

## CREE™ XP® ADHESIVE-BACKED LENS SYSTEM



Patent: 7,874,703

### FEATURES / BENEFITS

- ▲ For CREE XPE & XPC LEDs
- ▲ Available in spot, medium, wide, frosted spot and oval lenses
- ▲ Integral self-adhesive pad
- ▲ Compact size
- ▲ Greater than 80% efficiency
- ▲ 3 alignment tabs to ensure accurate placement over LED
- ▲ Frosted model for even light output within 7° half divergence & smooth tailoff. Designed to minimize hot spots & fringing in color mixing applications

### OPERATING CONDITIONS

- ▲ -40°C to +110°C temperature

### MATERIALS/FINISH

- ▲ Optical grade polycarbonate 143R

### ORDERING INFORMATION

BASE LENSES		
Dialight P/N	Description	Degree*
OPXP1SPOT	Spot Base Module for CREE XPE & XPC	5°
OPXP1SDIF	Diffused Spot Base Module for CREE XPE & XPC	7°
OPXP1MDIF	Medium Diffused Base Module for CREE XPE & XPC	10°
OPXP1OVAL	Oval Base Module for CREE XPE & XPC	8° X 25°
OPXP1WIDE	Wide Diffused Base Module for CREE XPE & XPC	20°
*All angles refer to half divergence		

# MECHANICAL DIMENSIONS

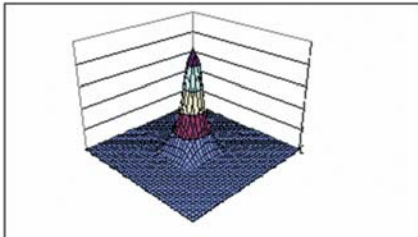


# PCB ALIGNMENT DIMENSION DETAILS

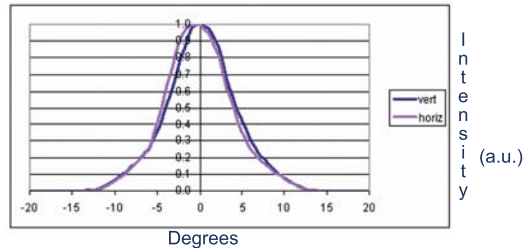


# PHOTOMETRIC DATA FOR SPOT VERSION

3 D surface Plot based on simulation



Horizontal and vertical Scans (Lab Measurement)



*For photometric data on other models, please contact factory*

Dialight reserves the right to make changes at any time in order to supply the best product possible.

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