

## G2-LXP2-RS2-P

~8.5° spot beam with light, black holder. Assembly with location pins and installation tape.

### SPECIFICATION:

Dimensions	Ø 21.8 mm
Height	14.7 mm
Fastening	pin, tape
ROHS compliant	yes ⓘ

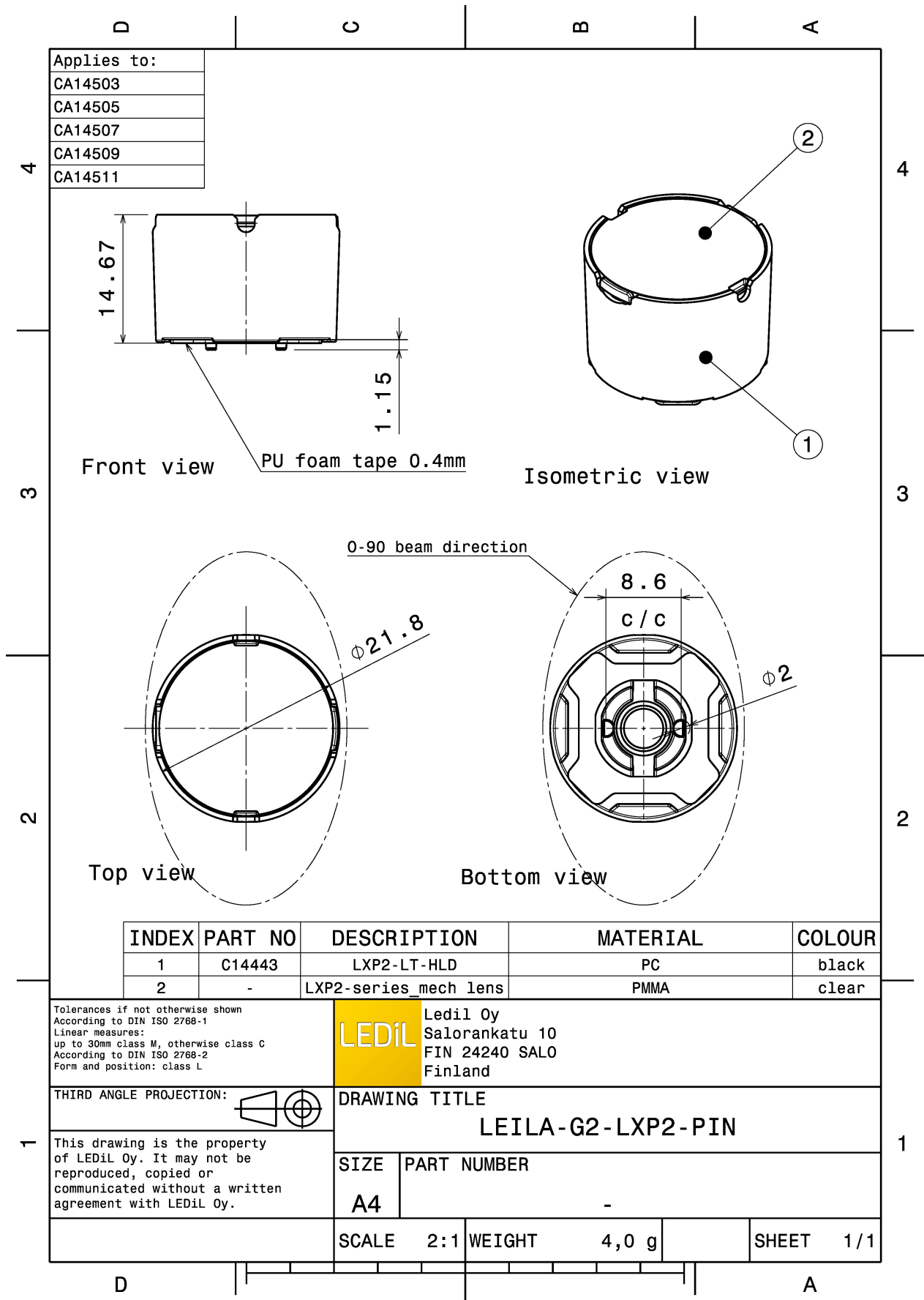


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LXP2-RS2	Single lens	PMMA			
LXP2-LT-HLD	Holder	PC	black		
HEIDI-TAPE	Tape	Acrylic foam	black		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA14505_G2-LXP2-RS2-P » Box size: 480 x 280 x 300 mm	1680	336	112	8.1

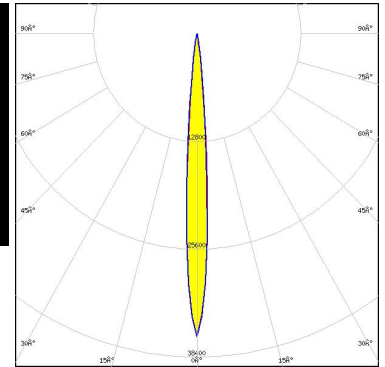
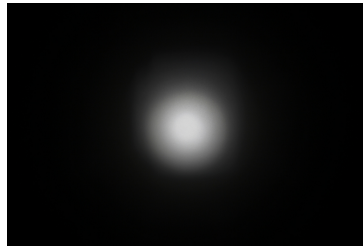


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



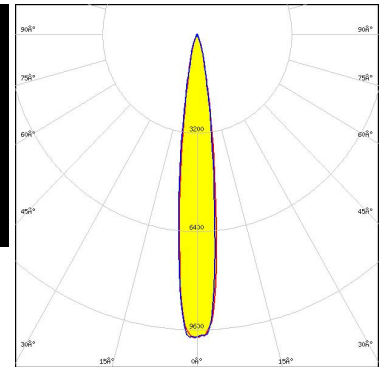
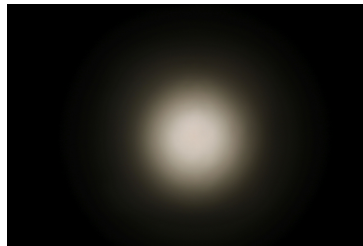
**LED** XP-E  
**FWHM / FWTM** 7.0° / 15.0°  
**Efficiency** 88 %  
**Peak intensity** 34.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



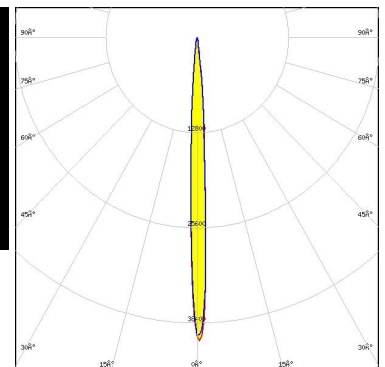
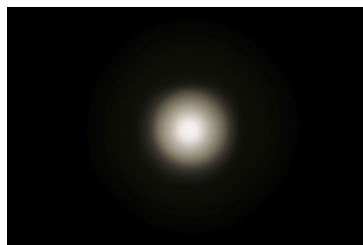
**LED** XP-L HD  
**FWHM / FWTM** 14.0° / 29.0°  
**Efficiency** 90 %  
**Peak intensity** 9.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XQ-E HD  
**FWHM / FWTM** 5.0° / 13.0°  
**Efficiency** 89 %  
**Peak intensity** 42 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

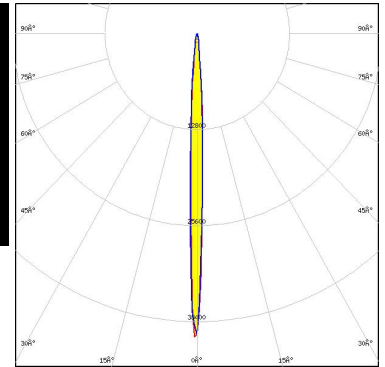
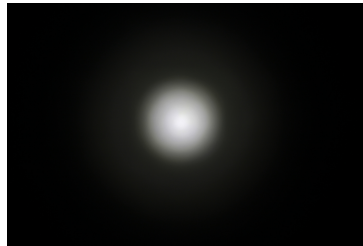


Light distribution files

#### OPTICAL RESULTS (MEASURED):



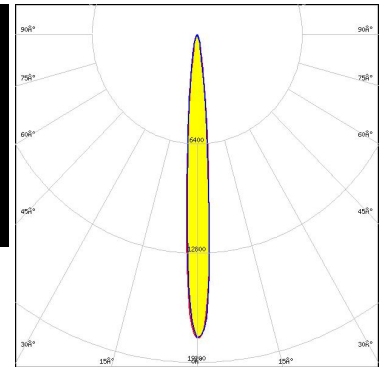
LED XQ-E HI  
 FWHM / FWTM 5.0° / 13.0°  
 Efficiency 88 %  
 Peak intensity 40.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



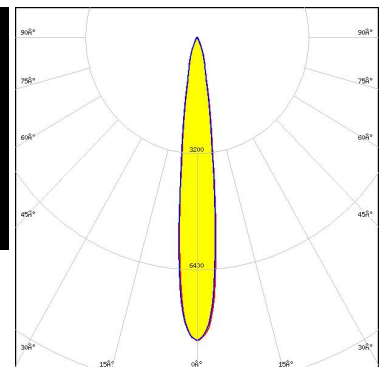
LED LUXEON Rebel ES  
 FWHM / FWTM 9.0° / 20.0°  
 Efficiency 90 %  
 Peak intensity 17.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON V  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 89 %  
 Peak intensity 8.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

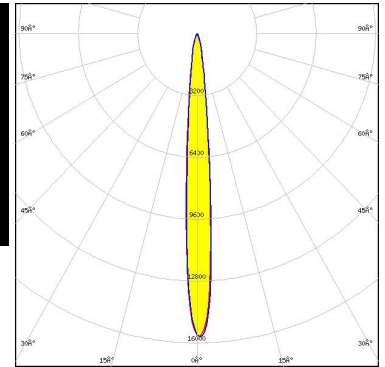
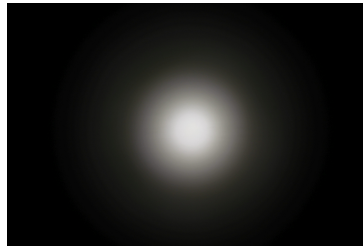


Light distribution files

#### OPTICAL RESULTS (MEASURED):



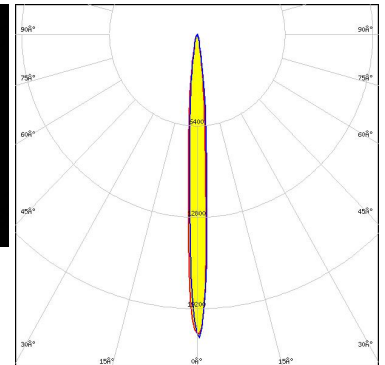
LED LUXEON V2  
FWHM / FWTM 9.0° / 22.0°  
Efficiency 90 %  
Peak intensity 15.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



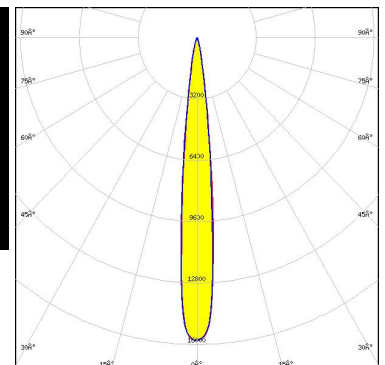
LED NCSxx19A  
FWHM / FWTM 6.8° / 18.0°  
Efficiency 89 %  
Peak intensity 21.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NVSW219D  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 93 %  
Peak intensity 16 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

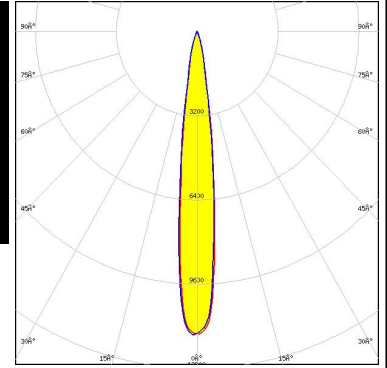
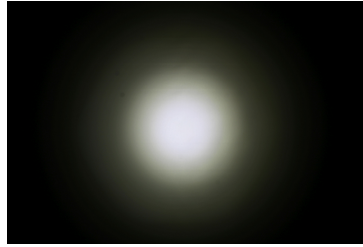


Light distribution files

#### OPTICAL RESULTS (MEASURED):



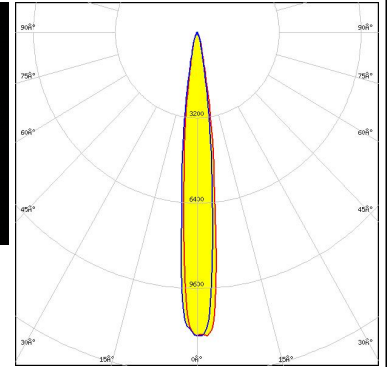
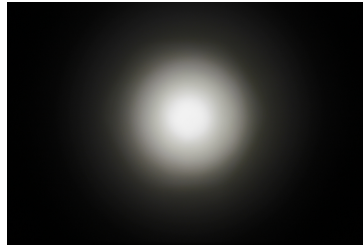
LED NVSW319B  
 FWHM / FWTM 13.0° / 27.0°  
 Efficiency 93 %  
 Peak intensity 11.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



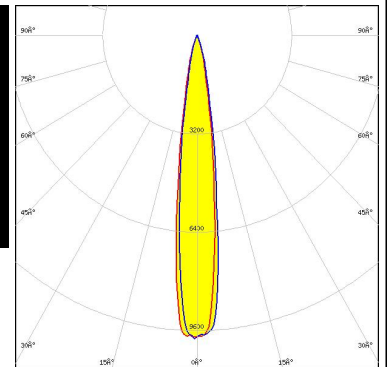
LED NVSW3x9A  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 89 %  
 Peak intensity 11.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW519A  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 92 %  
 Peak intensity 9.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

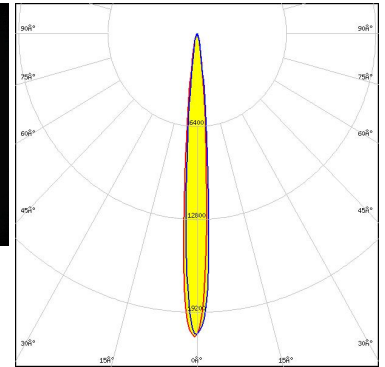
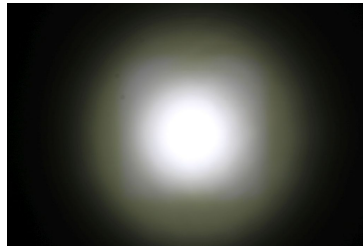


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

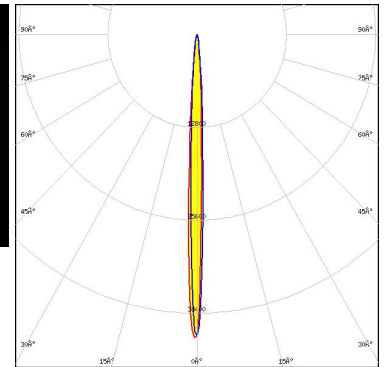
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 8.6° / 19.0°  
Efficiency 92 %  
Peak intensity 20.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

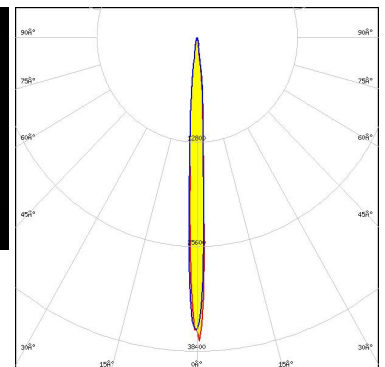
LED OSLON SSL 150  
FWHM / FWTM 5.0° / 13.0°  
Efficiency 90 %  
Peak intensity 41.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM / FWTM 5.0° / 14.0°  
Efficiency 91 %  
Peak intensity 37.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

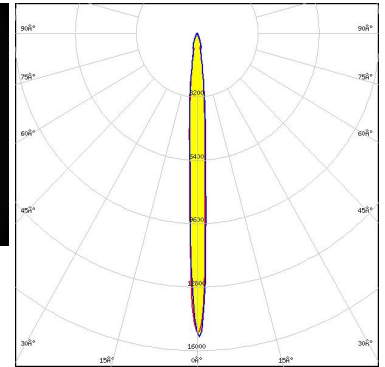
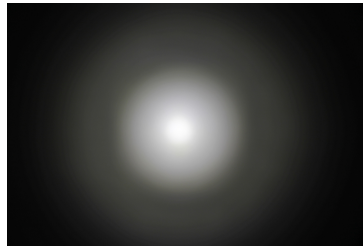


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

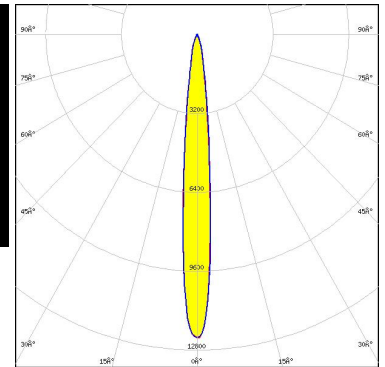
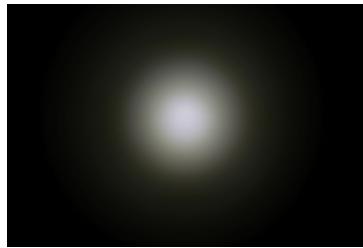
LED LH181A  
 FWHM / FWTM 6.0° / 19.0°  
 Efficiency 80 %  
 Peak intensity 15.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



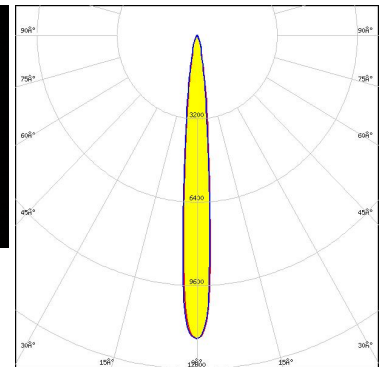
LED Z5M3  
 FWHM / FWTM 10.0° / 25.0°  
 Efficiency 88 %  
 Peak intensity 12.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z8Y22P  
 FWHM / FWTM 10.0° / 24.0°  
 Efficiency 84 %  
 Peak intensity 11.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



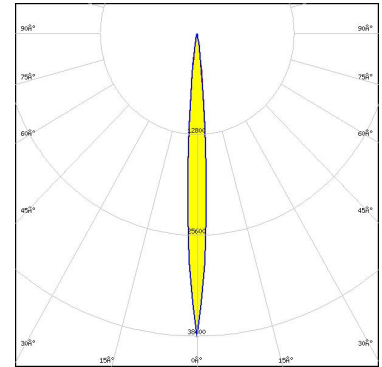
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



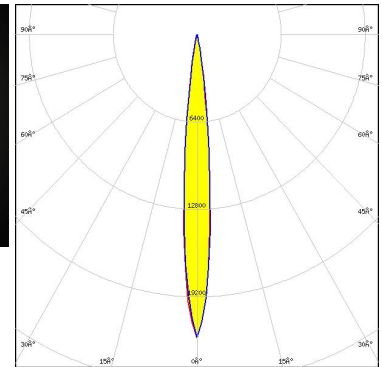
LED XP-E2  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 93 %  
Peak intensity 38.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



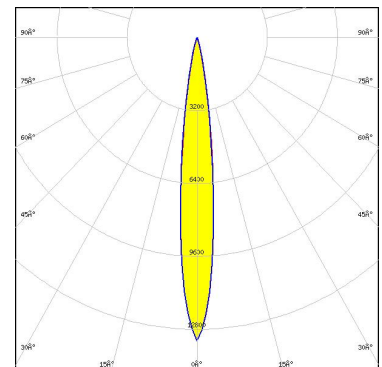
LED XP-G2  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 94 %  
Peak intensity 22.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G2 HE  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 91 %  
Peak intensity 13.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

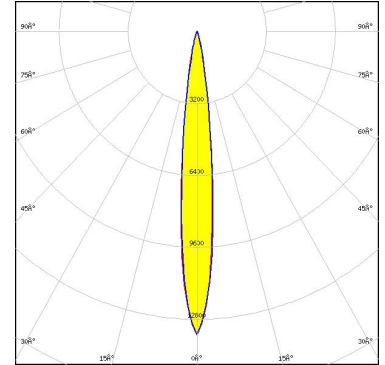


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



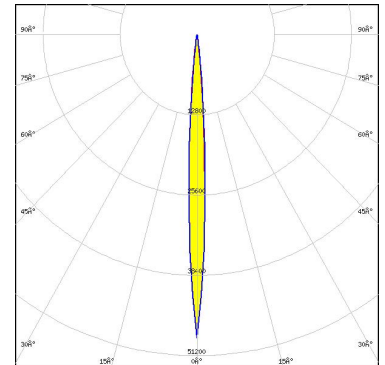
LED XP-G3  
FWHM / FWTM 12.0° / 25.0°  
Efficiency 91 %  
Peak intensity 13.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



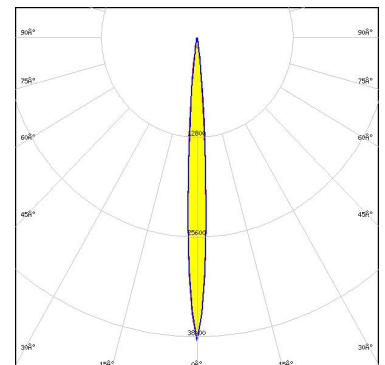
LED XP-P  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 93 %  
Peak intensity 48.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XQ-E HD  
FWHM / FWTM 7.1° / 15.0°  
Efficiency 92 %  
Peak intensity 38.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

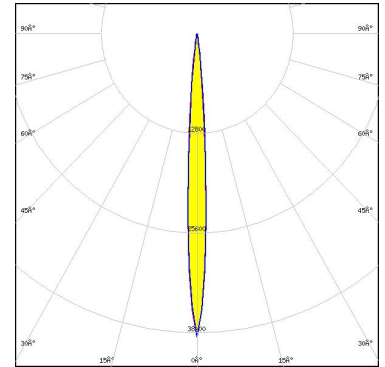


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



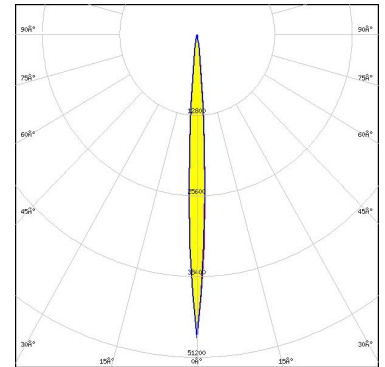
LED XQ-E HD  
 FWHM / FWTM 6.7° / 14.0°  
 Efficiency 91 %  
 Peak intensity 41.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



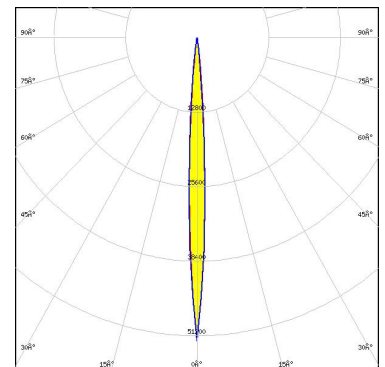
LED LUXEON CZ  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 92 %  
 Peak intensity 48.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CZ  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 92 %  
 Peak intensity 52.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type Red  
 Required components:

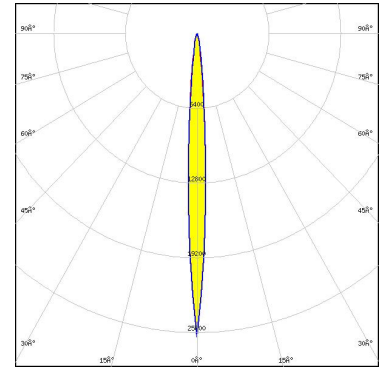


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



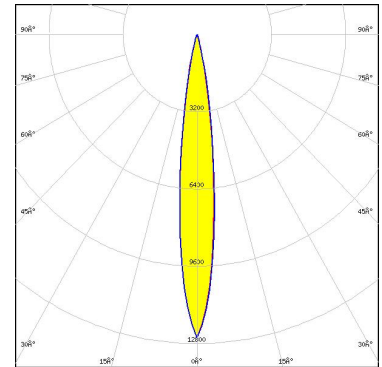
LED LUXEON HL1Z  
FWHM / FWTM 6.0° / 18.0°  
Efficiency 88 %  
Peak intensity 26 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



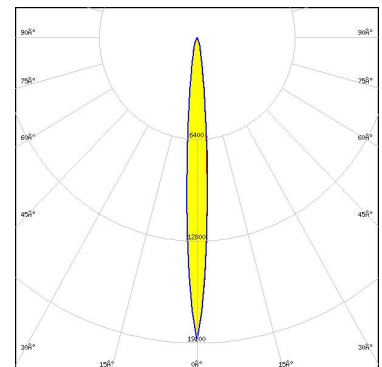
LED LUXEON HL2X  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 93 %  
Peak intensity 12.6 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON HL2Z  
FWHM / FWTM 8.0° / 20.0°  
Efficiency 90 %  
Peak intensity 19.1 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:

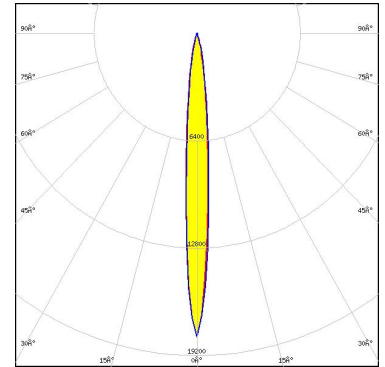


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



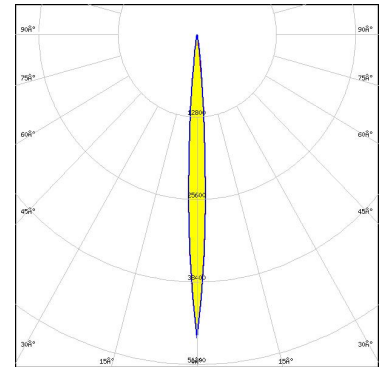
LED LUXEON IR Domed 60 (L110-0xxx060000000)  
FWHM / FWTM 9.0° / 23.0°  
Efficiency 93 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files



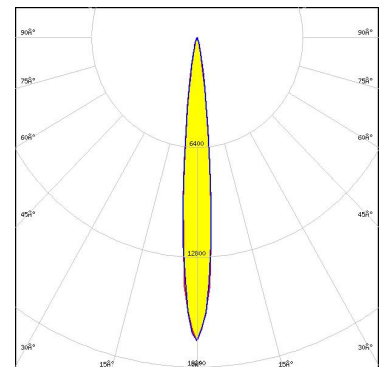
LED LUXEON Rubix  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 93 %  
Peak intensity 47.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON T  
FWHM / FWTM 11.0° / 22.0°  
Efficiency 93 %  
Peak intensity 17.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

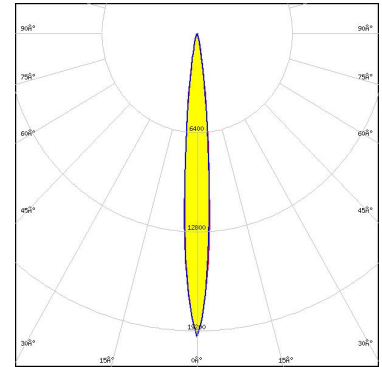


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



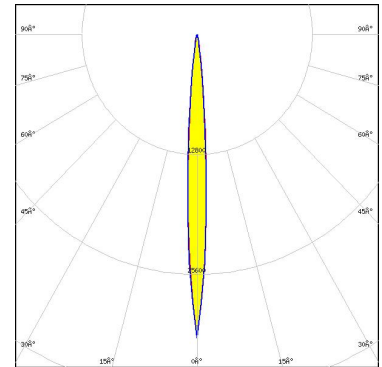
LED LUXEON TX  
FWHM / FWTM 9.7° / 21.0°  
Efficiency 91 %  
Peak intensity 19.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



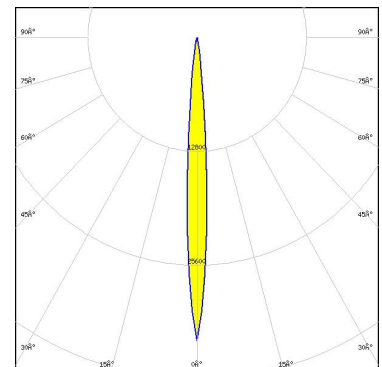
LED LUXEON Z ES  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 92 %  
Peak intensity 32.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

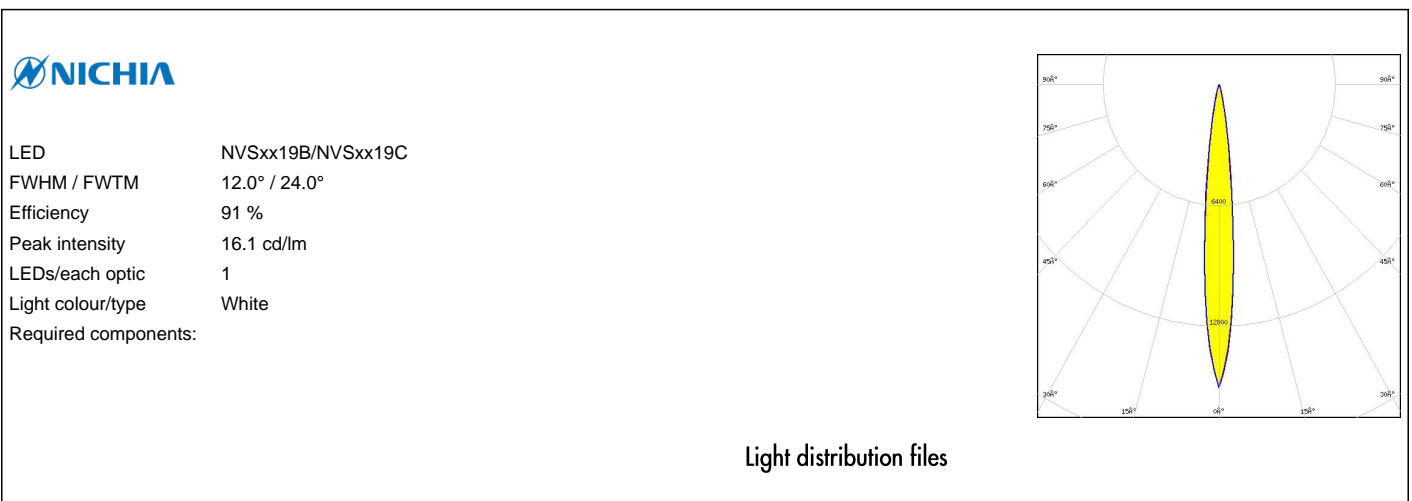
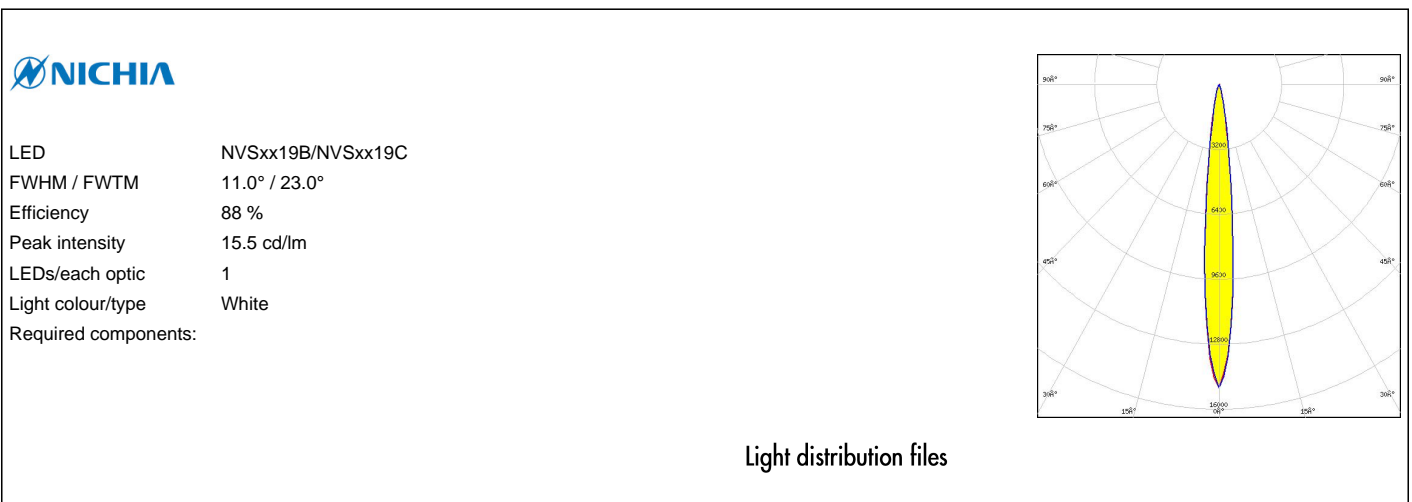


LED SST-12  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 92 %  
Peak intensity 34.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

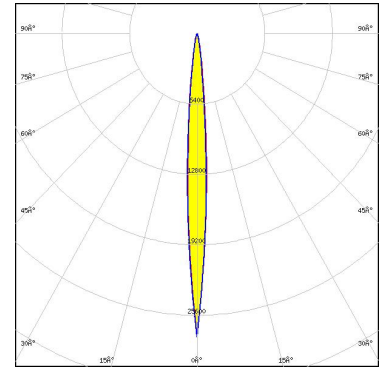
#### OPTICAL RESULTS (SIMULATED):



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

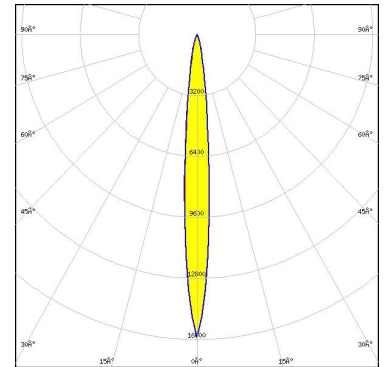
LED OSCONIQ P 3030  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 92 %  
Peak intensity 27.6 cd/lm  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

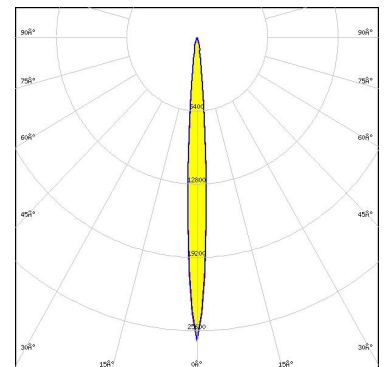
LED OSCONIQ P 3737 Flat  
FWHM / FWTM 10.0° / 24.0°  
Efficiency 93 %  
Peak intensity 15.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLOM Black Flat (LUW HWQP)  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 90 %  
Peak intensity 26.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



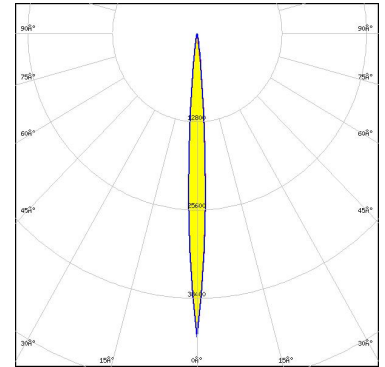
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

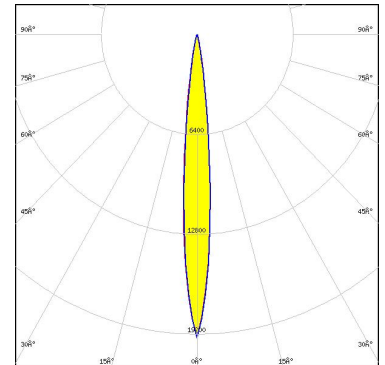
LED OSLON Pure 1414  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 93 %  
Peak intensity 44 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

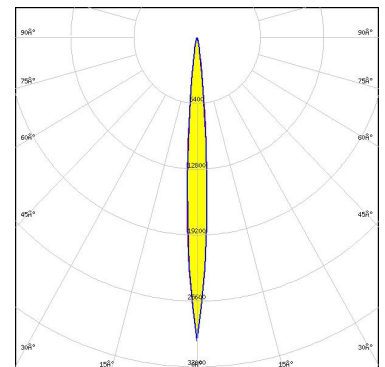
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 93 %  
Peak intensity 19.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square Flat  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 93 %  
Peak intensity 29.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

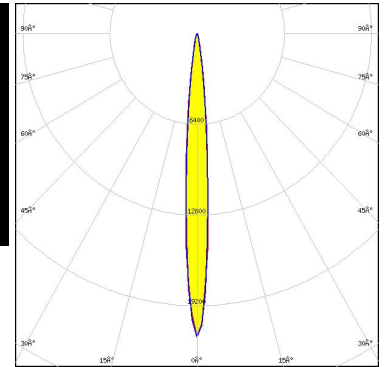
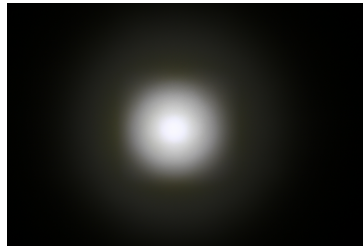


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

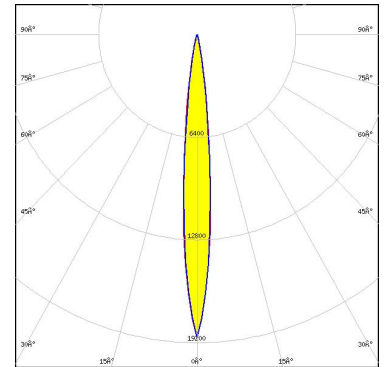
LED OSLON Square Flat  
 FWHM / FWTM 8.7° / 19.0°  
 Efficiency 91 %  
 Peak intensity 21.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

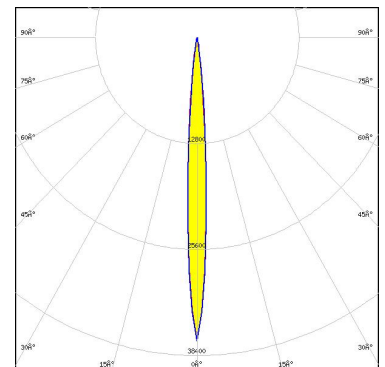
LED OSLON Square PC  
 FWHM / FWTM 11.0° / 22.0°  
 Efficiency 94 %  
 Peak intensity 18.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 93 %  
 Peak intensity 36.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

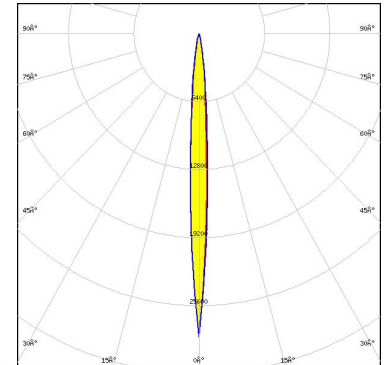
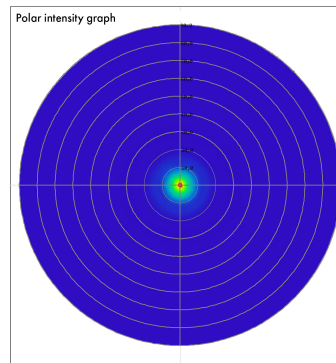


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

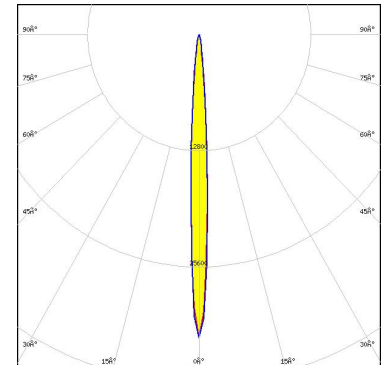
LED SFH 4715AS  
 FWHM / FWTM 6.0° / 18.0°  
 Efficiency 91 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

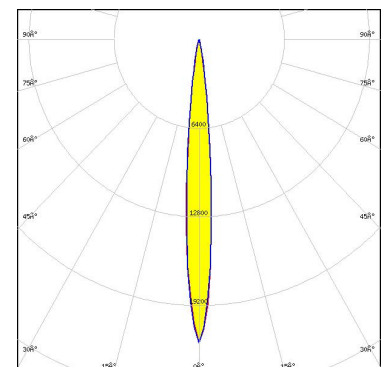
LED SFH 4716AS  
 FWHM / FWTM 6.5° / 15.0°  
 Efficiency 92 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:



Light distribution files

**SAMSUNG**

LED LH351A  
 FWHM / FWTM 9.0° / 20.0°  
 Efficiency 91 %  
 Peak intensity 21.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

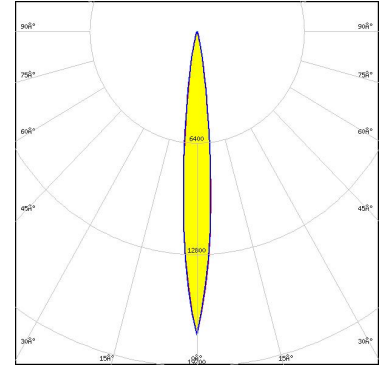


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

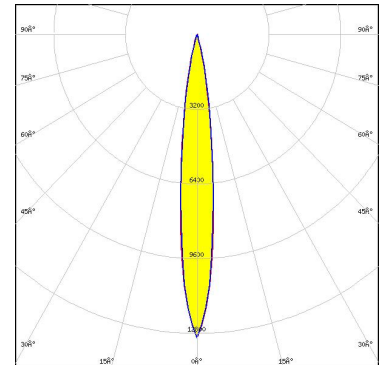
LED LH351B  
FWHM / FWTM 10.0° / 23.0°  
Efficiency 92 %  
Peak intensity 17.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### SAMSUNG

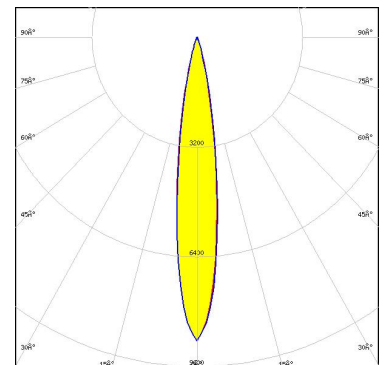
LED LH351C  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 93 %  
Peak intensity 13 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### SAMSUNG

LED LH351D  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 91 %  
Peak intensity 8.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

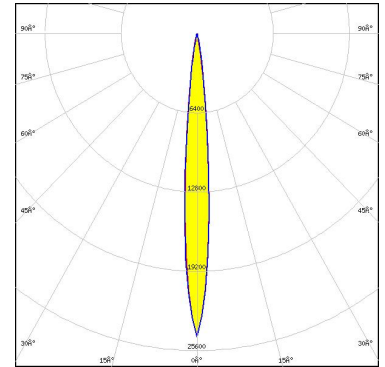


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

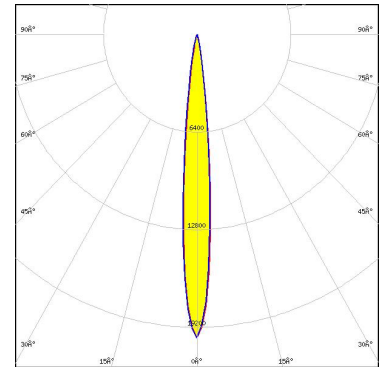
LED LH351Z  
FWHM / FWTM 9.0° / 19.0°  
Efficiency 93 %  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



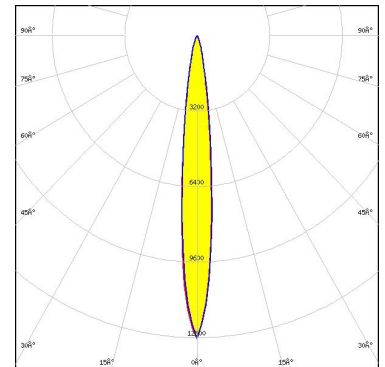
LED Z5M1/Z5M2  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 93 %  
Peak intensity 19.9 cd/m²  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files




LED Z5M4  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 94 %  
Peak intensity 12.9 cd/m²  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### OPTICAL RESULTS (SIMULATED):

 SEUL SEMICONDUCTOR	
LED	Z5P
FWHM / FWTM	8.0° / 17.0°
Efficiency	92 %
Peak intensity	26.1 cd/m
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)