Rotatable Base LED G4 Lamp Specifications

Illumicare's innovative new design offers the only wafer-style lamp that can be adjusted to accommodate any socket orientation. Our unique thermal control also ensures the LED BP SIDE lamp is safe to the touch and has a life expectancy of over 10 times that of most halogen equivalents.

Designed with Samsung LED chips, Illumicare Group Limited's G4 bipin LED lamps fit into hundreds of existing outdoor niche, specialty and deck lighting fixtures, which enables landscape lighting designers and installers to achieve immediate efficiencies in terms of reduced electrical consumption and maintenance without complicated lighting system upgrades or adjustments.

The LED BP SIDE lamp replaces a typical halogen Q10, Q15 or Q20 bulb, operates below 40°C (104°F), and produces between 120 and 125 lumens in a 2700 Kelvin (incandescent equivalent) and 3000 Kelvin (halogen equivalent) color temperature.

LED BP SIDE

Q10, Q15 & Q20 Replacement
2700K & 3000K
125 Lumens
2.0 Watts
14mm x 31.5mm

Not for use with electronic low-voltage transformers. This product may cause interference with other devices. If interference occurs, change the location of the products involved.

- Solid aluminum heat sink – to dissipate the heat from the LED chips, allowing for longer lamp life, and for use in enclosed fixtures.
- Rotatable socket pins for directional light positioning
- Up to 35,000hr lamp life (IES LM-80 lumen maintenance test)
- Very high efficiency 72+ lumens per watt
- 2700K (Very Warm White) 3000K (Warm White)
- Typical 85 CRI for true color representation
- 9-15V AC/DC operation

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Performance Data

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Output Power</th>
<th>Operating Temperature</th>
<th>Operating Environment</th>
<th>L70</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 - 15V AC/DC</td>
<td>2W</td>
<td>35 - 40°C (95 - 104°F)</td>
<td>-20 to 40°C (-4 - 95°F)</td>
<td>35,000 Hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Base</th>
<th>Luminous Flux</th>
<th>Color Temperature (CCT)</th>
<th>Illumination</th>
<th>CRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>G4 - Q10, Q15, Q20</td>
<td>115 - 125lm</td>
<td>2700K (Incandescent) 3000K (Halogen)</td>
<td>Unidirectional</td>
<td>80 - 85%</td>
</tr>
</tbody>
</table>

G4 Bipin SIDE 3000K CIE Color Specification:

- Chromaticity coordinates: x=0.4408 y=0.4173 / u=0.2474 v=0.5270
- Correlated color temperature: Tc = 3041K
- Dominant Wavelength: λd = 581.0nm, Purity: 57.60%
- Peak Wavelength: λp = 602.9nm, Semibreadth: Δλp = 141.5nm
- Colorimetric: R=23.9% G=73.7% B=0.2%
- Color Rendering Index: Ra=85.0
- R1 = 79 R2 = 87 R3 = 96 R4 = 81 R5 = 79 R6 = 84 R7 = 87 R8 = 64
- R9 = 13 R10 = 71 R11 = 79 R12 = 66 R13 = 81 R14 = 97 R15 = 73
- Luminous Flux: 124.1 lm
- Light Efficiency: 72.29 lm/W

G4 Bipin SIDE 2700K CIE Color Specification:

- Chromaticity coordinates: x=0.4678 y=0.4174 / u=0.2646 v=0.5311
- Correlated color temperature: Tc = 2644K
- Dominant Wavelength: λd = 583.9nm, Purity: 65.7%
- Peak Wavelength: λp = 611.0nm, Semibreadth: Δλp = 126.8nm
- Red Ratio: R=27.1% G=73.5% B=0.2%
- Color Rendering Index: Ra=81.9
- R1 = 79 R2 = 89 R3 = 98 R4 = 79 R5 = 79 R6 = 86 R7 = 84 R8 = 60
- R9 = 13 R10 = 75 R11 = 77 R12 = 71 R13 = 81 R14 = 99 R15 = 73
- Luminous Flux: 114.5 lm
- Light Efficiency: 69.27 lm/W

Why Illumicare?

Illumicare Group Limited is a privately held LED research and development firm. For over 15 years, Illumicare’s lighting professionals have specialized in developing and supplying high-efficiency lighting for commercial and outdoor use.

As a manufacturer of innovative LED products, our focus is eliminating the barriers involved in engineering superior LED lighting technologies and adapting to environmental demands to produce an innovative, energy-efficient lamp for both new and retrofit lighting installations.