

## TINA-RS

~13° spot beam. Assembly with holder, installation tape and location pins.

## SPECIFICATION:

Dimensions	Ø 16.1
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

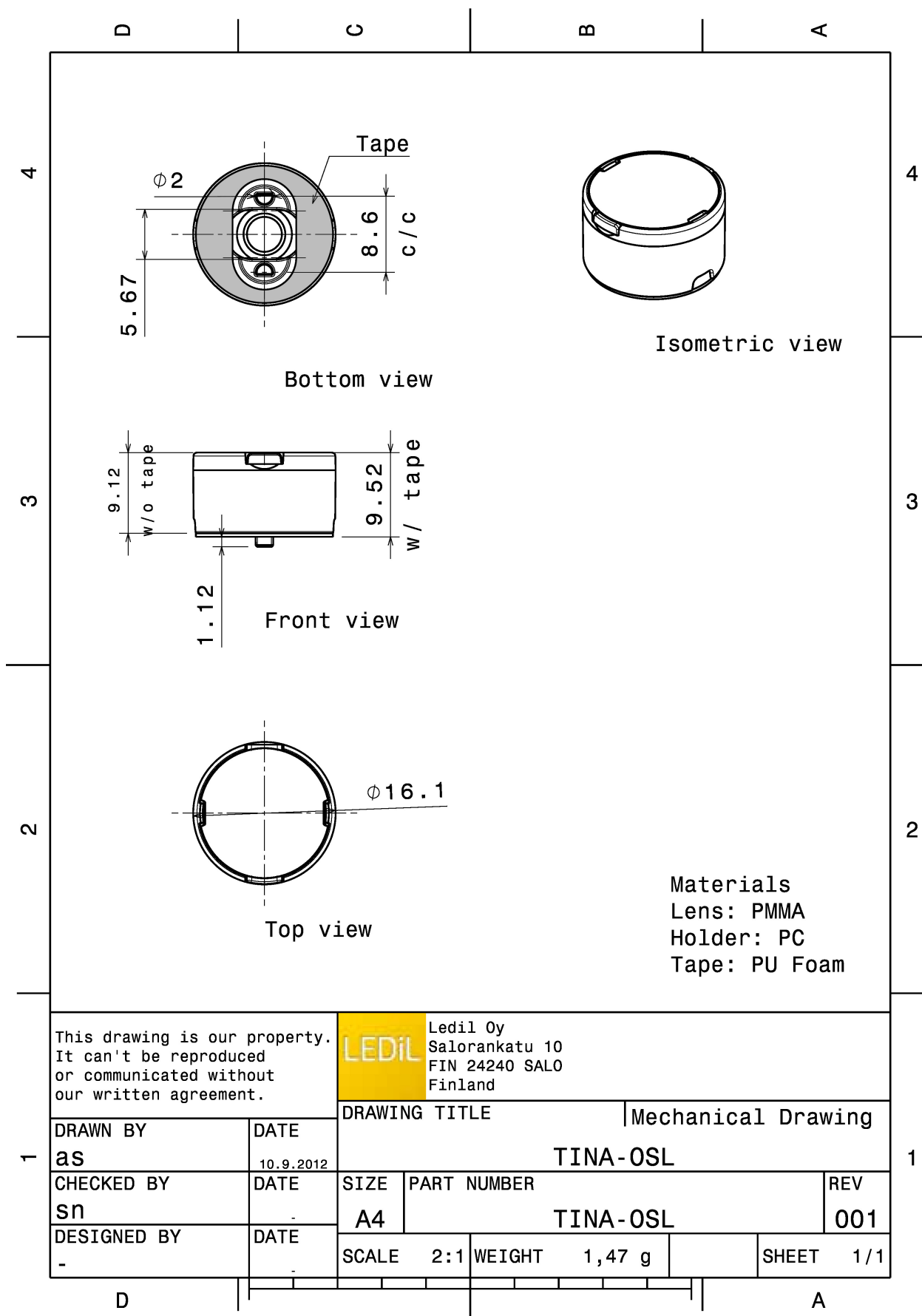


## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-XP-RS	Single lens	PMMA	clear		
TINA-HLD-PIN-BLK	Holder	PC	black		
TINA-TAPE3	Tape	Acryl tape	black		

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA11208_TINA-RS » Box size: 470 x 240 x 105 mm	2016	288	144	4.1

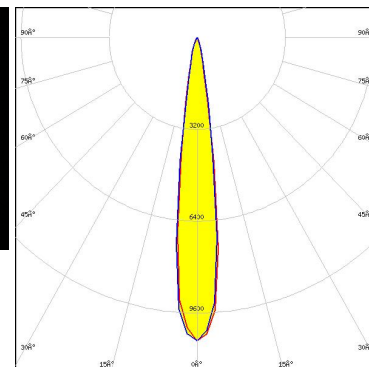


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



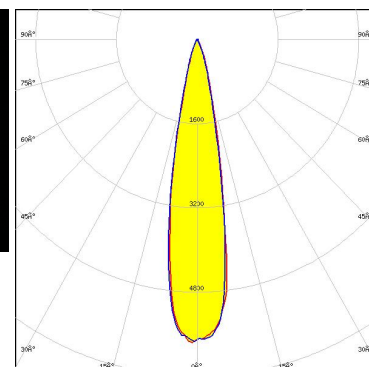
LED XB-H  
FWHM / FWTM 15.0° / 27.0°  
Efficiency 88 %  
Peak intensity 10.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



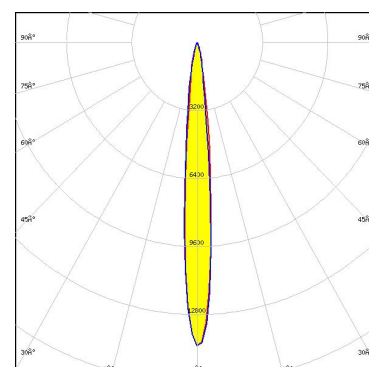
LED NVSW3x9A  
FWHM / FWTM 20.0° / 37.0°  
Efficiency 88 %  
Peak intensity 5.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSLOM SSL 80  
FWHM / FWTM 11.0° / 23.0°  
Efficiency 90 %  
Peak intensity 14.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

## OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED SFH 4715S  
FWHM / FWTM 15.0° / 26.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4725S  
FWHM / FWTM 10.0° / 24.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

**SAMSUNG**

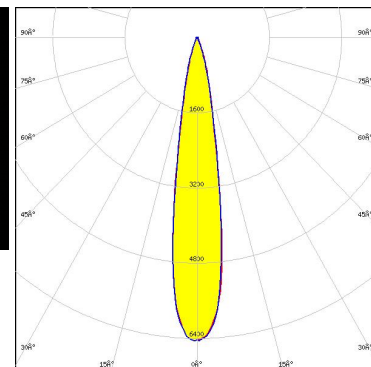
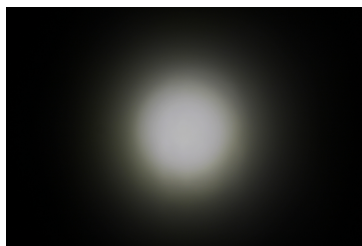
LED LH351A  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 93 %  
Peak intensity 7.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

## OPTICAL RESULTS (MEASURED):



LED Z8Y22P  
FWHM / FWTM 17.0° / 35.0°  
Efficiency 85 %  
Peak intensity 6.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

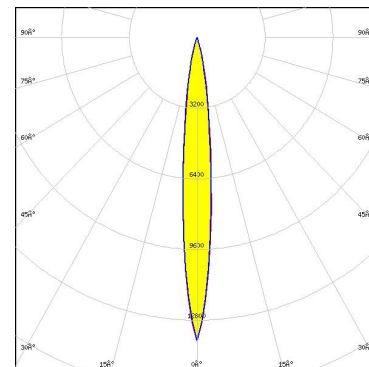


Light distribution files

### OPTICAL RESULTS (SIMULATED):



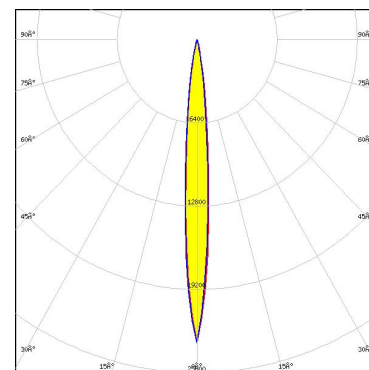
LED LUXEON C  
FWHM / FWTM 12.0° / 27.0°  
Efficiency 87 %  
Peak intensity 13.7 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



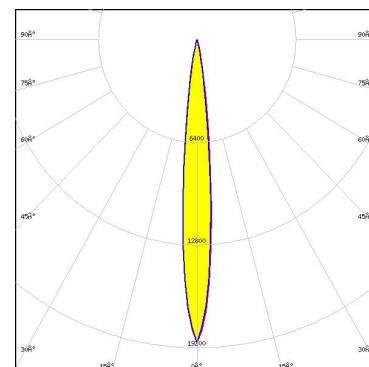
LED LUXEON CZ  
FWHM / FWTM 10.0° / 21.0°  
Efficiency 92 %  
Peak intensity 23.3 cd/Im  
LEDs/each optic 1  
Light colour/type Red  
Required components:



Light distribution files



LED LUXEON Z ES  
FWHM / FWTM 11.0° / 22.0°  
Efficiency 92 %  
Peak intensity 18.9 cd/Im  
LEDs/each optic 1  
Light colour/type White  
Required components:

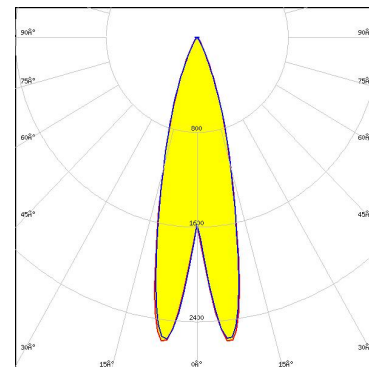


Light distribution files

### OPTICAL RESULTS (SIMULATED):



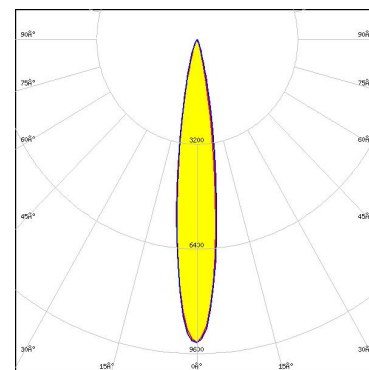
LED NCSxE17A  
FWHM / FWTM 28.0° / 50.0°  
Efficiency 85 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 4  
Light colour/type White  
Required components:



Light distribution files



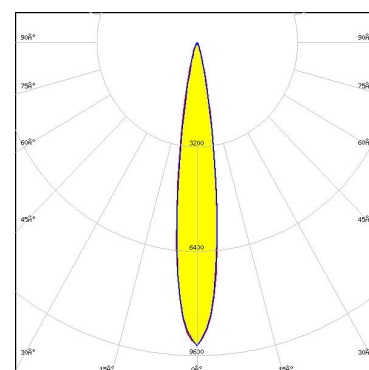
LED NF2x757G  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 92 %  
Peak intensity 9.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 91 %  
Peak intensity 9.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

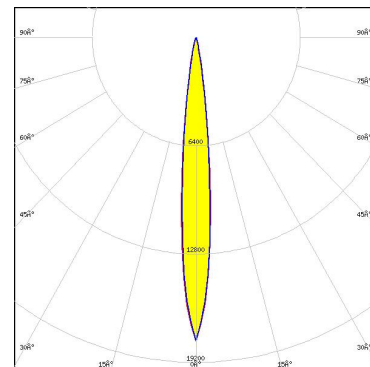


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

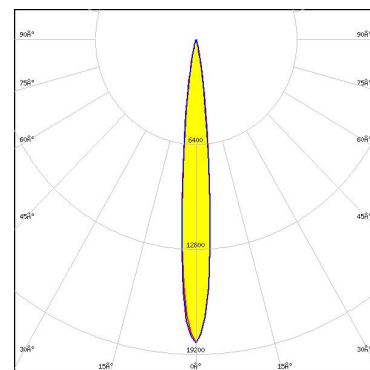
LED SYNIOS S2222  
FWHM / FWTM 12.0° + 11.0° / 22.0°  
Efficiency 97 %  
Peak intensity 17.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**STANLEY**

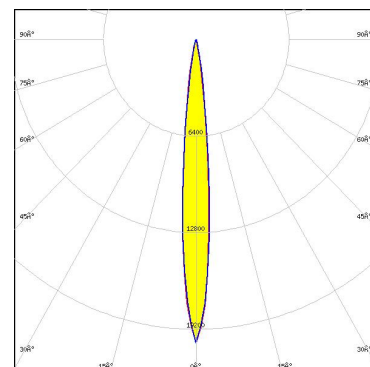
LED MGN1108MS  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 91 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**STANLEY**

LED MJN1108MS  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 92 %  
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.

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#### LEDiL Oy

Joensuunkatu 7  
FI-24100 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

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