REFLECTIVE OPTIC

FEATURES / BENEFITS

▲ Only 11.5mm (0.453”) maximum diameter
▲ Ideal for tightly spaced LED arrays
▲ Adhesive backing for easy installation. Adhesive rated from -40ºC to +120ºC (-40ºF to +248ºF)
▲ Automatic alignment feature
▲ Spot & wide versions available for Luxeon Rebel LEDs
▲ Universal version suites Cree XPC, XPE, XPG and standard Rebel LEDs
▲ Adhesive is approved to ESK-M3G162, WSK-3G184-A4 (Ford motor) & RES22LA06 type 2 (Rover)

MECHANICAL DIMENSIONS

7º “Spot” model
11.5mm (0.453”) top diameter
11.2mm (0.433”) base diameter
10.0mm (0.249”) height

13º “Wide” model
9.7mm (0.433”) top diameter
11.2mm (0.433”) base diameter
3.8mm (0.142”) height

APPLICATIONS

▲ Spot lighting
▲ Flood lighting
▲ Accent lighting
▲ RGB color mixing

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Dialight P/N</th>
<th>Description</th>
<th>Degree*</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPC1-1-COL</td>
<td>7 degree “spot” model (Luxeon only)</td>
<td>7º</td>
</tr>
<tr>
<td>OPC1-2-COL</td>
<td>13 degree “wide” model (Luxeon only)</td>
<td>13º</td>
</tr>
<tr>
<td>OPC-REF-1-WD</td>
<td>Universal optic for: Cree - XPC, XPE, XPG Rebel</td>
<td>Refer to light intensity distribution chart</td>
</tr>
</tbody>
</table>

*Other colour options available (consult factory MOQ applies)
Dashes are for reference only
The full-width at half-maximum emission angle is:
- 38 degree (+/-19 degree) for Cree XPG
- 30 degree (+/-15 degree) for Cree XPE
- 23 degree (+/-11.5 degree) for Luxeon rebel LXLM

### Vibration Testing

<table>
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<tr>
<th>Test</th>
<th>Standard/Test Method</th>
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</thead>
</table>
| Vibration  | Class A alternating 60°C to 25°C  
Twenty 12 minute cycles 5 200 Hz @ 4.2 g 3 axes |
| Shock      | 10g 11 mS Terminal Peak Sawtooth 3 axes |

### PCB Alignment

#### Dimension Details

![PCB Alignment Diagrams]

### Mechanical Dimensions

![Mechanical Dimensions Diagrams]

### Photometric Data

- **7° “Spot” model**
- **13° “Wide” model**

*Consult factory for IES files*

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Dialight:

OPC-11COL  OPC-12COL  OPC1-1-COL-SP  OPC1-1-COL-WD