

## EMILY-RS

~8° spot beam. 14.74 mm high lens.

## SPECIFICATION:

Dimensions	Ã~ 26.0 mm
Height	14.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

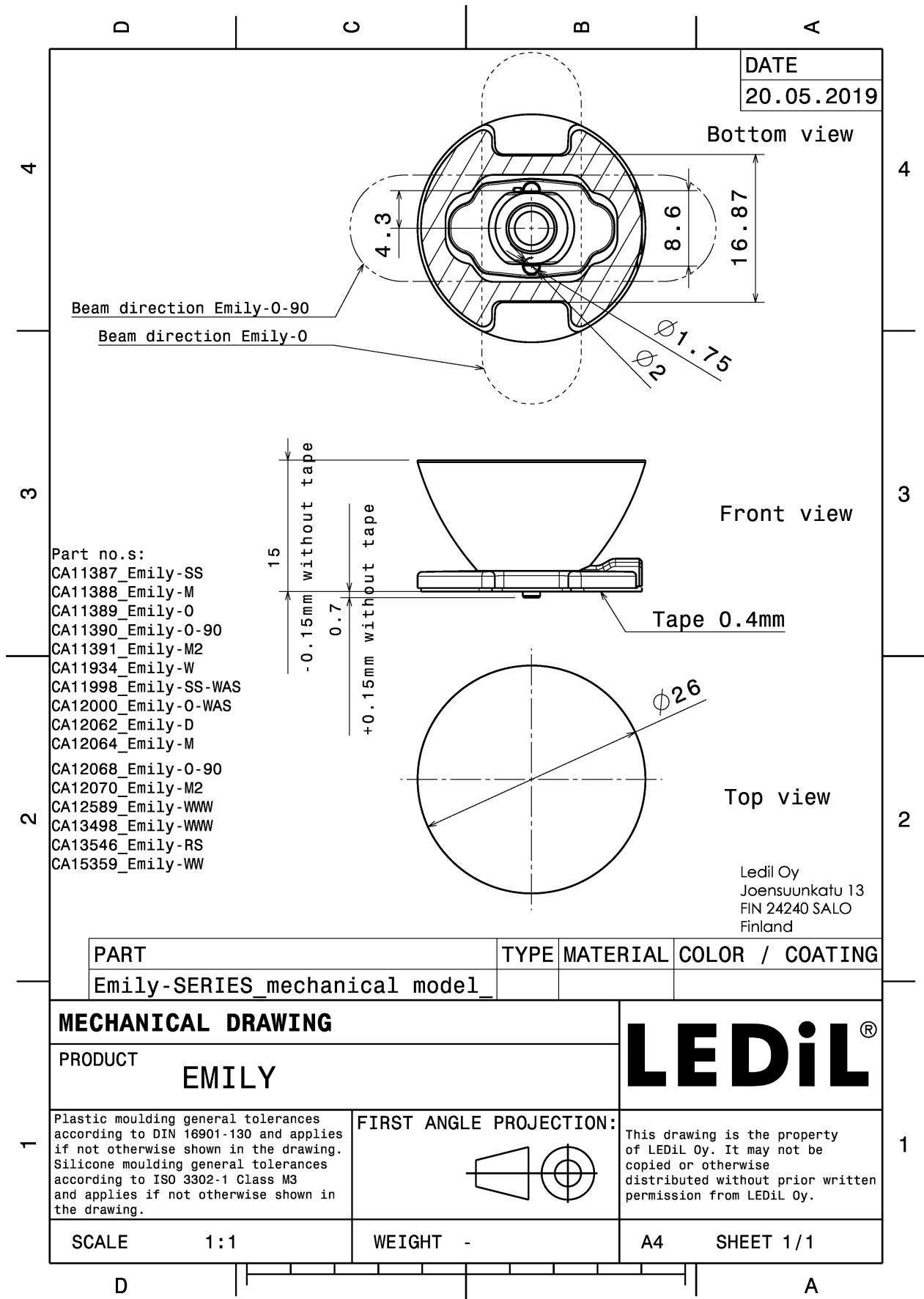
## MATERIALS:

Component	Type	Material	Colour	Finish	Length
EMILY-RS	Single lens	PMMA	clear		26.0
SPUTNIK-TAPE	Tape	Acrylic foam	black		25.0

## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13546_EMILY-RS	Single lens	1690	260	130	10.3
» Box size: 480 x 280 x 300 mm					



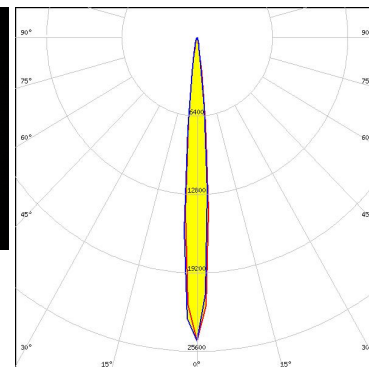


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



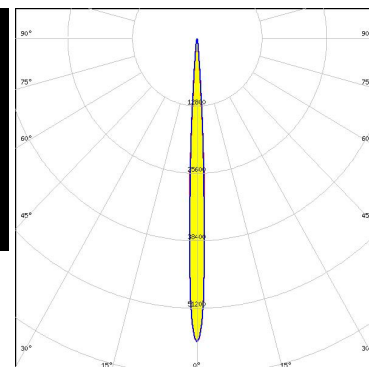
LED XB-H  
FWHM / FWTM 9.0° / 17.0°  
Efficiency 88 %  
Peak intensity 24.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



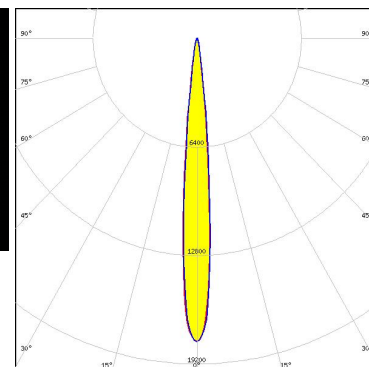
LED XP-E2  
FWHM / FWTM 6.0° / 11.0°  
Efficiency 96 %  
Peak intensity 57.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G3  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 94 %  
Peak intensity 18 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

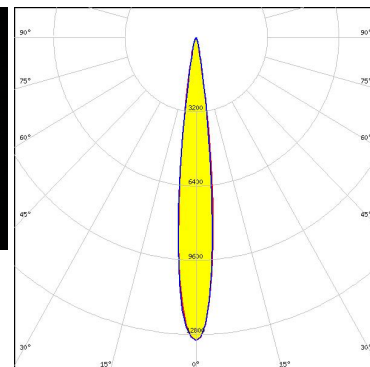


Light distribution files

#### OPTICAL RESULTS (MEASURED):



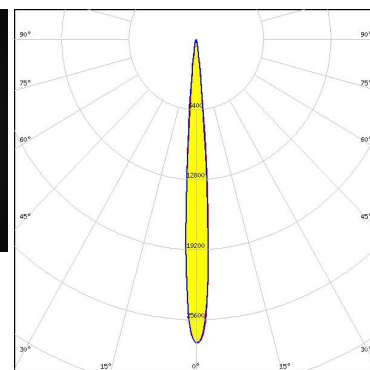
LED XP-L HD  
 FWHM / FWTM 13.0° / 23.0°  
 Efficiency 89 %  
 Peak intensity 13.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



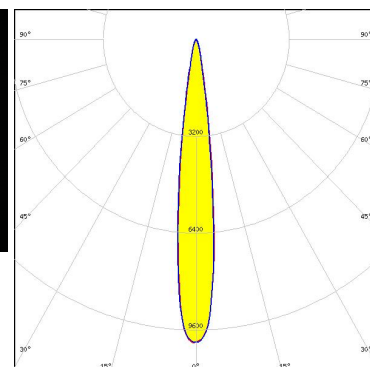
LED XP-L HI  
 FWHM / FWTM 8.0° / 15.0°  
 Efficiency 88 %  
 Peak intensity 28 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-L2  
 FWHM / FWTM 13.0° / 25.0°  
 Efficiency 93 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



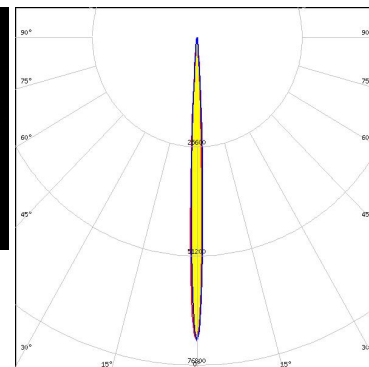
Light distribution files



#### OPTICAL RESULTS (MEASURED):



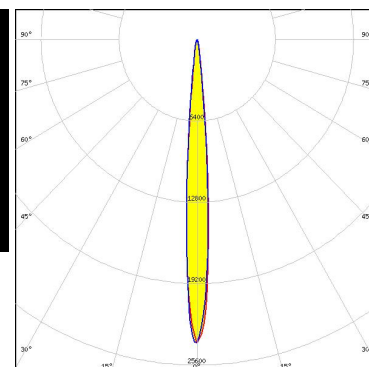
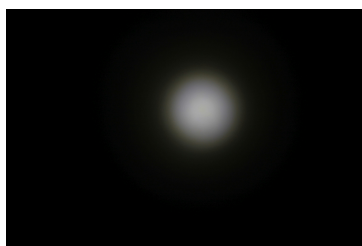
LED XQ-E HI  
FWHM / FWTM 4.0° / 9.0°  
Efficiency 94 %  
Peak intensity 71.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



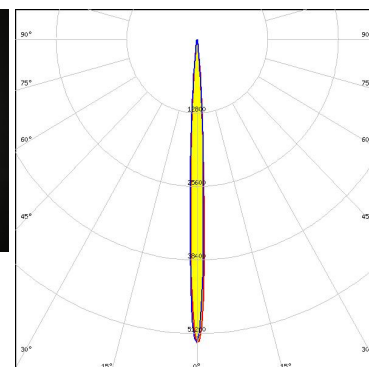
LED XT-E  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 91 %  
Peak intensity 23.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON Z ES  
FWHM / FWTM 5.0° / 11.0°  
Efficiency 91 %  
Peak intensity 52 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

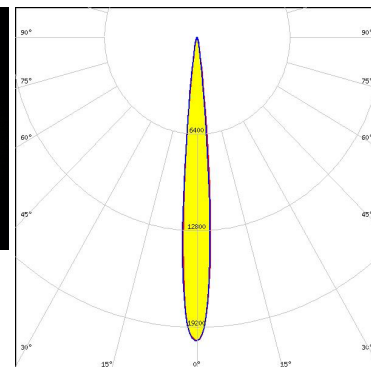


Light distribution files

### OPTICAL RESULTS (MEASURED):



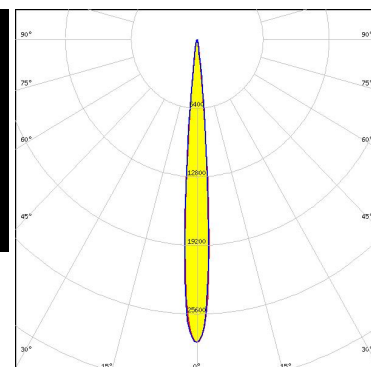
LED NVSW219D  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 94 %  
Peak intensity 20.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NVSW719AC  
FWHM / FWTM 9.0° / 15.0°  
Efficiency 95 %  
Peak intensity 28.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSLOM Square EC  
FWHM / FWTM 8.0° / 15.0°  
Efficiency 90 %  
Peak intensity 29.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

### OPTICAL RESULTS (MEASURED):

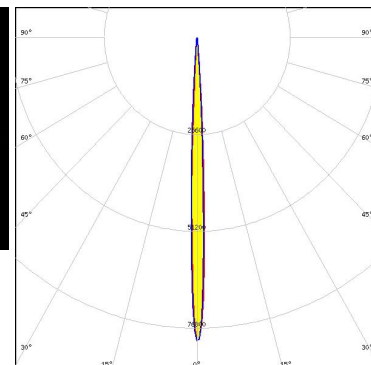


LED PLPVEC2 850A  
FWHM / FWTM 4.0° / 11.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type IR  
Required components:

Light distribution files



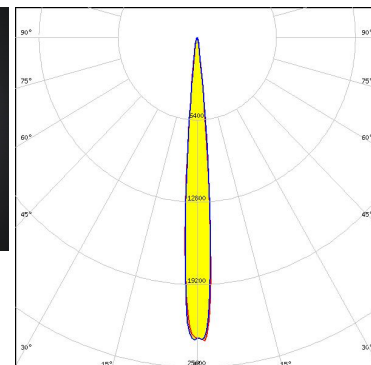
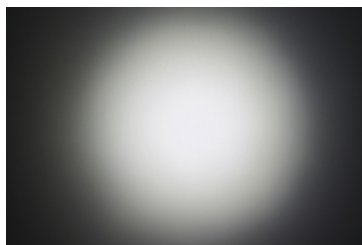
LED nPola  
FWHM / FWTM 5.0°  
Efficiency 94 %  
Peak intensity 81.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED Z5M1/Z5M2  
FWHM / FWTM 9.0° / 15.0°  
Efficiency 91 %  
Peak intensity 23.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

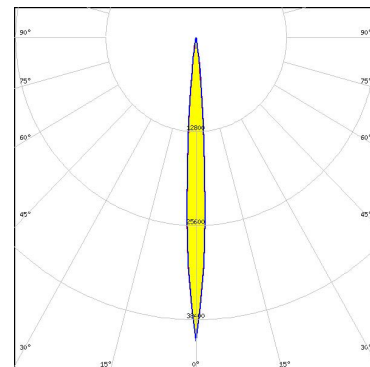


Light distribution files

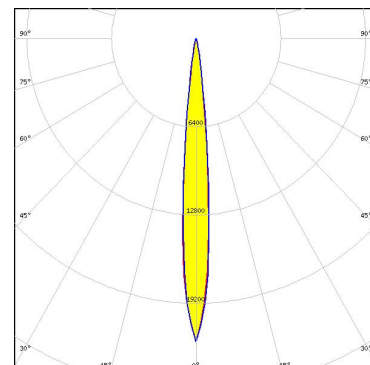
### OPTICAL RESULTS (SIMULATED):



LED XE-G  
FWHM / FWTM 8.0° / 14.0°  
Efficiency 95 %  
Peak intensity 41.3 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:



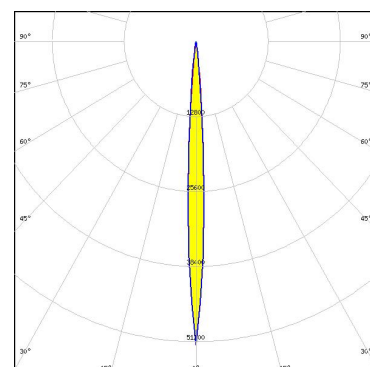
LED XHP35 HI  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 96 %  
Peak intensity 22 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-E2  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 94 %  
Peak intensity 51.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

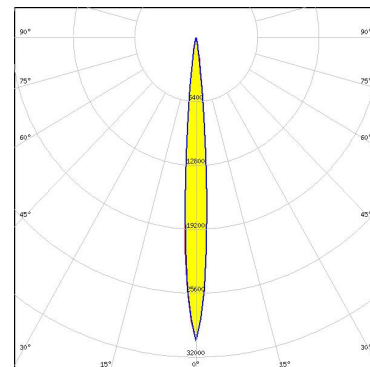


Light distribution files

### OPTICAL RESULTS (SIMULATED):



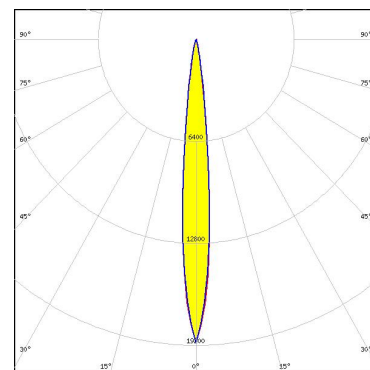
LED XP-G2  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 94 %  
Peak intensity 30.4 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



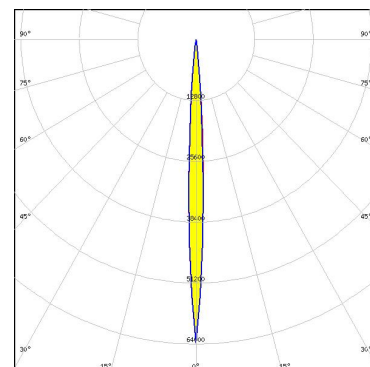
LED XP-G2 HE  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 95 %  
Peak intensity 19.1 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-P  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 96 %  
Peak intensity 63.8 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:

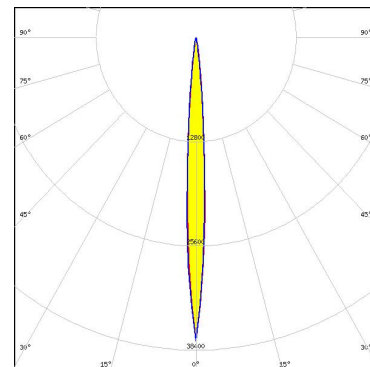


Light distribution files

### OPTICAL RESULTS (SIMULATED):



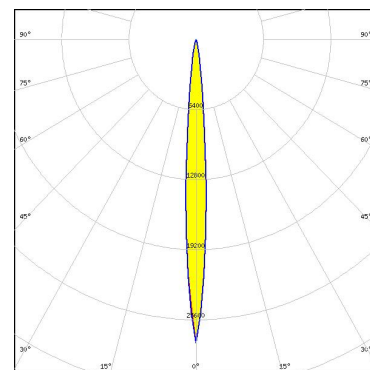
LED LUXEON C  
FWHM / FWTM 7.0° / 16.0°  
Efficiency 94 %  
Peak intensity 37.3 cd/lm  
LEDs/each optic 1  
Light colour/type Royal Blue  
Required components:



Light distribution files



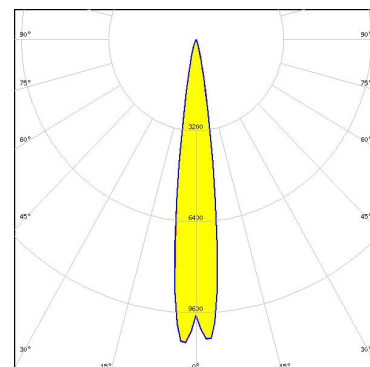
LED LUXEON HL2Z  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 96 %  
Peak intensity 27.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON MZ  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 95 %  
Peak intensity 10.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



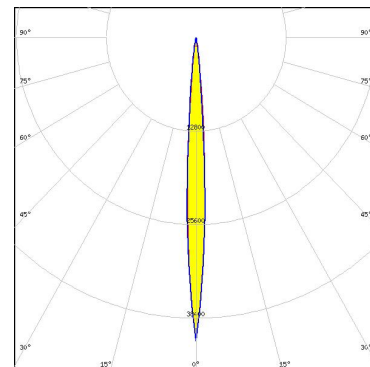
Light distribution files



### OPTICAL RESULTS (SIMULATED):



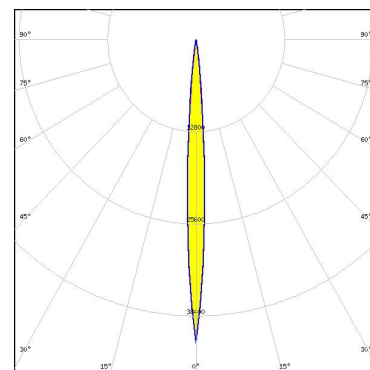
LED LUXEON Rebel  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 94 %  
Peak intensity 41.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



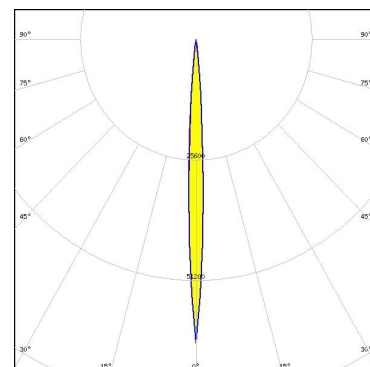
LED LUXEON Rebel Plus  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 94 %  
Peak intensity 42.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON Rubix  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 96 %  
Peak intensity 64.5 cd/lm  
LEDs/each optic 1  
Light colour/type Green  
Required components:

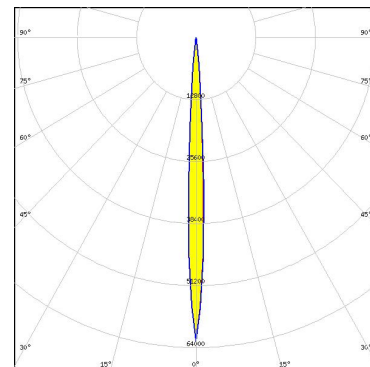


Light distribution files

### OPTICAL RESULTS (SIMULATED):



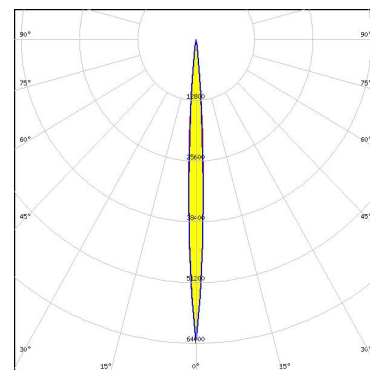
LED LUXEON Rubix  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 96 %  
Peak intensity 62.6 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



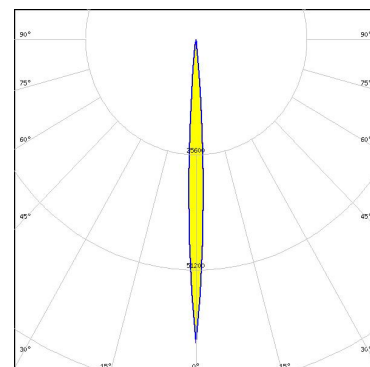
LED LUXEON Rubix  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 96 %  
Peak intensity 63.9 cd/m  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files



LED LUXEON Rubix  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 96 %  
Peak intensity 67.4 cd/m  
LEDs/each optic 1  
Light colour/type Red  
Required components:

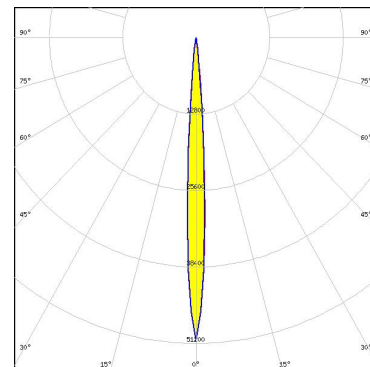


Light distribution files

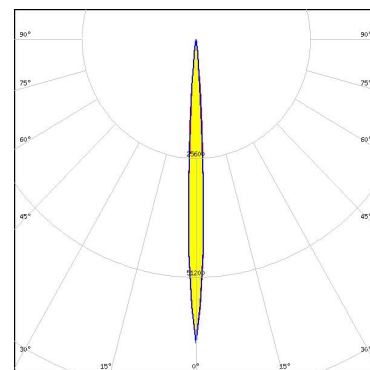
### OPTICAL RESULTS (SIMULATED):



LED LUXEON SunPlus 20 Line (120 deg)  
 FWHM / FWTM 6.0° / 13.0°  
 Efficiency 96 %  
 Peak intensity 50.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



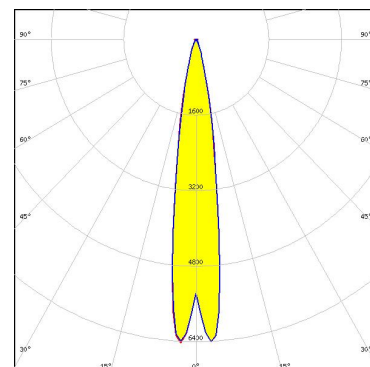
LED LUXEON Z  
 FWHM / FWTM 5.9° / 12.0°  
 Efficiency 94 %  
 Peak intensity 65.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NCSxE17A  
 FWHM / FWTM 6.0° / 16.0°  
 Efficiency 93 %  
 Peak intensity 35.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

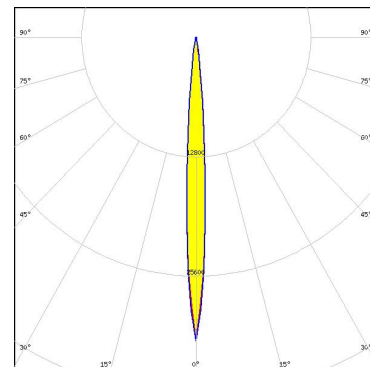


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED NCSxE17A  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 92 %  
Peak intensity 32.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



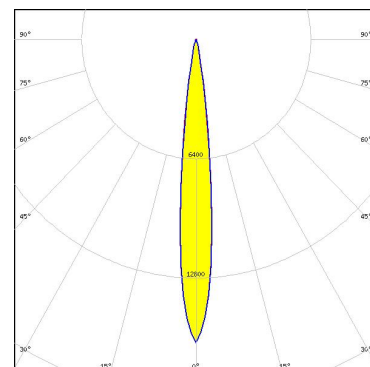
Light distribution files



LED NF2x757G  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 95 %  
Peak intensity 23.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED NVSW3x9A  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 95 %  
Peak intensity 16.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

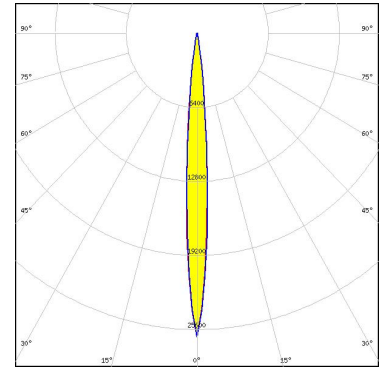


Light distribution files

### OPTICAL RESULTS (SIMULATED):



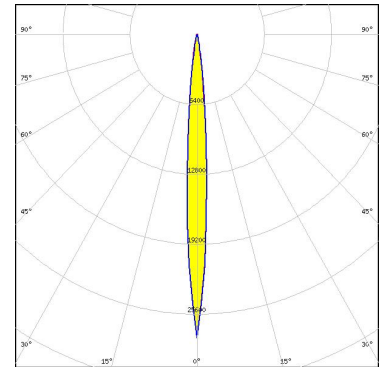
LED NVSxE21A  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 93 %  
Peak intensity 26.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



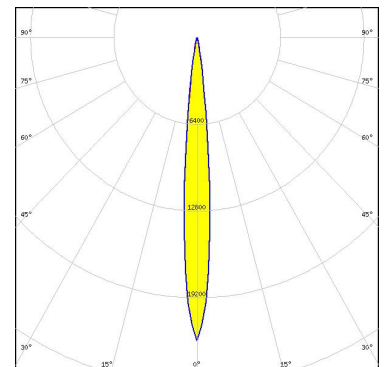
LED NVSxE21A  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 94 %  
Peak intensity 27.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 95 %  
Peak intensity 22.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

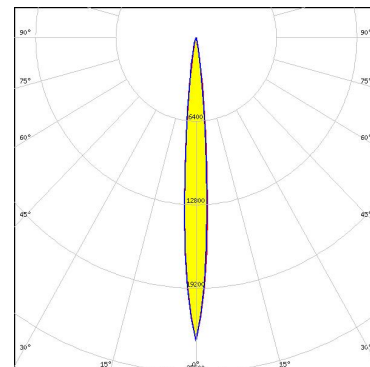


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

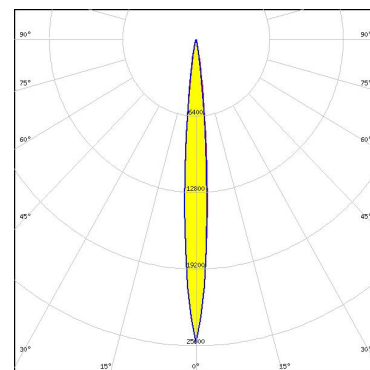
LED Duris S5 (Single chip)  
FWHM / FWTM 9.0° / 18.0°  
Efficiency 89 %  
Peak intensity 23.2 cd/lm  
LEDs/each optic 1  
Light colour/type Purple  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

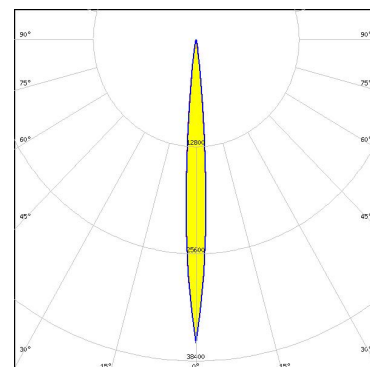
LED Duris S5 (Single chip)  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 96 %  
Peak intensity 25.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSCONIQ C 2424  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 96 %  
Peak intensity 36.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



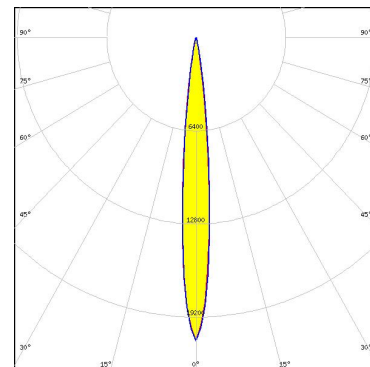
Light distribution files



### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

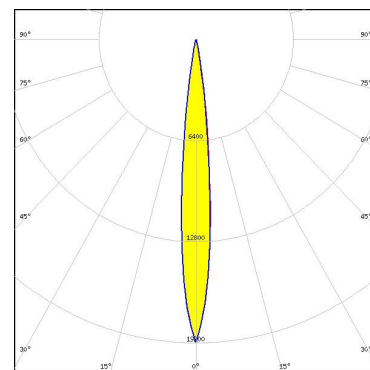
LED OSCONIQ P 3030  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 96 %  
Peak intensity 20.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

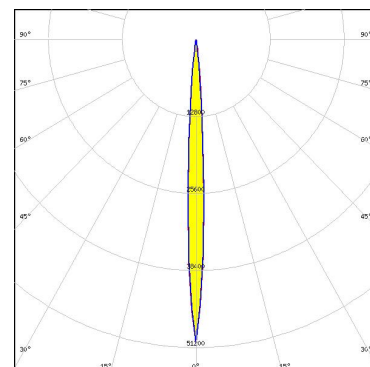
LED OSLON Black  
FWHM / FWTM 11.0° / 20.0°  
Efficiency 94 %  
Peak intensity 19.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)  
FWHM / FWTM 6.3° / 14.0°  
Efficiency 94 %  
Peak intensity 50.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

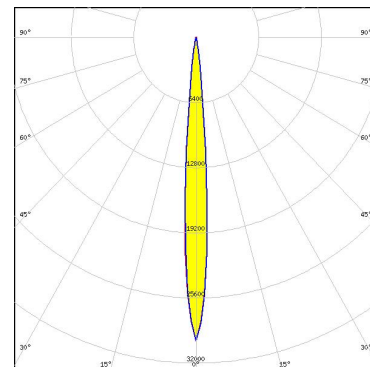


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

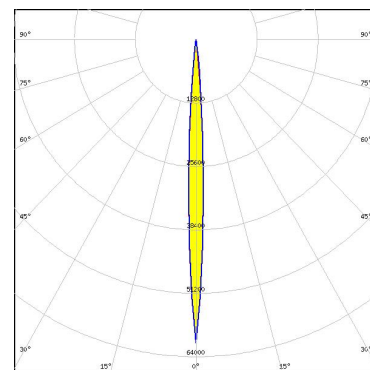
LED OSLO PURE 1010  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 93 %  
Peak intensity 29.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

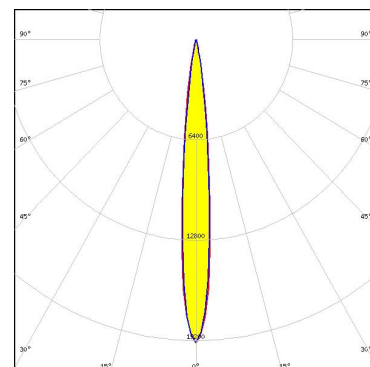
**OSRAM**  
Opto Semiconductors

LED OSLO Pure 1414  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 96 %  
Peak intensity 61.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



**OSRAM**  
Opto Semiconductors

LED OSLO Square CSSRM2/CSSRM3  
FWHM / FWTM 11.0° / 21.0°  
Efficiency 94 %  
Peak intensity 19.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

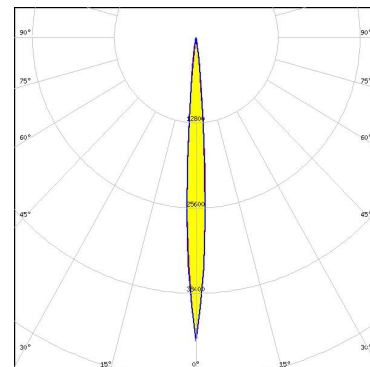


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

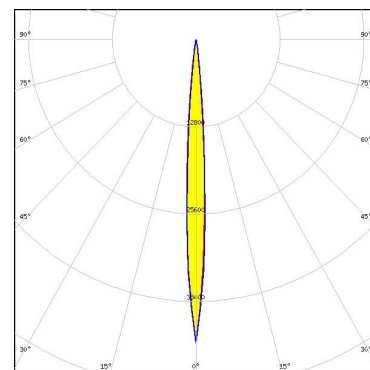
LED OSLON SSL 120  
FWHM / FWTM 7.0° / 14.0°  
Efficiency 96 %  
Peak intensity 45.5 cd/lm  
LEDs/each optic 1  
Light colour/type Amber  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

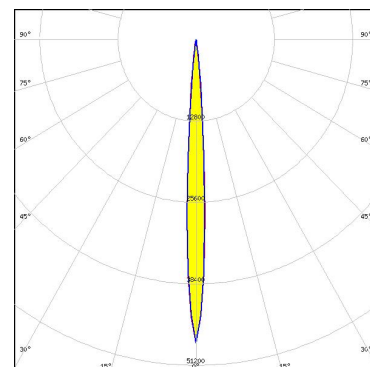
LED OSLON SSL 150  
FWHM / FWTM 7.0° / 14.0°  
Efficiency 96 %  
Peak intensity 44.5 cd/lm  
LEDs/each optic 1  
Light colour/type Amber  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 96 %  
Peak intensity 47.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

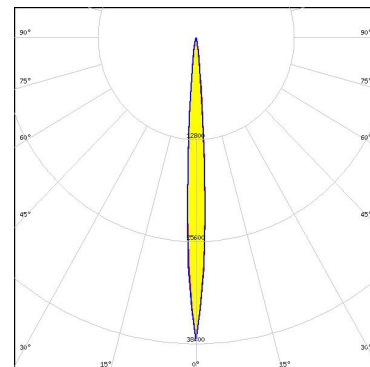


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

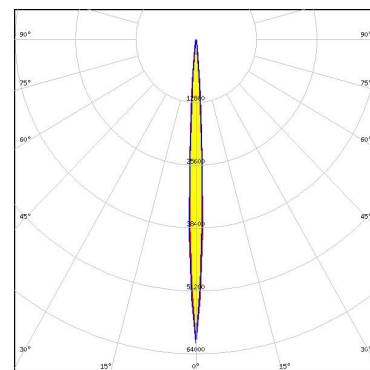
LED OSLON SSL 80  
FWHM / FWTM 7.0° / 14.0°  
Efficiency 94 %  
Peak intensity 38 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

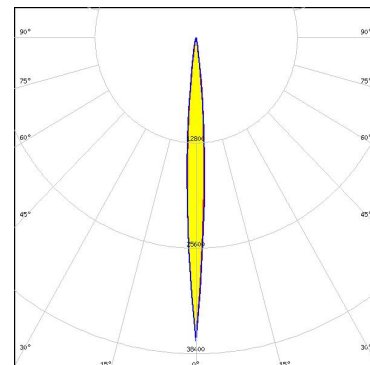
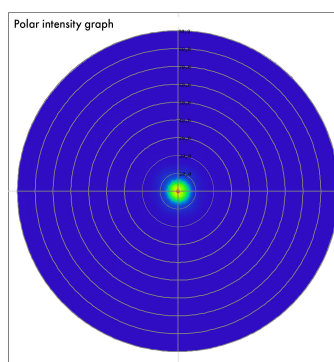
LED SFH 4170S  
FWHM / FWTM 6.0° / 11.0°  
Efficiency 87 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4715AS  
FWHM / FWTM 6.0° / 16.0°  
Efficiency 96 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:

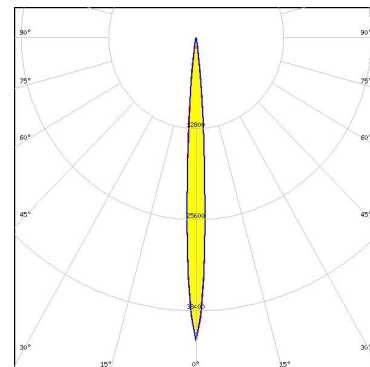


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

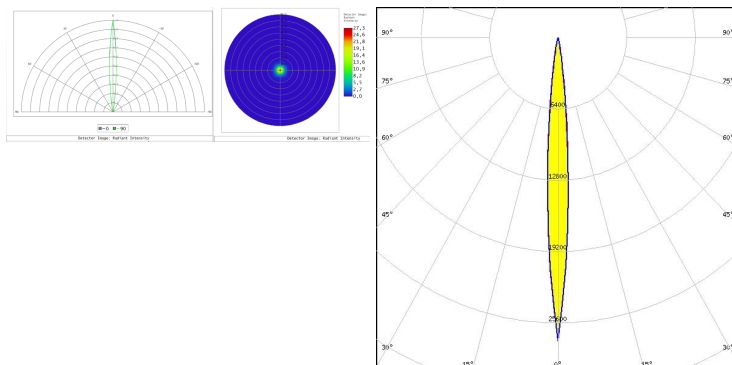
LED SFH 4716AS  
FWHM / FWTM 8.0° / 14.0°  
Efficiency 96 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

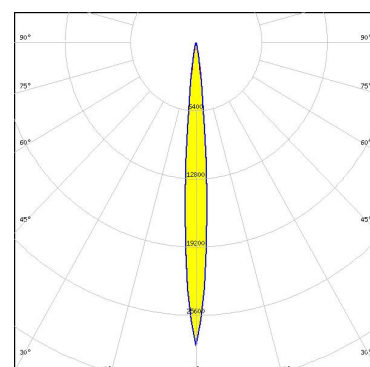
LED SFH 4725AS  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 95 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**SAMSUNG**

LED LM301B  
FWHM / FWTM 9.0° / 18.0°  
Efficiency 94 %  
Peak intensity 28.5 cd/m²  
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.

### 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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

#### Shipping locations

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

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