

## G2-LAURA-D-P

~13° diffused spot beam. Assembly with thinner white holder, installation tape and location pins.

### SPECIFICATION:

Dimensions	21.6 x 21.6
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes 

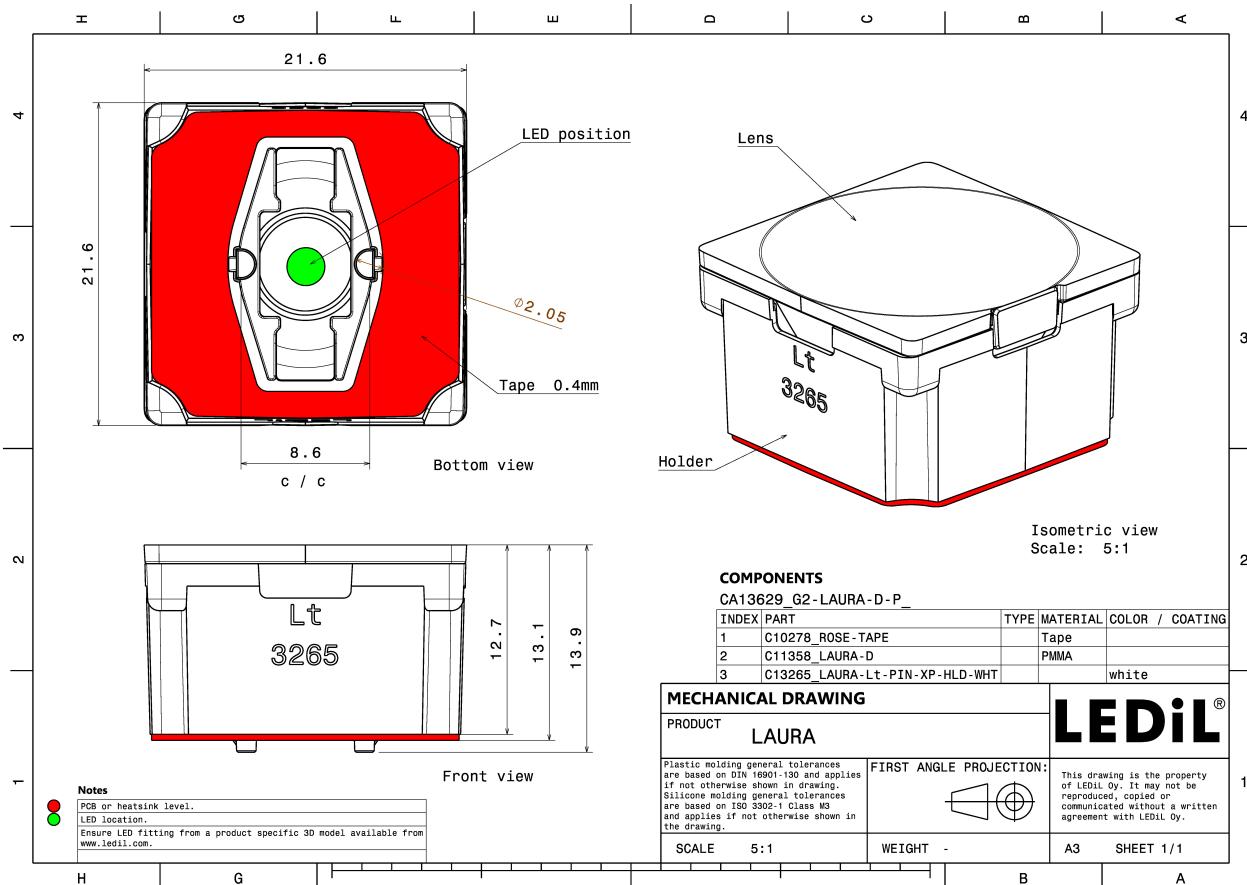


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LAURA-D	Single lens	PMMA	clear		
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white		
ROSE-TAPE	Tape	Acryl tape	grey		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA13629_G2-LAURA-D-P » Box size: 451 x 254 x 152 mm	1440	360	180	5.9

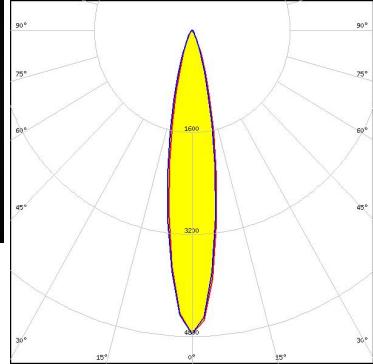
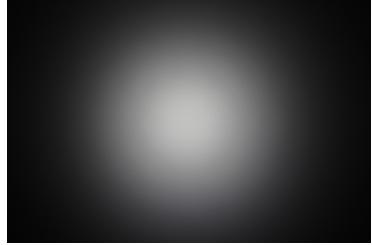


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## OPTICAL RESULTS (MEASURED):



LED XB-H  
FWHM / FWTM 19.0° / 41.0°  
Efficiency 83 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

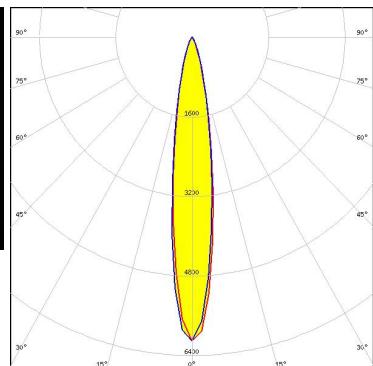


LED XP-E  
FWHM / FWTM 13.0° / 31.0°  
Efficiency 93 %  
Peak intensity 9.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



LED XP-E2  
FWHM / FWTM 16.0° / 37.0°  
Efficiency 83 %  
Peak intensity 6.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

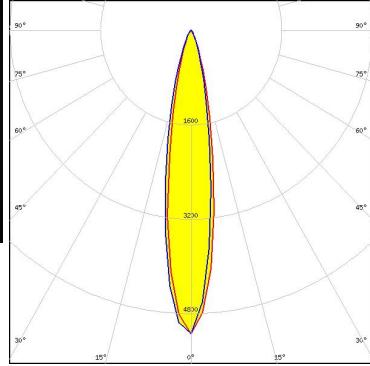


Light distribution files

### OPTICAL RESULTS (MEASURED):



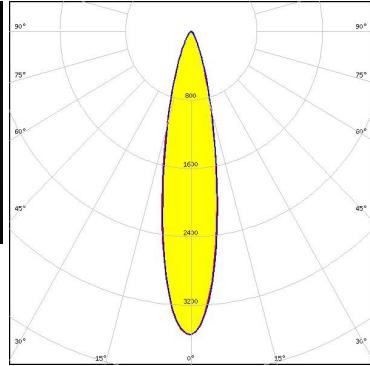
**LED** XP-G2  
**FWHM / FWTM** 19.0° / 40.0°  
**Efficiency** 83 %  
**Peak intensity** 5.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



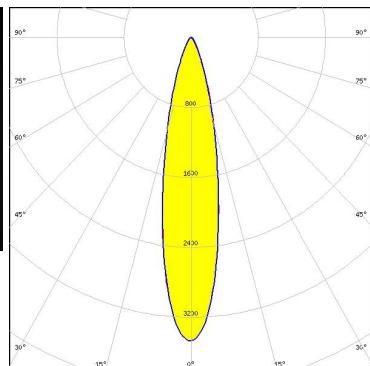
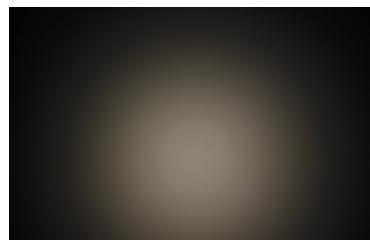
**LED** XP-L HD  
**FWHM / FWTM** 21.0° / 45.0°  
**Efficiency** 81 %  
**Peak intensity** 3.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XP-L2  
**FWHM / FWTM** 22.0° / 48.0°  
**Efficiency** 84 %  
**Peak intensity** 3.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

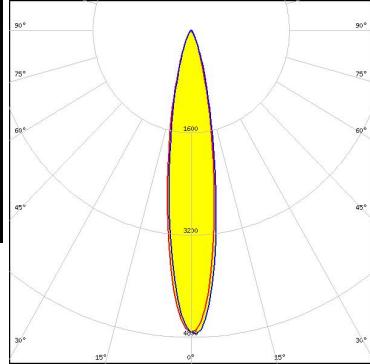


Light distribution files

### OPTICAL RESULTS (MEASURED):



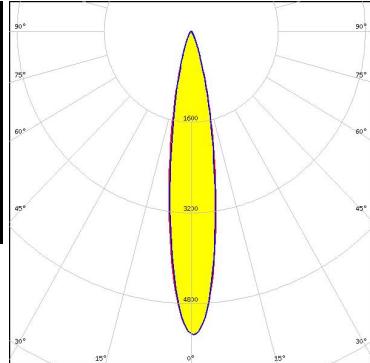
LED XT-E  
FWHM / FWTM 19.0° / 41.0°  
Efficiency 82 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



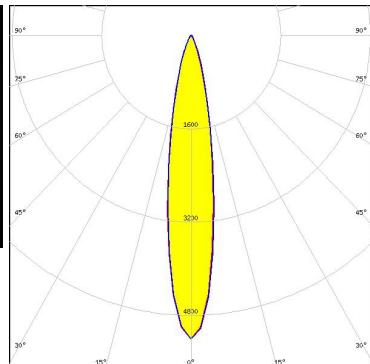
LED LUXEON 3030 2D (Round LES)  
FWHM / FWTM 18.0° / 38.0°  
Efficiency 87 %  
Peak intensity 5.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON TX  
FWHM / FWTM 18.0° / 40.0°  
Efficiency 86 %  
Peak intensity 5.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

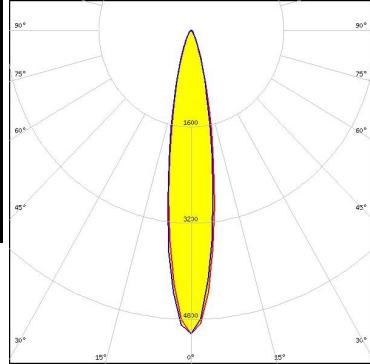


Light distribution files

### OPTICAL RESULTS (MEASURED):



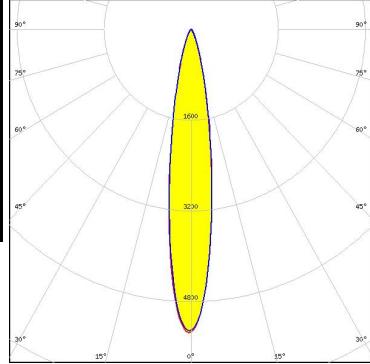
LED NCSxx19A  
 FWHM / FWTM 19.0° / 41.0°  
 Efficiency 87 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



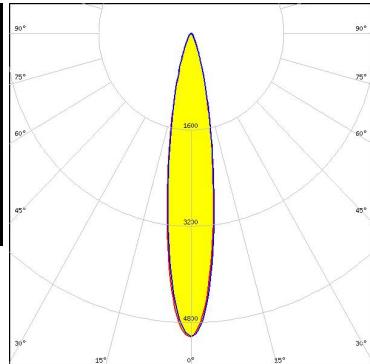
LED NCSxx19B  
 FWHM / FWTM 17.0° / 38.0°  
 Efficiency 83 %  
 Peak intensity 5.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW219D  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 94 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

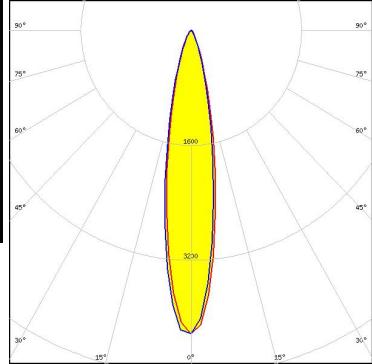


Light distribution files

### OPTICAL RESULTS (MEASURED):



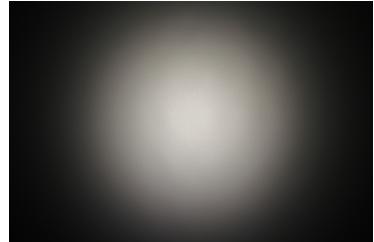
LED NVSxx19A  
 FWHM / FWTM 20.0° / 43.0°  
 Efficiency 81 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 19.0° / 42.0°  
 Efficiency 83 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

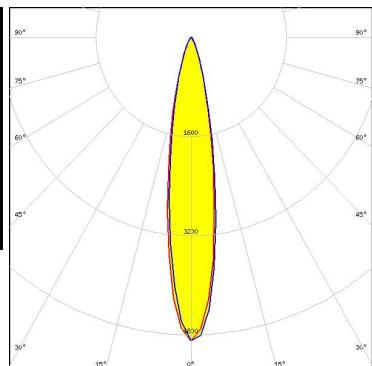


Light distribution files



Opto Semiconductors

LED OSLON Square EC  
 FWHM / FWTM 19.0° / 40.0°  
 Efficiency 82 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

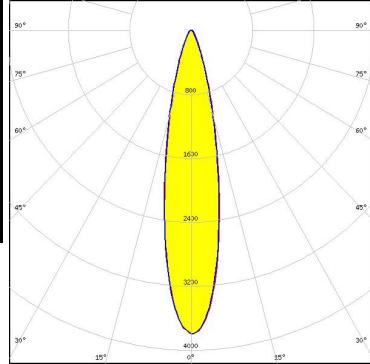


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

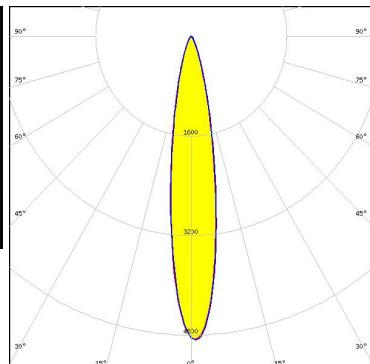
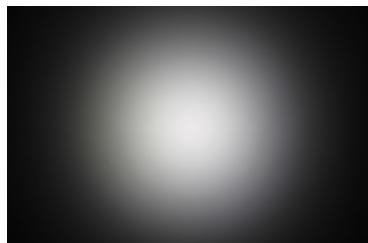
LED LH351D  
 FWHM / FWTM 21.0° / 46.0°  
 Efficiency 93 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### SEoul SEMICONDUCTOR

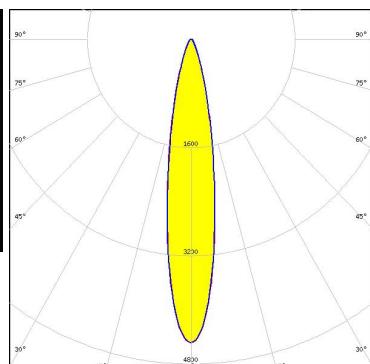
LED Z5M1/Z5M2  
 FWHM / FWTM 18.0° / 39.0°  
 Efficiency 83 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### SEoul SEMICONDUCTOR

LED Z5M3  
 FWHM / FWTM 19.0° / 42.0°  
 Efficiency 93 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

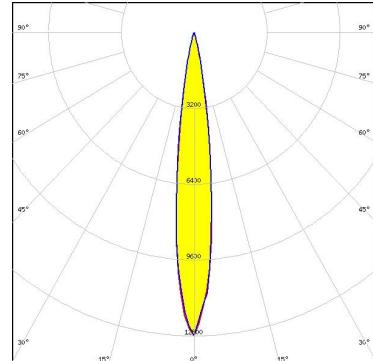


Light distribution files

### OPTICAL RESULTS (SIMULATED):



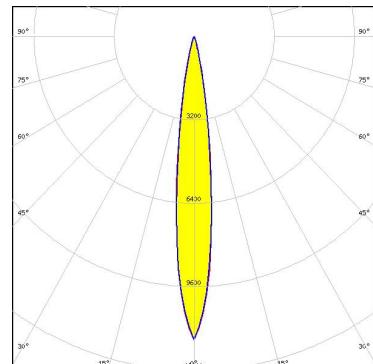
**LED** XHP35 HI  
**FWHM / FWTM** 14.0° / 26.0°  
**Efficiency** 94 %  
**Peak intensity** 12.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



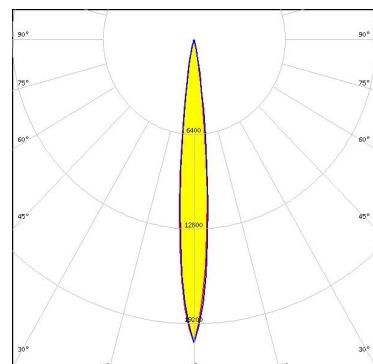
**LED** XP-G3  
**FWHM / FWTM** 14.0° / 28.0°  
**Efficiency** 93 %  
**Peak intensity** 11.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XQ-E HD  
**FWHM / FWTM** 10.8° / 21.2°  
**Efficiency** 94 %  
**Peak intensity** 20.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

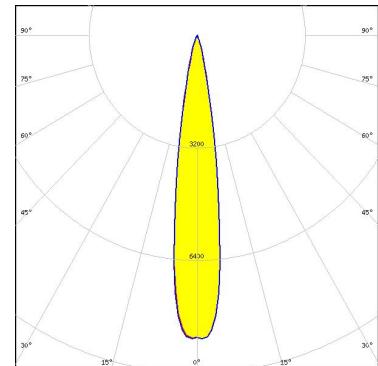


Light distribution files

### OPTICAL RESULTS (SIMULATED):



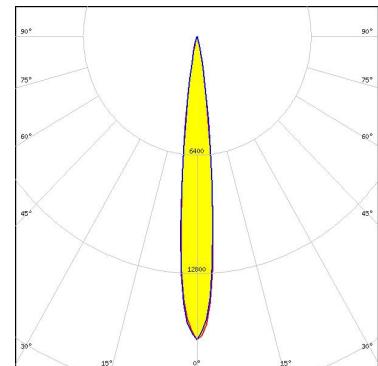
LED NS9x383  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 94 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 94 %  
 Peak intensity 16.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

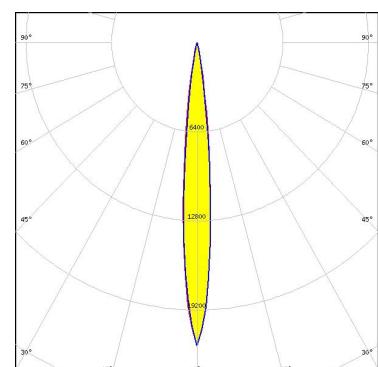


Light distribution files



Opto Semiconductors

LED OSLON Boost HX (KW CULPM1.TG)  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 96 %  
 Peak intensity 21.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



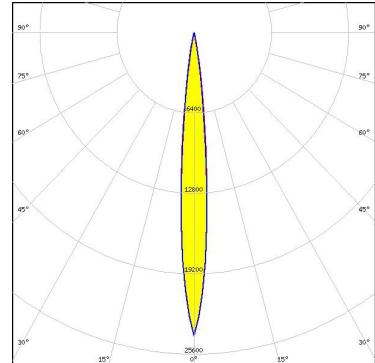
Light distribution files

## OPTICAL RESULTS (SIMULATED):

### OSRAM

Opto Semiconductors

LED	OSLON Signal
FWHM / FWTM	10.0° / 20.0°
Efficiency	95 %
Peak intensity	24.2 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	

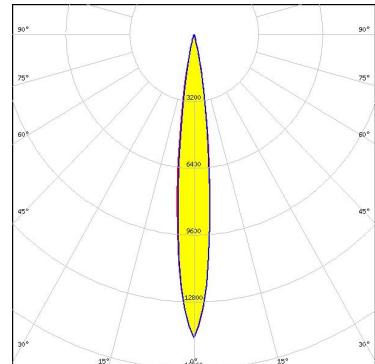


Light distribution files

### OSRAM

Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	12.0° / 25.0°
Efficiency	96 %
Peak intensity	14.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

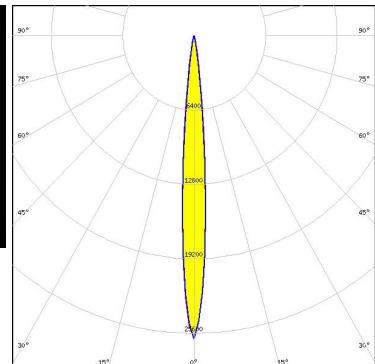
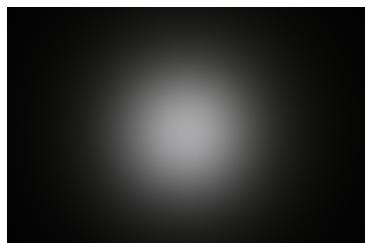


Light distribution files

### OSRAM

Opto Semiconductors

LED	OSLON Square Flat
FWHM / FWTM	9.0° / 19.0°
Efficiency	94 %
Peak intensity	26.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



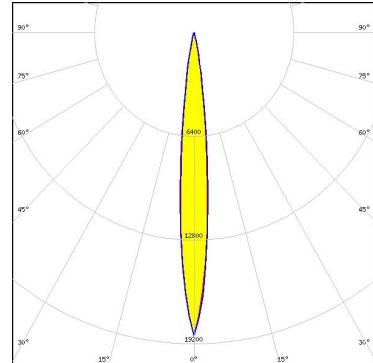
Light distribution files

## OPTICAL RESULTS (SIMULATED):

### OSRAM

Opto Semiconductors

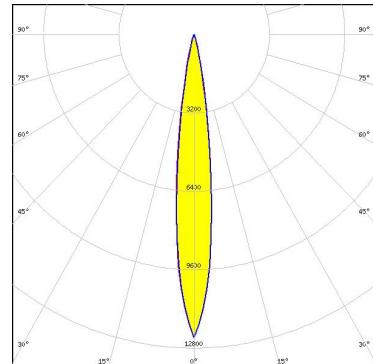
LED OSLON SSL 80  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 95 %  
Peak intensity 18.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### SAMSUNG

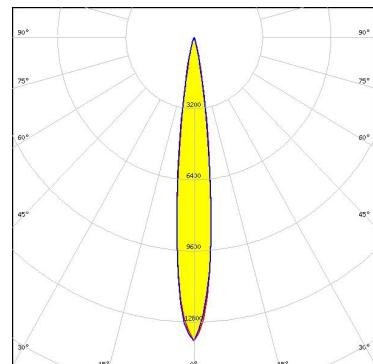
LED LH351C  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 94 %  
Peak intensity 12.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM / FWTM 13.0° / 25.0°  
Efficiency 97 %  
Peak intensity 13.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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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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