

## LISA4-WWW

~60° spot beam with integrated pins on lens

### SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	7.7 mm
Fastening	pin
ROHS compliant	yes ⓘ

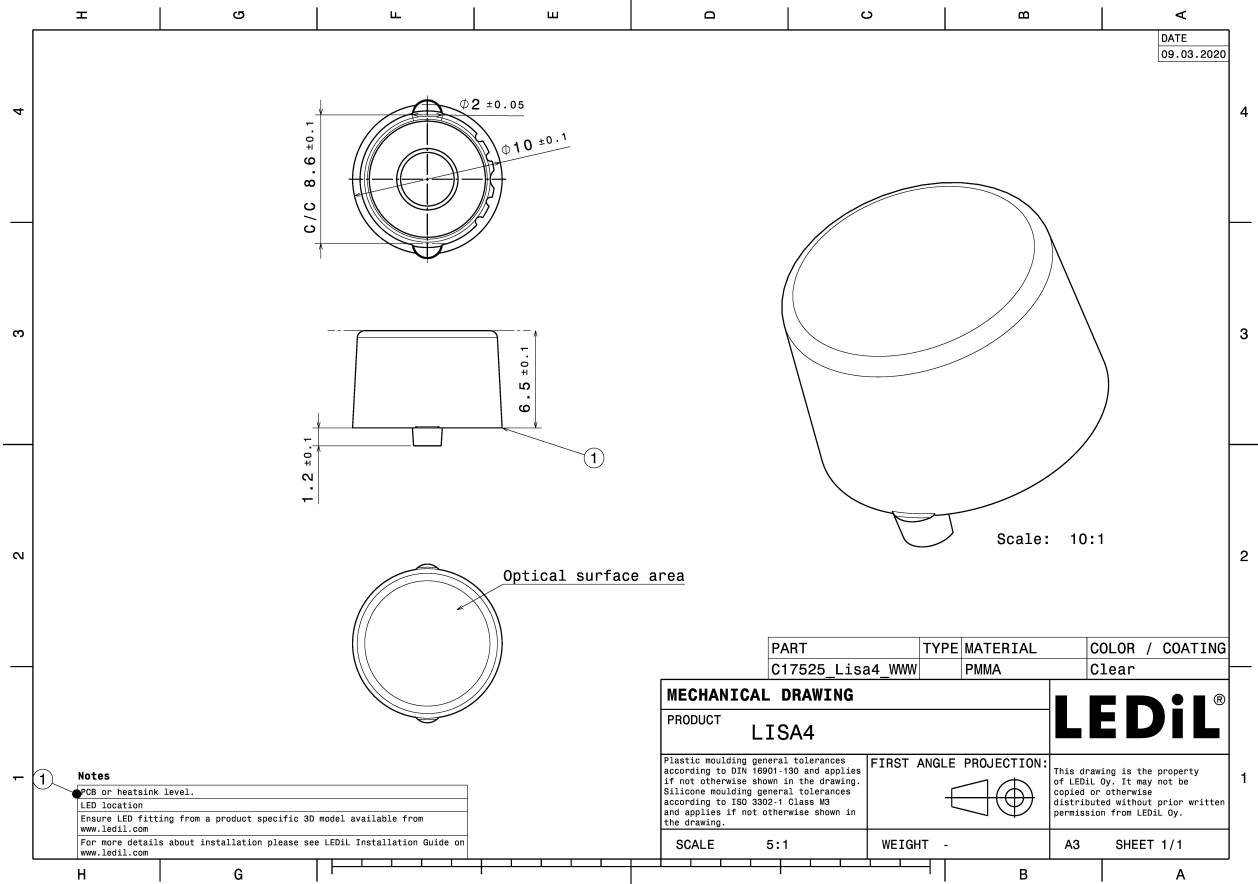
### MATERIALS:

Component	Type	Material	Colour	Finish	Length
LISA4-WWW	Single lens	PMMA	clear		10.0

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17525_LISA4-WWW » Box size: 430 x 390 x 215 mm	20000	1000	1000	7.5



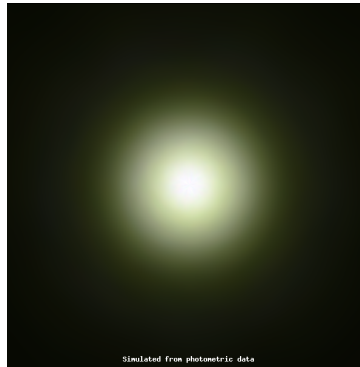


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (SIMULATED):



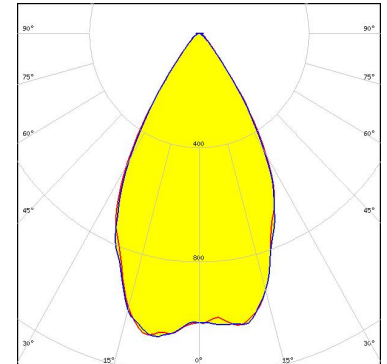
LED J Series 3030C  
FWHM / FWTM 47.0 + 46.0° / 75.0 + 74.0°  
Efficiency 97 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



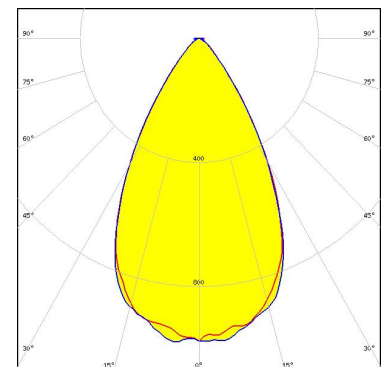
LED XP-E2  
FWHM / FWTM 57.0° / 82.0°  
Efficiency 96 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G2  
FWHM / FWTM 58.0° / 88.0°  
Efficiency 95 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

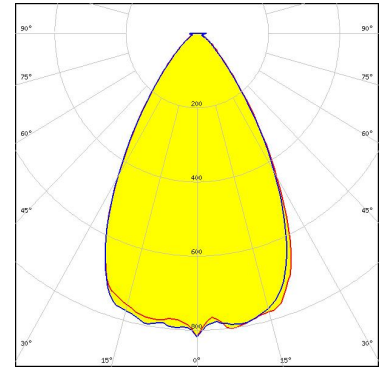


Light distribution files

### OPTICAL RESULTS (SIMULATED):



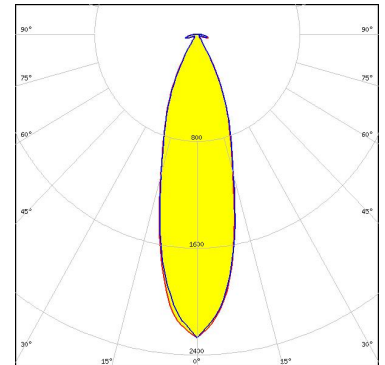
LED XP-G3  
FWHM / FWTM 62.0° / 96.0°  
Efficiency 94 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



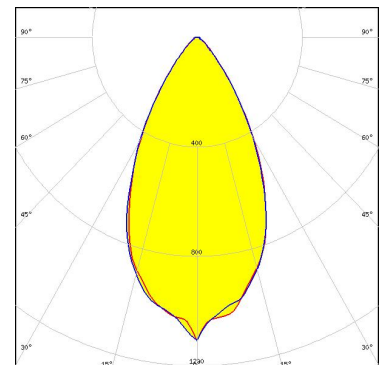
LED LUXEON HL1Z  
FWHM / FWTM 29.0° / 60.0°  
Efficiency 97 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



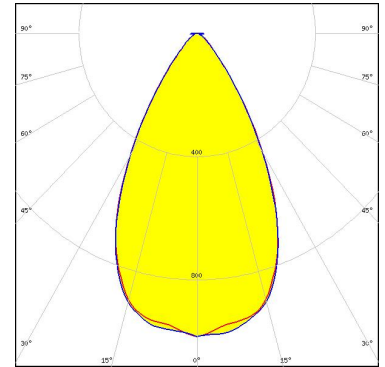
LED LUXEON HL2X  
FWHM / FWTM 53.0° / 86.0°  
Efficiency 93 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



### OPTICAL RESULTS (SIMULATED):



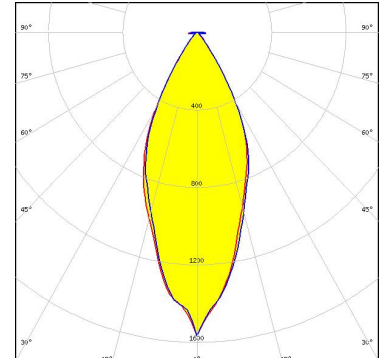
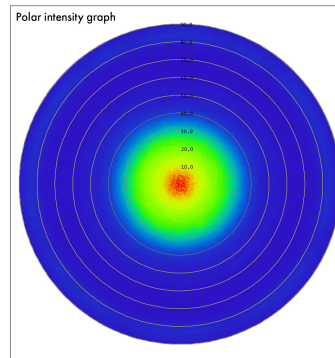
LED LUXEON TX  
 FWHM / FWTM 57.0° / 88.0°  
 Efficiency 95 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



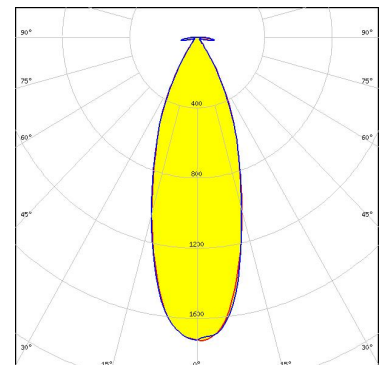
LED SST-10-IR-B90  
 FWHM / FWTM 42.0° / 72.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:



Light distribution files

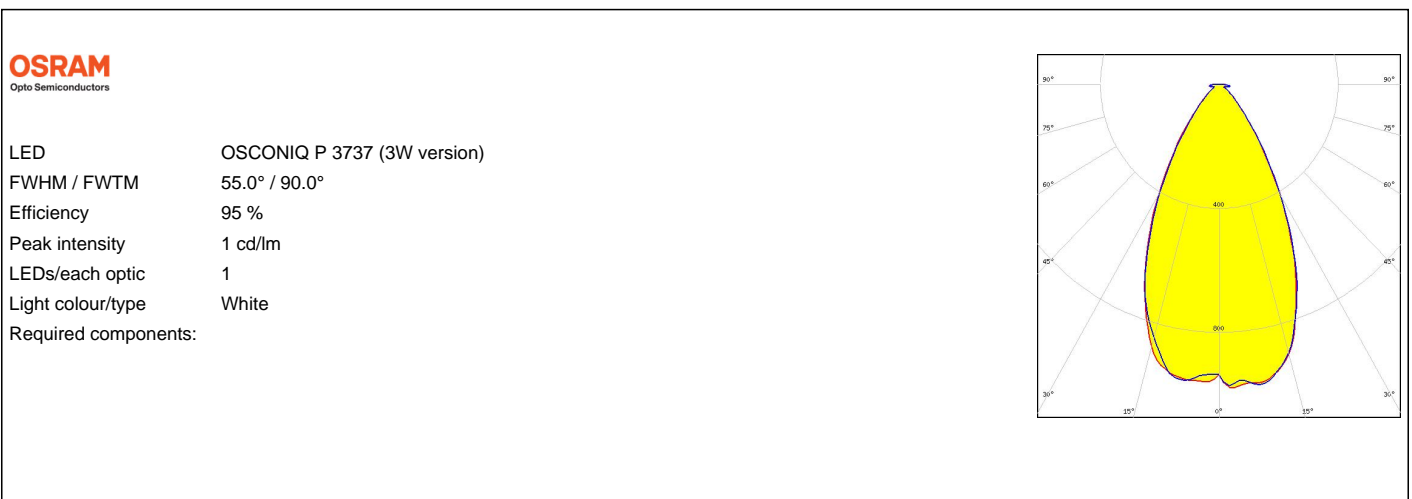
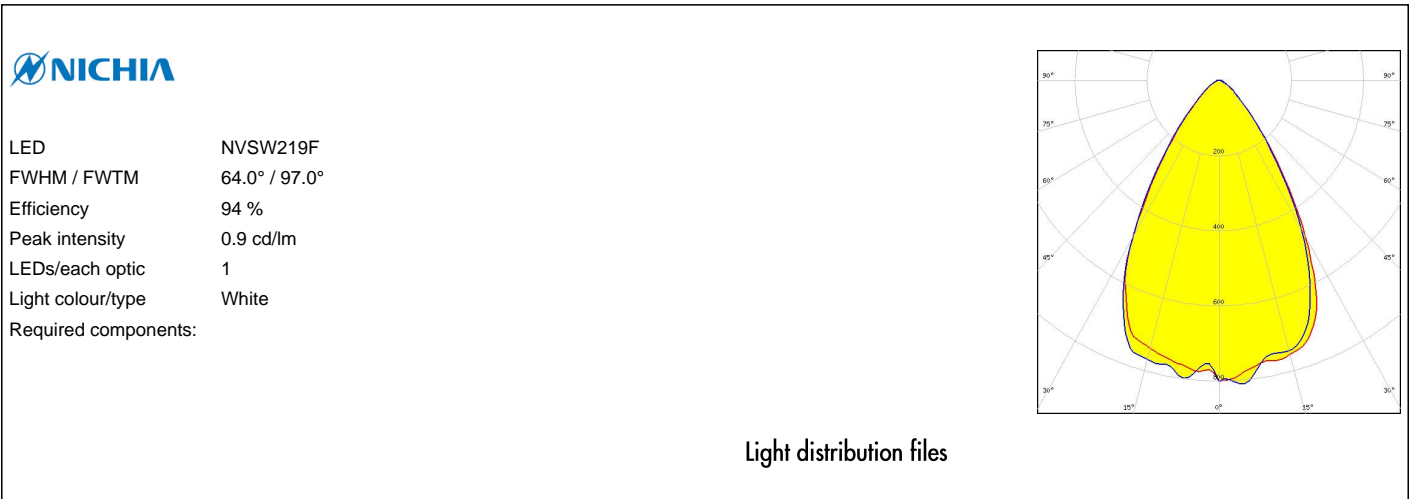


LED NCSxE17A  
 FWHM / FWTM 35.0° / 68.0°  
 Efficiency 95 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

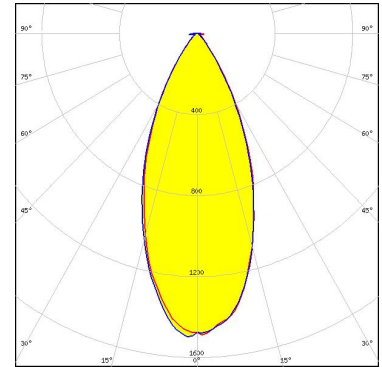
### OPTICAL RESULTS (SIMULATED):



#### OPTICAL RESULTS (SIMULATED):

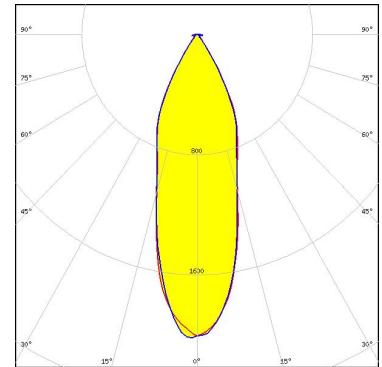
**OSRAM**  
Opto Semiconductors

LED OSCONIQ S 3030 (QSLMS2.EM)  
 FWHM / FWTM 44.0° / 76.0°  
 Efficiency 96 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



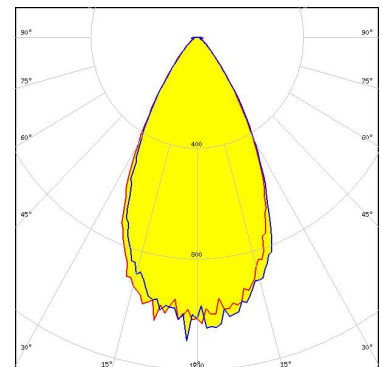
**OSRAM**  
Opto Semiconductors

LED OSLO Pure 1414  
 FWHM / FWTM 32.0° / 68.0°  
 Efficiency 97 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



**OSRAM**  
Opto Semiconductors

LED OSLO Square CSSRM2/CSSRM3  
 FWHM / FWTM 53.0° / 86.0°  
 Efficiency 95 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

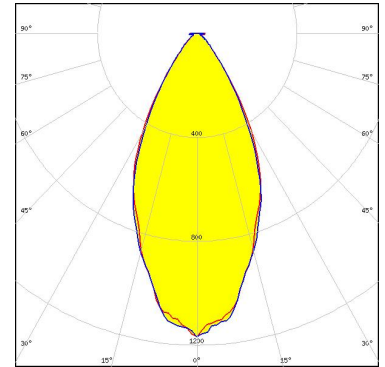


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

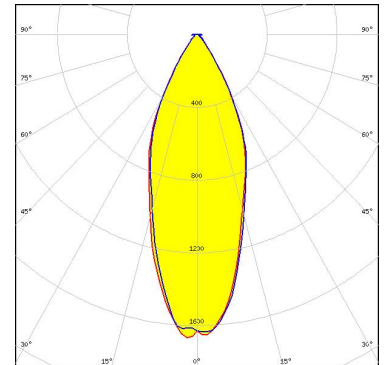
LED OSLON Square EC  
FWHM / FWTM 51.0° / 84.0°  
Efficiency 95 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

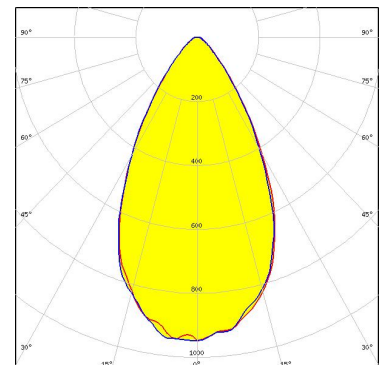
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM / FWTM 39.0° / 72.0°  
Efficiency 96 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



**SAMSUNG**

LED LH351B  
FWHM / FWTM 57.0° / 93.0°  
Efficiency 95 %  
Peak intensity 0.9 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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#### 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/  
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#### Shipping locations

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