

## LXP2-O-90

~10° x 40° oval beam optimized for CREE XP-E.  
14.7 mm high assembly with installation tape.  
Variant with beam direction rotated 90°.

## SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 21.6 mm |
| Height         | 14.7 mm   |
| Fastening      | tape      |
| ROHS compliant | yes ⓘ     |

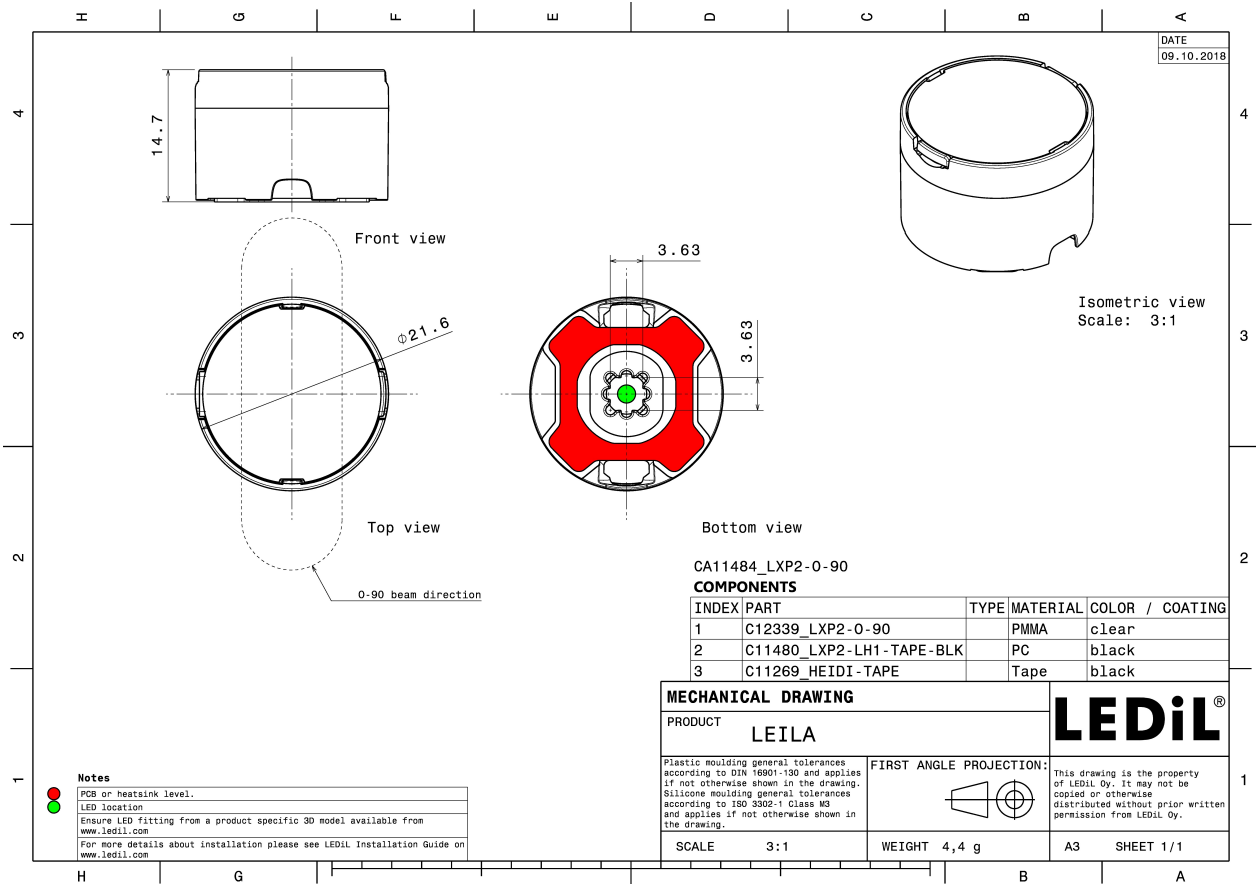


## MATERIALS:

| Component         | Type        | Material     | Colour | Finish |
|-------------------|-------------|--------------|--------|--------|
| LXP2-O-90         | Single lens | PMMA         | clear  |        |
| LXP2-LH1-TAPE-BLK | Holder      | PC           | black  |        |
| HEIDI-TAPE        | Tape        | Acrylic foam | black  |        |

## ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA11484_LXP2-O-90              | Single lens | 1680       | 336 | 112 | 9.2             |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |

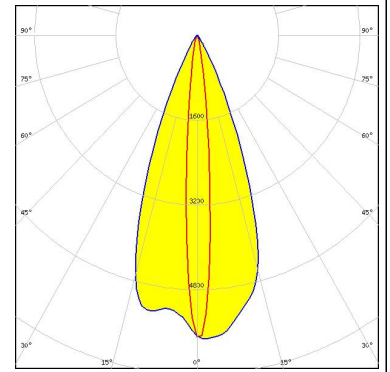


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

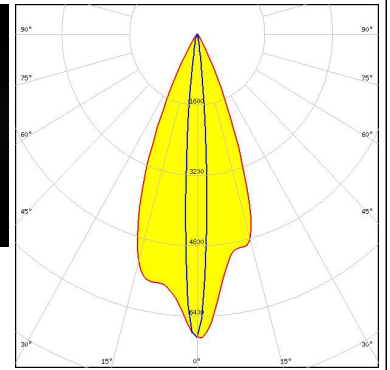
#### OPTICAL RESULTS (MEASURED):



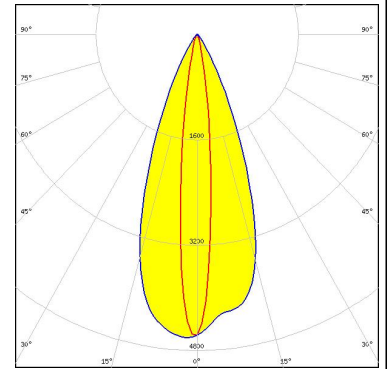
LED XP-E  
FWHM / FWTM 9.0 + 41.0° / 20.0 + 61.0°  
Efficiency 89 %  
Peak intensity 5.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



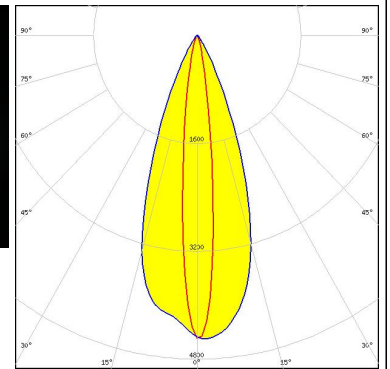
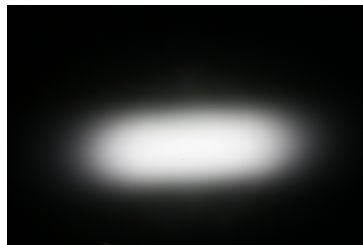
LED XP-E2  
FWHM / FWTM 10.0 + 42.0° / 20.0 + 60.0°  
Efficiency 86 %  
Peak intensity 6.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G  
FWHM / FWTM 12.0 + 40.0° / 25.0 + 63.0°  
Efficiency 89 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



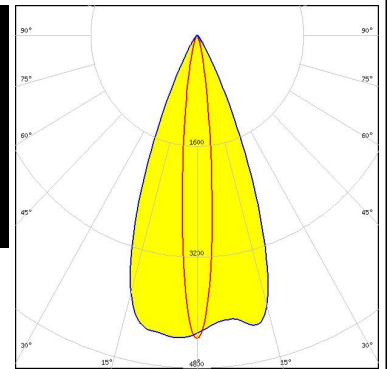
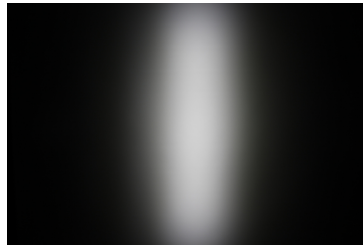
LED XP-G2  
FWHM / FWTM 12.0 + 40.0° / 27.0 + 62.0°  
Efficiency 87 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



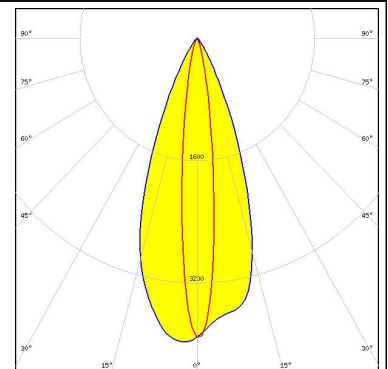
#### OPTICAL RESULTS (MEASURED):



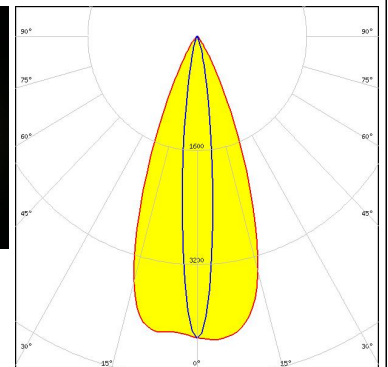
LED XP-L HI  
 FWHM / FWTM 12.0 + 43.0° / 27.0 + 61.0°  
 Efficiency 86 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



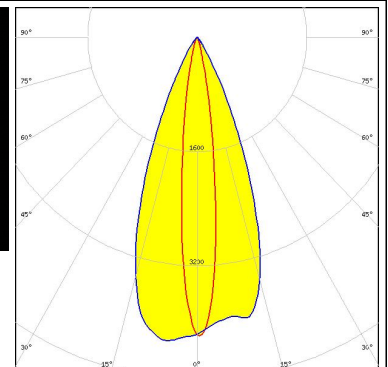
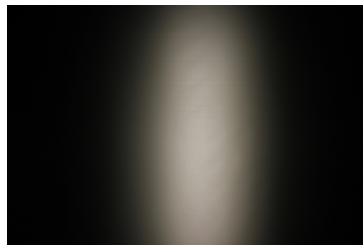
LED XT-E  
 FWHM / FWTM 13.0 + 41.0° / 30.0 + 63.0°  
 Efficiency 84 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




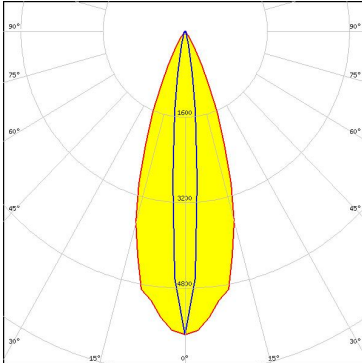

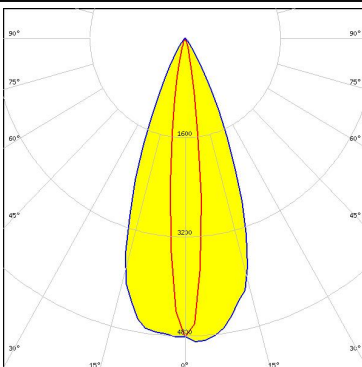
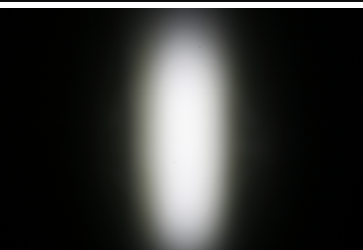
LED LUXEON Q  
 FWHM / FWTM 12.0 + 41.0° / 62.0 + 27.0°  
 Efficiency 85 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSW219D  
 FWHM / FWTM 13.0 + 42.0° / 28.0 + 62.0°  
 Efficiency 89 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



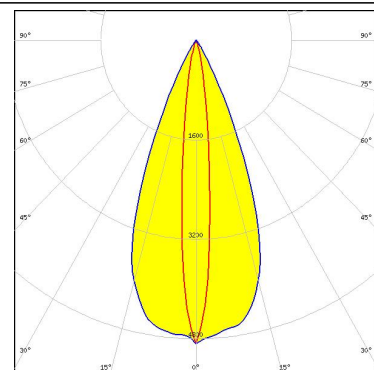
### OPTICAL RESULTS (MEASURED):

|  |  |
|--|--|
| <p> SEOUL SEMICONDUCTOR</p> <p>LED Z5</p> <p>FWHM / FWTM 10.0 + 36.0° / 24.0 + 58.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 5.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>        |   |
| <p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM / FWTM 13.0 + 42.0° / 26.0 + 63.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |   |

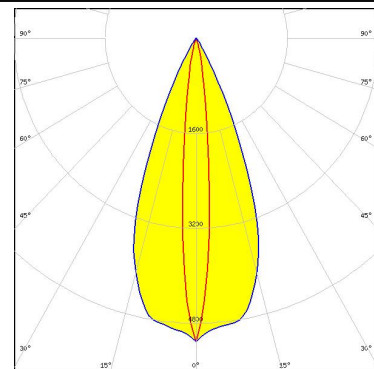
#### OPTICAL RESULTS (SIMULATED):



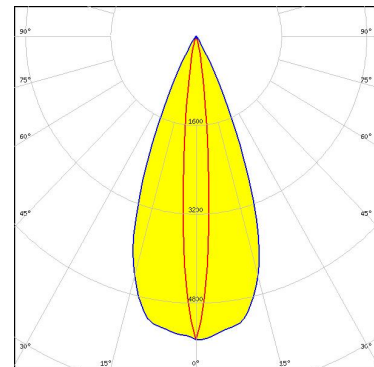
LED NCSxx19B  
 FWHM / FWTM 11.0 + 44.0° / 26.0 + 60.0°  
 Efficiency 90 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour Green  
 Required components:



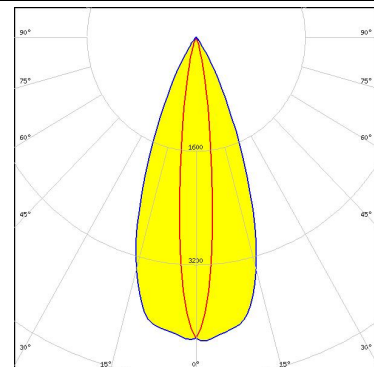
LED NCSxx19B  
 FWHM / FWTM 10.0 + 42.0° / 24.0 + 60.0°  
 Efficiency 90 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour Blue  
 Required components:



LED NCSxx19B  
 FWHM / FWTM 10.0 + 42.0° / 22.0 + 58.0°  
 Efficiency 90 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour Red  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 12.0 + 42.0° / 28.0 + 62.0°  
 Efficiency 88 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

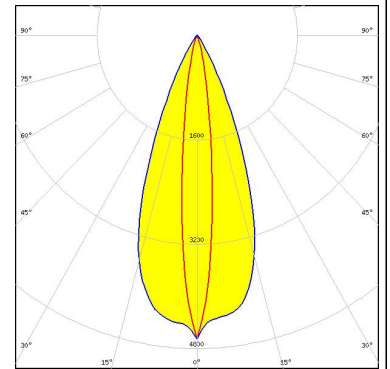


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

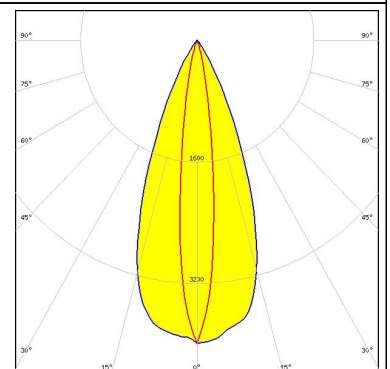
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 12.0 + 41.0° / 28.0 + 62.0°  
Efficiency 90 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



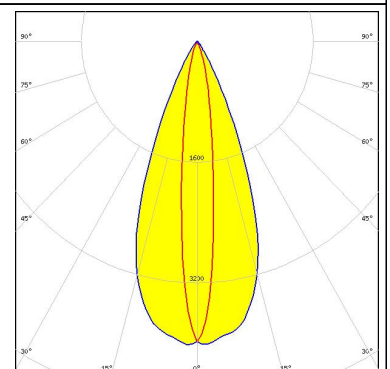
##### SAMSUNG

LED LH351C  
FWHM / FWTM 14.0 + 42.0° / 28.0 + 64.0°  
Efficiency 83 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



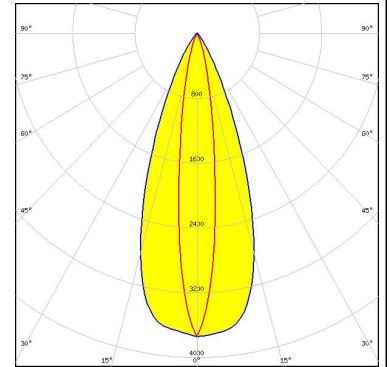
##### SAMSUNG

LED LM302D  
FWHM / FWTM 13.0 + 42.0° / 32.0 + 62.0°  
Efficiency 88 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM / FWTM 40.0 + 14.0° / 64.0 + 34.0°  
Efficiency 87 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

### MATERIALS:

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