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Spikelights • Pedestal Lights • LED Lighting
Dusk to Dawn Lights • Motion Sensor Lights



Lumena



Lumena Lights Ltd.

12v Outdoor Lighting

2013 / 2014 Catalogue



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Lumena 12v Outdoor Lighting

An Introduction



When I started Lumena Lights in 2010 I knew that in order to succeed we would have to be better than the competition. We needed better products, a better service, and reasonable pricing offering real value for money.

In 2012 I researched the 12v garden lighting market. I found that there were some very high quality products at one end of the market with high prices to match, and some rather poor quality products at the low end, which although functional would be unlikely to last more than a few seasons. The middle market was therefore where I decided to place the Lumena products, focusing on high quality but at affordable prices.

I paid extra attention in researching LEDs, I concluded that LED lights are the future; there is no doubt about that. However, rather like the computer market where specifications improve every year but prices remain the same or even reduce, the LED market is changing rapidly with higher lumens per watt output, (brighter lamps at lower wattages), and lower prices every year.

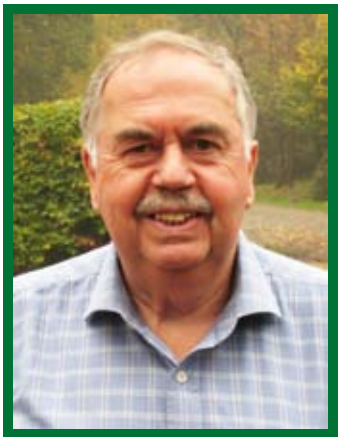
The principle behind the century old tradition of changeable light bulbs remains as strong today as ever. If brighter or dimmer light is required simply change the bulb. This cannot be done with built in LED's, plus if the LED should fail, which can happen from time to time, the complete light will have to be replaced costing much time and money even if the light is under warranty. This is why we at Lumena have opted for models using a plug in replaceable LED bulb. We stock at least one LED lamp option for each of our 12v lights, however a wide variety are available in specialist shops, and of course online.

Another questionable area was "Plug and Go". This is promoted as ideal for the DIY installer; however it is very limited and for the serious garden designer, not an option. I have looked at the easy to use waterproof junction boxes available and decided that it is not difficult to have a totally versatile system using them. A competent electrician will have no problem in installing a Lumena system.

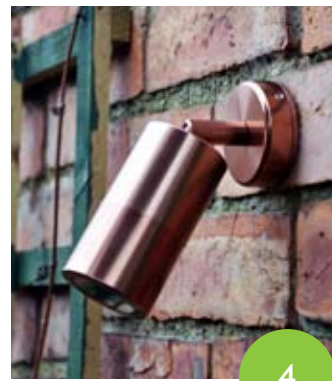
Another issue was transformers. To keep things simple, all Lumena 12v garden lights use the same type of 12v A/C transformer. There is no need to worry about electronic transformers or DC transformers, all that needs to be considered is the wattage, according to the total wattage consumed by the lights included in the 12v system.

We have chosen the best products available from a number of manufacturers. Of paramount importance was the durability of the products, as well as ease of use and of course, style. We have chosen some anodised aluminium spotlights alongside the traditional stainless steel and natural copper designs. Anodising is a much better finish than powder coating. In time the aluminium under the powder coated paint will oxidise and show through; this cannot happen with anodised products as the outer surface has already been oxidised to form the final finish.

I hope you like our initial range. I would appreciate any feedback and suggestions for future products.



Martin Bennett
Managing Director
Lumena Lights Ltd.



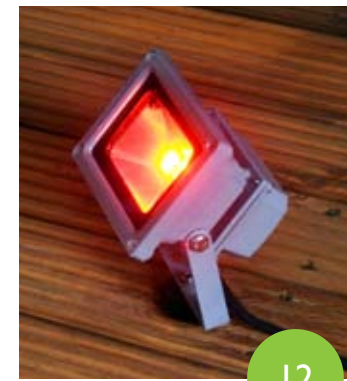
Wall Spotlights

4



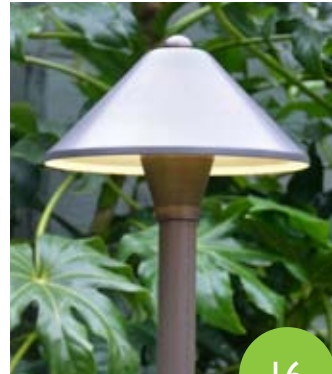
Spikelights

6



Floodlights

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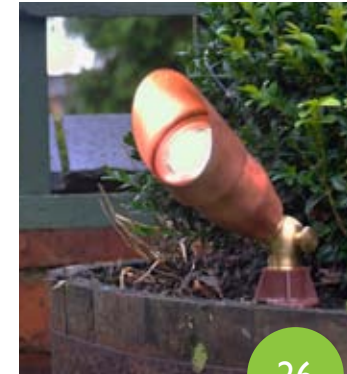
Spreadlights

16



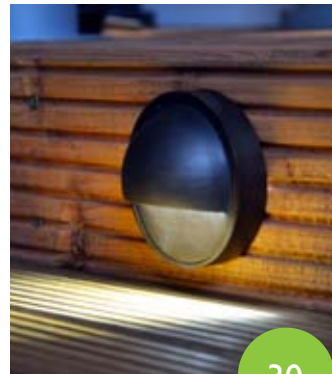
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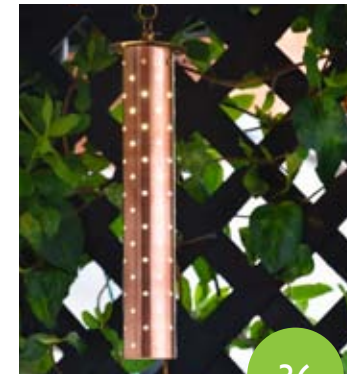
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For all enquiries please call 01327 871161

SMARTSPOT - 12v MR16 Spotlight

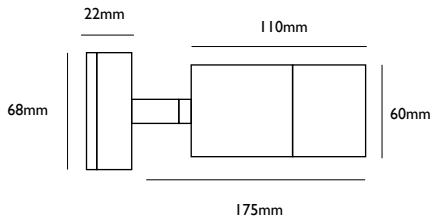
1 Titanium - LSPI6T

2 Black - LSPI6B

3 Cocoa - LSPI6C



The modern 12v 'Smartspot' is a contemporary fully adjustable single spotlight designed to house MR16 lamps including LED types with longer than normal body sizes. Different to many other models, the 'Smartspot' is made from high specification 3mm thick (approx.) anodised aluminium for extra durability, and has a high IP65 waterproof rating. The anodised material also adds a unique look and feel to the spotlight, the Cocoa, (copper look-a-like) finish being a perfect example of this. There are three colours available; Black, Titanium and Cocoa, adding style wherever they are situated. They are especially suited for use in coastal environments as the anodised finish is extremely resistant to salt corrosion and oxidation.



Anodised



Anodising is a chemical process used to increase the thickness of the layer on the surface of a metal. Anodising increases corrosion resistance and wear resistance greatly.

240v version also available for GU10 lamps

12v

Adjustable

IP65



MR16

Max
50w

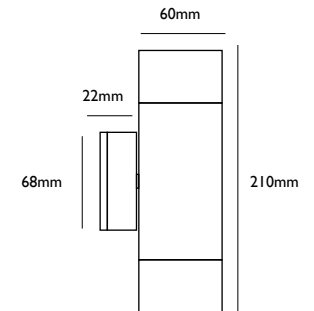
HILOSPOT - 12v MR16 Twin Spotlight

The 12v 'Hilospot' twin spotlight is a stylish uplight and downlight in one, designed for 2 x MR16 lamps. The lighting effect from the 'Hilospot' is a combination of direct and decorative downlighting and uplighting. The double spotlight shares many design specifications with the 'Smartspot', notably the unique 3mm thick, high specification anodised aluminium used for extra durability, an IP65 rating and three contemporary finishes.

1 Titanium - LTWI6T

2 Black - LTWI6B

3 Cocoa - LTWI6C



Unlike the majority of other spotlights, the only external fixings on the anodised spotlights are the small hexagonal sockets located on the outer side of the wall fixing. This adds to the streamline and stylish finish, and also means easier access and less maintenance.

This type of fixing also enables the 'Hilospot' to be adjusted to shine in any direction, not just up or down.

240v version also available for GU10 lamps

12v

IP65



MR16

Max
50w

SMARTSPIKE 60 - 12v MR16 Spotlight with Ground Spike

The 'Smartspike 60' is a 60mm diameter spotlight with a long anodised mounting spike, ideal for use in any garden or outdoor space to highlight plants, trees or garden borders. The 3mm thick anodised aluminium body and tempered glass diffusers provide added durability to this IP65 outdoor spot light. Three stylish anodised options are available as well as similar natural copper and stainless steel options (see p8 & 9). Matching adjustable and twin spot lights are also available (p4 & 5).

1 Titanium - LSPK60T-12V

2 Black - LSPK60B-12V

3 Cocoa - LSPK60C-12V



240v version also available for GU10 lamps

- 2m of 0.75mm² H05RN-F Cable Included
- Spike Length 486mm
- Tempered Glass Diffusers

12v

IP65



Max
50w

Anodised



Anodising is a chemical process used to increase the thickness of the layer on the surface of a metal. Anodising increases corrosion resistance and wear resistance greatly.

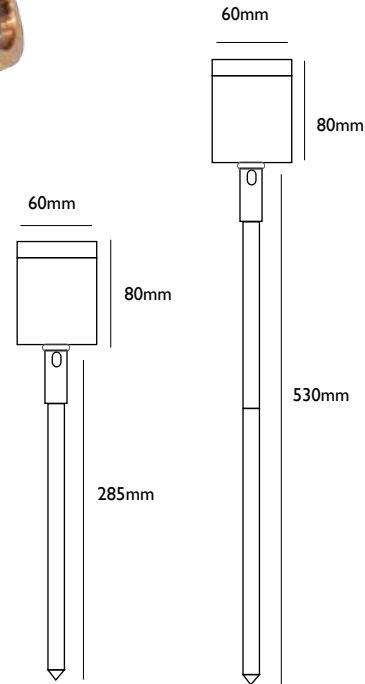


SMARTSPIKE 60 - MR16 Spotlight with Ground Spike

The 'Smartspike 60' spikelights in traditional high quality classic copper, and marine grade 316 stainless steel, have a slightly shorter body and spike compared to the anodised options but are very similar in many ways. Both of these options provide added durability to this IP65 outdoor spot light, being highly weather resistant and rust proof. The classic copper model has an adjustable brass neck as an added design feature. The stainless steel and classic copper 'Smartspike' options look fantastic throughout the garden, along pathways or to highlight specific features. To add height to these Spikelights, a 245mm extension rod is available in both finishes. An MR16 lamp will fit into the 'Smartspike' spotlights, Lumena recommend an LED MR16 bulb in order to save the most energy and to achieve better functionality in 12v lighting systems.

1 316 Stainless Steel - LSPK60S-12V

2 Classic Copper - LSPK60CP-12V



With 245mm Extension Rod

240v version also available for GU10 lamps

12v

Adjustable

IP65



Max
35w

- 2m of 0.75mm² H05RN-F Cable Included
- 245mm Extension Rod Available

Find our full range online at www.lumenalights.com

245mm Extension Rods

1 SPKEX245SS

316 Stainless Steel

2 SPKEX245CP

Classic Copper

Instantly add height and versatility to the Smartspike 60 with the 245mm extension rod to fit between the adjustable joint at the top of existing spike and existing rod. Please note, these rods do not fit the anodised spikelights on p6 & p7

Garden lights made from Copper will weather over time to create a natural mottled effect that blends in with outdoor surroundings such as garden bricks, plants and tree bark. After a longer amount of time a 'Verdigris' effect may be present.

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SMARTSPIKE 40 - 12v MR11 Spotlight with Ground Spike

The 'Smartspike 40' spikelight is a stylish 44mm diameter mini spotlight with an MR11 fitting, ideal for use in any garden or outdoor space to highlight smaller plants, trees or statues. The 5.7mm thick anodised aluminium / stainless steel body and tempered glass diffuser provide added durability to this IP65 miniature outdoor spot light. Four finishes are available, three of which are anodised aluminium - Black, Titanium, Cocoa - and one model made from 316 Stainless Steel. With a spike length of nearly half a metre, the 'Spikelight 40' will fit in well with taller planting as well as mounting into lower garden areas.

1 Titanium - LSPK40T

2 Black - LSPK40B

3 Cocoa - LSPK40C

4 316 Stainless Steel - LSPK40S



494mm

44mm

- 5.7mm thick Anodised Aluminium Body
- Spike Length: 494mm
- 2m of 0.75mm² H05RN-F Cable Included

Anodised

12v

Adjustable

IP65



Max
35w

LUXORA 12v LED 10w Daylight White Floodlight with Ground Spike

The 'Luxora' 12v 10w LED Floodlight uses a powerful single 10w LED in Daylight White, (6500k), to emit a clear bright light, ideal for lighting up specific areas of the garden or upstanding features such as statues. An aluminium ground spike is supplied for easy mounting into soft ground such as grass or soil. The floodlight can also be fixed to walls or other surfaces using the built in bracket.

1 10w LED Floodlight - LXLED10-12V

- Colour Temperature: 6500k (Daylight White)
- Die Cast Aluminium
- Aluminium Ground Spike Included (Length 70mm)
- 1.5m 12V 2 Core Rubber Cable Included



Aluminium ground spike included



Find our full range online at www.lumenlights.com

LUXORA 12v LED 10w RGB Floodlight with Ground Spike

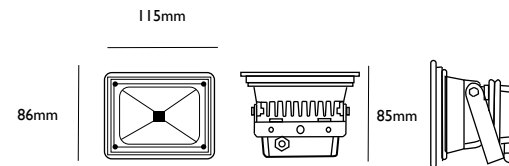
The 'Luxora' RGB 12v floodlight is ideal for creative garden lighting effects including uplighting outdoor focal points such as statues, plants or trees. Coloured floodlights are very effective when used for 'wall washing' outdoor walls with an even coverage of light and colour.

Housed inside the 12v flood light is a powerful built in 10w LED (RGB), which is a row of red LEDs, green LEDs and blue LEDs. The RGB LEDs then work together, operated by the included remote control, to create 16 different colours and more than 8 colour changing effect modes - a colour and effect for every mood and occasion.

This coloured LED flood light is supplied complete with an aluminium ground spike for easy mounting into soft ground such as grass or flower beds and also has an adjustable mounting bracket, allowing the floodlight to be angled in various positions and mounted to a wall if required.

2 10w LED RGB Floodlight - LXRGB10-12V

- Remote control operated. (Included)
- 16 colours (various shades of red, orange, yellow, green, blue, purple, white)
- Light Settings: Flash, Strobe, Fade, Smooth, Still
- Die Cast Aluminium
- Aluminium Ground Spike Included (Length 70mm)
- 1.5m 12V 2 Core Rubber Cable Included



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CHARLESTON COBRA MODULAR MOUNTING

The entire range of Charleston Cobra, (Copper & Brass), spotlights and spreadlights use the same size thread stem (0.75 inches) which makes them extremely versatile when considering mounting options.

All garden spotlights and spreadlights within the Cobra range are supplied with either a ground spike or a wall/tree bracket, however Lumena supply a variety of adaptable accessories which enables all of these lights to be mounted on any surface, be it in soft ground, on decking or on a tree. Below are the different mounting options available for each product.

Spreadlights

All Spreadlights are supplied with a polycarbonate ground spike so that they can be mounted directly into soft ground, however using the Charleston Brass Base, they can also be mounted on decking or any virtually flat surface.

Tree Lights

The Director Tree Lights are supplied with a bracket enabling easy fixing to a tree or wall. This bracket can be removed and replaced effortlessly with a polycarbonate or brass spike to allow the light to be mounted directly into the ground, or surface mounted using the brass base.

Uplights

The Director Uplights, supplied with ground spike, can also be mounted on decking or a flat surface using the brass base.

A selection of extension poles (300mm, 900mm and extendable) are also available to increase the height of any of the spotlights and spreadlights above. These can be used alongside both ground spikes and the brass base to create a completely new product.

All accessories are sold separately as a "mix and match" range.

1 Charleston Brass Spike - LCBR-SPKB



2 Charleston Brass Base - LCBR-MNTB



Extension Poles



3 LCBR - 300R

4 LCBR -STEM

5 LCBR - 900R

300mm

Adjustable
450mm - 750mm

900mm

Full range of accessories on page 41/42

Each Charleston design is supplied with one mounting option.

Original Product (p22)

Director Tree Light - Rustic Bronze - LCBRDTB

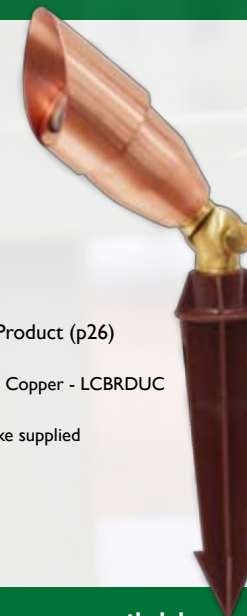
Ball joint and detachable mounting base



Original Product (p26)

Director Uplight - Copper - LCBRDUC

Polycarbonate spike supplied



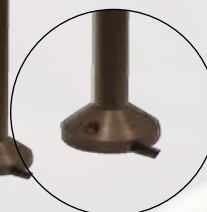
↓ A variety of versatile, adaptable accessories are available... ↓

Director Uplight

Using the solid brass spike instead of the supplied polycarbonate spike for extra style & stability

'Coolie' Spreadlight

Shown here with the round brass base instead of the supplied polycarbonate spike. With this base, any Charleston product can be fixed to solid surfaces such as decking.



Director Tree Light

Here used with the solid brass spike & adjustable extension rod for a completely unique & elegant 12v lighting feature



... so that any light can be fixed to any surface.

COPPER SPREADLIGHT - 12v G4 Copper Spreadlight

This stylish, copper 12v Spreadlight with brass neck detail is the ideal solution for lighting pathways, flower beds and areas of low planting. The shade has a white powder coated underside to greatly enhance and reflect the light downwards. Due to the angle of the shade, the light emitted is spread over a wide area. This is known as spreadlighting. It is also supplied complete with a larger than standard, robust polycarbonate ground spike for easy mounting. The Copper spreadlight has a G4 fitting which will fit an LED G4 Capsule, (available from Lumena), the ideal replacement for 12v Halogen G4 bulbs, lasting longer and reducing the amount of energy consumed.

12v Copper Spreadlight - LCBR-SPC

- Natural Copper and Brass
- 2m 2 Core H05RN-F Cable Included
- Spike Dimensions: 225mm x 50mm

Also available as an extra mounting option:

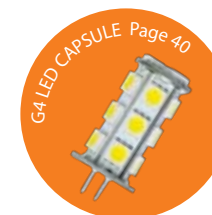
The Charleston Solid Brass Spike

Charleston Solid Brass Spike
LCBR-SPKB

Suitable for all Charleston Cobra
Spreadlights & Spotlights



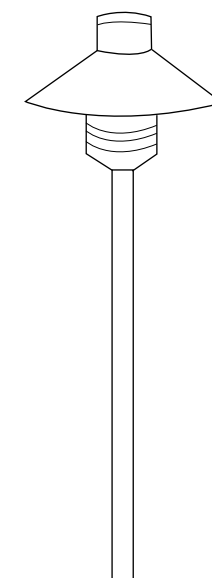
p42



157mm



A Robust 220mm polycarbonate spike with 4 fins and anchor is provided for easy and extra secure fixing



560mm

Garden lights made from Copper will weather over time to create a natural mottled effect that blends in with outdoor surroundings such as garden bricks, plants and tree bark. After a longer amount of time a 'Verdigris' effect may be present.

12v

IP54

G4

Max
50w

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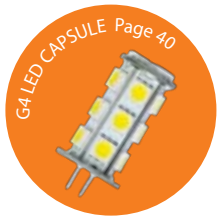
BRASS SPREADLIGHT - 12v G4 Brass Spreadlight - Rustic Bronze

The 12v Spreadlight is available in traditional brass with a bronze finish. Due to the wide angle of the large shade, the light emitted is spread over a wider area, (approx. 100°), compared to that of shades with a more acute angle. The shade design has a white powder coated underside to greatly enhance the light emitted. This larger brass design is supplied complete with a large robust 4 fin polycarbonate ground spike with anchor, for easy and extra stable mounting into soil. All Lumena spreadlights have a G4 fitting which will fit an LED G4 Capsule, (available from Lumena), the ideal replacement for 12v Halogen G4 bulbs, lasting longer and reducing the amount of energy consumed. The bulb is housed in a cylindrical polycarbonate diffuser which the shade simply secures onto by pushing down firmly.

To provide maximum versatility for the large brass Spreadlight there are three different sizes of extension poles available. Areas of taller planting or trees can therefore be illuminated and a lighting design theme can be kept consistent throughout the garden without having to buy separate larger lighting. The extension poles are available in 330mm (12 Inch), 945mm (36 inch) options as well as an adjustable option, 450mm - 750mm (17inch - 29inch).

1 Spreadlight- Brass - Rustic Bronze Finish - LCBR-SPB

- Rustic bronze finish
- 1.5m 2 Core H05RN-F Cable Included
- Spike Dimensions 220mm x 75mm



A Robust 220mm polycarbonate spike with 4 fins and anchor is provided for easy and extra secure fixing

Extension Poles

Suitable for all Charleston Cobra Spreadlights & Spotlights



Find our full range online at www.lumenalights.com



195mm



560mm

12v

IP54

G4

Max
50w

For other mounting options see page 42.

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'COOLIE' - 12v G4 Brass Spreadlight - Rustic Bronze

The 'Coolie' 12v Spreadlight is made from traditional brass with a classic bronze finish. The underside of the spreadlight shade has a white powder coated finish to greatly enhance the brightness of the light, and creates a beam angle of approximately 90°. The 'Coolie' is designed to fit a G4 bulb; Lumena recommend an LED G4 Capsule, the ideal replacement for 12v Halogen G4 bulbs, lasting longer and reducing the amount of energy consumed. The bulb is housed in a polycarbonate dome cover at the top of the stem for protection. A robust 4 fin polycarbonate ground spike with anchor is supplied, for easy and secure mounting into the ground.

Also available as an extra mounting option.

Spreadlight - Brass - Rustic Bronze Finish - LCBR-SPBN

- Rustic Bronze Finish
- 2m 2 Core H05RN-F Cable Included
- Spike Dimensions: 225mm x 50mm

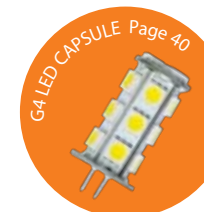
The Charleston Brass Base

Charleston Brass Base
LCBR-MNTB

Suitable for all Charleston Cobra
Spreadlights & Spotlights



p42



A Robust 225mm polycarbonate spike with 4 fins and anchor is provided for easy and extra secure fixing



175mm

535mm



For other mounting options see page 42.

12v

IP44

G4



Max
20w

DIRECTOR TREE LIGHT - 12v MR16 Brass Spotlight - Rustic Bronze

The robust 'Director' Tree Light is a versatile 12v brass spotlight that can be fixed anywhere in the garden including trees, decking or raised areas of garden wall. The 'Director' can be adjusted to point at most heights in any direction due to the 360° ball joint at the product base. An alternative style is available in a traditional copper finish.

This brass spotlight is extra durable with an IP54 rating, and looks stylish in traditional or modern gardens, blending in well with natural surroundings. The 'Director' is designed to be used with an MR16 bulb which is easily fitted and replaced. The main body is removed with a simple twist and pull action and twisted clockwise to secure; no external screws are required. This enhances the streamline and classic design quality, and also means easier access and less maintenance.

Director Tree Light - Rustic Bronze - LCBR-DTB

- Convex Glass Lens
- 1.5m H05RN-F 0.75mm² 2 Core Rubber Cable Included
- Removable Mounting Bracket

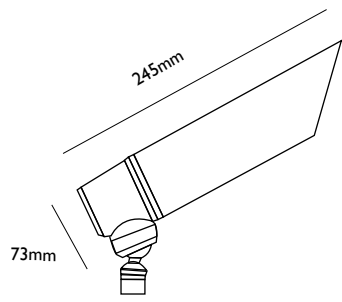


p42

Extra mounting options available

- Adjustable Extension Pole
- Charleston Solid Brass Spike

Suitable for all Charleston Cobra Spreadlights & Spotlights



With its extra long tubular body, integrated glare shield and convex lens, the Director Tree Light shines light in a more concentrated narrow beam, ideal to emphasise individual focal points.



12v

IP54

Max
50w

Adjustable

For other mounting options see page 42

DIRECTOR TREE LIGHT - 12v MR16 Copper Spotlight

The 'Director' Tree Light in Traditional Copper has a solid brass serated clamp joint and wall fixing. It can be fixed anywhere in the garden including trees, decking or raised areas of garden wall. The 'Director' can be adjusted to point at any angle up to 180° due to the serated joint clamp at the product base.

It is extra durable with an IP54 rating, and looks stunning in traditional or modern gardens. The main body of the 'Director' is designed to fit an MR16 bulb and simply twists anti-clockwise and back to secure; no external screws are required. This enhances the streamline and classic design quality, and also results in easier access and less maintenance.

1 Director Tree Light - Copper - LCBR-DTC

- Convex Glass Lens
- 1.5m H05RN-F 0.75mm² 2 Core Rubber Cable Included
- Removable Mounting Bracket



With its tubular body, integrated glare shield and convex lens, the Director Tree Light shines light in a more concentrated narrow beam, ideal to emphasise individual focal points.

Garden lights made from Copper will weather over time to create a natural mottled effect that blends in with outdoor surroundings such as garden bricks, plants and tree bark. After a longer amount of time a 'Verdigris' effect may be present.

For other mounting options see page 42.

12v

IP54

Max
50w

Adjustable

DIRECTOR UPLIGHT - 12v MRI6 Outdoor Spotlight - Copper

The 'Director' Uplight is a versatile 12v spike light supplied with a large, extra durable polycarbonate ground spike for anchorage and stability when fixed into soft ground. It is ideal for uplighting plants, shrubs, trees, statues and ornaments, and adds a classic, elegant look to any garden. Easily adjustable by a brass serated clamp joint, it can shine in various directions and angles up to 180°. The tubular body of the 'Director' Uplight, convex lens and integrated glare shield, results in the light shining in a narrow, more concentrated beam, ideal to emphasise individual areas or items in the garden.

This classic IP54 copper spotlight requires an MR16 LED or halogen lamp which can be easily installed and replaced by twisting the top of the main body anti-clockwise and back again to secure. This simple method of using rubber grips rather than external screws means the fitting is even more waterproof, makes maintenance easier and less likely, and adds to the overall appearance with no screws on show to ruin the finish.

1 Director Uplight - Copper - LCBR-DUC

- Convex Glass Lens
- 1.5m VDE H05RN-F 0.75mm² 2 Core Rubber Cable Included
- Large Polycarbonate Ground Spike Supplied
- Spike Dimensions: (L) 220mm x (W) 55mm



For other
mounting
options
see page 42

12v

IP54

MRI6

Max
50w

Adjustable

DIRECTOR UPLIGHT - 12v MR16 Brass Spotlight - Rustic Bronze

The 12v Brass 'Director' Uplight has a rustic bronze finish. A large, extra durable polycarbonate ground spike is supplied for anchorage and stability for fixing into soft ground. It is ideal for uplighting plants, shrubs, trees, statues or ornaments, and adds a classically elegant look to any garden. Easily adjustable by a serated clamp joint, it can shine in various directions and angles up to 180°. The tubular body of the brass 'Director' uplight, convex lens and integrated glare shield results in the light shining in a narrow, concentrated beam, ideal to emphasise individual focal points in the garden.

This classic, IP54 bronze finish spotlight requires an MR16 LED or halogen lamp which can be easily installed and replaced by twisting the top of the main body anti-clockwise, and twisted back again to secure. This simple method of using rubber grips rather than external screws means the fitting is even more waterproof, and makes maintenance easier and less likely.

2 Director Uplight - Rustic Bronze - LCBR-DUB

- Convex Glass Lens
- 1.5m H05RN-F 0.75mm² 2 Core Rubber Cable Included
- Large Polycarbonate Ground Spike supplied
- Spike Dimensions: (L) 220mm x (W) 55mm

Also available as an extra mounting option.

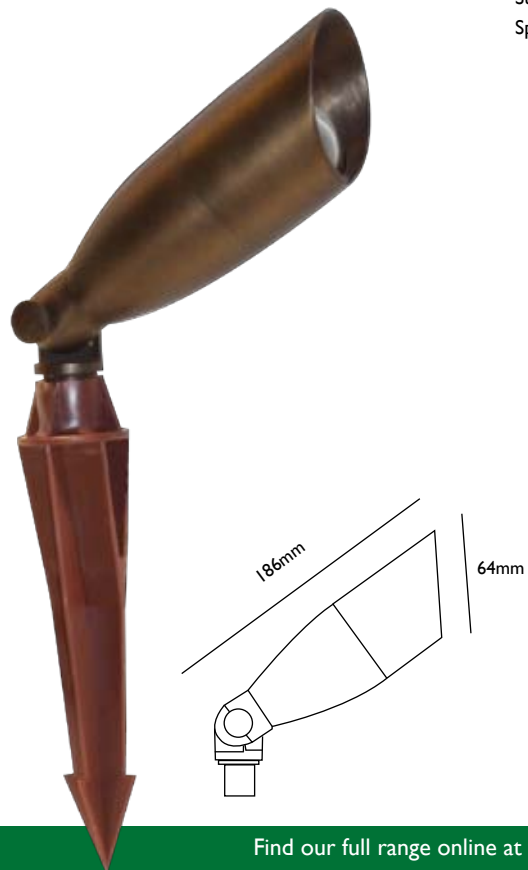
The Charleston Brass Base

Charleston Brass Base
LCBR-MNTB

Suitable for all Charleston Cobra
Spreadlights & Spotlights



p42



12v

IP54

MR16

Max
50w

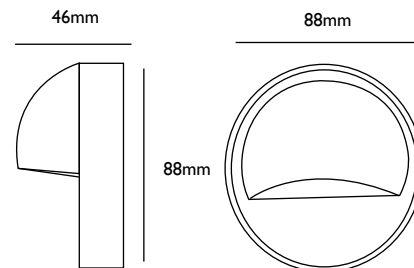
Adjustable

EYELITE - 12v G4 Brass Steplight - Bronze Finish

This solid brass 'Eyelite' Steplight with bronze finish is a versatile 12v surface mount light ideal for lighting stepped areas, either mounted on walls next to steps, or on the steps themselves. The 'eye lid' design results in all light shining downwards evenly and without glare, which makes it perfect for the function of lighting steps.

A mirrored reflector inside the step light ensures all light is emitted outwards, with a clear polycarbonate lens diffusing the light evenly. The 'Eyelite' is both robust and stylish, with a high IP rating of IP65. Like the 'Slatlite', (see page 32), the 'Eyelite' has no external screws and twists securely on and off from the back. It can therefore be angled at 90° to provide unique lighting effects from the side. The steplight requires a G4 lamp, Lumena recommend the use of the LED G4 capsule. The bright, cool white LED G4 saves more energy and has a much longer life span than a standard halogen G4.

Eyelite Solid Brass Steplight - LCBR-ESLB



- Polycarbonate lens and mirrored reflector
- 1.5m H05RN-F 0.75mm² 2 Core Rubber Cable provided
- Recommended Lamp: LED G4 - 4500K Cool White

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12v

IP65



G4

Max
50w

web: www.lumenalights.com

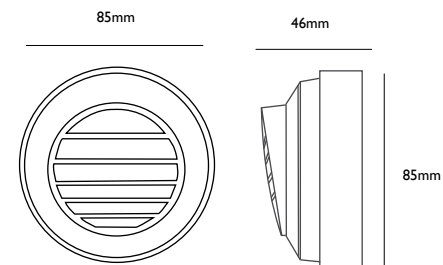
email: sales@lumenalights.com

Tel: 01327 871161

SLATLITE - 12v G4 Brass Steplight - Bronze Finish

The solid brass 'Slatlite' steplight is a versatile 12v surface mount light with a bronze finish, suitable for step lighting, decking, and walls next to steps. The louvered design creates a more subtle light than a full spotlight, shining the light downwards at an angle. There is a mirrored reflector and clear polycarbonate lens inside, which enhances and diffuses the light outwards evenly. The extra durable 'Slatlite' is robust and stylish, with a high IP rating of IP65. The front of the 'Slatlite' has no external screws and simply twists securely on and off from the back. It can therefore be twisted to various angles easily to provide unique louvered lighting effects from the side. Lumena recommend the use of the LED G4 capsule, (available on p40). The bright, cool white LED G4 saves more energy and has a much longer life span than a standard halogen G4.

I Slatlite Solid Brass Steplight - LCBR-SLAB



- Polycarbonate lens and mirrored reflector
- 1.5m H05RN-F 0.75mm² 2 Core Rubber Cable provided
- Recommended Lamp: LED G4 - 4500K Cool White



12v

IP65

G4

Max
50w

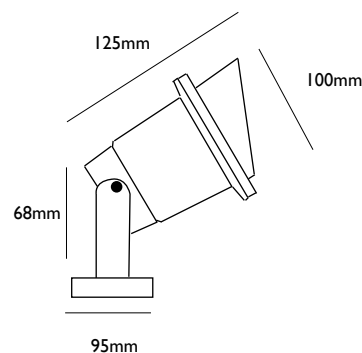
NAUTILUS - 12v MRI16 Solid Brass Underwater Light

This stunning light is larger than many others on the market. Being made from solid brass it is also very durable and visually attractive. It has a large circular base which enables it to be freestanding. The base has 2 large slots for mounting on decking if not being used underwater, which enables the position to be adjusted without the need to re-mount. It has an integrated glare shield as standard which protects the lens and focuses the light. Ponds and water fountains can be decorative features in themselves and with additional lighting they can really stand out. The Nautilus has the necessary IP68 rating for underwater use and ideal for this purpose.

An LED MR16 lamp is recommended for longer life, lower running costs and enables the use of a lower wattage transformer.

1 Nautilus 12v Underwater Light, Brass - LCBR-NAUB

- Solid Brass
- Glare shield for extra protection and to focus beam when uplighting
- 6m H05RN-F 0.75mm² 2 Core Rubber Cable Included
- Adjustable Head

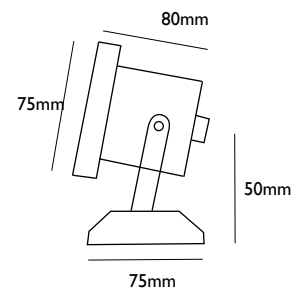


NAUTILUS - 12v MRI16 Stainless Steel Underwater Light

The 'Nautilus' is a 12v adjustable spotlight suitable for use in and around pond or pool areas. 12 volt underwater lights can create unique, atmospheric effects, either by using white or coloured lights. This marine grade 316 stainless steel 'Nautilus' spotlight has an IP rating of IP68. As well as being suitably robust to be placed anywhere in the garden, this highly waterproof spotlight can also be fully submerged under water. In this way, unique, shimmering lighting effects can be created. The head is also adjustable (vertically), enabling the light to be emitted at various angles depending on what is being illuminated. The Nautilus uses a 12V MR16 lamp (halogen or LED), in which coloured options are available. By using an LED MR16, (recommended by Lumena), more energy can be saved and the lamps will have a much longer life span.

2 Nautilus 12v Underwater Light, Stainless Steel - LCBR-NAU

- 316 Stainless Steel
- 1.5m H05RN-F 0.75mm² 2 Core Rubber Cable Included
- Adjustable Head





12v

IP23

G4

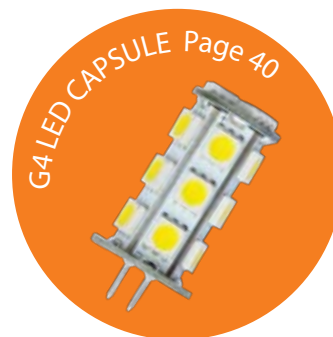
Max
20wFind our full range online at www.lumenlights.com

SPARKLA - 12v G4 Hanging Light - Copper

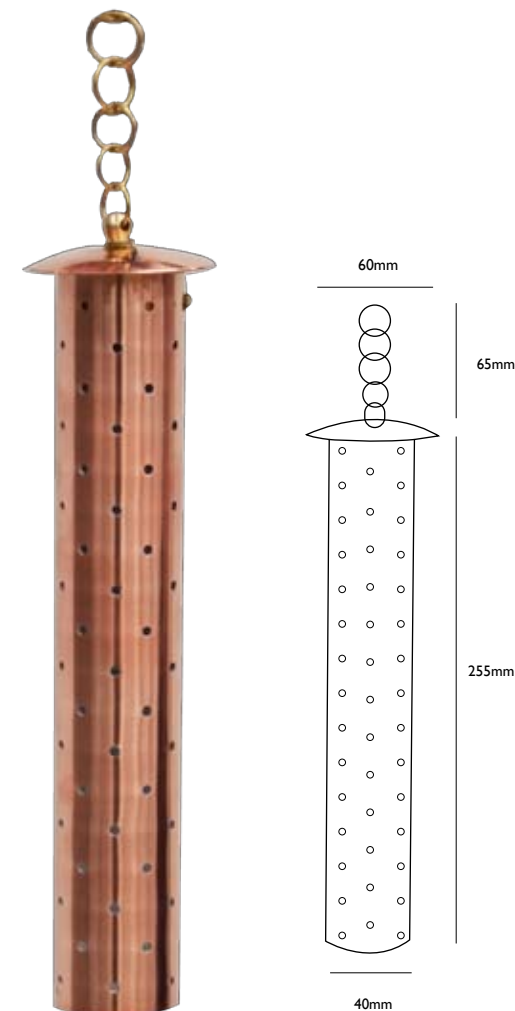
The 'Sparkla' is a decorative 12v hanging down light made from copper with a white interior to maximise reflection, and is ideal for outhouses, pergolas and sheltered outdoor seating areas. The tubular body is patterned with a number of small openings which create a stunning eye - catching 360° sparkling effect when lit. It accommodates a low energy G4 LED capsule, which gives off a bright light and uses very little power. It has a 65mm brass chain of 5 rings coming from the top of the fitting which is easily shortened if required and is supplied with approx. 2m of 12v 2 core figure 8 cable.

1 Copper Hanging Light - LHDC12

- 2m 12v 2 core figure 8 included
- Chain: 65mm (brass finish)
- IP23 rated, for use in outhouses and pergolas
- Recommended Lamp: LED G4 - 4500K Cool White



Garden lights made from Copper will weather over time to create a natural mottled effect that blends in with outdoor surroundings such as garden bricks, plants and tree bark. After a longer amount of time a 'Verdigris' effect may be present.

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12v AC Transformers

In order to install and connect 12v garden lighting systems, Lumena supply 12v AC Transformers available in 4 different wattages 10w, 20w, 50w, 100w. The transformers are supplied with 1m of waterproof mains input cable with a 3 pin plug and 60cm of waterproof detachable 12v 2 core output cable. Ideally the transformers should be installed above ground on a suitable post or wall, this could be behind taller planting for example.

To ensure that the correct size transformer is used, the total wattage of the 12v light fittings needs to be calculated. This can be done easily by multiplying the lamp wattages for each fitting type, (example at bottom of page). Add these totals together to determine which size transformer is needed. Remember not to overload the transformer. It is recommended that some spare wattage capacity is left in case additional 12v lights are required.

It is equally important not to use too few lights or have too low wattages on a 12v lighting system as this can result in 'overvoltage'. Transformers should be loaded to at least 70% of their capacity; for example a 100 watt transformer should power lights with a total wattage of at least 70 watts. All Lumena 12v transformers have a built in thermal cut-off which protects against power overload or 'overvoltage'.

1 100w - LTR100

2 50w - LTR50

3 20w - LTR20

4 10w - LTR10

- Input: Mains 230v - 240v
- Output: 12v AC
- Wattage: 100w, 50w, 20w & 10w
- Input Cable: Waterproof mains 1m with 3 pin UK Plug
- Output Cable: Waterproof 2 core rubber 0.6m
- IP Rating: IP68
- Detachable Output Cable
- Thermal cut out (protects against power overload or 'overvoltage')
- Dimensions (l x w x h):

100w: 123mm x 78mm x 70mm

50w: 92mm x 62mm x 70mm

20w: 80mm x 48mm x 63mm

10w: 70mm x 42mm x 58mm

4 x Wattages / Sizes available
100w, 50w, 20w or 10w



What size of transformer is required ?

| 12v Light with LED Lamp fitted | Quantity of Lights | Lamp / LED Wattage | Total Wattage |
|--------------------------------|--------------------|--------------------|---------------|
| Smartspot Spotlight (MR16) | 3 | 5 | 15 |
| Spreadlight (G4) | 3 | 4 | 12 |
| 10w LED Floodlight | 1 | 10 | 10 |
| Total | 7 | | 37 |
| Spare Wattage allowance | | | 13 |
| Transformer Size Needed | | | 50 |

Find our full range online at www.lumenalights.com

Junction Boxes

1 Junction Box - LLJBX8



4 Components of the junction box including 5 pole screw terminal and wall mounting clip



2 M20 IP68 Cable Glands - LLCGM20



Simply screw into the outlets on the Lumena junction box. Will accept cables from 6mm – 12mm diameter. Simply tighten the locking nut which clamps the cable securely. Suitable for both 0.75mm and 1.5mm cable.

These high quality waterproof IP66 junction boxes of German manufacture are simple to use and are ideal for connecting single or groups of up to 7 lights, or simply to connect cables together to form longer runs. The lid has a simple captive plastic screw locking system and an external clip-in wall bracket is supplied. Internally a 5 way terminal block is supplied. To make maximum use of this, electricians will need to link some terminals together to provide 4 parallel screw terminals for the live and neutral 12v cables. Alternatively connections could be made using crimp connectors or "Wago" type clamp terminals available from most electrical outlets.

8 outlets are provided, each with a self sealing rubber membrane. The outlets also have a screw thread designed for M20 cable glands (see above). Lumena recommend the use of the cable glands as they clamp the cables giving better security and also better waterproofing (IP68).

- IP Rating: IP66
- Dimensions: 85mm x 85mm x 51mm
- 30 Amp Rating
- Screw terminals accept up to 4.00mm² cable
- Colour: Black
- Material: Polypropylene reinforced glass fibre

2 Core Rubber Cable

Lumena supply 2 core rubber cable by the metre for 12v lighting systems. Two different thickness of cable are available:

1. 0.75mm² with an overall diameter of 6mm which is standard for most applications.
2. 1.5mm² with an overall diameter of 8mm which is better for longer cable runs.

Although short cable runs are usually recommended with 12v lighting systems as light output can sometimes be limited by longer cable runs, Lumena recommend the use of LED lamps such as LED MR16s instead of halogen lamps.

By using LED lamps, power consumption is greatly reduced, more lighting products can be installed and the length of cable used can be longer as less power is needed. If all 12v lights used are LED MR16 or G4 it is permissible to load the transformer to around 60% of capacity as LED lights will tolerate greater voltage increases than halogen lights.

- H05RR-F2 12 Volt Cable (Live & Neutral Cable ONLY)
- Operating Temperature Range: -20°C to +60°C
- Voltage: 300 / 500V Max. (Suitable for use with 12v Lighting Systems)
- Amps: 0.75mm² = 6A • 1.5mm² = 15A
- Tough Rubber Sheath Flex
- IP68



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12v Lamps

Lumena Lights stock a high quality selection of bulbs to fit all of the 12v Garden Lights on offer.

12v lamps with a standard ES base are not widely available, with the LED versions we have to offer being one of the only options on the market to date. An added bonus with the 12v ES base light bulbs is that any fitting with that specific lamp holder can be wired to a 12v lighting system, thus offering an even wide range of 12v outdoor lights, with very little or no modifications required.

Lumena recommend the use of LED lamps such as an LED MR16 instead of a halogen lamp in 12v lighting systems. This way, power consumption is greatly reduced, more lighting products can be installed and the length of cable can be longer as less power is used.

1 12v MR16 - Cool White - MR16LED3C or Warm White - MR16LED3W

- LED MR16 (G5.3)
- 3 Watts
- Cool White & Warm White options
- Average life over 30,000 hours
- Equivalent to 20w halogen
- 75-80% energy savings

(Actual model may vary slightly from picture shown)



2 12v MR11 - Daylight White - MR11LED2D or Warm White - MR11LED2W

- LED MR11
- 2 Watts
- Warm White & Daylight White options
- Average life over 30,000 hours
- Equivalent to 15w halogen
- 75-80% energy savings

(Actual model may vary slightly from picture shown)



3 12v 4.2W LED G4 Capsule - Cool White (4500K) - LG4LEDC

- 12v LED Capsule
- 230 Lumens
- Cool White - 4500K
- 2x round pins (4mm apart)
- Average life over 30,000 hours
- Equivalent to 25W halogen
- 75-80% energy savings
- Dimensions: 36mm x 18mm



4 12v LED Light Bulbs ES / E27 - 3w, 5w, 7w

- ES / E27 Screw base
- Cool White - 4500K
- Average life over 30,000 hours
- 75-80% energy savings
- 3w Dimensions: 94mm x 46mm
- 3w Lumens: 195 Lumens
- 5w Dimensions: 110mm x 60mm
- 5w Lumens: 395 Lumens
- 7w Dimensions: 110mm x 60mm
- 7w Lumens: 546 Lumens



4 LLEDES3



5 LLEDES5



6 LLEDES7

Make sure if you purchase LED bulbs from elsewhere, they are compatible with 12v AC Transformers

Coloured Dichroic Glass Lenses - 50mm

Dichroic glass filters operate on a passive-reflective basis, reflecting unused wavelengths while passing wanted portions of spectrum. Dichroics are high in transmission, producing brighter, cleaner, saturated colours.

The different colours can really enhance the appearance of plants and garden ornaments. Their low cost makes experimentation with different colours an interesting prospect at an affordable price.

These filters simply fit inside spotlights between the MR16 50mm lamps and the exterior glass lens. They are suitable for all 60mm Lumena Spotlights with the exception of the 'Nautilus' underwater lamps. The filters are 1mm thick with a diameter of 50mm. The filters are 1mm thick with the added advantage of being able to fit inside downlighters, where a thicker filter would impair the lamp retention clip.

A spring clip is provided to hold them securely in place.

1 Red - LLDCL-R



2 Green - LLDCL-G



3 Purple - LLDCL-P



4 Blue - LLDCL-B



5 Yellow - LLDCL-Y



6 Moonlight - LLDCL-M



SPRING CLIP
Supplied with Lens



Accessories

Lumena supply a variety of versatile and adaptable spares and accessories for 12v outdoor lighting. Many of the fittings are supplied with one mounting option, Lumena provide extra options so that any light fitting in the range can be fitted to any surface.

All accessories are sold separately as a "mix and match" range.

1 Charleston Solid Brass Spike
LCBR-SPKB



- Extra Durable Solid Brass
- Spike Dimensions 200mm x 43mm
- Thread size 0.75 inches
- 4 fins and anchor for extra stability
- Charleston Cobra Range

2 Polycarbonate Spike
LCBR-SPK50



- Spike Dimensions 220mm x 75mm
- Thread size 0.75 inches
- 4 fins and anchor for extra stability
- Charleston Cobra Range

3 316 Stainless Steel
245mm Extension Rod
SPKEX245SS



4 Copper
245mm Extension Rod
SPKEX245CP



- Dimensions 245mm x 10mm
- For use with 'Smartspike 60' (non-anodised), and 'Smartspike 40'

5 20g Tube of Copper Grease
CGRS20



Copper grease is a waterproof anti-seize grease ideal for use on outdoor lamps. Apply to the screw threads during assembly to make later lamp replacement a simple wrench free operation!

6 Charleston Brass Base
LCBR-MNTB



- Rustic Bronze Finish
- Dimensions: 70mm x 25mm
- Thread size 0.75 inches
- Charleston Cobra Range

Extension Poles

- Rustic Bronze Finish
- 300mm, 900mm and adjustable 450mm - 750mm options available
- Charleston Cobra Range



7 LCBR 300R 300mm
8 LCBR - STEM 450mm - 750mm
9 LCBR 900R 900mm

Our 240v Fittings with an ES / E27 lamp holder can easily be converted to be used with 12v Lighting systems with our 12v LED ES Lamps.



Lumena stock a large range of 240v outdoor lights, most of which have an ES lamp holder. By wiring any one of these fittings up to a 240v to 12v Transformer, and using one of our 12v ES lamps, many more 12v garden lighting options can be created.

Even more bright ideas from Lumena Lights !

