

## TUIJA-3-SS

~12° smooth spot beam

### SPECIFICATION:

Dimensions	Ø 50.0
Height	14.5 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

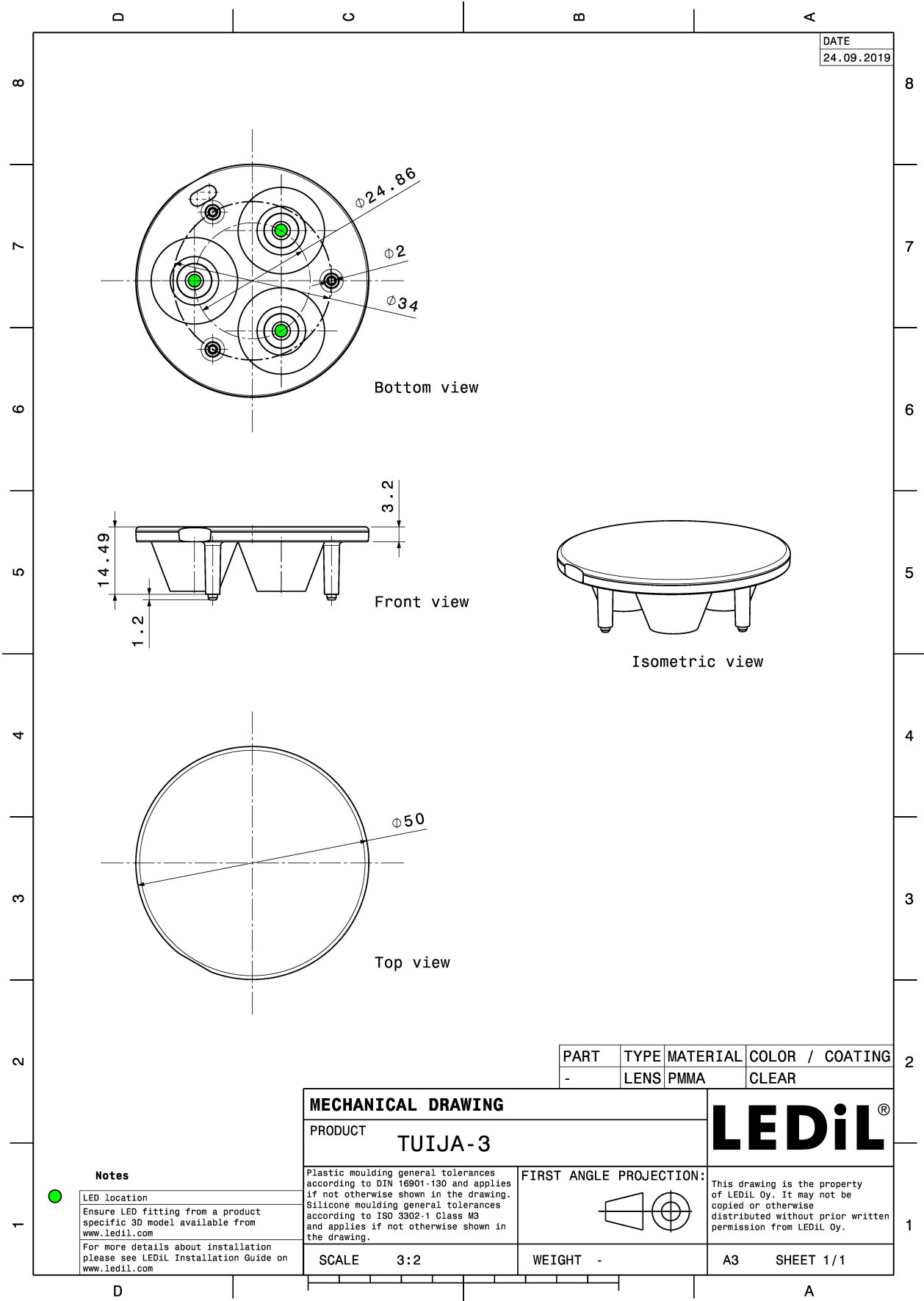


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TUIJA-3-SS	Multi-lens	PMMA	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C11192_TUIJA-3-SS » Box size: 480 x 280 x 300 mm	364	112	28	6.6

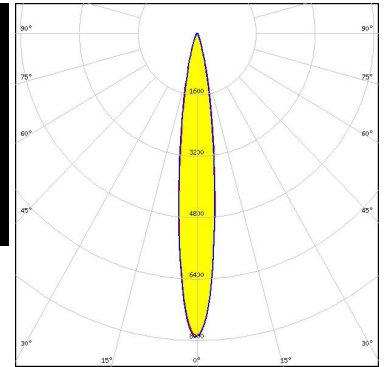


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



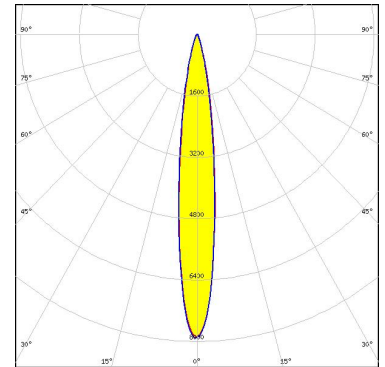
**LED** XB-D  
**FWHM / FWTM** 14.0° / 32.0°  
**Efficiency** 94 %  
**Peak intensity** 7.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XB-D  
**FWHM / FWTM** 14.0° / 32.0°  
**Efficiency** 94 %  
**Peak intensity** 7.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XP-E  
**FWHM / FWTM** 12.0° / 25.0°  
**Efficiency** 90 %  
**Peak intensity** 14.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

Light distribution files

### OPTICAL RESULTS (MEASURED):



LED XP-G  
FWHM / FWTM 14.0° / 29.0°  
Efficiency 90 %  
Peak intensity 9.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



[Light distribution files](#)



LED XT-E  
FWHM / FWTM 13.0° / 30.0°  
Efficiency 94 %  
Peak intensity 11 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



[Light distribution files](#)



LED LUXEON A  
FWHM / FWTM 12.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour/type White  
Required components:

[Light distribution files](#)

## OPTICAL RESULTS (MEASURED):



LED LUXEON Rebel  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 90 %  
Peak intensity 16.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

[Light distribution files](#)



LED LUXEON Rebel ES  
FWHM / FWTM 13.0° / 27.0°  
Efficiency 90 %  
Peak intensity 11.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

[Light distribution files](#)



LED NCSxx19A  
FWHM / FWTM 12.0°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour/type White  
Required components:

[Light distribution files](#)

#### OPTICAL RESULTS (MEASURED):



LED NVSxx19A  
FWHM / FWTM 10.5°  
Efficiency 90 %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



Osram Semiconductors

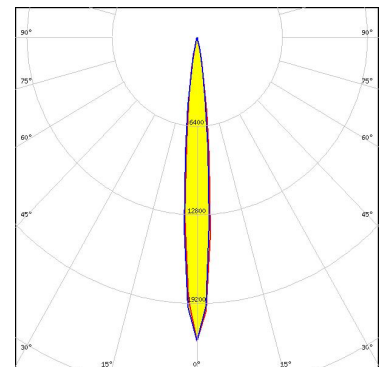
LED OSLOX SSL 80  
FWHM / FWTM 10.0° / 21.0°  
Efficiency 90 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



SEMI SEMICONDUCTOR

LED Z5  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 93 %  
Peak intensity 22 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

## OPTICAL RESULTS (MEASURED):

**SHARP**

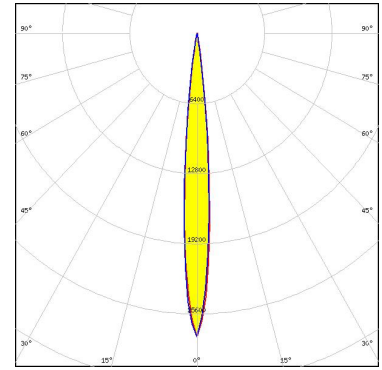
LED	Double Dome (GM2BB)
FWHM / FWTM	12.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

#### OPTICAL RESULTS (SIMULATED):



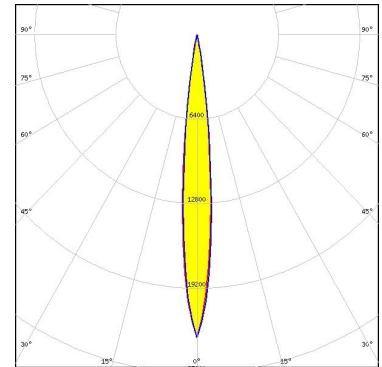
LED XD16  
 FWHM / FWTM 9.5° / 18.0°  
 Efficiency 94 %  
 Peak intensity 27.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



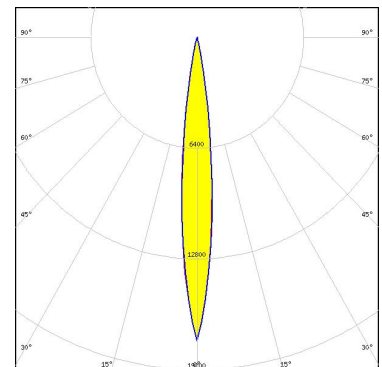
LED XP-G2  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 98 %  
 Peak intensity 23 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G3  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 98 %  
 Peak intensity 17.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



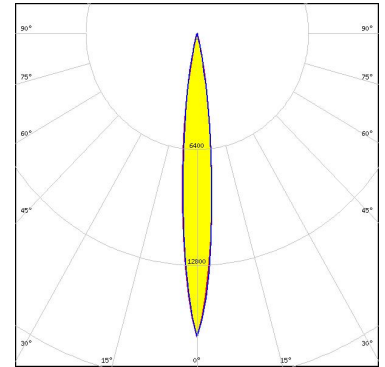
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



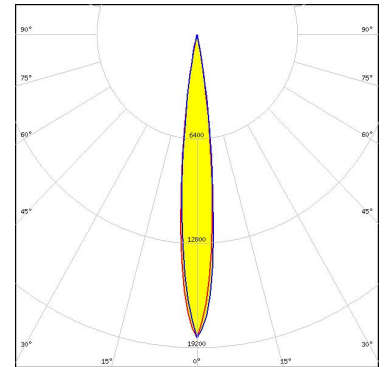
LED XP-L HD  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 97 %  
 Peak intensity 16.7 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



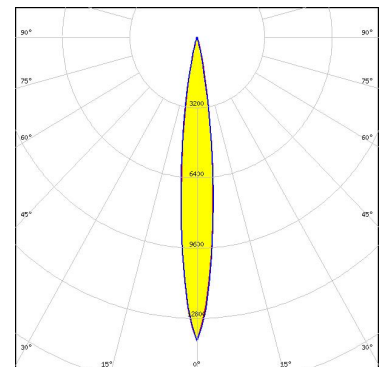
LED XP-L HI  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 97 %  
 Peak intensity 18.6 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-L2  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 97 %  
 Peak intensity 13.8 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

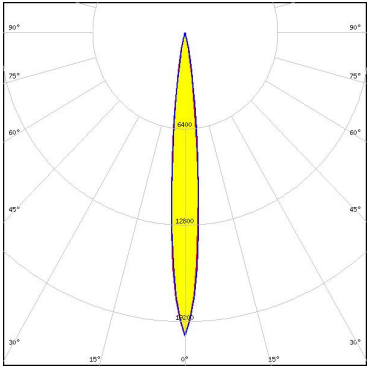


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**LUMILEDS**

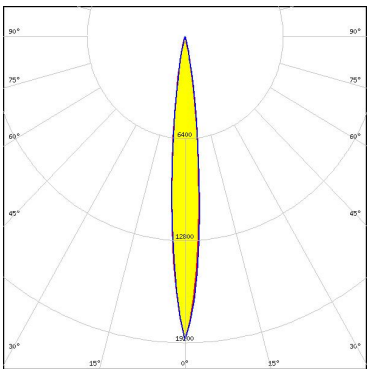
LED: LUXEON Rebel Plus  
 FWHM / FWTM: 10.0° / 21.0°  
 Efficiency: 96 %  
 Peak intensity: 20.1 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

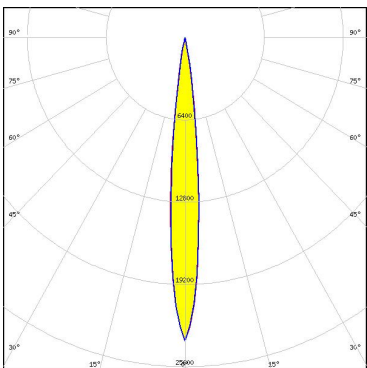
LED: OSCONIQ P 3737 (3W version)  
 FWHM / FWTM: 11.0° / 22.0°  
 Efficiency: 97 %  
 Peak intensity: 19 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED: OSOLON Square CSSRM2/CSSRM3  
 FWHM / FWTM: 11.0° / 20.0°  
 Efficiency: 94 %  
 Peak intensity: 23.6 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files

#### OPTICAL RESULTS (SIMULATED):

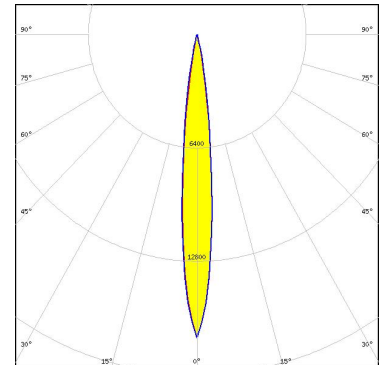
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 12.0°  
Efficiency %  
Peak intensity 17 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

**OSRAM**  
Opto Semiconductors

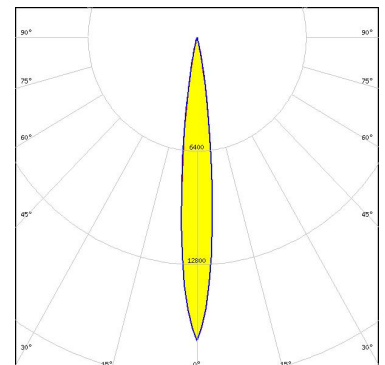
LED SFH 4715AS  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 94 %  
Peak intensity 17.1 cd/lm  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4716AS  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 94 %  
Peak intensity 17.1 cd/lm  
LEDs/each optic 1  
Light colour/type IR  
Required components:

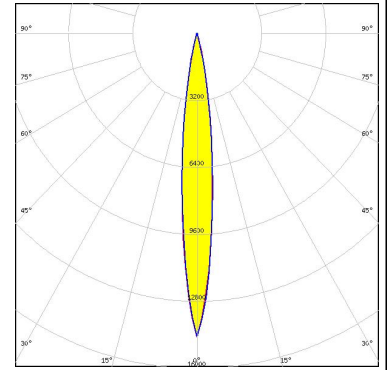


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED	LH351D
FWHM / FWTM	12.0° / 26.0°
Efficiency	96 %
Peak intensity	14.5 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.

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