



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 -40°C to +120°C (-40°F to +248°F)
- ▲ 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

7° "Spot" model
11.5mm (0.453") top diameter
11.2mm (0.433") base diameter
10.0mm (0.249") height

13° "Wide" model
9.7mm (0.433") top diameter
11.2mm (0.433") base diameter
3.8mm (0.142") height

APPLICATIONS

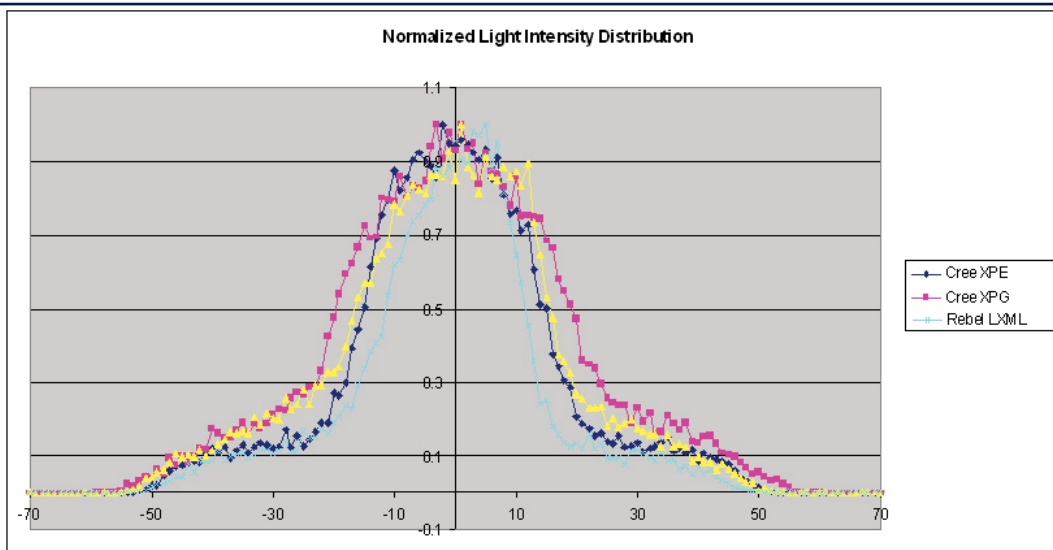
- ▲ Spot lighting
- ▲ Flood lighting
- ▲ Accent lighting
- ▲ RGB color mixing

ORDERING INFORMATION

Dialight P/N	Description	Degree*
OPC1-1-COL	7 degree "spot" model (Luxeon only)	7°
OPC1-2-COL	13 degree "wide" model (Luxeon only)	13°
OPC-REF-1-WD	Universal optic for: Cree - XPC, XPE, XPG Rebel	Refer to light intensity distribution chart

*Other colour options available (consult factory MOQ applies)
Dashes are for reference only

LIGHT INTENSITY DISTRIBUTION FOR OPC-REF-1-WD



The full-width at half-maximum emission angle is:

38 degree (+/-19 degree) for Cree XPG

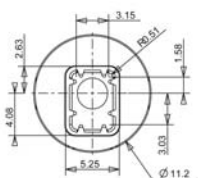
30 degree (+/-15 degree) for Cree XPE

23 degree (+/-11.5 degree) for Luxeon rebel LXLM

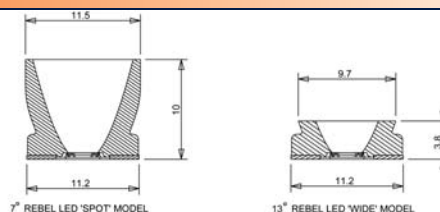
VIBRATION TESTING

Test	Standard/Test Method
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

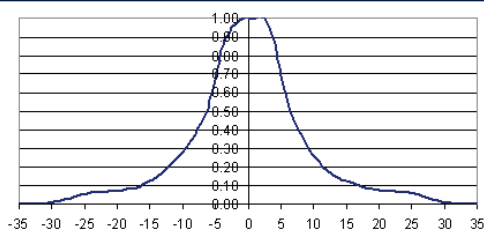
PCB ALIGNMENT DIMENSION DETAILS



MECHANICAL DIMENSIONS

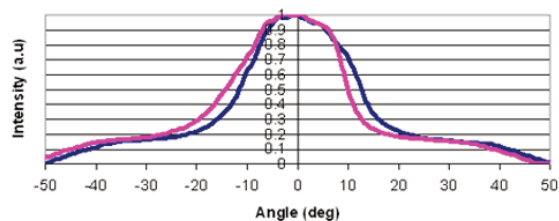


PHOTOMETRIC DATA



7° "Spot" model

Consult factory for IES files



13° "Wide" model

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Dialight:

[OPC-11COL](#) [OPC-12COL](#) [OPC1-1-COL-SP](#) [OPC1-1-COL-WD](#)