

## TINA2-RS

~14° spot beam. Assembly with holder and installation tape.

### SPECIFICATION:

Dimensions	Ø 16.1
Height	9.7 mm
Fastening	tape
ROHS compliant	yes 

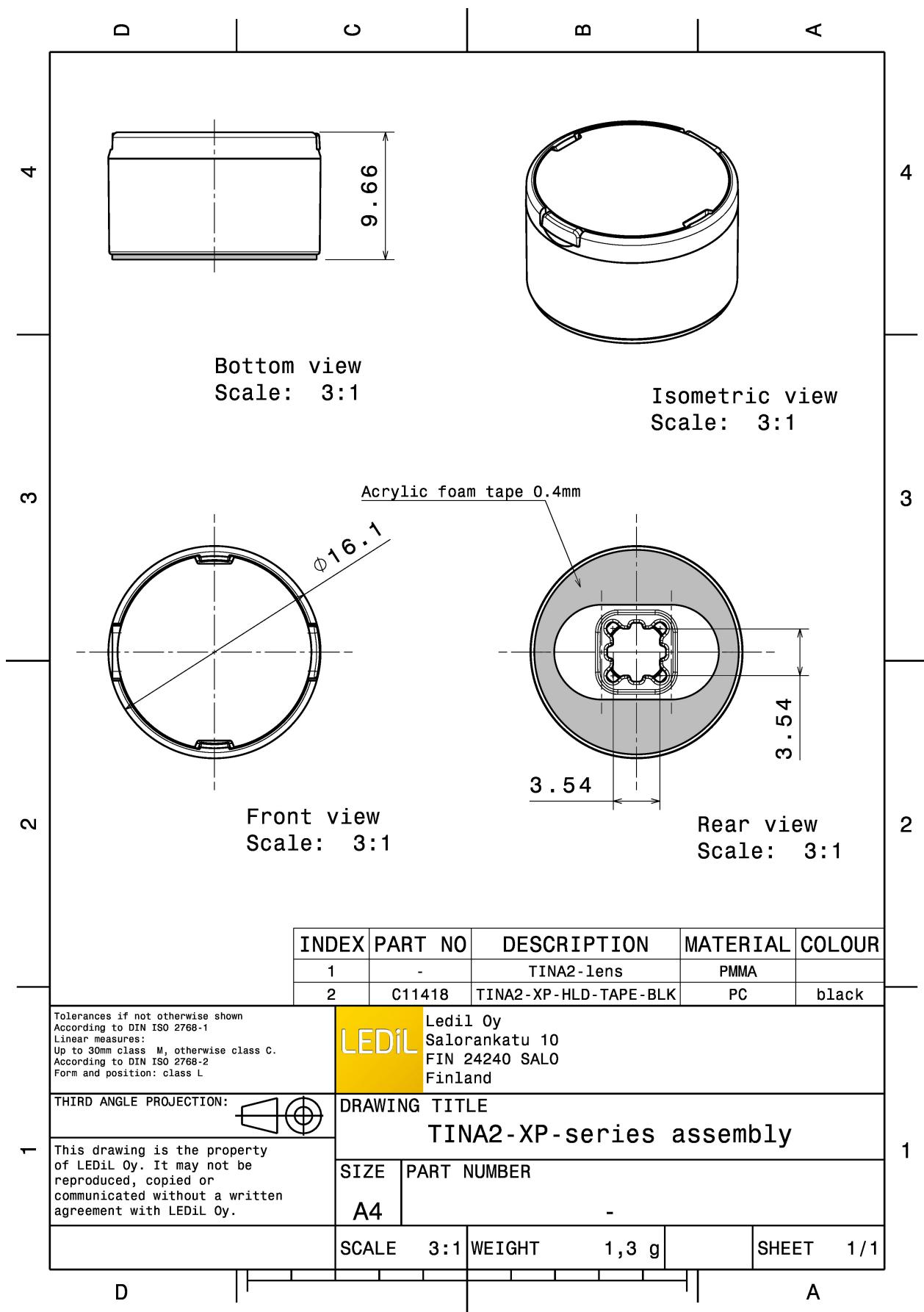


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black		
TINA2-RS	Single lens	PMMA	clear		
TINA-TAPE3	Tape	Acryl tape	black		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11016_TINA2-RS » Box size: 451 x 241 x 298 mm	4140	230	230	8.1

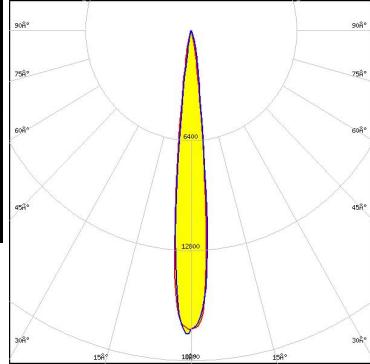


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



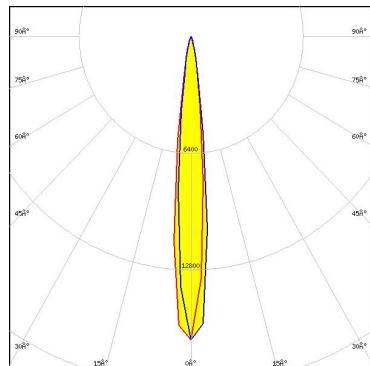
LED XP-E  
FWHM / FWTM 11.0° / 21.0°  
Efficiency 90 %  
Peak intensity 17.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



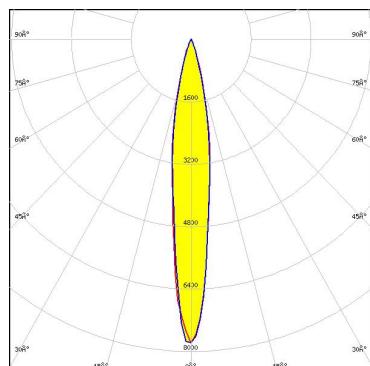
LED XP-E2  
FWHM / FWTM 11.0° / 22.0°  
Efficiency 89 %  
Peak intensity 16.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G  
FWHM / FWTM 15.0° / 30.0°  
Efficiency 93 %  
Peak intensity 9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



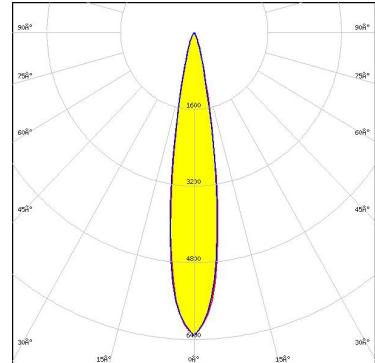
Light distribution files

## OPTICAL RESULTS (SIMULATED):



LED	XP-G2 HE
FWHM / FWTM	18.0° / 33.0°
Efficiency	80 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

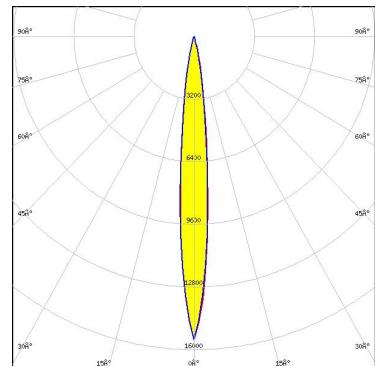


Light distribution files



LED	LUXEON C
FWHM / FWTM	11.0° / 24.0°
Efficiency	85 %
Peak intensity	15.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

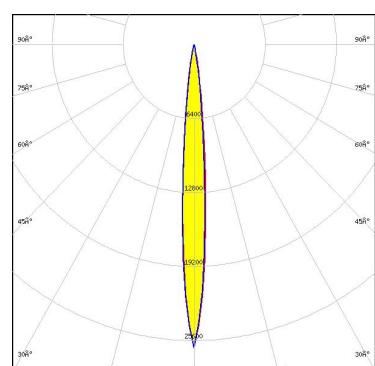


Light distribution files



LED	LUXEON CZ
FWHM / FWTM	9.0° / 19.0°
Efficiency	91 %
Peak intensity	26.2 cd/lm
LEDs/each optic	1
Light colour/type	Red

Required components:

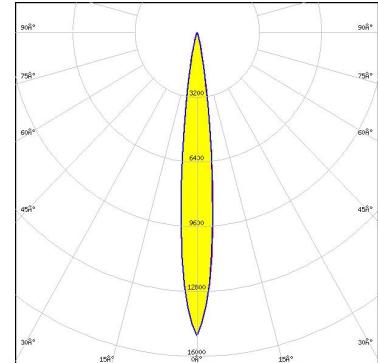


Light distribution files

## OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

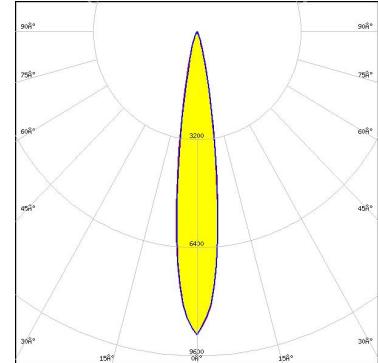
LED OSCONIQ C 2424 Gen1  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 92 %  
Peak intensity 15 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

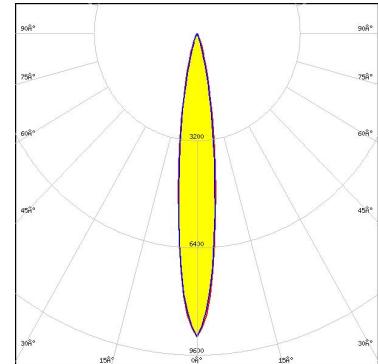
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 90 %  
Peak intensity 9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 14.0° / 32.0°  
Efficiency 91 %  
Peak intensity 9.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



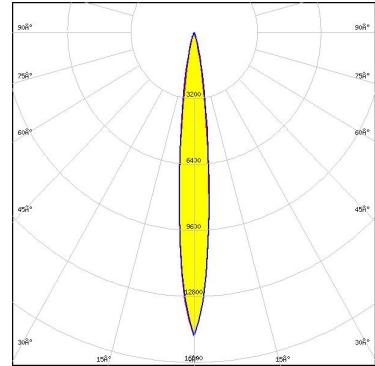
Light distribution files

## OPTICAL RESULTS (SIMULATED):

**OSRAM**

Opto Semiconductors

LED OSRAM OSTAR Projection Compact (KW CSLPM1.TG)  
 FWHM / FWTM 12.0° / 25.0°  
 Efficiency 92 %  
 Peak intensity 14.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**

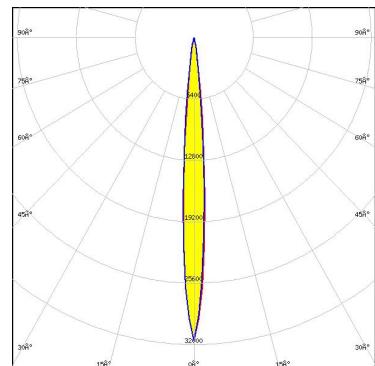
Opto Semiconductors

LED SFH 4170S  
 FWHM / FWTM 8.5°  
 Efficiency 78 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

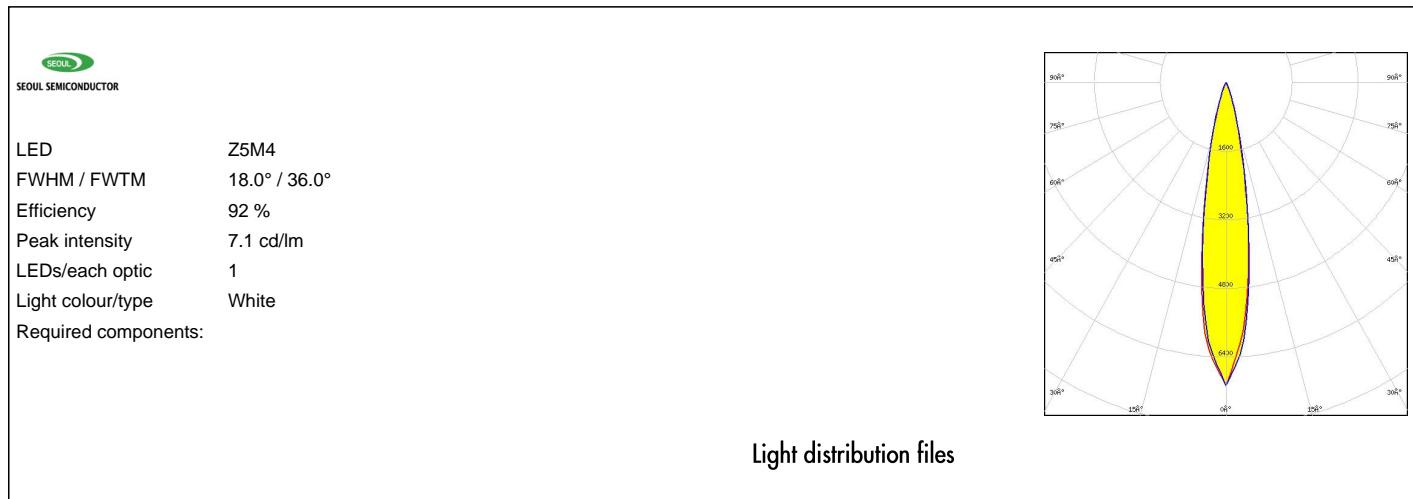
**SEOUL SEMICONDUCTOR**

LED Z5  
 FWHM / FWTM 8.0° / 17.0°  
 Efficiency 91 %  
 Peak intensity 31.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

## OPTICAL RESULTS (SIMULATED):



## 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:

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