.

## True Replacement of Traditional Lamps

A reflector can spread a predefined portion of illumination from a light source to deliver the designed light distribution. The use of reflectors also dramatically reduces the amount of light spillage from outside the designated beam angle. LED spotlights with reflectors are more aesthetically pleasing and conform to the expected appearance of a spotlight.



## R9 Technology

The **MEGAMAN® LED R9 series** maximises the visual impact of meat, fresh fruit and vegetables by increasing the product's red colour rendition. Thanks to the MEGAMAN® innovative design and patented technology, these lamps offer retailers a high quality lighting intensity and superb performance, and are the best alternative to traditional halogen and metal halide lamps.

Standard LED lamp



LED R9 lamp



When we determine the general colour rendering index (Ra), the first eight colours in the Test Colour Sample (TCS; see Figure 1) defined in accordance with DIN 6169 are employed for the calculation. In addition to these eight colours (R1 to R8), there are another six colours (R9 to R14) that are more vivid and known as "saturated" colours.

The MEGAMAN® LED R9 lamp not only has a high red colour rendition (R9) value of  $\geq 75$ , but it also has a high value of the other "saturated" colours (R10 to R14), which allows the beautiful red of an object to be revealed and creates well-balanced and high quality lighting. The MEGAMAN® LED R9 series is perfect for food and other display lighting applications where a sense of freshness and the richness of red colours are needed.

TSC	Appearance under daylight	Sample
R1	Light greyish red	
R2	Dark greyish yellow	
R3	Strong yellow green	
R4	Moderate yellowish green	
R5	Light bluish green	
R6	Light blue	
R7	Light violet	
R8	Light reddish purple	
R9	Strong red	
R10	Strong yellow	
R11	Strong green	
R12	Strong blue	
R13	Light yellowish pink	
R14	Moderate olive green	

Figure 1 Test Colour Sample

## Our LED Dimming Series comes in three forms:



**DIMMERABLE®**

### Linear Dimming (100% to 10%) – using standard Dimmer Switches

This provides a smooth dimming experience similar to that obtained with traditional incandescent and halogen lamps connected to a leading edge dimmer.

To dim, turn the knob to achieve the required brightness level from 100% to 10%.

Please visit [www.megamanuk.com](http://www.megamanuk.com) for the list of compatible dimmers.



Linear Dimming  
100% 10%  
Dims on Dimmer Switches



### 4-Step Dimming – using standard ON/OFF Light Switches

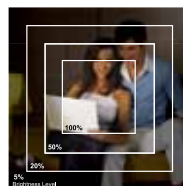
This concept provides convenient, hassle-free instant dimming using a standard on/off light switch.

You can easily and economically create an assortment of stunning ambient lighting schemes with DorS DIMMING technology.

Switch the lamp on. To dim, switch the lamp off and then on again within 3 seconds. Repeat to dim the lamp to the desired level (100%, 50% 20%, 5% and back to 100%).



4-Step Dimming  
100% 50% 20% 5%  
Dims on Regular Switches



### Linear Dimming (100% to 1%) - using DC1-10V Dimming Driver and DC1-10V Dimmer

Linear Dimming facilitates a smooth dimming experience comparable to traditional lamp sources.

The brightness level can be seamlessly dimmed from 100% down to 1% when the lamp is connected to a DC1-10V dimming driver and DC1-10V dimmer.



MEGAMAN® offers a FREE state-of-the-art lighting design program to help you design various indoor and outdoor lighting schemes.

## Relux

### MEGAMAN® RELUX

**The Relux program** includes an electronic catalogue with data sheets, product search function and specifications for management of luminaires and lamps. Photometric data is also included to provide comprehensive results when configuring lighting arrangements. The latest photometric data can also be found on our website.

## DIALux

### DIALux for MEGAMAN®

**DIALux is a free** and complete lighting software for professional light planning. Used by thousands of light planners and designers worldwide, the software allows you to plan creatively and supports you in complying with the respective national and international regulations. Now, MEGAMAN® Plugins/Catalogues are also available for download. You can take full advantage of this advanced software to create your own superb lighting scenes enabled by MEGAMAN® lighting products.

## OxyTech

### MEGAMAN® OXYTECH

**The MEGAMAN® Software for Lighting Design – MEGAMAN® OXYTECH** – includes an electronic catalogue with data sheets, product search and specifications management of luminaires and lamps. Modules to manage the catalogue together with the photometric databases are also included to provide a comprehensive result for lighting configuration.





## Our Business Development Managers

**(BDMs)** have years of expertise in energy management. They have been specifically trained to offer customers excellent technical advice to ensure that maximum energy savings are achieved. Cost of ownership for each project along with annual electricity/CO2 savings will be provided.

Our BDMs will also offer free on site surveys tailored to each project, advice on changes in regulations and if required, full project management from the initial survey to the design and installation.

**To find your local Business Development Manager please contact the Megaman sales team on 0845 408 4625**

**FREE on site** surveys specifically tailored for each client.

**Annual electricity** and CO2 savings for each application along with a detailed cost of ownership breakdown.

**Lighting designs** using the Relux software for both new build and retro-fit areas allowing our clients to realise the potential that Megaman® lighting can offer through clear and precise information.

**Technical product** advice and suggestions to ensure that the correct lighting solutions are selected for each client's requirements.

**Recommendations** on how to reduce energy consumption and save on energy bills.

**Help** in lowering carbon emissions to meet Government targets and fulfil ISO accreditations.

**Advice** on changes in regulations.

**Guidance** on new lamp and lighting technologies.

**Project management** from site surveys through to the design and installation stages of each application.

**Megaman's GU10 and Spiral energy saving lamps** are being used for a variety of applications at the four-star Park Inn Hotel at London's Heathrow, part of the Rezidor Hotel Group. The use of Megaman Lamps has enabled the Park Inn to maintain its energy saving ethos whilst retaining the aesthetics of the interior décor.

Megaman's 11W GU10 lamps have been incorporated in existing fittings in guest bedrooms to provide a longer lamp life and reduce maintenance time and conversion costs.

MEGAMAN®

# LED Series

We were the first manufacturer to offer the lighting industry a viable LED halogen replacement range, leading the way in the creation of innovative LED light sources using our unique reflector design and TCH technology.

Our LED's allow you to choose the right lighting effect whilst cutting maintenance costs, power consumption and reducing heat emissions.



All of our LED's come with a guaranteed performance warranty of 3 years

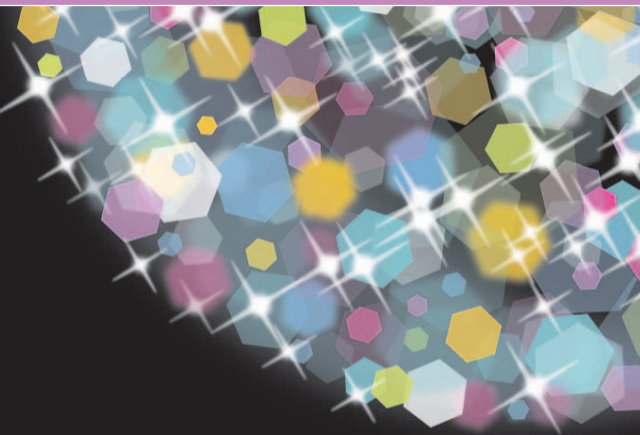
## Unique Features

- A true replacement for halogen lamps
- High colour rendering up to Ra94
- Colour temperature tolerance of only +/-100K
- Long lamp life up to 50,000 hours
- Up to 80% energy savings
- Options of narrow to wide flood beam angles
- Emits up to one third of the heat of traditional light sources
- Negligible UV and IR radiation
- Colour temperature options of 2800K and 4000K
- TCH Technology

LED Series

## Applications

Boutiques and Shops  
Shopping Centres  
Hotels  
Restaurants  
Lounges  
Museums  
Galleries  
Offices  
Homes



## Dimming LED lamps

Many Megaman lamps are suitable for dimming. Please consult our website for complete instructions on how to maximise the operation of your lamps

## Main Voltage LED's

Our lamps are designed for trailing edge dimmers but will work with some leading edge models, please consult individual dimmer manufacturers for guidance.

Please note: the loading requirements. DO NOT replace halogen or CFL lamps one for one with LED's. You have to de-rate the total power of the dimmer by 1/6th; for example a 400W dimmer can operate 8 x 8W GU10 dimming LED's.

## Low Voltage LED's

Our MR16 and AR111 lamps are designed for 1-10v operation and provide for a 100 to 10% smooth dimming range. They are fully compatible with Dali and DMX control systems.

For best results each lamp will require an individual dimming driver (note some manufacturers now offer multiple drivers). In addition a 1-10v dimmer controller is required, this can be a wall mounted module to retrofit an existing 240v dimmer wall plate or an electronic scene setter from a reputable manufacturer such as Lutron, Mode, Rako. Please consult the manufacturer for loading and operation advice.

Please note: a standard 240v wall plate dimmer will not operate a 1-10v driver.

Overloading the lamps or using a non approved unit may cause flicker and terminal damage to the electronics within the lamp.



## Lumen Maintenance

Megaman have in the past calculated our LED rated life based on the lamps lumen maintenance at 90% of full brightness. However to ensure that our product data is comparable within the market place we have now based all rated life calculations on the lumen maintenance at 70% like all of our major competitors.

We now calculate our LED rated life of 50,000 hours at a lumen depreciation of 70% even though the majority of Megaman LED lamps only depreciate by 10% at a rated life of 25,000 hours.

For a full breakdown of our LED lumen depreciation data please contact our sales office on [sales@megamanuk.com](mailto:sales@megamanuk.com).

Operating Hours (h)	Luminous Flux (% of initial value)
100	100
10,000	97
20,000	94
30,000	90
40,000	85
50,000	70



ER0510-50H36D

## 10W MR16 Smooth Dimming 20V

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141962	GU5.3	50	82	123	2800 / 82
141927	GU5.3	50	82	123	4000 / 85

<b>10</b> watt	<b>1200cd</b>	<b>50,000</b> hours	Beam Angle <b>36°</b>	Standard Pack <b>1 (10)</b>
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Please only use with approved Megaman Driver and DC dimmer module.

Please refer to our website for compatible dimmers. [www.megamanuk.com](http://www.megamanuk.com)

Linear Dimming

100% 1%

Dimms on Dimmer Switches



LD0110x1V-C460

## Driver for 10W MR16

Order Code	Height (mm)	Width (mm)	Length (mm)	Weight (g)
141976	147	50	32	133

Power Factor <b>&gt;0.9</b>	<b>50,000</b> hours
-----------------------------	---------------------

## DC 1-10V Dimmer Module

Order Code
141060

DC dimming lamps will allow smooth dimming operation when used in conjunction with the Megaman dimming unit and must only be used with a DC 1-10V dimmer module. The dimmer module will operate 1 lamp minimum and up to as many as the cable diameter/run allows using IEC wiring guidelines. 1-10V Dimming allows more functionality and the dimmer module can be retrofitted in to a grid system or used in an existing wall plate.



ER0210-50H08D  
ER0110-50H24D  
ER0310-50H45D

## 10W AR111 G53 20V Smooth Dimming

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141341	G53	111	63	189	2800 / 82
141368	G53	111	63	189	4000 / 85
16000cd	8°				
141352	G53	111	63	180	2800 / 82
141390	G53	111	63	180	4000 / 85
3600cd	24°				
141373	G53	111	63	165	2800 / 82
141319	G53	111	63	165	4000 / 85
1400cd	45°				
10 watt	50,000 hours				
		Standard Pack 1 (24)			

Please only use with approved Megaman Driver.

Please refer to our website for compatible Dimmers. [www.megamanuk.com](http://www.megamanuk.com)

Dimming  
100% 10%  
Dims on Dimmer Switches



LD0310x1v-C500

## Driver for 10W Dimming AR111 20V

Convert 220-240V to DC20V

Works with DC1-10V dimmer - Dimming range 1-100%

Order Code	Height (mm)	Width (mm)	Length (mm)	Weight (g)
141382	147	50	32	133
Power Factor >0.9	50,000 hours			

**Due to technological developments** we can now offer our AR111 Lamp with the exact same light output but at a lower wattage. The Megaman 10W AR111 Dimming LED will now replace our 14W AR111 Dimming Lamp.

Old Code 14W	New Code 10W	Beam Angle	Colour Temp
141262	141341	8°	2800k
141226	141368	8°	4000k
141219	141352	24°	2800k
141258	141390	24°	4000k
141237	141373	45°	2800k
141275	141319	45°	4000k





LR01108d-50H35D

## 8W PAR16 Smooth Dimming

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141374	GU10	50	79	120	2800 / 80
141396	GU10	50	79	120	4000 / 82

<b>8</b> watt	900cd	<b>50,000</b> hours	Beam Angle <b>35°</b>	Standard Pack <b>1 (60)</b>
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Please refer to our website for compatible Dimmers. [www.megamanuk.com](http://www.megamanuk.com)

**Dimming**  
100% 10%  
Dims on Dimmer Switches



Don't forget Megaman's **EMERGENCY PACK!** Go to Page 50 for full details.



LG0408d

## 8W Classic Smooth Dimming

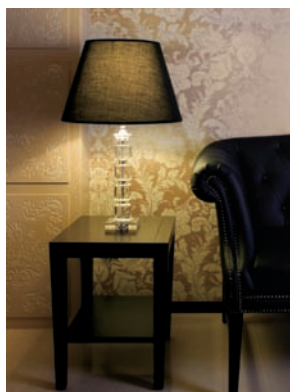
Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
148515	E27	60	123	99	2700 / 82
148546	B22	60	123	99	2700 / 82

<b>8</b> watt	800lm	<b>50,000</b> hours	Standard Pack <b>1 (60)</b>
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Please refer to our website for compatible Dimmers. [www.megamanuk.com](http://www.megamanuk.com)

**Dimming**  
100% 10%  
Dims on Dimmer Switches



## The new power of innovation offers optimised colour rendition LED lamps for lighting food displays



The new R9 innovation offers optimised colour rendition LED lighting for illuminating food displays.

The Megaman R9 series has been specifically designed to maximise the visual impact of meat, fresh fruit and vegetables by increasing the red colour rendition. These lamps offer the same high quality light intensity and colour rendering as traditional halogen and metal halide lamps, but in a safer, more controlled and energy efficient format.

R9

- High red colour rendition (R9) value of  $\geq 75$ .
- Maximum colour rendering of up to Ra94.
- Instant start - reaches the declared colour temp at the time of switching on, while metal halides deliver a greenish colour when starting up.
- Hot re-strike capability.
- Eliminates the risk of potential exposures to UV and radioactive Kr85 in case of lamp breakage (with metal halide lamps).
- Long lamp life of up to 50,000 hrs.
- High colour temp consistency: tolerance is only  $\pm 100\text{K}$
- Operating temp:  $-30^\circ$  to  $+40^\circ$



LR0920R9-25M25D

NEW

### 20W PAR38 R9 high red colour rendition

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
144987	E27	121	133	485	2800 / 94
144961	E27	121	133	485	4000 / 94

20<sub>watt</sub>

5000cd

50,000  
hoursBeam Angle  
25°Standard Pack  
1 (24)

ER1006R9-35H24D

NEW

### 6W MR16 R9 high red colour rendition

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
144392	GU5.3	50	51	60	2800 / 94
144108	GU5.3	50	51	60	4000 / 94

6<sub>watt</sub>

1300cd

50,000  
hoursBeam Angle  
24°Standard Pack  
1 (60)



**Megaman have developed an MR16 LED that has been specifically designed to deliver warmer illumination level - perfect for bakery lighting applications.**

The special 2400k warm colour temperature maximises the visual impact of pastries and bread products and can be used to enhance displays in bakery shopping environments.



ER1006-35H24D  
ER1006-35H36D

## 6W MR16 12V special warm colour temp

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
144602	GU5.3	50	51	60	2400 / 82
1000cd	24°				
144789	GU5.3	50	51	60	2400 / 82
550cd	36°				
6 watt	50,000 hours				
				Standard Pack	1 (60)

The Megaman® LED 6W MR16 12V works with most conventional halogen transformers.

Please refer to our website for the list of recommended halogen transformers or LED drivers. [www.megamanuk.com](http://www.megamanuk.com)



ER1006-35H24D  
ER1006-35H36D

## 6W MR16 12V

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141632	GU5.3	50	51	60	2800 / 82
141658	GU5.3	50	51	60	4000 / 85
1000cd	24°				
141683	GU5.3	50	51	60	2800 / 82
141679	GU5.3	50	51	60	4000 / 85
550cd	35°				
6 watt	50,000 hours				
				Standard Pack	1 (60)



LR0407-35H35D

## 7W GU10 PAR16

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141545	GU10	50	74	83	2800 / 85
141595	GU10	50	74	83	4000 / 92

<b>7</b> watt	<b>600cd</b>		<b>35,000</b> hours	Beam Angle <b>35°</b>	Standard Pack <b>1 (60)</b>
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LR0407-35H35D

## 7W R50

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141695	E14	50	87	94	2800 / 85
141795	E14	50	87	94	4000 / 92

<b>7</b> watt	<b>600cd</b>		<b>35,000</b> hours	Beam Angle <b>35°</b>	Standard Pack <b>1 (60)</b>
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LR0308-50H30D

## 8W PAR20

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141345	E27	65	95	140	2800 / 80
141395	E27	65	95	140	4000 / 85

<b>8</b> watt	<b>1600cd</b>		<b>50,000</b> hours	Beam Angle <b>30°</b>	Standard Pack <b>1 (24)</b>
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Don't forget Megaman's **EMERGENCY PACK!** Go to Page 46 for full details.



LR0215-100H24D

## 15W PAR30

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141845	E27	96	102	239	2800 / 85
141895	E27	96	102	239	4000 / 92

<b>15</b> <sub>watt</sub>	<b>3200cd</b> 	<b>50,000</b> hours		Beam Angle <b>24°</b> 	Standard Pack <b>1 (24)</b>
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LR0915-75H30D

## 15W PAR38

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141832	E27	121	133	458	2800 / 85
141867	E27	121	133	458	4000 / 92






<b>15</b> <sub>watt</sub>	<b>2200cd</b> 	<b>50,000</b> hours		Beam Angle <b>30°</b> 	Standard Pack <b>1 (24)</b>
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LR0115-50H24D  
LR0615-50H45D






## 15W GU10 AR111

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141645	GU10	111	94	245	2800 / 82
141754	GU10	111	94	245	4000 / 85
3600cd  24° 					
141428	GU10	111	94	245	2800 / 82
141457	GU10	111	94	245	4000 / 85
1400cd  45° 					
15 watt 50,000 hours  1 (24)					



ER1111-50H24D  
ER1311-50H45D

## 11W G53 AR111 12V

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
141702	G53	111	83	283	2800 / 82
141798	G53	111	83	283	4000 / 85
3600cd  24° 					
141735	G53	111	83	283	2800 / 82
141749	G53	111	83	283	4000 / 85
1400cd  45° 					
11 watt 50,000 hours  1 (24)					



The Megaman® LED AR111 12V works with most conventional halogen transformers.

Please refer to our website for the list of recommended halogen transformers. [www.megamanuk.com](http://www.megamanuk.com)



LR1305-30D



LR1305-60D

## GX53 30°

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
147338	GX53	75	25	82	2800 / 82
147190	GX53	75	25	82	4000 / 85

<b>5</b> watt	<b>500cd</b>	<b>50,000</b> hours	Beam Angle <b>30°</b>	Standard Pack <b>1 (60)</b>
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Part L Compliant

**70lm** per Watt

## GX53 60°

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
147265	GX53	75	25	82	2800 / 82
147279	GX53	75	25	82	4000 / 85

<b>5</b> watt	<b>350cd</b>	<b>50,000</b> hours	Beam Angle <b>60°</b>	Standard Pack <b>1 (60)</b>
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Part L Compliant

**70lm** per Watt

### The MEGAMAN®

**LED GX53** reflector has an ultra slim profile, which is an innovative solution for slim surface mounted luminaires and recessed fittings that have long been haunted by blazing-heat halogens, causing overheating, discolouration and deformation to furniture and display items.



# LED Decorative Non-Dimming Range



LC0105CS/SE

## 5W Smooth Frosted Candle

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
143857	E14	37	99	65	2700 / 85
143841	B15	37	98	65	2700 / 85
143642	B22	37	98	65	2700 / 85

<b>5</b> watt	<b>210lm</b>	<b>50,000</b> hours	Standard Pack <b>1 (60)</b>
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LC0105CS

## 5W Smooth Clear Candle

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
143653	E14	37	99	51	2700 / 85
143254	B15	37	98	51	2700 / 85
143739	B22	37	98	54	2700 / 85

<b>5</b> watt	<b>220lm</b>	<b>50,000</b> hours	Standard Pack <b>1 (60)</b>
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LC0105CT/GD

## 5W Twisted Gold Candle

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
143513	E14	37	102	53	2500 / 80
143521	B22	37	101	55	2500 / 80
143547	B15	37	101	54	2500 / 80

<b>5</b> watt	<b>190lm</b>	<b>50,000</b> hours	Standard Pack <b>1 (60)</b>
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# LED Decorative Non-Dimming Range



LG0105CS/SE

## 5W Frosted Golf Ball

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
148191	E14	45	85	55	2700 / 85
148922	B22	45	73	55	2700 / 85
148172	E27	45	75	55	2700 / 85

<b>5</b> watt	<b>210lm</b> 	<b>50,000</b> hours 	Standard Pack  <b>1 (60)</b>
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LS0107

## 7W Crown Silver Classic

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
148410	E27	60	106	135	2700 / 85
148482	B22	60	106	135	2700 / 85

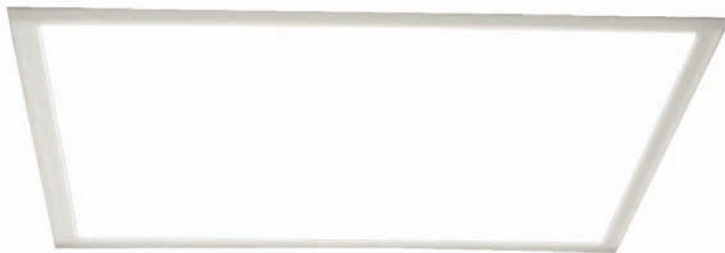
<b>7</b> watt	<b>300lm</b> 	<b>50,000</b> hours 	Standard Pack  <b>1 (60)</b>
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# LED Commercial Plateia Series

**The PLATEIA LED Ceiling Panel is the ideal replacement for traditional grid based fluorescent luminaires. It creates an extremely harmonious and uniform lighting environment that conventional lamps cannot achieve.**

The **PLATEIA** is designed using a super bright LED light source enabling a consistently high quality long lamp life with no UV or IR emissions. It is powered by a low voltage constant current driver, which is safe, energy saving and helps to extend the expected lamp life.



## Applications:

- Office Lighting
- Restaurants
- Hotels
- Schools
- Hospitals
- Hallways & Lobbies
- Meeting Rooms

## 50W Plateia LED Ceiling Panel

Order Code	Lamp Source	Dimensions (mm)	Colour	Weight (Kg)	Colour Temp (K) / CRI
F0500627-39910	50W LED	595.8 x 595.8 x 11.5	White	4.2	3300 / 84
F0500628-39910	50W LED	595.8 x 595.8 x 11.5	White	4.2	4300 / 92

**50** watt

**4200lm**

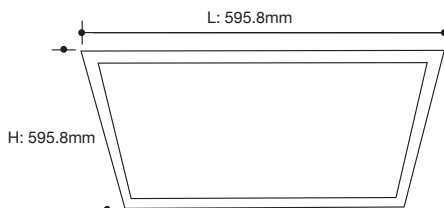
**50,000** hours

Beam Angle  
**120°**

Standard Pack  
**1**

EUROPEAN COMMUNITY MARK  
 RoHS 2002/95/EC  
 LVD EN 60598-1 / EN60598-2-2  
 WEEE 2002/96/EC

**84lm** per Watt



## Benefits:

- Lightweight, 3 year guarantee
- Longlife - perfect for stairwells and hard to access locations
- High lumen maintenance over life
- 30% energy saving versus 4x18W fluorescent lamps
- Low glare, flicker free operation
- Fits in a standard 600x600 mm ceiling grid
- Suitable for use with daylight and occupancy detectors
- White frame blends aesthetically with ceiling





# CFL Series

**Megaman lead the way** in compact fluorescent lamp technology offering you the most comprehensive collection of low energy lighting in the UK.

Designed as a direct replacement for energy-hungry incandescent bulbs, our CFL's are available in a wide range of designs making it easy to switch from incandescent to fluorescent lighting.



All of our CFL's come with a guaranteed performance warranty of 2 years for all 15,000 hour lamps and 18 months for our 10,000 hour range.

## Unique Features

- A perfect replacement for incandescent and halogen lamps
- Dimmerable, Reflector, Decorative and Tubular ranges available
- Liquid mercury free
- Ingenium® lamps offer prolonged lamp life, up to 15,000 hours
- Environmentally friendly production techniques
- Up to 80% energy savings
- Comprehensive direct replacement decorative range with all round illumination
- Silicone sleeve technology for safer breakages
- Colour temperature options of 2700K, 4000K and 6500K

CFL Series

## Applications

General domestic applications  
Reception areas  
Table lamps  
Decorative wall or ceiling lamps  
Cabinet lighting  
Conference rooms  
Corridors  
Lounges  
Security Lighting  
Offices



Life  
IN  
Light



### Dimming CFL lamps

Our range of Dimmerable lamps offer smooth dimming in conjunction with traditional wall plate dimmers. This is the largest collection in the world ranging from 7W to 18W. Please consult our website for complete instructions on how to maximise the operation of your lamps.

### Main Voltage lamps

Our lamps are designed for leading edge dimmers but will work with some trailing edge models. Please consult the manufacturer for loading and operation advice or visit our extensive website for a list of approved dimmers.

Please note these lamps are not meant as a direct retrofit on a one to one basis, care is needed to match the loading requirements to avoid issues.

We do not recommend replacing halogen or incandescent lamps one for one with CFL's unless the following is adhered to. It is necessary to de-rate the total power of the dimmer by 1/6th so for example a 400W dimmer competently operate 6 x 11W GU10 dimming CFL's.

Overloading the lamps or using a non-approved unit may cause flicker and terminal damage to the electronics within the lamp. These lamps are not suitable for use with touch or slide dimmers as the high inrush current will cause them to fail.



Life  
IN  
Light



CL809d

## 9W Candle Dimmerable

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
427867	E14	43	123	63	2700 />80
421767	E27	43	118	63	2700 />80
421821	B15	43	122	63	2700 />80
421766	B22	43	116	63	2700 />80

9 watt

405lm

10,000 hours

Standard Pack

Please refer to our website for compatible Dimmers.  
[www.megamanuk.com](http://www.megamanuk.com)



GX0109d

## 9W GX53 Dimmerable

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
418567	GX53	75	37	125	3000 />80
418541	GX53	75	37	125	4000 />80

9 watt

280lm

10,000 hours

Standard Pack

Please refer to our website for compatible Dimmers.  
[www.megamanuk.com](http://www.megamanuk.com)



BR1411d

## 11W GU10 Dimmerable with PowerLens

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
461497	GU10	50	76	65	3000/>80
461480	GU10	50	76	65	4000/>80

11 watt

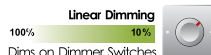
Beam Angle 90°

230cd

10,000 hours

Standard Pack

Please refer to our website for compatible Dimmers.  
[www.megamanuk.com](http://www.megamanuk.com)



Order Code	490001
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For the best performance Megaman recommends that you purchase our own CFL dimmable module. Please refer to p.24 for more information.



SLU111d

## 11W Tubular Dimmerable

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
127111	E27	42	106	51	2700 / >80
121617	B22	42	104	51	2700 / >80

<b>11</b> watt	600lm		10,000 hours	Standard Pack
				10 (60)

Please refer to our website for compatible Dimmers.  
[www.megamanuk.com](http://www.megamanuk.com)

Linear Dimming

100% 10%

Dims on Dimmer Switches

## 11W Classic Dimmerable



GSU111d

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
128129	E27	60	114	76	2700 / >80
129713	B22	60	112	76	2700 / >80

<b>11</b> watt	570lm		10,000 hours	Standard Pack
				10 (60)

Please refer to our website for compatible Dimmers.  
[www.megamanuk.com](http://www.megamanuk.com)

Linear Dimming

100% 10%

Dims on Dimmer Switches



## 18W PAR 38 Dimmerable



BR0618d

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
461329	E27	121	133	262	2700 / 82

<b>18</b> watt	330cd		Beam Angle 110°	10,000 hours	Standard Pack
					6 (24)

Please refer to our website for compatible Dimmers.  
[www.megamanuk.com](http://www.megamanuk.com)

Linear Dimming

100% 10%

Dims on Dimmer Switches



\* IP54 protection is guaranteed when used with fixtures that have an IP44 rating or above.

Order Code	490001
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For the best performance Megaman recommends that you purchase our own CFL dimmable module. Please refer to p.24 for more information.



**Dimming On Random Switches**

100% 66% 33% 5%  
**4-Step Dimming**

## Dimming on an Ordinary Light Switch

1. Switch lamp ON until it reaches 100% brightness.
2. To dim, switch lamp OFF then ON again within 3 seconds.
3. Repeat the above action to dim the lamp to the desired level.

Create ambient lighting with DorS DIMMING technology

Brightness Level	100%	66%	33%	5%
Power Consumption	20w	16w	12w	9w
Energy Saving	80%	84%	88%	91%

\* Compared to full brightness of an incandescent



BR1411s

## 11W GU10 with built-in Dimmer

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K)
402942	GU10	50	76	65	3000 / ≥80
402959	GU10	50	76	65	4000 / ≥80

<b>11</b> watt	<b>110cd</b>	Beam Angle <b>119°</b>	<b>10,000</b> hours	Standard Pack <b>10 (60)</b>
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GSU111s

## 11W Classic with built-in Dimmer

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
400245	E27	60	114	85	2700 / ≥80
400542	B22	60	112	85	2700 / ≥80

<b>11</b> watt	<b>570lm</b>	<b>10,000</b> hours	Standard Pack <b>10 (60)</b>
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BR0707i

## 7W GU10 Reflector with PowerLENS

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
614220	GU10	50	65	46	3000 />80
614244	GU10	50	65	46	4000 />80

<b>7</b> watt	<b>70cd</b>		Beam Angle <b>90°</b>	<b>15,000</b> hours	Standard Pack <b>10 (60)</b>
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BR0709i

## 9W GU10 Reflector with PowerLENS

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
614329	GU10	50	76	53	3000 />80
614343	GU10	50	76	53	4000 />80

<b>9</b> watt	<b>110cd</b>		Beam Angle <b>90°</b>	<b>15,000</b> hours	Standard Pack <b>10 (60)</b>
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BR0711i

## 11W GU10 Reflector with PowerLENS

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
614435	GU10	50	76	51	3000 />80
614718	GU10	50	76	51	4000 />80
614482	GU10	50	76	51	6500 />80

**11** watt

**125cd**


 Beam Angle  
**90°**
**15,000**  
 hours

 Standard Pack  
**10 (60)**


BR2114i

## 14W GU10 Reflector with PowerLENS

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
614626	GU10	50	76	65	3000 />80
614640	GU10	50	76	65	4000 />80

**14** watt

**150cd**


 Beam Angle  
**90°**
**15,000**  
 hours

 Standard Pack  
**10 (60)**


The 14W GU10 Reflector is not suitable for fire rated fittings.





BR0907i

## 7W E14 R50 with PowerLENS

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
615326	E14	50	87	54	3000 />80
7 watt	75cd	Beam Angle 90°	15,000 hours	Standard Pack	10 (60)



BR111i

## 11W E27 R63 with PowerLENS

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
616323	E27	63	103	96	3000 />80
11 watt	140cd	Beam Angle 90°	15,000 hours	Standard Pack	10 (60)



BR1215i

## 15W E27 R80 with PowerLENS

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
616897	E27	80	111	116	3000 />80
15 watt	205cd	Beam Angle 84°	15,000 hours	Standard Pack	6 (24)





BR2315i

## 15W PAR30

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
163120	E27	95	88	127	3000 / >82

<b>15</b> watt	<b>250cd</b>		Beam Angle $\theta$ <b>90°</b>	<b>15,000</b> hours	Standard Pack <b>6 (24)</b>
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BR0620

## 20W PAR38

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
162024	E27	121	133	240	2700 / >80

<b>20</b> watt	<b>380cd</b>		Beam Angle $\theta$ <b>100°</b>	<b>10,000</b> hours	Standard Pack <b>6 (24)</b>
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\* **IP54 protection** is guaranteed when used with fixtures that have an IP44 rating or above.



## Product Features

With **Incandescent** Reflector



Display items are partially illuminated by uneven distribution of the Incandescent PAR38. In addition, colours appear more yellow.

With **MEGAMAN®** Reflector



**The MEGAMAN® energy-saving reflectors** produces floodlight illumination at close distance to maximise the visual impact of the display items.

MEGAMAN®



GX0109i

## 9W GX53 with silicone cover

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
710126	GX53	75	24	59	2700 />82
711267	GX53	75	24	59	3000 />82
710140	GX53	75	24	59	4000 />80

**9** watt

**280lm**


 Beam Angle  
**106°**
**15,000**  
 hours

 Standard Pack  
**10 (60)**


GX0113iF

## 13W Hi-Lite GX53 with frosted glass cover

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
710232	GX53	75	37	118	3000/>82
710249	GX53	75	37	118	4000/>80

**13** watt

**520lm**


 Beam Angle  
**117°**
**15,000**  
 hours

 Standard Pack  
**10 (60)**
**Hi-Lite**




CL707iCS/SE

## 7W Smooth Frosted Candle with silicone sleeve

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
940233	E14	37	99	43	2700 />80
941650	B15	37	98	43	2700 />80
108022	E27	37	96	43	2700 />80
138029	B22	37	94	43	2700 />80

7 watt

286lm



15,000 hours

Standard Pack  
10 (60)

ingenium®



CL709iCS/SE

## 9W Smooth Frosted Candle with silicone sleeve

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
119028	E14	37	109	49	2700 />80
103161	B15	37	108	49	2700 />80
139026	B22	37	104	49	2700 />80

9 watt

405lm



15,000 hours

Standard Pack  
10 (60)

ingenium®







GA807i

## 7W Ping Pong

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
181124	E14	45	84	41	2700 />80
191123	E27	45	74	44	2700 />80
101402	B22	45	72	44	2700 />80

7 watt

286lm

15,000 hours

Standard Pack  
10 (60)

GA707i

## 7W Ultra Compact Golf Ball

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
940035	E14	45	90	42	2700 />80
190126	E27	45	86	49	2700 />80
192120	B22	45	84	49	2700 />80

7 watt

286lm

15,000 hours

Standard Pack  
10 (60)



GA911i

## 11W Ultra Compact Classic

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
903048	E27	55	102	54	2700 / >80
903123	B22	55	102	54	2700 / >80

<b>11</b> watt	570lm	15,000 hours	Standard Pack 10 (60)	ingentium®
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GSU111i

## 11W Compact Classic

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
940431	E27	60	113	80	2700 / >80
940486	B22	60	111	80	2700 / >80

<b>11</b> watt	570lm	15,000 hours	Standard Pack 10 (60)	ingentium®
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GSU218i

## 18W Compact Classic

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
105001	E27	65	118	89	2700 / >80
105991	B22	65	116	89	2700 / >80

<b>18</b> watt	900lm	15,000 hours	Standard Pack 10 (60)	ingentium®
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GSU520

## 20W Classic

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
210176	E27	65	158	134	2700 / >80
017225	B22	65	158	134	2700 / >80

20 watt

1151lm

10,000

hours

Standard Pack  
10 (60)

## 20W Globe



GSU420

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
933205	E27	98	149	177	2700 / >80
941377	B22	98	147	177	2700 / >80

20 watt

1151lm

15,000

hours

Standard Pack  
6 (24)

## 50W Clusterlite Globe



GHC01050i

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
897979	E27	120	202	410	4000 / >80

50 watt

2700lm

15,000

hours

Standard Pack  
1 (12)

ingenium®


**SENSOR**  
Light

### How It Works

- The light sensor in the **SENSOR LIGHT** has been preset to turn ON or turn OFF depending on infra-red radiation.
- When the **SENSOR LIGHT** is switched ON, the lamp performs a self-test and lights up for 1 second to indicate that the lamp is functional.
- The light then starts detecting infrared radiation levels of the surrounding environment.



Turns ON  
when dark



Turns OFF  
when bright

### Applications

Patios, porches,  
alleyways and  
in lanterns for  
security use

### Product Information

- Direct retrofit
- Equipped with ingenious light sensor
- Turns ON automatically in a dark environment
- Turns OFF automatically in a bright environment
- Illuminates only when needed, saving further energy
- 15,000 hours lamp lifetime



GK715r

### 15W **SENSOR** Classic

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
<b>402300</b>	E27	68	128	93	2700 / 80
<b>403277</b>	B22	68	126	93	2700 / 80

<b>15</b> watt	<b>800lm</b>		<b>15,000</b> hours		
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SLU208i

## 8W Liliput

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
<b>308125</b>	E27	35	89	36	2700 />80
<b>308224</b>	B22	35	87	36	2700 />80

<b>8</b> watt	<b>400lm</b>		<b>15,000</b> hours	Standard Pack <b>10 (60)</b>	
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## 11W Liliput



SLU211i

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
<b>311125</b>	E27	38	104	44	2700 />80
<b>311224</b>	B22	38	102	44	2700 />80

<b>11</b> watt	<b>600lm</b>		<b>15,000</b> hours	Standard Pack <b>10 (60)</b>	
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## 14W Liliput



SLU214i

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
<b>314164</b>	E27	38	115	48	2700 />80
<b>314225</b>	B22	38	113	48	2700 />80

<b>14</b> watt	<b>800lm</b>		<b>15,000</b> hours	Standard Pack <b>10 (60)</b>	
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WL220

## 20W Compact

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
319121	E27	52	130	87	2700 / >80
319022	B22	52	128	87	2700 / >80

<b>20</b> watt	<b>1151</b> lm		<b>10,000</b> hours		Standard Pack <b>10 (60)</b>
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WL130

## 30W Compact

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
303021	E27	64	176	156	2700 / >80
303229	B22	64	176	156	2700 / >80

<b>30</b> watt	<b>1900</b> lm		<b>10,000</b> hours		Standard Pack <b>10 (60)</b>
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4U107i

## 7W GU9 Tube

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
104221	GU9	37	65	32	3000 / >82

<b>7</b> watt	<b>310lm</b>		<b>15,000</b> hours	Standard Pack <b>10 (60)</b>	 ingenium®
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4U109i

## 9W GU9 Tube

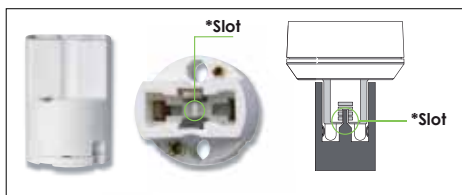
Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
104326	GU9	37	75	38	3000 / >82

<b>9</b> watt	<b>440lm</b>		<b>15,000</b> hours	Standard Pack <b>10 (60)</b>	 ingenium®
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## 9W Socket

The **MEGAMAN® GU9 lamp holder** is specifically designed with a slot for **GU9** lamp bases only.

Order Code
104362



\* Special slot in base. This prevents halogen lamps being used in this lamp holder and means it is compliant with Part L of the current building regulations.



4P424i

## 24W R7s

Order Code	Lamp Base	Height (mm)	Width (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
109227	R7s	58	33	118	115	3000 / 82
109241	R7s	58	33	118	115	4000 / 82

<b>24</b> watt	<b>1519lm</b>		<b>15,000</b> hours	Standard Pack <b>10 (60)</b>	 ingenium®
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\* **Ingenium technology** means our R7s lamps are the only ones compatible for use on Floodlights with inbuilt PTR's.

## Product Features

- Instant restart capability with rapid start-up time achieved within 120 seconds.
- High colour rendering index of Ra 82.
- Excellent colour uniformity with minimal colour shift of only +/-100K.
- Available in a range of colour temperatures from 3000K to 6500K.
- Engineered with patented cooling-tube to guarantee over 76% lumen maintenance throughout lamp life.
- Rated lamp life of 15,000 hours.
- Effective operation in temperature range from -40°C to +80°C.
- Optimum operating position is base up
- Cluster-type lamp tube design allows continuous illumination upon partial failure of lamp tubes
- Suitable for use with lighting controls - microwave and photocell sensors to save further energy.



HC01040i

## 40W Integrated Ballast

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
821040	E27	63	166	257	3000 />84
807143	E27	63	166	257	4000 />82

<b>40</b> watt	<b>2680lm</b>		<b>15,000</b> hours	Standard Pack	<b>1 (12)</b>
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HC01060i

## 60W Integrated Ballast

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
821060	E27	63	188	315	3000 />84
808140	E27	63	188	315	4000 />82

<b>60</b> watt	<b>4000lm</b>		<b>15,000</b> hours	Standard Pack	<b>1 (12)</b>
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HC01080i

## 80W Integrated Ballast

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
872378	E40	80	256	563	3000 />84
871691	E40	80	256	563	4000 />82

<b>80</b> watt	<b>5400lm</b>		<b>15,000</b> hours	Standard Pack	<b>1 (12)</b>
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HC01100i

## 100W Integrated Ballast

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
874611	E40	80	279	588	3000 />84
879981	E40	80	279	588	4000 />82
876243	E40	80	279	588	6500 />80

<b>100</b> watt	<b>6700lm</b> 3000/4000K	<b>6365lm</b> 6500K	<b>15,000</b> hours	Standard Pack <b>1 (12)</b>	
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HC01200X

## 200W Clusterlite with External Power Supply

Order Code	Lamp Base	Diameter (mm)	Length (mm)	Weight (g)	Colour Temp (K) / CRI
821230	E40	90	278	676	3000 />84
821200	E40	90	278	676	4000 />82
876802	E40	90	278	676	6500 />80


<b>200</b> watt	<b>14400lm</b> 3000/4000K	<b>13680lm</b> 6500K	<b>15,000</b> hours	Standard Pack <b>1 (12)</b>	
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CP010200

## Power Supply for 200W Clusterlite

Order Code	Main Voltage	Power Factor	Push-in Terminals	Energy Efficiency Index	Protection Class
841200	220~240V	0.98	1.0mm <sup>2</sup> 2.0mm <sup>2</sup>	A2	II

50,000 hours	Ext. Wire	Fixing Bracket for Screws	Weight (g)	Dimension
	18AW GX2C	M4	720	175 x103 x59

# Fixtures

To complement its range Megaman in partnership with FOZZ Lighting, have drawn upon the expertise from both companies and produced a fixture range that provides the perfect combination of design and performance in lighting technology.



**Megaman's lamps are** compact, light and available in various colour options enabling the user to choose the right lamp for the right ambience.

FOZZ offers a range of luminaires for the commercial, retail, hotel and domestic markets. Produced from high quality materials and designed for easy installation, the Fozz range in combination with Megaman's lamps can provide a stylish and innovative energy saving lighting solution.

Fixtures

Life  
IN  
Light



L0302RC  
White, Silver, Gold.

## MAX

Adjustable downlight with 11W GU10 CFL

Order Code	Lamp Base	Light Source included	Colour	Material / Finish
771530	GU10	CFL GU10 reflector 11W	White	Polycarbonate
771639	GU10		Silver	
771738	GU10		Gold	

Standard Pack <b>3 (36)</b>	
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Cut Out <b>70mm</b>	
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	EUROPEAN COMMUNITY MARK
	2002/95/EC
	EN 60598-1 / EN 60598-2-2



The above downlights can be installed with our **Emergency Pack**.  
Please refer to page 48.



01.0522  
White, Chrome.

## Round Opera

IP64 downlight with GU10 reflector, CFL or LED

**FOZZ**

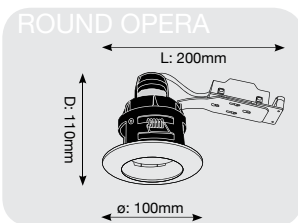
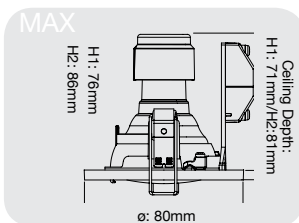
Order Code	Lamp Base	Light Source	Colour	Material / Finish
FO500221-00010	GU10	CFL GU10 7W to 11W LED GU10 3W to 8W	Powdered Matt White	Die-cast aluminium
FO500224-00010	GU10		Matt Chrome	

Standard Pack <b>1 (30)</b>	
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Cut Out <b>80-82mm</b>	
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	IP64
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	EUROPEAN COMMUNITY MARK
	2002/95/EC
	EN 60598-1 / EN 60598-2-2



## Conxento

Downlight for LED AR111 GU10



F12217  
White, Silver.

Order Code	Lamp Base	Light Source	Colour	Material / Finish
984532	GU10	15W LED AR111 GU10	White	Die-cast aluminium
984721	GU10	Please refer to p.18	Silver	
Standard Pack 1	Cut Out 145mm	 RoHS 2002/95/EC LVD EN 60598-1 / EN 60598-2-2	 EUROPEAN COMMUNITY MARK	

## Cronos

Downlights for 13W GX53 Lamp



01.0512  
White, Chrome.

Order Code	Lamp Base	Light Source	Colour	Material / Finish
FO500189-00010	GX53	13W CFL lamp.	Powdered MattWhite	Aluminium die-cast
FO500240-00010	GX53	Please refer to p.32	Matt Chrome	Epoxy painting Electro plating
Standard Pack 1 (24)	Cut Out 95-98mm	 RoHS 2002/95/EC LVD EN 60598-1 / EN 60598-2-2	 EUROPEAN COMMUNITY MARK	

## Hydra

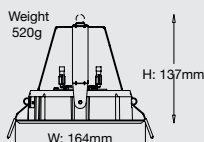
IP64 Downlights for 13W GX53 Lamp



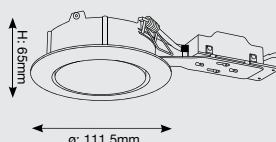
01.0512  
White, Chrome.

Order Code	Lamp Base	Light Source	Colour	Material / Finish
FO500158-00010	GX53	13W CFL lamp.	Powdered MattWhite	Aluminium die-cast
FO500159-00010	GX53	Please refer to p.32	Matt Silver	Epoxy painting Electro plating
Standard Pack 1 (6)	Cut Out 135mm	 RoHS 2002/95/EC LVD EN 60598-1 / EN 60598-2-2	 EUROPEAN COMMUNITY MARK	

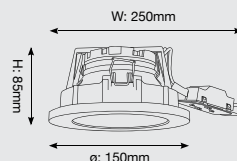
### CONXENTO



### CRONOS



### HYDRA








LR0504RC  
White, Silver.

## Planex

Downlight for 13W GX53 Lamp


Order Code	Lamp Base	Light Source	Colour	Material / Finish
703222	GX53	13W CFL lamp Please refer to p.32	White	Polycarbonate
703253	GX53		Silver	
Standard Pack 1 (60)	Cut Out 90mm	 EUROPEAN COMMUNITY MARK RoHS 2002/95/EC LVD EN 60598-1 / EN 60598-2-2		



L0501CB  
White, Silver.

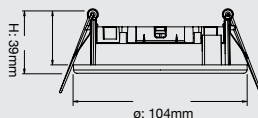
## Palmlite

Surface mounted fitting with 9W GX53 Lamp

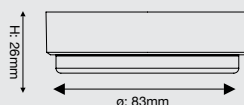
Order Code	Lamp Base	Light Source included	Colour	Material / Finish
722020	GX53	9W CFL lamp. Please refer to p.32	White	Polycarbonate
722426	GX53		Silver	
Standard Pack 3 (36)	Cut Out 95-98mm	<div> EUROPEAN COMMUNITY MARK RoHS 2002/95/EC LVD EN 60598-1 / EN 60598-2-2</div>		



### PLANEX



### PALMLITE







03.0203.326

## Salsa with articulated arm Wall Lamp for GX53 lamp, CFL or LED

FOZZ®




Order Code	Lamp Base	Light Source	Colour	Material / Finish
FO500265-00010	GX53	9W CFL lamp GX53 5W LED lamp GX53	Matt Chrome	Zinc alloy die-cast epoxy painting
Standard Pack 1 (12)	 EUROPEAN COMMUNITY MARK  2002/95/EC  EN 60598-1 / EN 60598-2-2			



03.0202.326

## Salsa with flexible arm Wall Lamp for GX53 lamp, CFL or LED

FOZZ®



Order Code	Lamp Base	Light Source	Colour	Material / Finish
FO500264-00010	GX53	9W CFL lamp GX53 5W LED lamp GX53	Matt Chrome	Zinc alloy die-cast epoxy painting
Standard Pack 1 (12)	 EUROPEAN COMMUNITY MARK  2002/95/EC  EN 60598-1 / EN 60598-2-2			



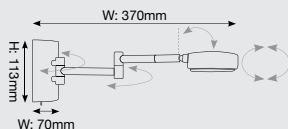
03.0201.326

## Salsa with short arm Wall Lamp for GX53 lamp, CFL or LED

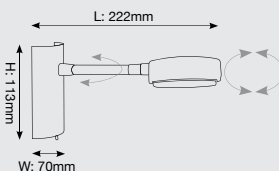
FOZZ®

Order Code	Lamp Base	Light Source	Colour	Material / Finish
FO500263-00010	GX53	9W CFL lamp GX53 5W LED lamp GX53	Matt Chrome	Zinc alloy die-cast epoxy painting
Standard Pack 1 (12)	 EUROPEAN COMMUNITY MARK  2002/95/EC  EN 60598-1 / EN 60598-2-2			

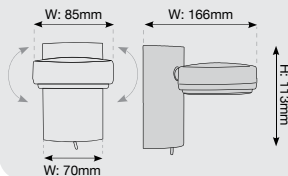
### SALSA with articulated arm



### SALSA with flexible arm



### SALSA with short arm



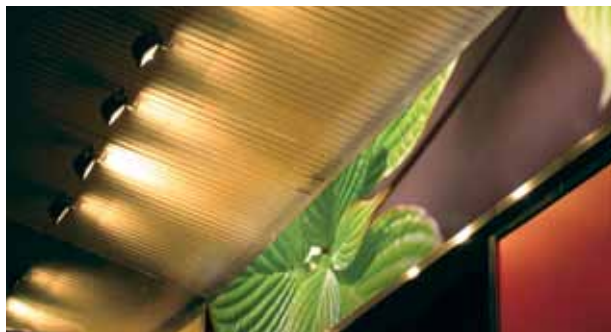


F00601SM

## Keppa

IP65 Floodlight for Clusterlite 60W Lamp

Order Code	Lamp Base	Light Source	Colour	Material / Finish
703291	E27	60W Clusterlite Please refer to p.41	Silver	Polypropylene compound body, aluminium reflector and tempered glass
Standard Pack 1 (1)	IP65	CE EUROPEAN COMMUNITY MARK RoHS 2002/95/EC LVD EN 60598-1 / EN 60598-2-2		



04.0307.400

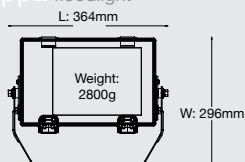
## ICE walkover

IP67 inground Walkover for GX53 Lamp, CFL or LED

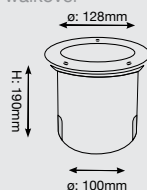
FOZZ®

Order Code	Lamp Base	Light Source	Colour	Material / Finish
F0500467-00010	GX53	9W CFL lamp GX53 5W LED lamp GX53	Stainless Steel	Aluminium die-cast & frosted glass
Standard Pack 1 (6)	Class II	Class F	In / Out	IP67
Cable 3 x 1.5 mm <sup>2</sup>	CE EUROPEAN COMMUNITY MARK RoHS 2002/95/EC LVD EN 60598-1 / EN 60598-2-2			

### Keppa floodlight



### ICE walkover





04.0321.210

## Louisiana up or down Wall Lamp for GX53 lamp, CFL or LED

**FOZZ®**

Order Code	Lamp Base	Light Source	Colour	Material / Finish
FO500247-00010	GX53	9W CFL lamp GX53 5W LED lamp GX53	Powdered Matt Silver	Epoxy painting aluminium
Standard Pack 1 (4)	IP64	CE RoHS 2002/95/EC LVD EN 60598-1 / EN 60598-2-2		



04.0322.210

## Louisiana up and down IP64 Wall Lamp for GX53 lamp, CFL or LED

**FOZZ®**

Order Code	Lamp Base	Light Source	Colour	Material / Finish
FO500248-00010	GX53	2x9W CFL lamp GX53 2x5W LED lamp GX53	Powdered Matt Silver	Epoxy painting aluminium
Standard Pack 1 (4)	IP64	CE RoHS 2002/95/EC LVD EN 60598-1 / EN 60598-2-2		

Launched in 2005, FOZZ Energy Saving Lighting specialises in professional lighting solutions for commercial specifications.

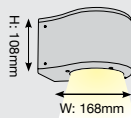
It has been developed around the Megaman range of CFL and LED lamps.

**FOZZ®**

### LOUISIANA

up or down

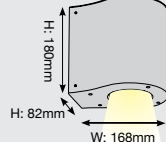
Weight:  
1150g



### LOUISIANA

up and down

Weight:  
1800g



## Product Features

- Kit comprises of emergency module, batteries and LED indicator.
- For 'Maintained' operation when the power supply is normal the lamp is operated by the ballast. If the power fails the lamp is automatically powered by the emergency module for 3 hours.
- LED indicator to show battery operation status (green or red).
- Worldwide patent pending.
- For 'Non-maintained' operations the module only works when the power fails.



## 7-9W Emergency Pack

Order Code	For Lamps	Battery (sealed)	Battery Duration	Full Charge	Rated Supply	Low Discharge	Ambient Temp.
EGM0709	7W-9W ESL	7.2V 4Ah	3 hours	24 hours	230V +/- 10% 50/60Hz	Electronic Protection	-10°C to +50°C

### Dimensions:

Length without cable: 70cm  
Length with cable: 90cm

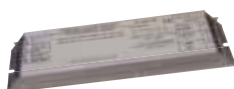


## 11-13W Emergency Pack

Order Code	For Lamps	Battery (sealed)	Battery Duration	Full Charge	Rated Supply	Low Discharge	Ambient Temp.
EGM1113	11W-13W ESL	7.2V 4Ah	3 hours	24 hours	230V +/- 10% 50/60Hz	Electronic Protection	-10°C to +50°C

### Dimensions:

Length without cable: 90cm  
Length with cable: 110cm



## 14W Emergency Pack

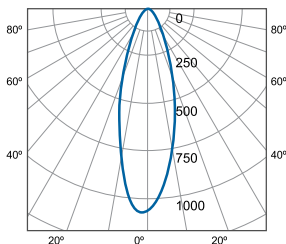
Order Code	For Lamps	Battery (sealed)	Battery Duration	Full Charge	Rated Supply	Low Discharge	Ambient Temp.
EGM1114	14W ESL	7.2V 4Ah	3 hours	24 hours	230V +/- 10% 50/60Hz	Electronic Protection	-10°C to +50°C

### Dimensions:

Length: 21.5cm  
Width: 4.8cm  
Depth: 2.8cm  
Fixing Centres: 21.0cm

## MR16 LED REFLECTORS

### 10W MR16 20V Smooth Dimming with Driver

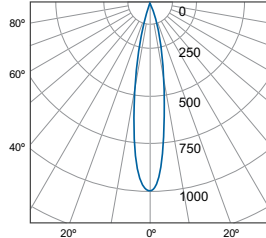


m	Lux	Ø cm
0.5	4800	32
1	1200	65
1.5	533	97
2	300	130

Beam angle = 36°

## R9 LED REFLECTORS

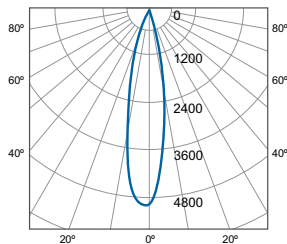
### 6W MR16 R9 Non-Dimming High Red Colour Rendition



m	Lux	Ø cm
0.5	4000	21
1	1000	43
1.5	444	64
2	250	85

Beam angle = 24°

### 20W PAR38 R9 E27 Non-Dimming

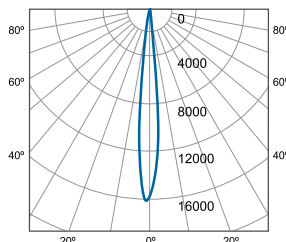


m	Lux	Ø cm
0.5	20000	22
1	5000	44
1.5	2222	67
2	1250	89

Beam angle = 25°

## AR111 LED REFLECTORS

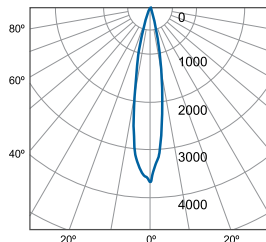
### 10W AR111 G53 20V Smooth Dimming with Driver



m	Lux	Ø cm
0.5	64000	7
1	16000	14
1.5	7111	21
2	4000	28

Beam angle = 8°

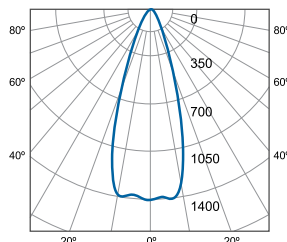
### 10W AR111 G53 20V Smooth Dimming with Driver



m	Lux	Ø cm
0.5	14400	21
1	3600	43
1.5	1600	64
2	900	85

Beam angle = 24°

### 10W AR111 G53 20V Smooth Dimming with Driver



m	Lux	Ø cm
0.5	5600	41
1	1400	83
1.5	622	124
2	350	166

Beam angle = 45°

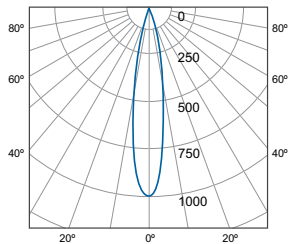


## MR16 LED REFLECTORS

### 6W MR16 12V

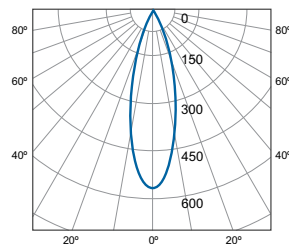
Non-Dimming

Special Warm Colour Temperature



m	Lux	Ø cm
0.5	4000	21
1	1000	43
1.5	444	64
2	250	85

Beam angle = 24°



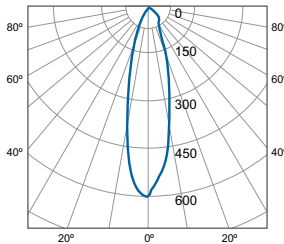
m	Lux	Ø cm
0.5	1500	27
1	375	54
1.5	156	80
2	111	107

Beam angle = 36°

## PAR16 LED REFLECTORS

### 7W GU10 PAR16

Non-Dimming

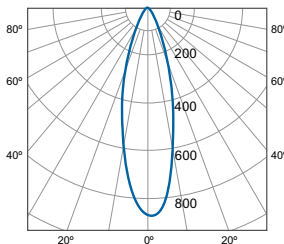


m	Lux	Ø cm
0.5	2400	32
1	600	63
1.5	267	95
2	150	126

Beam angle = 35°

### 8W PAR16 GU10

Smooth Dimming without Driver



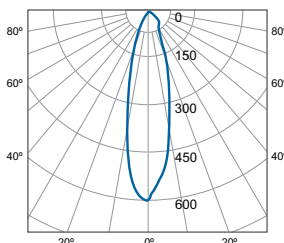
m	Lux	Ø cm
0.5	3600	32
1	900	63
1.5	400	95
2	225	126

Beam angle = 35°

## R50 LED REFLECTORS

### 7W E14 R50

Non-Dimming



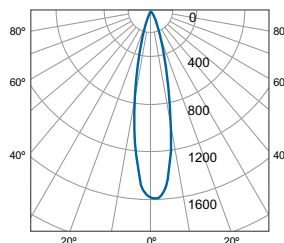
m	Lux	Ø cm
0.5	2400	32
1	600	63
1.5	267	95
2	150	126

Beam angle = 35°

## PAR20 LED REFLECTORS

### 8W E27 PAR20

Non-Dimming

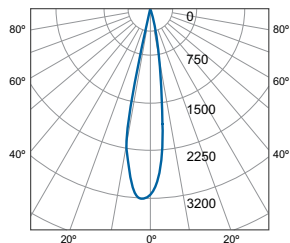


m	Lux	Ø cm
0.5	6400	27
1	1600	54
1.5	711	80
2	400	107

Beam angle = 30°

## PAR30 LED REFLECTORS

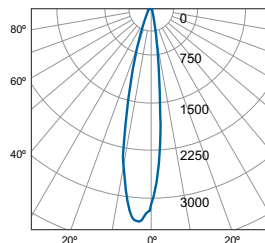
### 15W PAR30 Non-Dimming



m	Lux	Ø cm
0.5	12800	21
1	3200	43
1.5	1422	64
2	800	85

## AR111 LED REFLECTORS

### 15W GU10 AR111 Non-Dimming

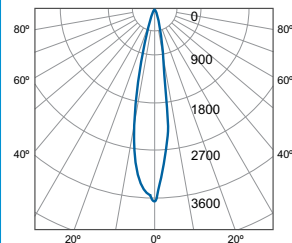


m	Lux	Ø cm
0.5	14400	21
1	3600	43
1.5	1600	64
2	900	85

Beam angle = 24°

## AR111 LED REFLECTORS

### 11W G53 AR111 12V Non-Dimming

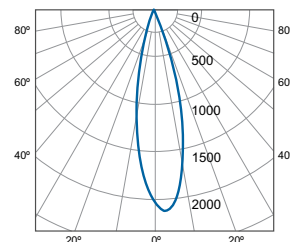


m	Lux	Ø cm
0.5	14400	21
1	3600	43
1.5	1600	64
2	900	85

Beam angle = 24°

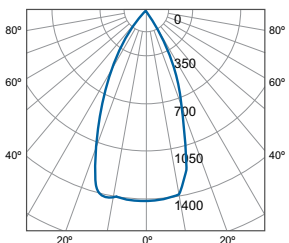
## PAR38 LED REFLECTORS

### 15W PAR38 Non-Dimming



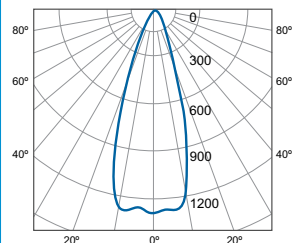
m	Lux	Ø cm
0.5	8800	27
1	2200	54
1.5	978	80
2	550	107

Beam angle = 30°



m	Lux	Ø cm
0.5	5600	41
1	1400	83
1.5	622	124
2	350	166

Beam angle = 45°

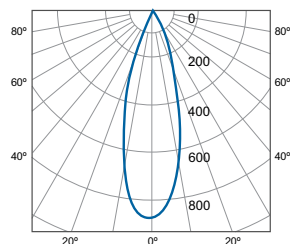


m	Lux	Ø cm
0.5	5600	41
1	1400	83
1.5	622	124
2	350	166

Beam angle = 45°

## GX53 LED REFLECTORS

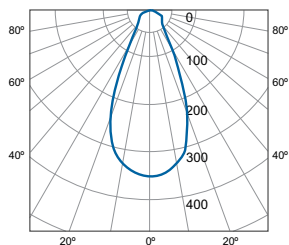
### 5W GX53 30° Non-Dimming



m	Lux	Ø cm
0.5	3400	27
1	850	54
1.5	378	80
2	213	107

Beam angle = 30°

### 5W GX53 60° Non-Dimming



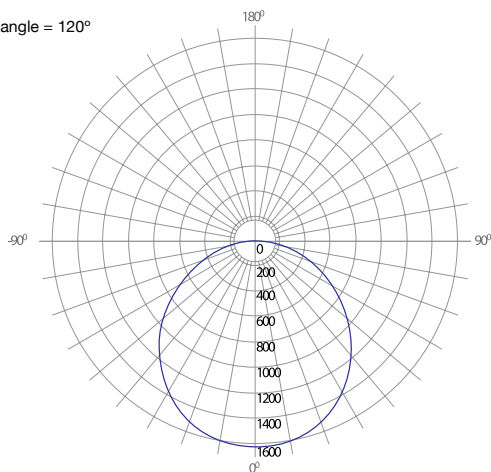
m	Lux	Ø cm
0.5	1400	58
1	350	115
1.5	156	173
2	88	231

Beam angle = 60°

## PLATEIA LED REFLECTORS

### 50W Plateia LED Ceiling Panel Non-Dimming

Beam angle = 120°



**MEGAMAN®** offers **FREE** state-of-the-art lighting design programs to help you design various indoor and outdoor lighting schemes.

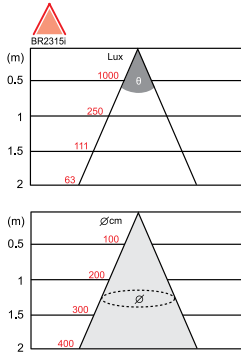
Relux  
DIALux  
OxyTech

For more information please visit [www.megamanuk.com](http://www.megamanuk.com)

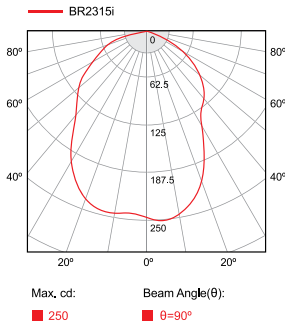
MEGAMAN®

## PAR30 CFL REFLECTORS

**15W PAR30 E27**  
Non-Dimming

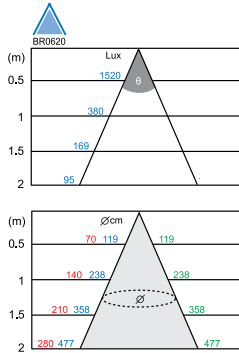


Luminous Intensity in cd

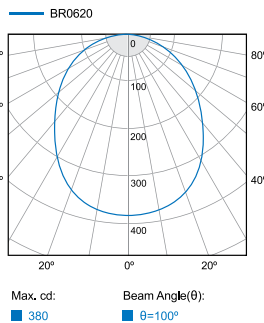


## PAR38 CFL REFLECTORS

**20W PAR38 E27**  
Non-Dimming

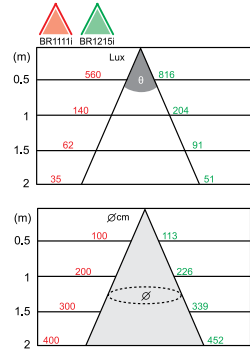


Luminous Intensity in cd

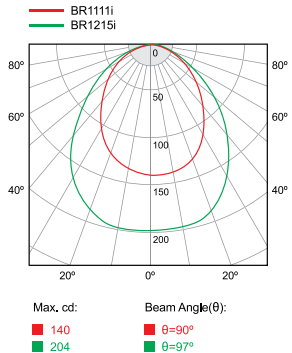


## R63/R80 CFL REFLECTORS

**11W R63 E27 / 15W R80 E27**  
Non-Dimming



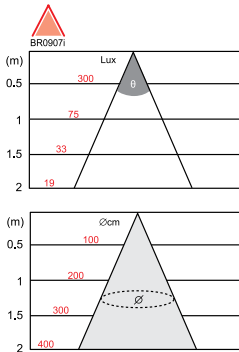
Luminous Intensity in cd



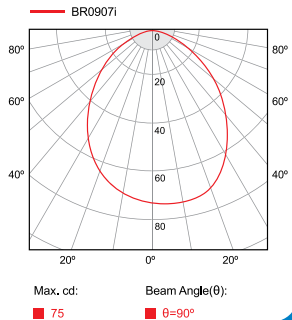
## R50 CFL REFLECTORS

**7W R50 E14**  
Non-Dimming

POWERLENS<sup>TM</sup> TECHNOLOGY

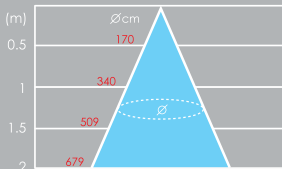


Luminous Intensity in cd



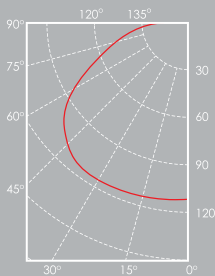
## GU10 CFL REFLECTOR DorS Dimming

**11W GU10**  
Dimmerable



Comparison of equivalent luminous flux against incandescent reflectors.

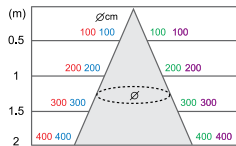
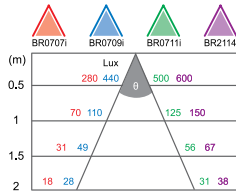
### Luminous Intensity in cd



BR1411s  
Max. cd: 110

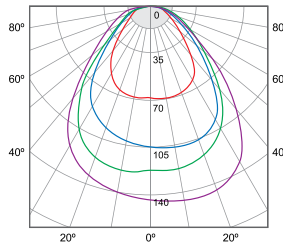
## GU10 CFL REFLECTORS

**7W, 9W, 11W & 14W GU10**  
Non-Dimmering



### Luminous Intensity in cd

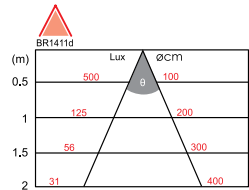
— BR0707i — BR0709i — BR0711i — BR2114i



Max. cd: 70, 110, 125, 150  
Beam Angle(θ): 90°

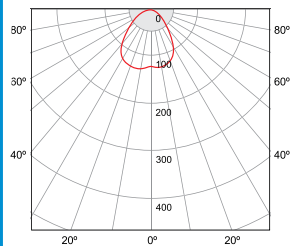
## GU10 CFL REFLECTORS

**11W GU10**  
Dimmerable



### Luminous Intensity in cd

— BR1411d



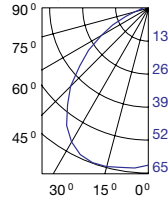
Max. cd: 125  
Beam Angle(θ): 90°

## DOWNLIGHT Indoor

### OPERA RANGE

IP64 downlight for GU10 reflector, CFL or LED

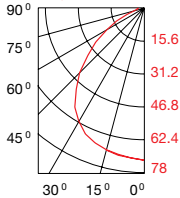
GU10 | 9W



MAX. CD: 64

M	LUX	LUX
0.5	247	288
1	61	72
1.5	27	32
2	15	18

GU10 | 11W

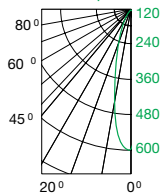


MAX. CD: 77

$\theta = 101^\circ$

$\theta = 102^\circ$

GU10 LED | 7W



MAX. CD: 600

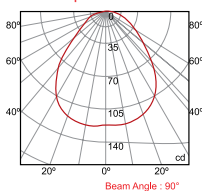
M	LUX
0.5	2400
1	600
1.5	267
2	150

$\theta = 35^\circ$

### MAX RANGE

Adjustable downlight for GU10 reflector CFL and Dimming LED

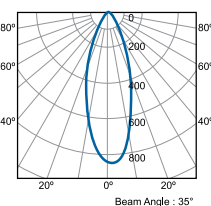
GU10 | 11W



Beam Angle : 90°

M	LUX	LUX
0.5	440	550
1	110	125
1.5	49	56
2	28	31

LED GU10  
DIMMING 8W



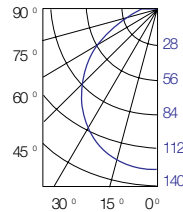
Beam Angle : 35°

$\theta = 90^\circ$

$\theta = 90^\circ$

### CRONOS

Downlights for 13W GX53 lamp

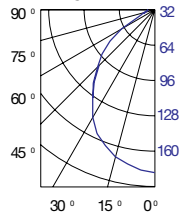


M	LUX
0.5	523
1	131
1.5	58
2	33

$\theta = 120^\circ$

### HYDRA

Downlights for 13W GX53 lamp

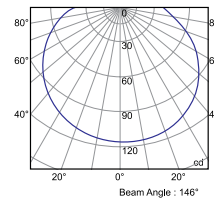


M	LUX
0.5	610
1	153
1.5	68
2	38

$\theta = 91^\circ$

### PLANEX

Downlight for 13W GX53 lamp

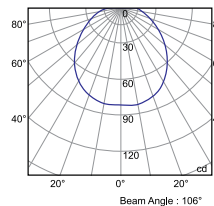


M	LUX
0.5	460
1	115
1.5	51
2	29

$\theta = 146^\circ$

### PALMLITE

Surface mounted fitting with 9W GX53 lamp



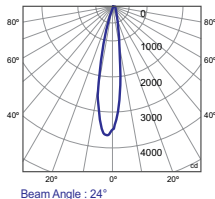
M	LUX
0.5	460
1	115
1.5	51
2	29

$\theta = 106^\circ$

## DOWNLIGHT Indoor

### CONXENTO

For LED AR111 GU10



M	LUX
0.5	14400
1	3600
1.5	1600
2	900

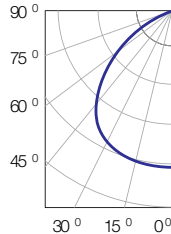
$\theta = 24^\circ$

## WALL FITTINGS Indoor

### SALSA

Wall lamp for GX53 lamp

SALSA with articulated arm | SALSA with flexible arm | SALSA with short arm



M	LUX
0.5	328
1	82
1.5	36
2	21

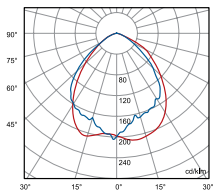
$\theta = 106^\circ$

MAX. CD: 82

## OUTDOOR

### KEPPA

Floodlight for 60W Clusterlite

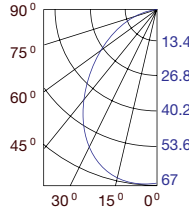


M	LUX
0.5	3376
1	844
1.5	375
2	211

$\theta = 90^\circ$

### ICE

Inground walkover for GX53 lamp



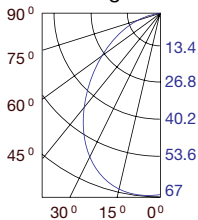
M	LUX
0.5	268
1	67
1.5	30
2	17

$\theta = 88^\circ$

MAX. CD: 67

### LOUISIANA

IP64 wall light for GX53 lamp



MAX. CD: 67





M	LUX
0.5	268
1	67
1.5	30
2	17

$\theta = 88^\circ$





ACCENT LIGHT









MEGAMAN® LED MR16 141962, 141927		HALOGEN MR16	
			
10W	W	50W	
50,000 hrs	☉	2,000 hrs	
100°C	Tc	300°C	
120 kg	CO <sub>2</sub> *	600 kg	
1,200 cd	cd	1,200 cd	
			

\*10WWh = 0.4kg of CO<sub>2</sub> emission





MEGAMAN® LED PAR16 141545, 141595		HALOGEN PAR16	
			
7W	W	35W	
35,000 hrs	☉	2,000 hrs	
90°C	Tc	300°C	
70 kg	CO <sub>2</sub> *	350 kg	
600 cd	cd	600 cd	
			

\*10WWh = 0.4kg of CO<sub>2</sub> emission







MEGAMAN® LED PAR30 141845, 141895		HALOGEN PAR30	
			
15W	W	100W	
50,000 hrs	☉	2,000 hrs	
90°C	Tc	300°C	
180 kg	CO <sub>2</sub> *	1,200 kg	
3,200 cd	cd	3,000 cd	
			

\*10WWh = 0.4kg of CO<sub>2</sub> emission





MEGAMAN® LED PAR38 141832, 141867		HALOGEN PAR38	
			
15W	W	75W	
50,000 hrs	☉	3,000 hrs	
90°C	Tc	300°C	
180 kg	CO <sub>2</sub> *	900 kg	
2,200 cd	cd	2,200 cd	
			

\*10WWh = 0.4kg of CO<sub>2</sub> emission







MEGAMAN® LED AR111 141645, 141754	HALOGEN AR111
	
15W	50W
50,000 hrs	3,000 hrs
90°C	300°C
180 kg	800 kg
3,600 cd	4,000 cd
	

\*1WWh = 0.4kg of CO<sub>2</sub> emission





MEGAMAN® LED AR111 141428, 141457	HALOGEN AR111
	
15W	50W
50,000 hrs	3,000 hrs
90°C	300°C
180 kg	800 kg
1,400 cd	1,008 cd
	

\*1WWh = 0.4kg of CO<sub>2</sub> emission







MEGAMAN® LED AR111 141352, 141390	HALOGEN AR111
	
10W	50W
50,000 hrs	3,000 hrs
90°C	300°C
256 kg	800 kg
3,600 cd	4,000 cd
	

\*1WWh = 0.4kg of CO<sub>2</sub> emission

MEGAMAN® LED AR111 141341, 141368	HALOGEN AR111
	
10W	50W
50,000 hrs	3,000 hrs
90°C	300°C
256 kg	800 kg
16,000 cd	16,000 cd
	

\*1WWh = 0.4kg of CO<sub>2</sub> emission

MEGAMAN® LED AR111 141373, 141319	HALOGEN AR111
	
10W	50W
50,000 hrs	3,000 hrs
90°C	300°C
256 kg	800 kg
1,400 cd	1,000 cd
	

\*1WWh = 0.4kg of CO<sub>2</sub> emission



CATALOGUE CATEGORY	ORDER CODE	PRODUCT DESCRIPTION	CAP	PAGE
LED DIMMING RANGE	141962	10W MR16 Smooth Dimming 20V DC 1-10V 2800K / 36° Beam angle	GU5.3	11
LED DIMMING RANGE	141927	10W MR16 Smooth Dimming 20V DC 1-10V 4000K / 36° Beam angle	GU5.3	11
LED DIMMING RANGE	141976	Driver for 10W MR16, works with DC 1-10V dimmer		11
LED DIMMING RANGE	141341	10W AR111 G53 20V Smooth Dimming 2800K / 8° Beam angle	G53	12
LED DIMMING RANGE	141368	10W AR111 G53 20V Smooth Dimming 4000K / 8° Beam angle	G53	12
LED DIMMING RANGE	141352	10W AR111 G53 20V Smooth Dimming 2800K / 24° Beam angle	G53	12
LED DIMMING RANGE	141390	10W AR111 G53 20V Smooth Dimming 4000K / 24° Beam angle	G53	12
LED DIMMING RANGE	141373	10W AR111 G53 20V Smooth Dimming 2800K / 45° Beam angle	G53	12
LED DIMMING RANGE	141319	10W AR111 G53 20V Smooth Dimming 4000K / 45° Beam angle	G53	12
LED DIMMING RANGE	141382	Driver for the 10W Dimming AR111 20V, works with DC 1-10V dimmer		12
LED DIMMING RANGE	141374	8W PAR16 Smooth Dimming 2800K / 35° Beam angle	GU10	13
LED DIMMING RANGE	141396	8W PAR16 Smooth Dimming 4000K / 35° Beam angle	GU10	13
LED DIMMING RANGE	148515	8W Classic Smooth Dimming (100-10%) opal glass 2700K	E27	13
LED DIMMING RANGE	148546	8W Classic Smooth Dimming (100-10%) opal glass 2700K	B22	13
NON-DIMMING LED	144987	20W PAR38 R9 high red colour rendition 2800K / 25° Beam angle	E27	14
NON-DIMMING LED	144961	20W PAR38 R9 high red colour rendition 4000K / 25° Beam angle	E27	14
NON-DIMMING LED	144392	6W MR16 R9 high red colour rendition 2800K / 24° Beam angle	GU5.3	14
NON-DIMMING LED	144108	6W MR16 R9 high red colour rendition 4000K / 24° Beam angle	GU5.3	14
NON-DIMMING LED	144602	6W MR16 12V special warm colour temp 2400K / 24° Beam angle	GU5.3	15
NON-DIMMING LED	144789	6W MR16 12V special warm colour temp 2400K / 36° Beam angle	GU5.3	15
NON-DIMMING LED	141632	6W MR16 12V 2800K / 24° Beam angle	GU5.3	15
NON-DIMMING LED	141658	6W MR16 12V 4000K / 24° Beam angle	GU5.3	15
NON-DIMMING LED	141683	6W MR16 12V 2800K / 35° Beam angle	GU5.3	15
NON-DIMMING LED	141679	6W MR16 12V 4000K / 35° Beam angle	GU5.3	15
NON-DIMMING LED	141545	7W GU10 PAR16 2800K / 35° Beam angle	GU10	16
NON-DIMMING LED	141595	7W GU10 PAR16 4000K / 35° Beam angle	GU10	16
NON-DIMMING LED	141695	7W R50 2800K / 35° Beam angle	E14	16
NON-DIMMING LED	141795	7W R50 4000K / 35° Beam angle	E14	16
NON-DIMMING LED	141345	8W PAR20 2800K / 30° Beam angle	E27	16
NON-DIMMING LED	141395	8W PAR20 4000K / 30° Beam angle	E27	16
NON-DIMMING LED	141845	15W PAR30 2800K / 24° Beam angle	E27	17
NON-DIMMING LED	141895	15W PAR30 4000K / 24° Beam angle	E27	17
NON-DIMMING LED	141832	15W PAR38 2800K / 30° Beam angle	E27	17
NON-DIMMING LED	141867	15W PAR38 4000K / 30° Beam angle	E27	17
NON-DIMMING LED	141645	15W GU10 AR111 2800K / 24° Beam angle	GU10	18
NON-DIMMING LED	141754	15W GU10 AR111 4000K / 24° Beam angle	GU10	18
NON-DIMMING LED	141428	15W GU10 AR111 2800K / 45° Beam angle	GU10	18
NON-DIMMING LED	141457	15W GU10 AR111 4000K / 45° Beam angle	GU10	18
NON-DIMMING LED	141702	11W G53 AR111 12V 2800K / 24° Beam angle	G53	18
NON-DIMMING LED	141798	11W G53 AR111 12V 4000K / 24° Beam angle	G53	18
NON-DIMMING LED	141735	11W G53 AR111 12V 2800K / 45° Beam angle	G53	18
NON-DIMMING LED	141749	11W G53 AR111 12V 4000K / 45° Beam angle	G53	18
NON-DIMMING LED	147338	5W GX53 30° Beam angle 2800K	GX53	19
NON-DIMMING LED	147190	5W GX53 30° Beam angle 4000K	GX53	19
NON-DIMMING LED	147265	5W GX53 60° Beam angle 2800K	GX53	19
NON-DIMMING LED	147279	5W GX53 60° Beam angle 4000K	GX53	19
NON-DIMMING LED	143857	5W Smooth Frosted Candle 2700K	E14	20
NON-DIMMING LED	143841	5W Smooth Frosted Candle 2700K	B15	20
NON-DIMMING LED	143642	5W Smooth Frosted Candle 2700K	B22	20
NON-DIMMING LED	143653	5W Smooth Clear Candle 2700K	E14	20
NON-DIMMING LED	143254	5W Smooth Clear Candle 2700K	B15	20
NON-DIMMING LED	143739	5W Smooth Clear Candle 2700K	B22	20
NON-DIMMING LED	143513	5W Twisted Gold Candle 2500K	E14	20
NON-DIMMING LED	143521	5W Twisted Gold Candle 2500K	B15	20
NON-DIMMING LED	143547	5W Twisted Gold Candle 2500K	B22	20
NON-DIMMING LED	148191	5W Frosted Golf Ball 2700K	E14	21
NON-DIMMING LED	148922	5W Frosted Golf Ball 2700K	B22	21
NON-DIMMING LED	148172	5W Frosted Golf Ball 2700K	E27	21
NON-DIMMING LED	148410	7W Crown Silver Classic 2700K	E27	21
NON-DIMMING LED	148482	7W Crown Silver Classic 2700K	B22	21
NON-DIMMING LED	F0500627-39910	50W Plateia LED Ceiling Panel 3300K		22
NON-DIMMING LED	F0500628-39910	50W Plateia LED Ceiling Panel 4300K		22

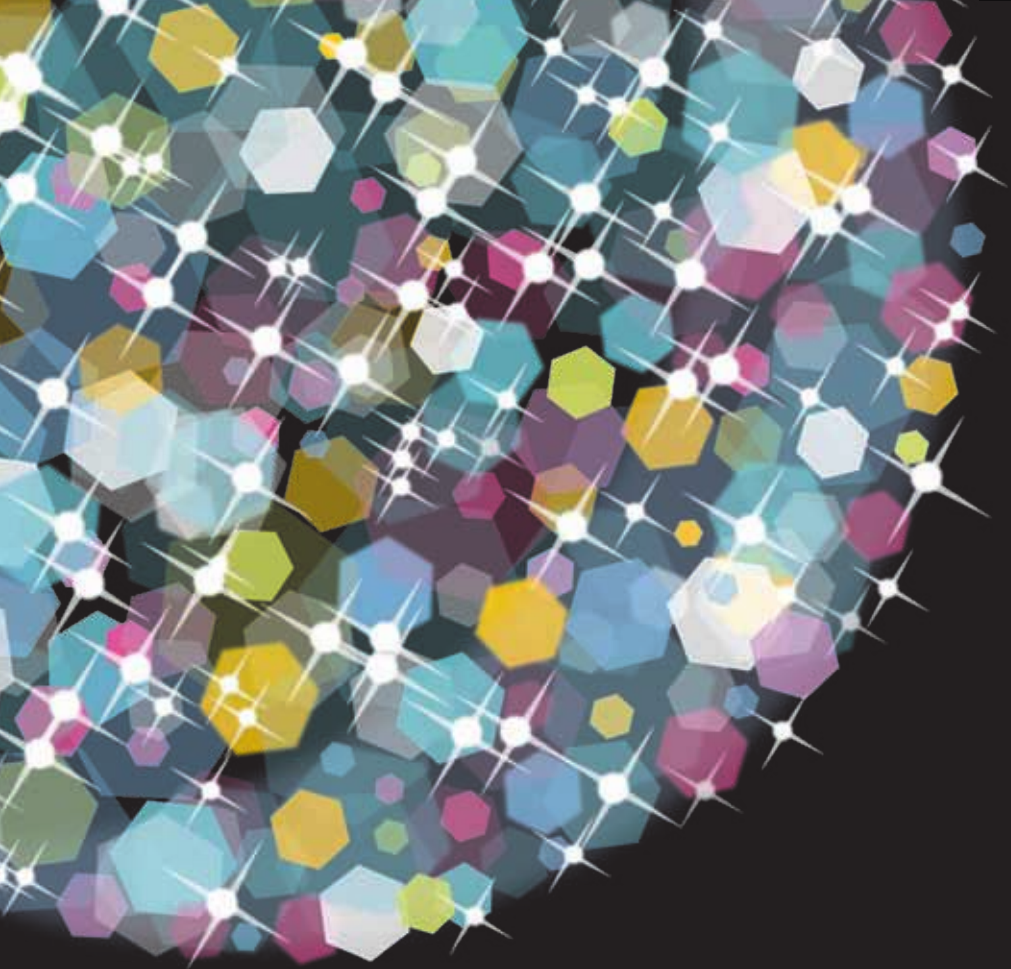
CATALOGUE CATEGORY	ORDER CODE	PRODUCT DESCRIPTION	CAP	PAGE
CFL DIMMERABLE	427867	9W Candle Dimmerable 2700K	E14	25
CFL DIMMERABLE	421767	9W Candle Dimmerable 2700K	E27	25
CFL DIMMERABLE	421821	9W Candle Dimmerable 2700K	B15	25
CFL DIMMERABLE	421766	9W Candle Dimmerable 2700K	B22	25
CFL DIMMERABLE	418567	9W GX53 Dimmerable 3000K	GX53	25
CFL DIMMERABLE	418541	9W GX53 Dimmerable 4000K	GX53	25
CFL DIMMERABLE	461497	11W GU10 Dimmerable with PowerLENS 3000K	GU10	25
CFL DIMMERABLE	461480	11W GU10 Dimmerable with PowerLENS 4000K	GU10	25
CFL DIMMERABLE	127111	11W Tubular Dimmerable 2700K	E27	26
CFL DIMMERABLE	121617	11W Tubular Dimmerable 2700K	B22	26
CFL DIMMERABLE	128129	11W Classic Dimmerable 2700K	E27	26
CFL DIMMERABLE	129713	11W Classic Dimmerable 2700K	B22	26
CFL DIMMERABLE	461329	18W PAR38 Dimmerable 2700K	E27	26
CFL DIMMERABLE	490001	CFL DIMMER MODULE, with minimum level pre-set		26
CFL DorS DIMMING	402942	11W GU10 with built-in Dimmer 3000K	GU10	27
CFL DorS DIMMING	402959	11W GU10 with built-in Dimmer 4000K	GU10	27
CFL DorS DIMMING	400245	11W Classic with built-in Dimmer 2700K	E27	27
CFL DorS DIMMING	400542	11W Classic with built-in Dimmer 2700K	B22	27
CFL NON-DIMMING	614220	7W GU10 reflector with PowerLENS 3000K	GU10	28
CFL NON-DIMMING	614244	7W GU10 reflector with PowerLENS 4000K	GU10	28
CFL NON-DIMMING	614329	9W GU10 reflector with PowerLENS 3000K	GU10	28
CFL NON-DIMMING	614343	9W GU10 reflector with PowerLENS 4000K	GU10	28
CFL NON-DIMMING	614435	11W GU10 reflector with PowerLENS 3000K	GU10	29
CFL NON-DIMMING	614718	11W GU10 reflector with PowerLENS 4000K	GU10	29
CFL NON-DIMMING	614482	11W GU10 reflector with PowerLENS 6500K	GU10	29
CFL NON-DIMMING	614626	14W GU10 reflector with PowerLENS 3000K	GU10	29
CFL NON-DIMMING	614640	14W GU10 reflector with PowerLENS 4000K	GU10	29
CFL NON-DIMMING	615326	7W E14 R50 reflector with PowerLENS 3000K	E14	30
CFL NON-DIMMING	616323	11W E27 R63 reflector with PowerLENS 3000K	E27	30
CFL NON-DIMMING	616897	15W E27 R80 reflector with PowerLENS 3000K	E27	30
CFL NON-DIMMING	163120	15W PAR30 3000K	E27	31
CFL NON-DIMMING	162024	20W PAR 38 2700K / IP54 Rated	E27	31
CFL NON-DIMMING	710126	9W GX53 with silicone cover 2700K	GX53	32
CFL NON-DIMMING	711267	9W GX53 with silicone cover 3000K	GX53	32
CFL NON-DIMMING	710140	9W GX53 with silicone cover 4000K	GX53	32
CFL NON-DIMMING	710232	13W Hi-Lite GX53 with frosted glass cover 3000K	GX53	32
CFL NON-DIMMING	710249	13W Hi-Lite GX53 with frosted glass cover 4000K	GX53	32
CFL NON-DIMMING	940233	7W Smooth Frosted Candle with silicone sleeve 2700K	E14	33
CFL NON-DIMMING	941650	7W Smooth Frosted Candle with silicone sleeve 2700K	B15	33
CFL NON-DIMMING	108022	7W Smooth Frosted Candle with silicone sleeve 2700K	E27	33
CFL NON-DIMMING	138029	7W Smooth Frosted Candle with silicone sleeve 2700K	B22	33
CFL NON-DIMMING	119028	9W Smooth Frosted Candle with silicone sleeve 2700K	E14	33
CFL NON-DIMMING	103161	9W Smooth Frosted Candle with silicone sleeve 2700K	B15	33
CFL NON-DIMMING	139026	9W Smooth Frosted Candle with silicone sleeve 2700K	B22	33
CFL NON-DIMMING	181124	7W Ping-Pong 2700K	E14	34
CFL NON-DIMMING	191123	7W Ping-Pong 2700K	E27	34
CFL NON-DIMMING	101402	7W Ping-Pong 2700K	B22	34

CATALOGUE CATEGORY	ORDER CODE	PRODUCT DESCRIPTION	CAP	PAGE
CFL NON-DIMMING	940035	7W Ultra Compact Golf Ball 2700K	E14	34
CFL NON-DIMMING	190126	7W Ultra Compact Golf Ball 2700K	E27	34
CFL NON-DIMMING	192120	7W Ultra Compact Golf Ball 2700K	B22	34
CFL NON-DIMMING	903048	11W Ultra Compact Classic 2700K	E27	35
CFL NON-DIMMING	903123	11W Ultra Compact Classic 2700K	B22	35
CFL NON-DIMMING	940431	11W Compact Classic 2700K	E27	35
CFL NON-DIMMING	940486	11W Compact Classic 2700K	B22	35
CFL NON-DIMMING	105001	18W Compact Classic 2700K	E27	35
CFL NON-DIMMING	105991	18W Compact Classic 2700K	B22	35
CFL NON-DIMMING	210176	20W Classic 2700K	E27	36
CFL NON-DIMMING	017225	20W Classic 2700K	B22	36
CFL NON-DIMMING	933205	20W Globe 2700K	E27	36
CFL NON-DIMMING	941377	20W Globe 2700K	B22	36
CFL NON-DIMMING	897979	50W Clusterlite Globe 4000K	E27	36
CFL NON-DIMMING	402300	15W Sensor Classic 2700K	E27	37
CFL NON-DIMMING	403277	15W Sensor Classic 2700K	B22	37
CFL NON-DIMMING	308125	8W Liliput 2700K	E27	38
CFL NON-DIMMING	308224	8W Liliput 2700K	B22	38
CFL NON-DIMMING	311125	11W Liliput 2700K	E27	38
CFL NON-DIMMING	311224	11W Liliput 2700K	B22	38
CFL NON-DIMMING	314164	14W Liliput 2700K	E27	38
CFL NON-DIMMING	314225	14W Liliput 2700K	B22	38
CFL NON-DIMMING	319121	20W Compact Tubular 2700K	E27	39
CFL NON-DIMMING	319022	20W Compact Tubular 2700K	B22	39
CFL NON-DIMMING	303021	30W Compact Tubular 2700K	E27	39
CFL NON-DIMMING	303229	30W Compact Tubular 2700K	B22	39
CFL NON-DIMMING	104221	7W GU9 Tube 3000K	GU9	40
CFL NON-DIMMING	104326	9W GU9 Tube 3000K	GU9	40
CFL NON-DIMMING	104362	GU9 lamp holder	GU9	40
CFL NON-DIMMING	109227	24W R7s 3000K	R7s	40
CFL NON-DIMMING	109241	24W R7s 4000K	R7s	40
CFL NON-DIMMING	821040	40W Integrated Ballast Clusterlite 3000K	E27	41
CFL NON-DIMMING	807143	40W Integrated Ballast Clusterlite 4000K	E27	41
CFL NON-DIMMING	821060	60W Integrated Ballast Clusterlite 3000K	E27	41
CFL NON-DIMMING	808140	60W Integrated Ballast Clusterlite 4000K	E27	41
CFL NON-DIMMING	872378	80W Integrated Ballast Clusterlite 3000K	E40	41
CFL NON-DIMMING	871691	80W Integrated Ballast Clusterlite 4000K	E40	41
CFL NON-DIMMING	874611	100W Integrated Ballast Clusterlite 3000K	E40	42
CFL NON-DIMMING	879981	100W Integrated Ballast Clusterlite 4000K	E40	42
CFL NON-DIMMING	876243	100W Integrated Ballast Clusterlite 6500K	E40	42
CFL NON-DIMMING	821230	200W Clusterlite with External power supply 3000K	E40	42
CFL NON-DIMMING	821200	200W Clusterlite with External power supply 4000K	E40	42
CFL NON-DIMMING	876802	200W Clusterlite with External power supply 6500K	E40	42
CFL NON-DIMMING	841200	Power supply for 200W Clusterlite	M4 Fixing Brackets	42

CATALOGUE CATEGORY	ORDER CODE	PRODUCT DESCRIPTION	CAP	PAGE
FIXTURES	771530	MAX adjustable downlight White with 11W GU10	GU10	44
FIXTURES	771639	MAX adjustable downlight Silver with 11W GU10	GU10	44
FIXTURES	771738	MAX adjustable downlight Gold with 11W GU10	GU10	44
FIXTURES	F0500221-00010	Round Opera downlight, Powdered Matt White - IP64	GU10	44
FIXTURES	F0500224-00010	Round Opera downlight, Matt Chrome - IP64	GU10	44
FIXTURES	984532	Conxento adjustable downlight White	GU10	45
FIXTURES	984721	Conxento adjustable downlight Silver	GU10	45
FIXTURES	F0500189-00010	Cronos fixed downlight Powdered Matt White	GX53	45
FIXTURES	F0500240-00010	Cronos fixed downlight Matt Chrome	GX53	45
FIXTURES	F0500158-00010	Hydra downlight Powdered Matt White with reflector IP64	GX53	45
FIXTURES	F0500159-00010	Hydra downlight Matt Chrome with reflector IP64	GX53	45
FIXTURES	703222	Planex - White GX53 recessed downlight	GX53	46
FIXTURES	703253	Planex - Silver GX53 recessed downlight	GX53	46
FIXTURES	722020	Palmlite - White GX53 surface fixture	GX53	46
FIXTURES	722426	Palmlite - Silver GX53 surface fixture	GX53	46
FIXTURES	F0500265-0010	Salsa articulated arm Matt Chrome	GX53	47
FIXTURES	F0500264-0010	Salsa flexible arm Matt Chrome	GX53	47
FIXTURES	F0500263-0010	Salsa short arm Matt Chrome	GX53	47
FIXTURES	703291	Keppa Floodlight for Clusterlite 60W lamp	E27	48
FIXTURES	F0500467-00010	ICE Walkover Stainless Steel IP67	GX53	48
FIXTURES	F0500247-00010	Louisiana up or down wall lamp Powdered Matt Silver, IP64	GX53	49
FIXTURES	F0500248-00010	Louisiana up and down wall lamp Powdered Matt Silver, IP64	GX53	49
EMERGENCY PACK	EGM0709	7W - 9W Emergency pack		50
EMERGENCY PACK	EGM1113	11W - 13W Emergency Pack		50
EMERGENCY PACK	EGM1114	14W Emergency Pack		50







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