

## LR2-O-90

~10° x 40° oval beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape. Variant with beam direction rotated 90°.

### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 21.6 mm |
| Height         | 14.8 mm   |
| Fastening      | tape, pin |
| ROHS compliant | yes ⓘ     |

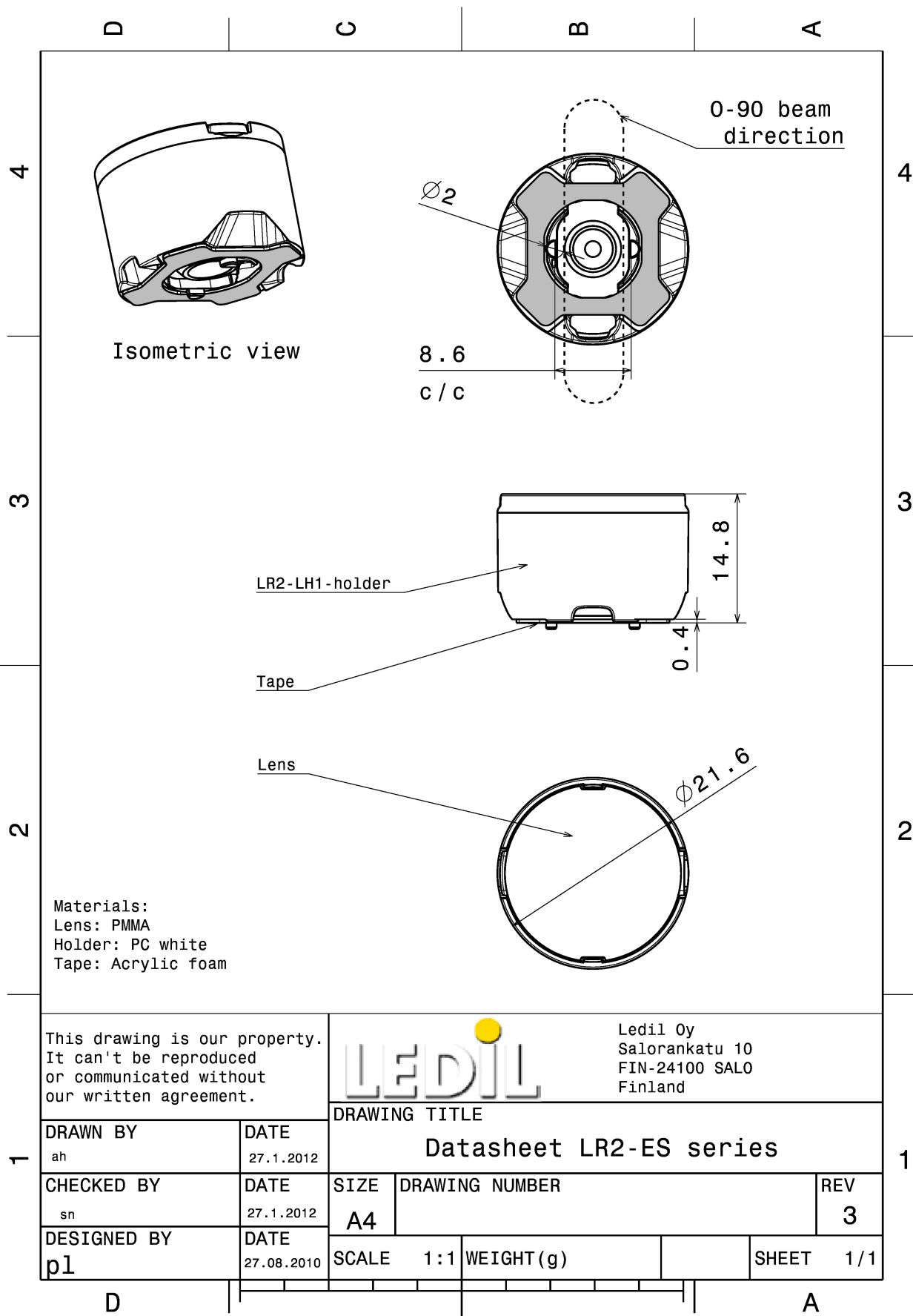


### MATERIALS:

| Component      | Type        | Material     | Colour | Finish |
|----------------|-------------|--------------|--------|--------|
| LXP2-O-90      | Single lens | PMMA         | clear  |        |
| LR2-ES-LH1-HLD | Holder      | PC           | white  |        |
| HEIDI-TAPE     | Tape        | Acrylic foam | black  |        |

### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA12629_LR2-O-90               | Single lens | 1680       | 336 | 112 | 10.0            |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |

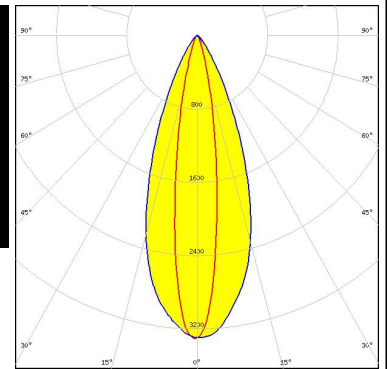
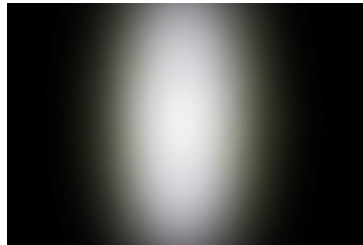


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

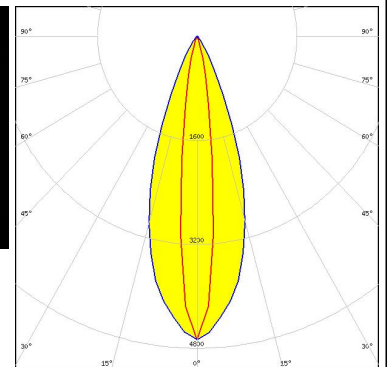
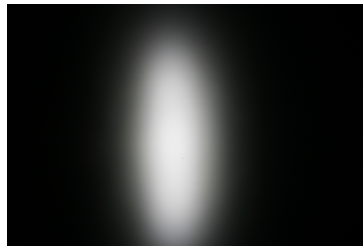
### OPTICAL RESULTS (MEASURED):



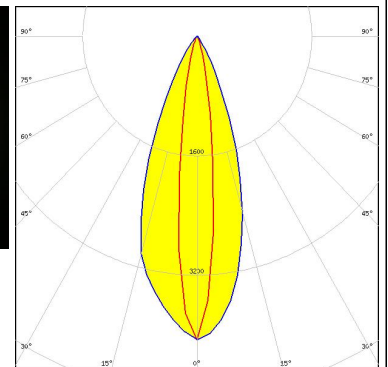
LED XP-L HD  
FWHM / FWTM 16.0 + 39.0° / 35.0 + 67.0°  
Efficiency 89 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



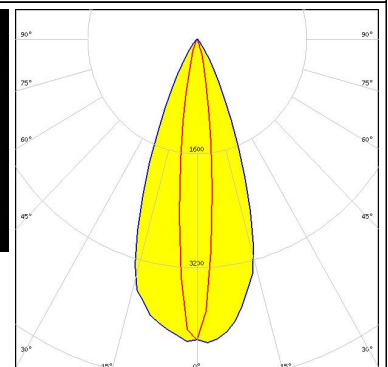
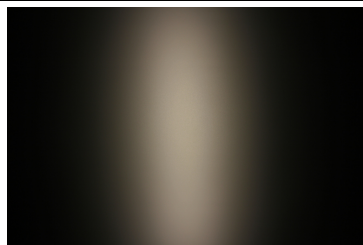
LED LUXEON Rebel ES  
FWHM / FWTM 13.0 + 36.0° / 28.0 + 60.0°  
Efficiency 92 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON T  
FWHM / FWTM 14.0 + 39.0° / 30.0 + 64.0°  
Efficiency 88 %  
Peak intensity 4.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



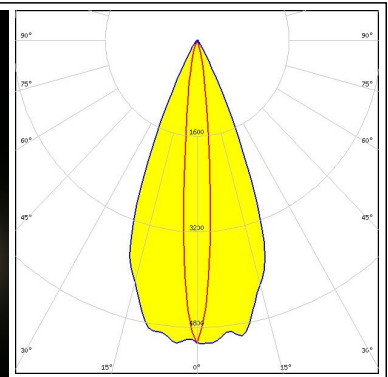
LED LUXEON TX  
FWHM / FWTM 14.0 + 41.0° / 30.0 + 63.0°  
Efficiency 90 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



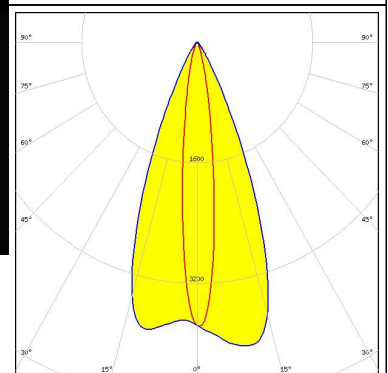
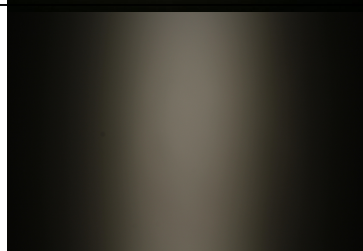
### OPTICAL RESULTS (MEASURED):



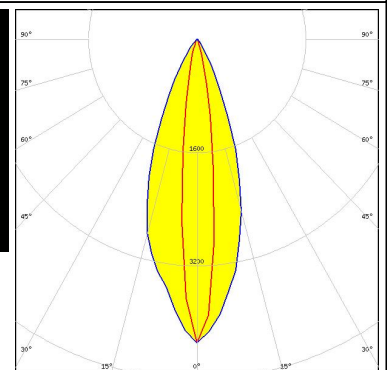
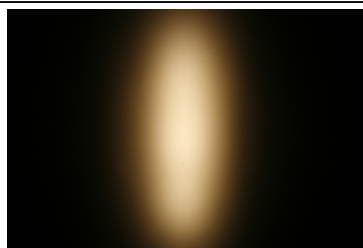
LED LUXEON Z ES  
FWHM / FWTM 10.0 + 40.0° / 26.0 + 60.0°  
Efficiency 89 %  
Peak intensity 6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19B/NVSxx19C  
FWHM / FWTM 13.0 + 43.0° / 31.0 + 62.0°  
Efficiency 94 %  
Peak intensity 4.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



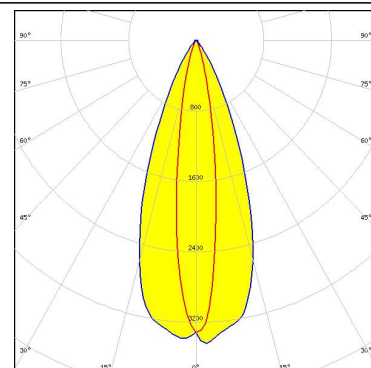
LED OSLON Square EC  
FWHM / FWTM 14.0 + 34.0° / 29.0 + 59.0°  
Efficiency 88 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



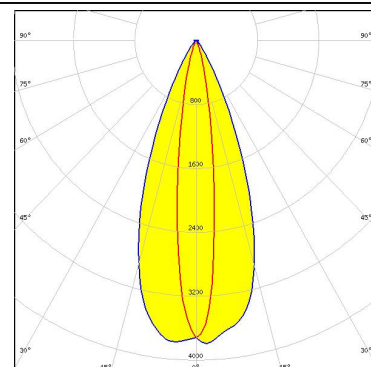
### OPTICAL RESULTS (SIMULATED):



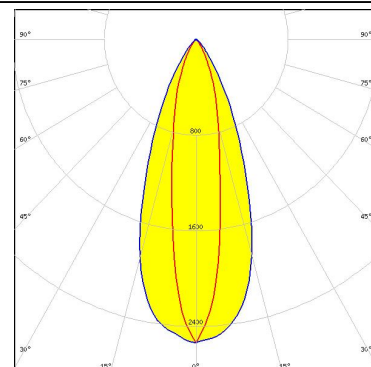
LED XM-L3  
FWHM / FWTM 16.0 + 40.0° / 34.0 + 66.0°  
Efficiency 91 %  
Peak intensity 3.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



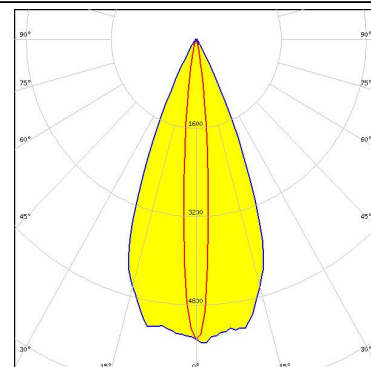
LED XP-G3  
FWHM / FWTM 15.0 + 41.0° / 32.0 + 64.0°  
Efficiency 93 %  
Peak intensity 3.8 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON 5050 Round LES  
FWHM / FWTM 20.0 + 40.0° / 52.0 + 72.0°  
Efficiency 93 %  
Peak intensity 2.5 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



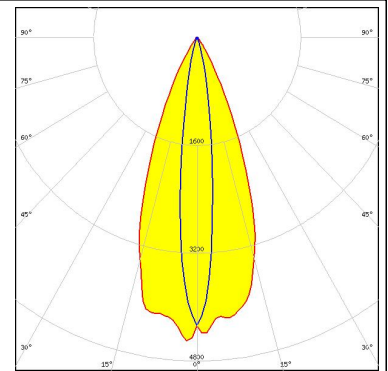
LED LUXEON C  
FWHM / FWTM 9.6 + 44.0° / 22.0 + 59.0°  
Efficiency 94 %  
Peak intensity 5.5 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (SIMULATED):

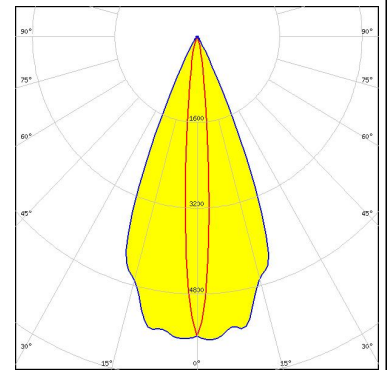
#### LUMILEDS

LED LUXEON V2  
FWHM / FWTM 13.0 + 40.0° / 28.0 + 62.0°  
Efficiency 93 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

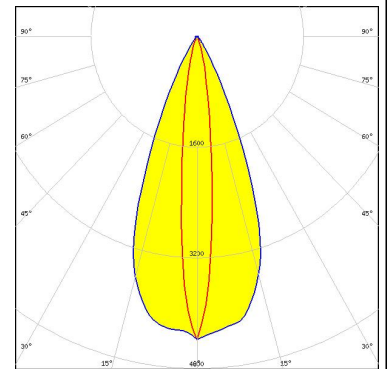
LED LUXEON Z  
FWHM / FWTM 9.0 + 45.0° / 21.0 + 57.0°  
Efficiency 94 %  
Peak intensity 5.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM 12.0 + 42.0° / 30.0 + 62.0°  
Efficiency 94 %  
Peak intensity 4.4 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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