

## LR2-RS

~9.6° spot beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape.

## SPECIFICATION:

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

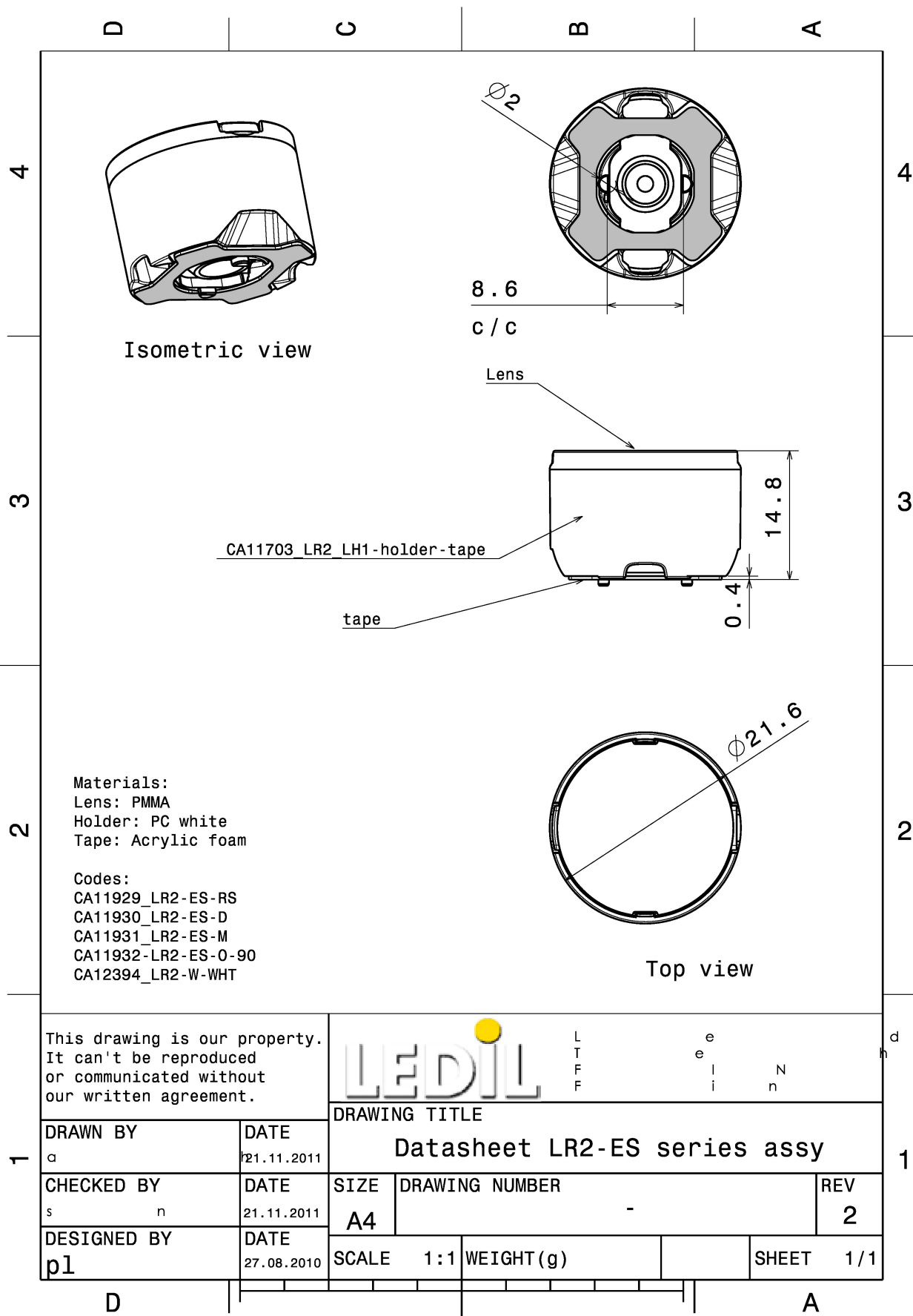
## MATERIALS:

Component	Type	Material	Colour	Finish	Length
LXP2-RS	Single lens	PMMA	clear		21.6
LR2-ES-LH1-HLD	Holder	PC	white		21.6
HEIDI-TAPE	Tape	Acrylic foam	black		

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11929_LR2-RS » Box size: 480 x 280 x 300 mm	1680	336	112	9.3



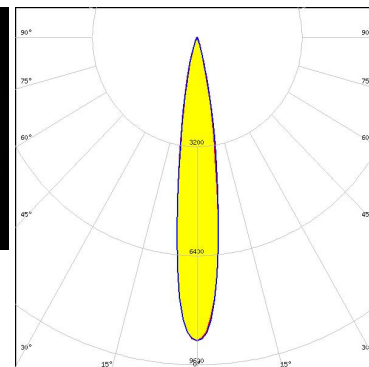


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



LED XP-L HD  
 FWHM / FWTM 16.0° / 31.0°  
 Efficiency 91 %  
 Peak intensity 8.9 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



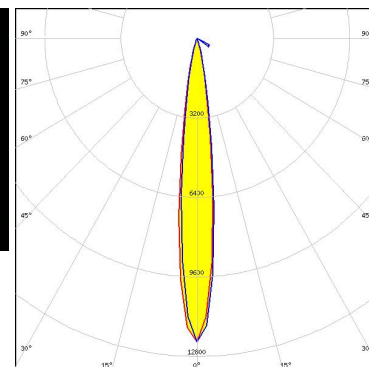
Light distribution files



LED LUXEON Rebel ES  
 FWHM / FWTM 11.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



LED LUXEON T  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 91 %  
 Peak intensity 12.2 cd/Im  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

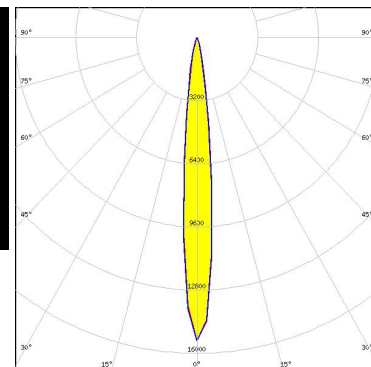


Light distribution files

#### OPTICAL RESULTS (MEASURED):



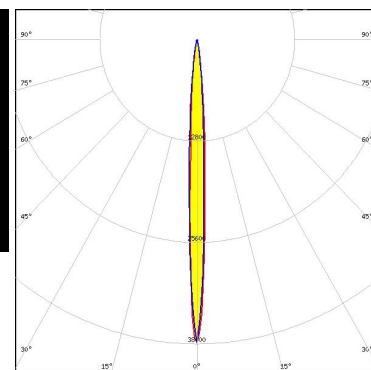
LED LUXEON TX  
FWHM / FWTM 11.0° / 23.0°  
Efficiency 91 %  
Peak intensity 15.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



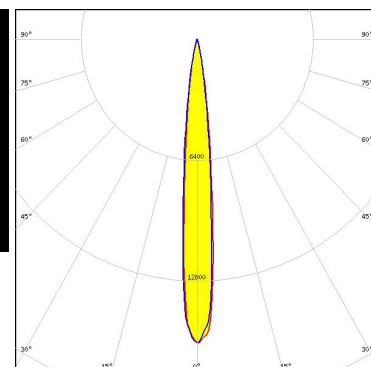
LED LUXEON Z ES  
FWHM / FWTM 6.0° / 16.0°  
Efficiency 91 %  
Peak intensity 38.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
FWHM / FWTM 11.0° / 23.0°  
Efficiency 94 %  
Peak intensity 16 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

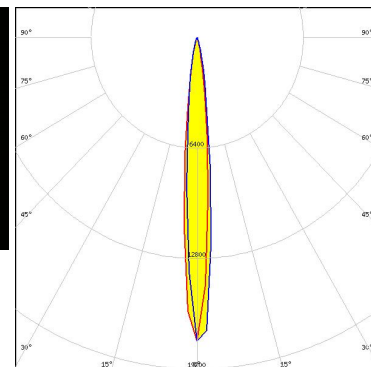


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 92 %  
Peak intensity 17.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

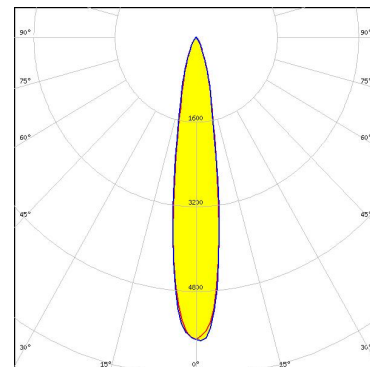
**OSRAM**  
Opto Semiconductors

LED PLPVEC2 850A  
FWHM / FWTM 5.0° / 12.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type IR  
Required components:

### OPTICAL RESULTS (SIMULATED):



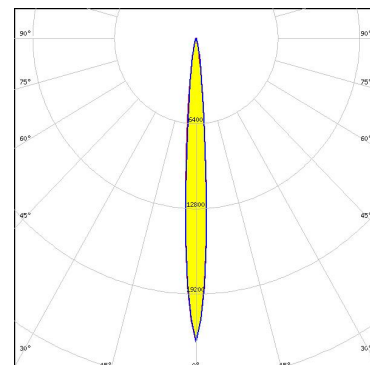
LED J Series 5050 Round LES  
FWHM / FWTM 18.0° / 41.0°  
Efficiency 95 %  
Peak intensity 5.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



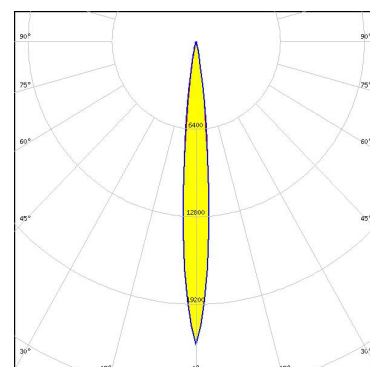
LED XD16  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 91 %  
Peak intensity 22.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G2  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 95 %  
Peak intensity 22.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

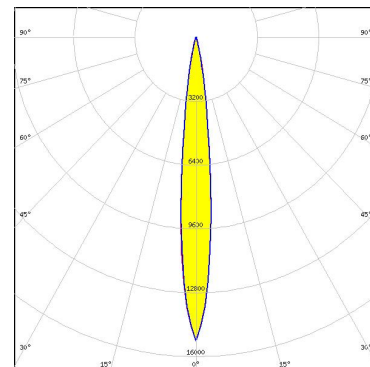


Light distribution files

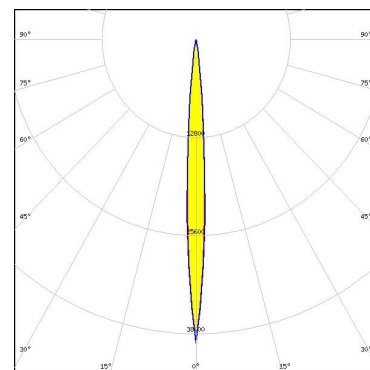
### OPTICAL RESULTS (SIMULATED):



LED XP-G3  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 94 %  
Peak intensity 15.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



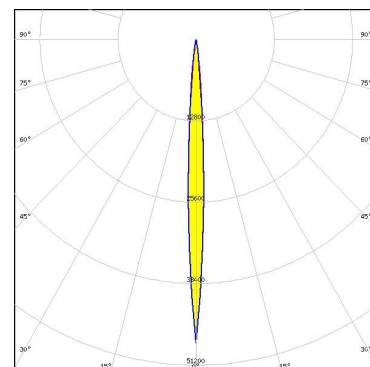
LED XQ-E HD  
FWHM / FWTM 7.0° / 15.0°  
Efficiency 92 %  
Peak intensity 39 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XQ-E HI  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 93 %  
Peak intensity 47.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

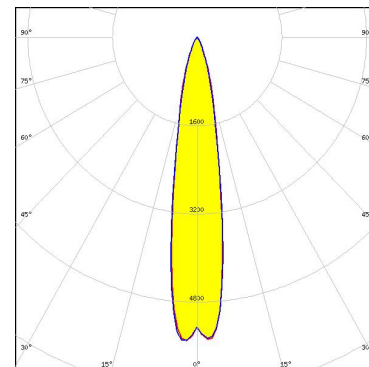


Light distribution files

### OPTICAL RESULTS (SIMULATED):



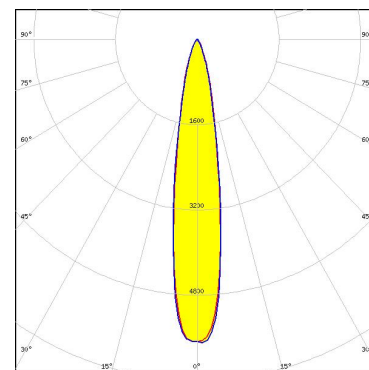
LED LUXEON 5050 Round LES  
FWHM / FWTM 18.0° / 41.0°  
Efficiency 96 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



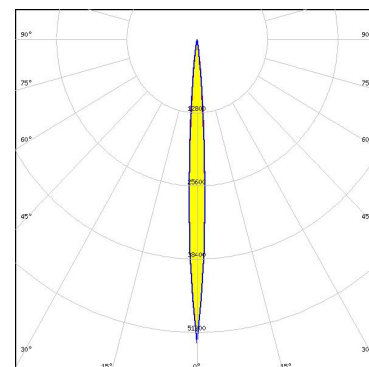
LED LUXEON 5050 Square LES  
FWHM / FWTM 18.0° / 40.0°  
Efficiency 97 %  
Peak intensity 5.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON CZ  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 95 %  
Peak intensity 53 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:



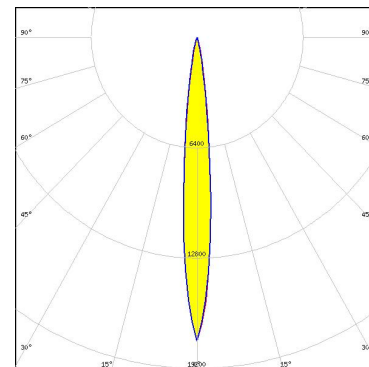
Light distribution files



### OPTICAL RESULTS (SIMULATED):



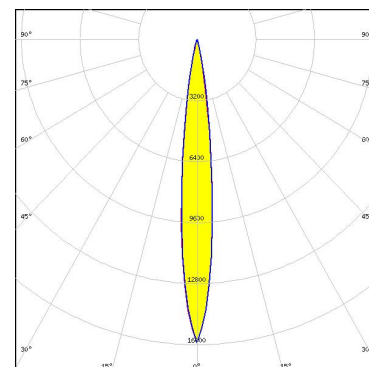
LED LUXEON H50-2  
FWHM / FWTM 10.5° / 22.0°  
Efficiency 93 %  
Peak intensity 17.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



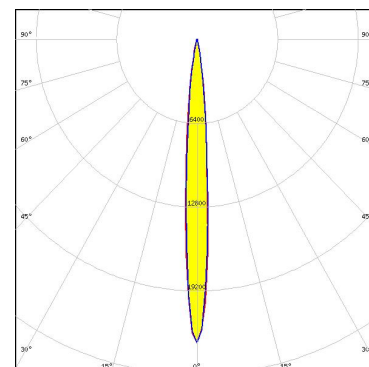
LED LUXEON HL2X  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 94 %  
Peak intensity 15.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON IR Domed 60 (L110-0xxx060000000)  
FWHM / FWTM 8.0° / 20.0°  
Efficiency 92 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:

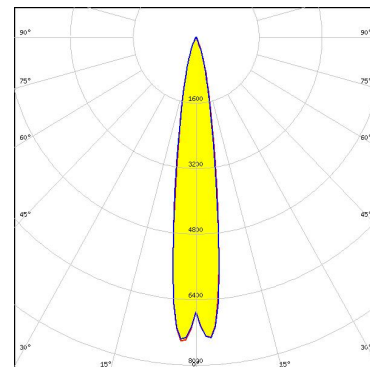


Light distribution files

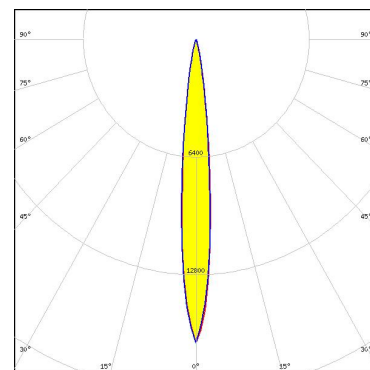
### OPTICAL RESULTS (SIMULATED):



LED LUXEON MZ  
FWHM / FWTM 16.0° / 34.0°  
Efficiency 95 %  
Peak intensity 7.4 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



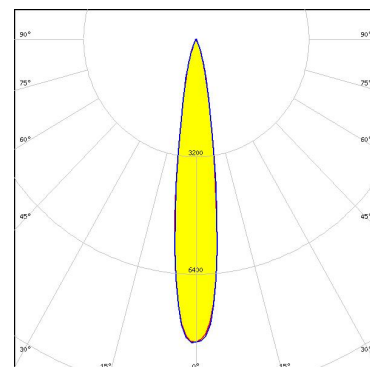
LED LUXEON V2  
FWHM / FWTM 11.0° / 24.0°  
Efficiency 94 %  
Peak intensity 16.5 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NV4WB35AM  
FWHM / FWTM 16.0° / 34.0°  
Efficiency 96 %  
Peak intensity 8.3 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:

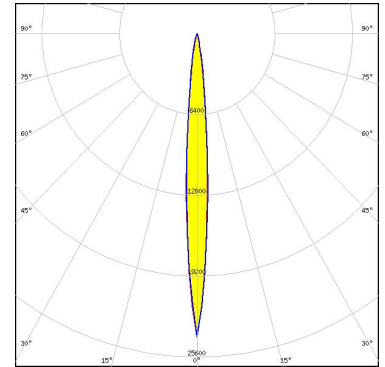


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

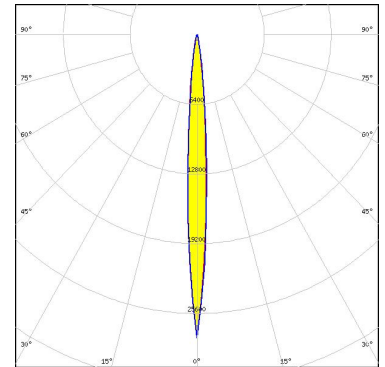
LED OSCONIQ C 2424  
FWHM / FWTM 8.0° / 20.0°  
Efficiency 95 %  
Peak intensity 24 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

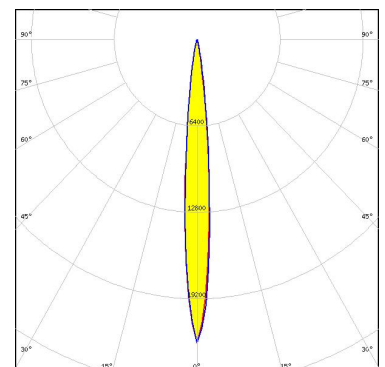
LED OSCONIQ P 3030  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 94 %  
Peak intensity 27.8 cd/lm  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 95 %  
Peak intensity 22.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

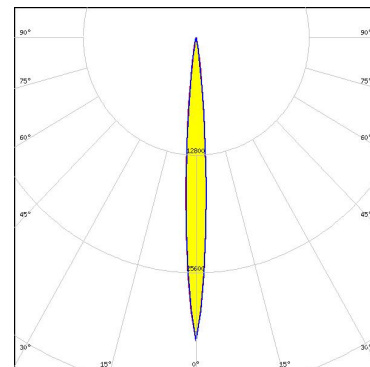


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

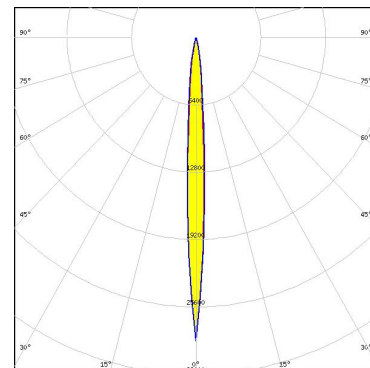
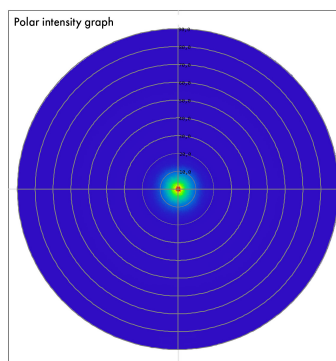
LED OSLON SSL 120  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 95 %  
Peak intensity 33 cd/lm  
LEDs/each optic 1  
Light colour/type Amber  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

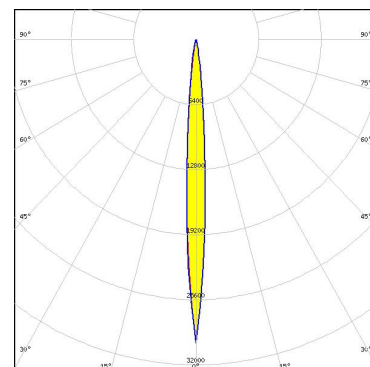
LED SFH 4715AS  
FWHM / FWTM 6.0° / 19.0°  
Efficiency 94 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4770S  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 95 %  
Peak intensity 29.9 cd/lm  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

### 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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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

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#### Distribution Partners

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