Low-Voltage LED Lamps
For Landscape Lighting

The First LED Lamps Designed Specifically for Outdoor Use in Enclosed Fixtures
Sustainable Landscape Lighting Systems

Dramatically transform your architecture with exterior LED lighting that not only enhances the enjoyment of your property, but also reduces energy consumption and costs.

Illumicare Group Limited’s fully-stepped LED IC driver and unique thermal control ensure our LED lamps are capable of operating at temperatures well below the heat specifications of most leading LED chips - even when sealed inside weatherproof fixtures - allowing our lamps to live up to their full potential.

Easily increase your lighting palette by varying color temperatures, beamspreads and lamp intensities, and experience greater artistic control and more intricate landscape lighting designs.

LED MR11 with Replaceable Optics

Our newest lamp, the LED MR11 WW 1545, features replaceable optics. Simply use the supplied tool to remove the face of the lamp and replace the installed optic with your choice of 15, 30, and 45 degrees.

In just a few seconds, you can create a completely different light effect.

Replacement LED MR16

Our original 6W LED MR16 offers three different beamspreads in four distinct color temperatures, giving you the tools you need to take your lighting designs to a whole new level.

Our halogen and incandescent-matched lamp color temperatures give you the same lighting effect as traditional retrofit bulbs while consuming up to 80% less energy.

7W 2X LED MR16

Using CREE XPE chips, our 2X LED MR16 uses only 7W of power while producing up to 450 lumens.

Illumicare’s focus on reduced lamp failures includes extensive environment-based testing. Our process ensures you are buying the most durable LED lamps available in the outdoor lighting industry.

Color Temperatures:

- **VWW - 2700K** (Incandescent)
- **WW - 3000K** (Halogen)
- **NW - 4000K** (Moonlight)
- **CW - 5500K** (Daylight)

### The Illumicare LED Advantage:

- Replaceable Optics & Tool
- 3000K Color Temperature
- 220 - 250 Lumens
- 15°, 30° & 45° Beamspreads
- 4 Watt Output
- GU10/GZ10 Base
- 35mm x 35mm

### Part Number | Description
---|---
LED MR11 WW 1545 | 6W MR11, 3000K Warm White, Factory-Installed 30° NFL Optic, and 15° & 45° Optics w/Install Tool

### Four Different Color Temperatures

- 250 - 380 Lumens
- 15°, 30° & 45° Beamspreads
- 6 Watt Output
- GU5.3/GX5.3 Base
- 51.7mm x 49.5mm

### Part Number | Description
---|---
LED 6W VWW 15 SP | 6W MR16 2700K 15° Spot
LED 6W VWW 30 NFL | 6W MR16 2700K 30° Narrow Flood
LED 6W VWW 45 FL | 6W MR16 2700K 45° Flood
LED 6W WW 15 SP | 6W MR16 3000K 15° Spot
LED 6W WW 30 NFL | 6W MR16 3000K 30° Narrow Flood
LED 6W WW 45 FL | 6W MR16 3000K 45° Flood
LED 6W NW 15 SP | 6W MR16 4000K 15° Spot
LED 6W NW 30 NFL | 6W MR16 4000K 30° Narrow Flood
LED 6W NW 45 FL | 6W MR16 4000K 45° Flood

### 3000K & 4000K Color Temperatures

- 380 - 450 Lumens
- 15°, 30° & 45° Beamspreads
- 7 Watt Output
- GU5.3/GX5.3 Base
- 51.7mm x 49.5mm

### Part Number | Description
---|---
LED 2X WW 15 SP | 2X MR16 3000K 15° Spot
LED 2X WW 30 NFL | 2X MR16 3000K 30° Narrow Flood
LED 2X WW 45 FL | 2X MR16 3000K 45° Flood
LED 2X NW 15 SP | 2X MR16 4000K 15° Spot
LED 2X NW 30 NFL | 2X MR16 4000K 30° Narrow Flood
LED 2X NW 45 FL | 2X MR16 4000K 45° Flood
Water Tight LED PAR36

In landscape lighting designs, PAR 36 lamps are perfect for illuminating tall trees and large architectural structures.

Ingress Protection (IP) ratings are an international standard used to define levels of sealing effectiveness of electrical enclosures against intrusion from foreign bodies, most commonly dirt, plant debris and moisture.

In a residential or commercial landscape, where PAR lamps must withstand the corrosive forces of soil and water, an IP68 rating ensures total protection.

**LED Miniature Lamps**

With true 360° light output, our miniature LED lamps fit into thousands of existing landscape path and area fixtures enabling immediate seamless replacement.

**Up to 35,000 Hours**

- **2700K & 3000K Color Temperatures**
- **1.5 - 3 Watt Output**
- **15 - 18 Watt Equivalent**
- **Uni- & Omnidirectional**
- **Samsung 5630 LED Chips**

- **Part Number**
  - LED PAR36-3-WW 15 SP
  - LED PAR36-3-WW 30 NFL
  - LED PAR36-3-WW 45 FL
  - LED PAR36-5-WW 15 SP
  - LED PAR36-5-WW 30 NFL
  - LED PAR36-5-WW 45 FL

- **Description**
  - PAR36 3 LED 3000K 15° Spot
  - PAR36 3 LED 3000K 30° Narrow Flood
  - PAR36 3 LED 3000K 45° Flood
  - PAR36 5 LED 3000K 15° Spot
  - PAR36 5 LED 3000K 30° Narrow Flood
  - PAR36 5 LED 3000K 45° Flood

- **Photometrics**

<table>
<thead>
<tr>
<th>Distance</th>
<th>1ft</th>
<th>2ft</th>
<th>3ft</th>
<th>4ft</th>
<th>5ft</th>
<th>6ft</th>
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</thead>
<tbody>
<tr>
<td>Foot Candles</td>
<td>0.5</td>
<td>1.0</td>
<td>1.3</td>
<td>1.3</td>
<td>0.8</td>
<td>0.9</td>
</tr>
<tr>
<td>18°</td>
<td>0.5</td>
<td>0.8</td>
<td>0.9</td>
<td>0.9</td>
<td>0.6</td>
<td>0.8</td>
</tr>
<tr>
<td>36°</td>
<td>0.8</td>
<td>1.0</td>
<td>1.2</td>
<td>1.2</td>
<td>0.9</td>
<td>1.0</td>
</tr>
<tr>
<td>54°</td>
<td>1.4</td>
<td>1.6</td>
<td>1.8</td>
<td>1.8</td>
<td>1.4</td>
<td>1.5</td>
</tr>
</tbody>
</table>

- **Unidirectional G4 Bipin Lamps**

Whether you need to find the perfect lamp for deck and area lighting, wall washing, or even accent lighting, Illumicare’s wafer style miniature LED lamps offer optimal unidirectional illumination.

**Part Number**
- LED 19MM G4 Bipin
- LED 19MM T5 Wedge
- LED G5.3 BIPIN

**Description**
- Replaces: Q10, Q15 & Q20
- Replaces: Q10, Q15 & Q20
- Replaces: Q10, Q15 & Q20

**Dimensions**
- 24mm x 46.2mm
- 260 Lumens
- 1.8 Watts

**Temperature**
- 2700K & 3000K Color Temperatures

**Brightness**
- Up to 35,000 Hours

**Unidirectional Miniature Lamp Photometrics**

<table>
<thead>
<tr>
<th>Beamspread</th>
<th>Centre Beam</th>
<th>18”</th>
<th>36”</th>
<th>54”</th>
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</thead>
<tbody>
<tr>
<td>Foot Candles</td>
<td>x</td>
<td>y</td>
<td>x</td>
<td>y</td>
</tr>
<tr>
<td>LED BP SIDE</td>
<td>12.2</td>
<td>4.0</td>
<td>6.0</td>
<td>1.0</td>
</tr>
<tr>
<td>LED BP SIDE 2700K</td>
<td>10.0</td>
<td>4.2</td>
<td>5.4</td>
<td>0.9</td>
</tr>
<tr>
<td>LED BP REAR</td>
<td>15.3</td>
<td>4.3</td>
<td>5.4</td>
<td>1.0</td>
</tr>
<tr>
<td>LED BP REAR 2700K</td>
<td>13.9</td>
<td>5.0</td>
<td>5.6</td>
<td>1.3</td>
</tr>
</tbody>
</table>
LED 4 Watt MR11 Lamps
220 - 250 Lumens - 1 Cree XPG LED Chip

Illumicare Group Limited warrants its LED products against defects in material and workmanship for four years. Without charge, Illumicare Group will replace any properly installed product which fails under normal operating conditions and has not undergone abuse beyond normal wear-and-tear within the specified warranty period.

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LED Lamp Performance Data
All LED Lamps

Input Voltage
12 V AC or DC (0 - 15V AC/DC)

Operating Temperature
35 - 40°C (95 - 104°F)

Operating Environment
-20 to 40°C (-4 - 104°F)

Lamp Surface Temperature
Less than 35°C (95°F)

Lumen Maintenance (L70)
40,000 Hours (MR11, MR16, PAR36)
35,000 Hours (Miniatures)

Color Rendering Index (CRI)
79-85%

Product Standards
CE & ROHS