

## HEIDI-M

~25° medium beam

### SPECIFICATION:

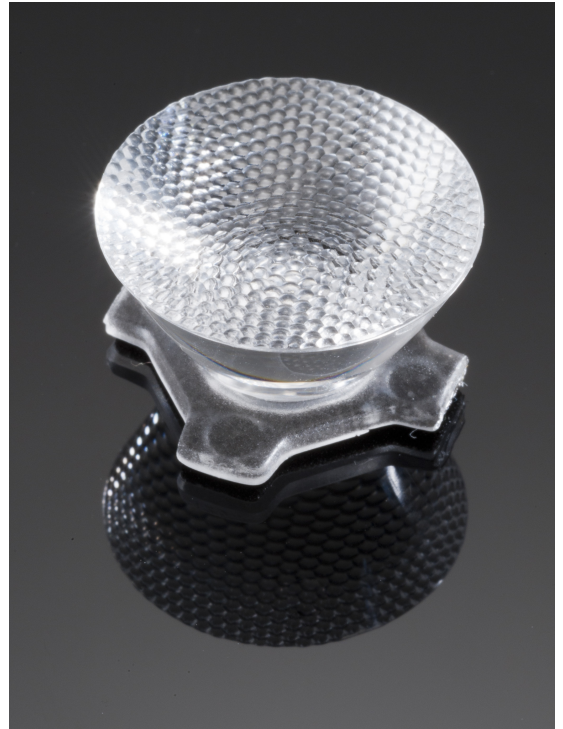
Dimensions	Ø 21.6
Height	11.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

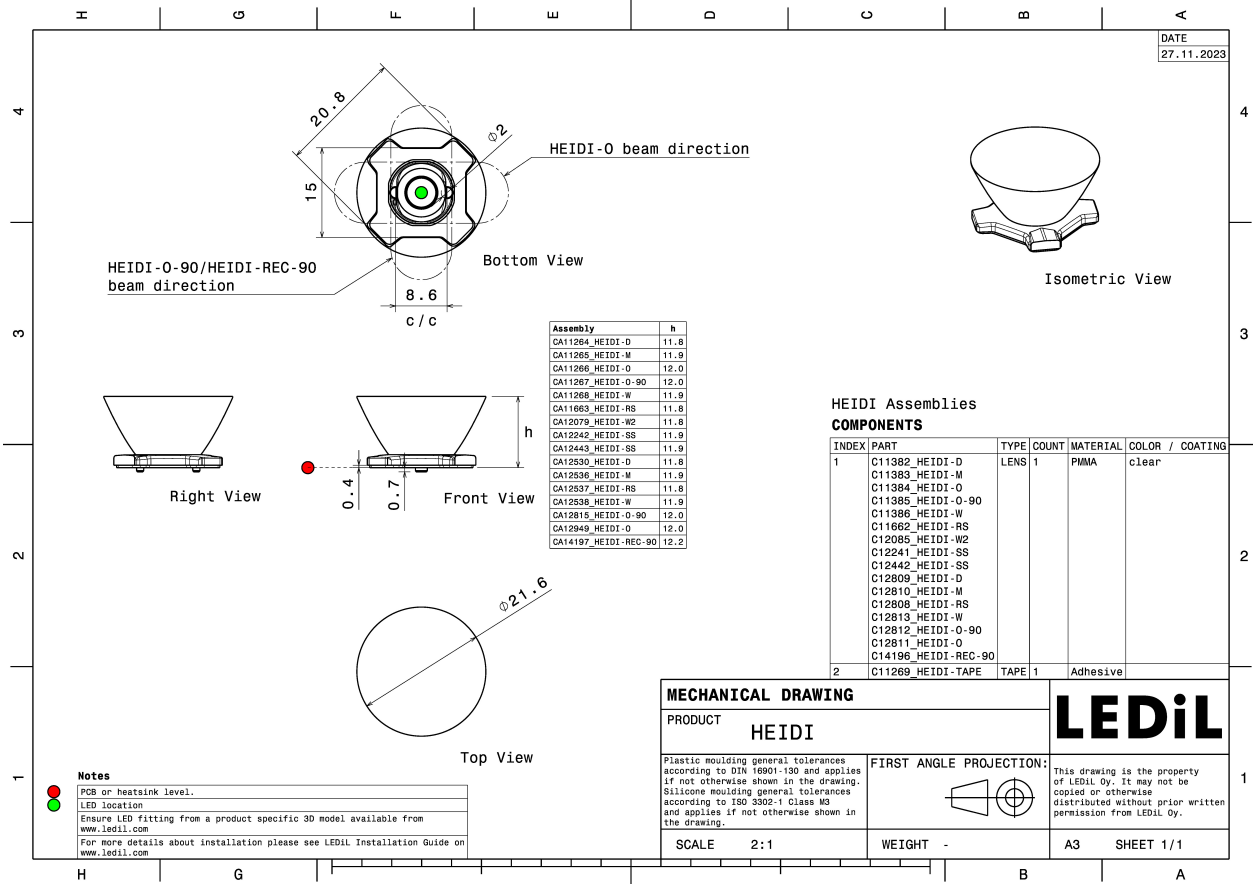
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HEIDI-M	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acrylic foam tape	black		

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11265_HEIDI-M	Single lens	3264	204	204	10.8
» 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 XB-D  
FWHM / FWTM 29.0°  
Efficiency 87 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

[Light distribution files](#)



LED XB-H  
FWHM / FWTM 27.0° / 48.0°  
Efficiency 87 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



[Light distribution files](#)



LED XP-E  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 92 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

[Light distribution files](#)

### OPTICAL RESULTS (MEASURED):

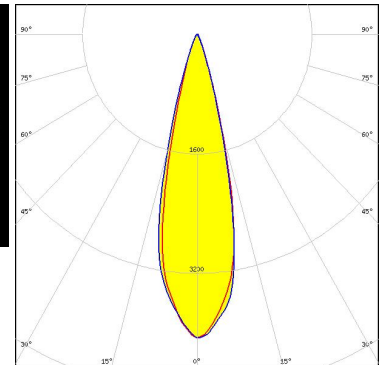


LED XP-G  
 FWHM / FWTM 28.0° / 46.0°  
 Efficiency 92 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



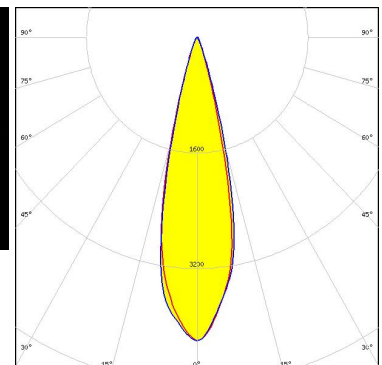
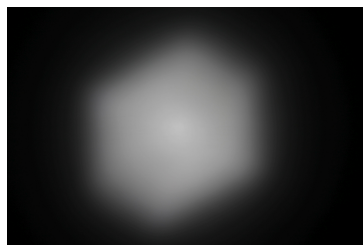
LED XQ-E HD  
 FWHM / FWTM 26.0° / 41.0°  
 Efficiency 94 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XQ-E HI  
 FWHM / FWTM 25.0° / 40.0°  
 Efficiency 94 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

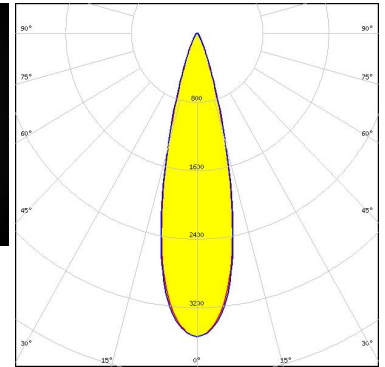
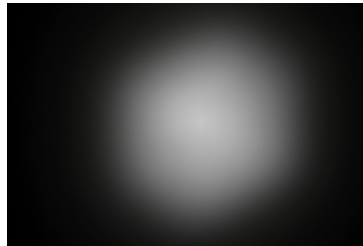


Light distribution files

### OPTICAL RESULTS (MEASURED):



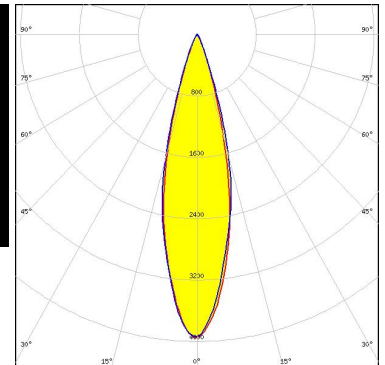
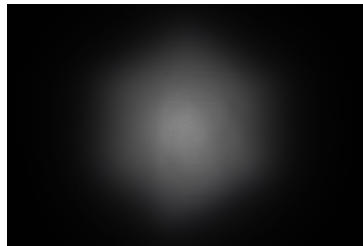
LED XT-E  
 FWHM / FWTM 27.0° / 46.0°  
 Efficiency 94 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



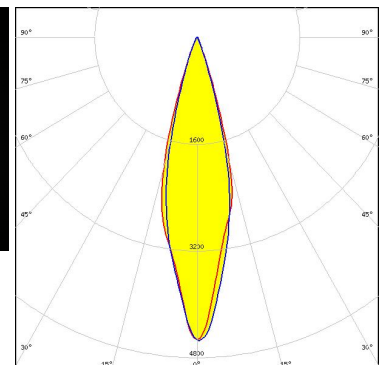
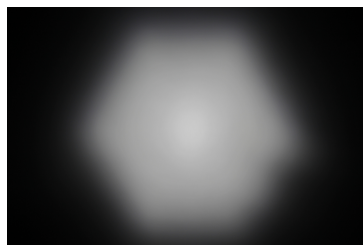
LED LUXEON C  
 FWHM / FWTM 26.0° / 44.0°  
 Efficiency 87 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CZ  
 FWHM / FWTM 26.0° / 42.0°  
 Efficiency 94 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

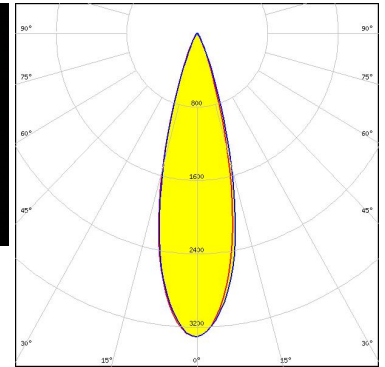


Light distribution files

### OPTICAL RESULTS (MEASURED):



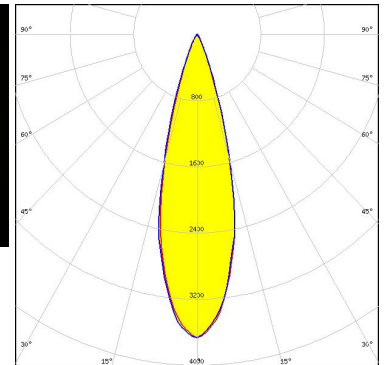
**LED** LUXEON T  
**FWHM / FWTM** 28.0° / 47.0°  
**Efficiency** 87 %  
**Peak intensity** 3.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** NCSxx19B  
**FWHM / FWTM** 29.0° / 47.0°  
**Efficiency** 88 %  
**Peak intensity** 3.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** NVSxx19A  
**FWHM / FWTM** 28.0° / 49.0°  
**Efficiency** 87 %  
**Peak intensity** 3.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 26.0° / 44.0°  
Efficiency 90 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

[Light distribution files](#)

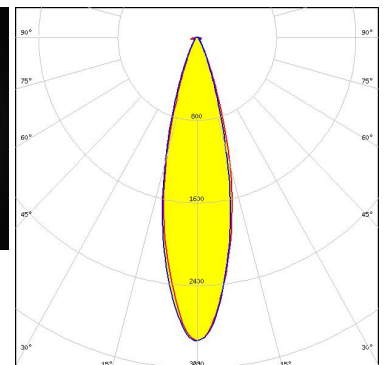
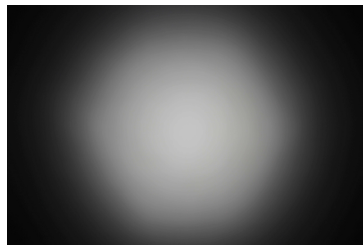
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 87 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

[Light distribution files](#)

**SAMSUNG**

LED LH181A  
FWHM / FWTM 27.0° / 49.0°  
Efficiency 88 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

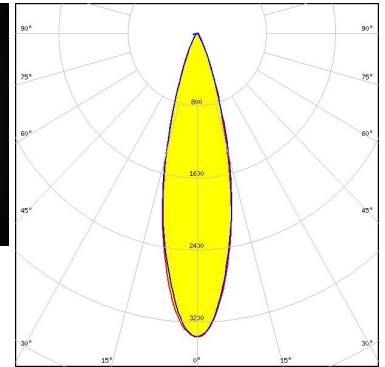
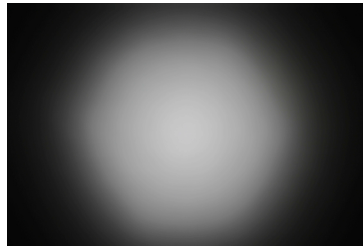


[Light distribution files](#)

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

LED LH181B  
 FWHM / FWTM 27.0° / 49.0°  
 Efficiency 93 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

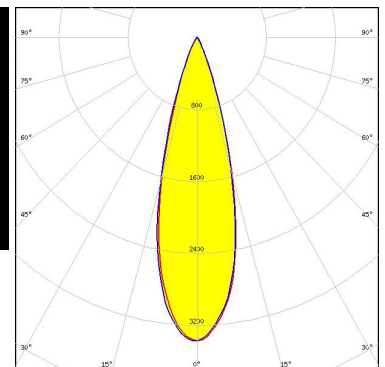
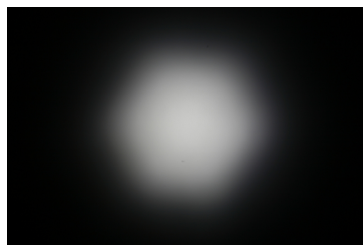


LED Z5  
 FWHM / FWTM 28.0° / 42.0°  
 Efficiency 87 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



LED Z5M1/Z5M2  
 FWHM / FWTM 29.0° / 48.0°  
 Efficiency 89 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



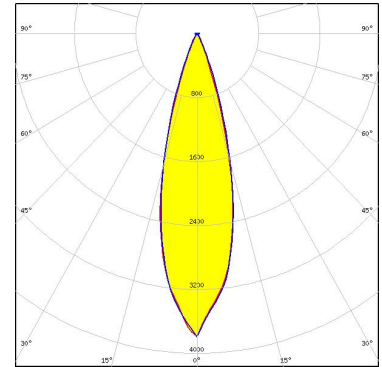
Light distribution files



### OPTICAL RESULTS (SIMULATED):



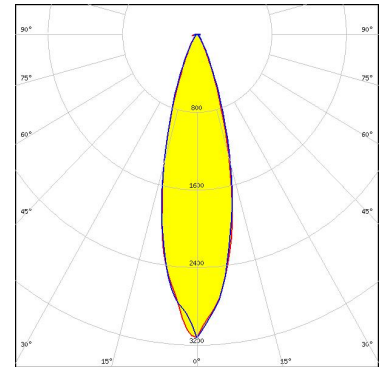
**LED** XB-D  
**FWHM / FWTM** 28.0° / 46.0°  
**Efficiency** 93 %  
**Peak intensity** 3.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



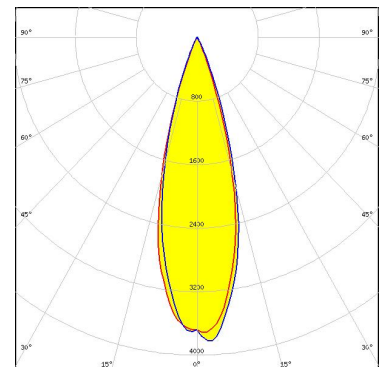
**LED** XHP35.2 HI  
**FWHM / FWTM** 28.0° / 52.0°  
**Efficiency** 94 %  
**Peak intensity** 3.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XP-E2  
**FWHM / FWTM** 29.0° / 46.0°  
**Efficiency** 96 %  
**Peak intensity** 3.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Green  
**Required components:**

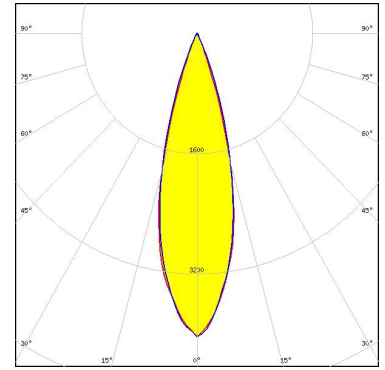


Light distribution files

### OPTICAL RESULTS (SIMULATED):



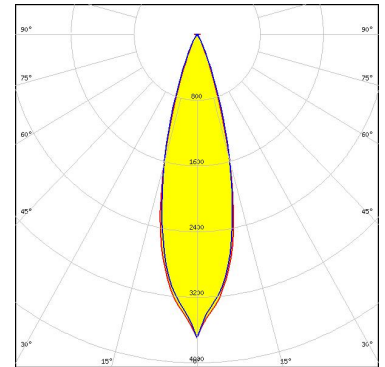
LED XP-E2  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 96 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



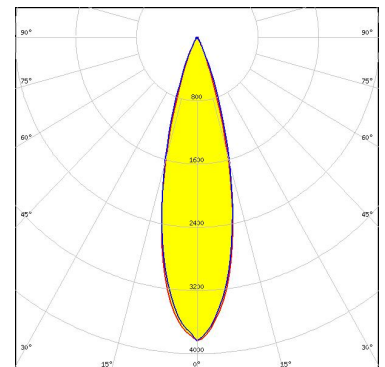
LED XT-E  
FWHM / FWTM 28.0° / 48.0°  
Efficiency 93 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON HL2Z  
FWHM / FWTM 28.0° / 48.0°  
Efficiency 96 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

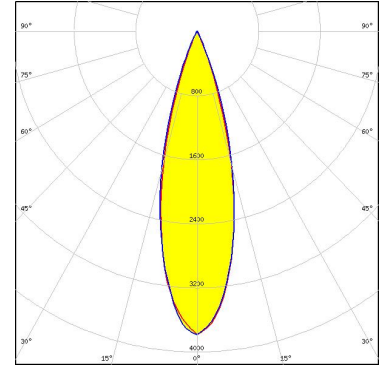


Light distribution files

### OPTICAL RESULTS (SIMULATED):



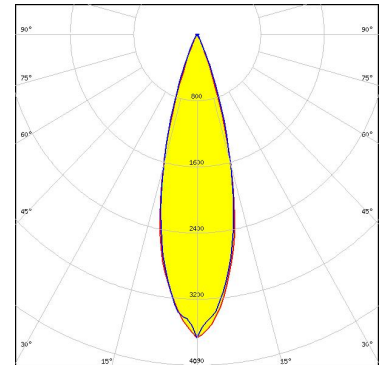
LED LUXEON SunPlus 20 Line (120 deg)  
 FWHM / FWTM 28.0° / 47.0°  
 Efficiency 95 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



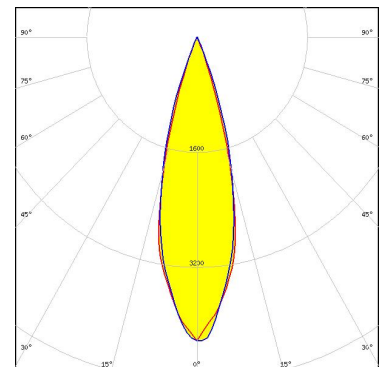
LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM / FWTM 28.0° / 45.0°  
 Efficiency 91 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON Z  
 FWHM / FWTM 28.0° / 44.0°  
 Efficiency 96 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

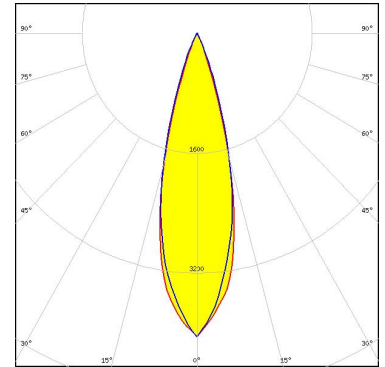


Light distribution files

### OPTICAL RESULTS (SIMULATED):



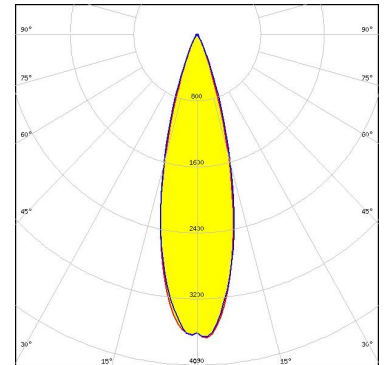
LED LUXEON Z ES  
FWHM / FWTM 28.0° / 45.0°  
Efficiency 94 %  
Peak intensity 4.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



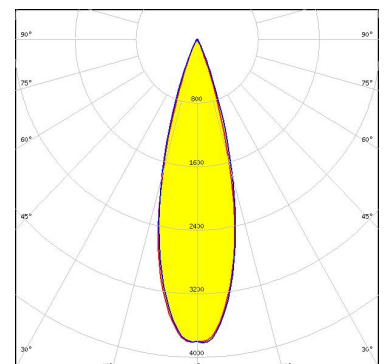
LED NVSxE21A  
FWHM / FWTM 28.0° / 47.0°  
Efficiency 94 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSCONIQ P 3030  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 96 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

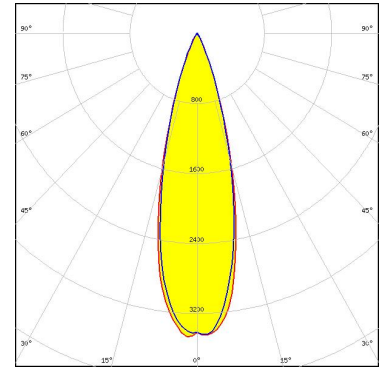


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 28.0° / 48.0°  
Efficiency 94 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

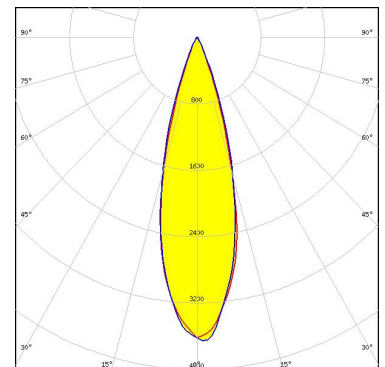
**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM / FWTM 29.0°  
Efficiency %  
Peak intensity 3.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM / FWTM 29.0° / 47.0°  
Efficiency 96 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

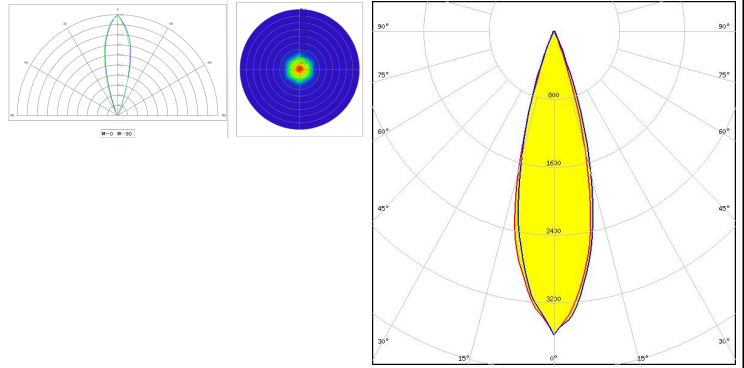


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED SFH 4170S  
FWHM / FWTM 28.0° / 44.0°  
Efficiency 88 %  
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:

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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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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#### Local sales and technical support

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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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