

## TINA2-RS

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

### SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

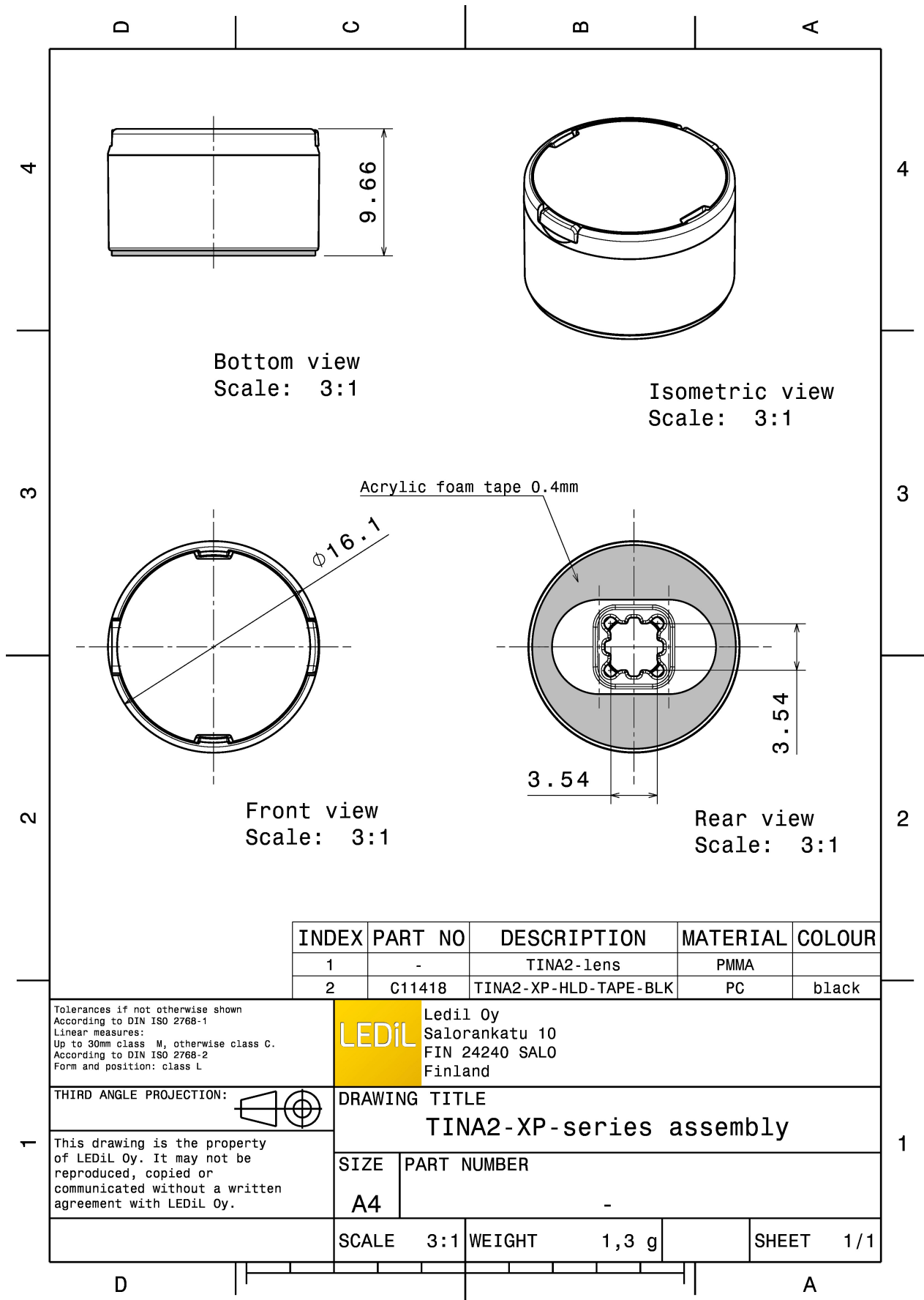


### MATERIALS:

Component	Type	Material	Colour	Finish
TINA2-RS	Single lens	PMMA	clear	
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

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



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	TINA2-lens	PMMA	
2	C11418	TINA2-XP-HLD-TAPE-BLK	PC	black

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL** Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**TINA2-XP-series assembly**


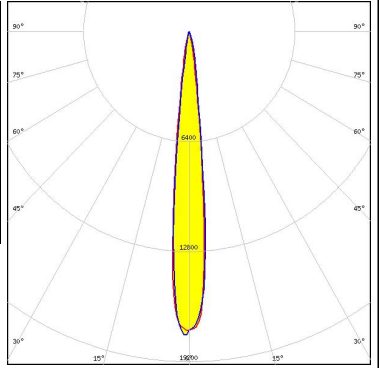
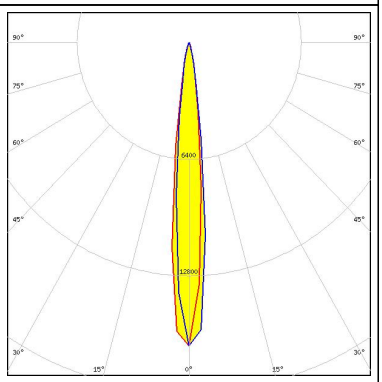
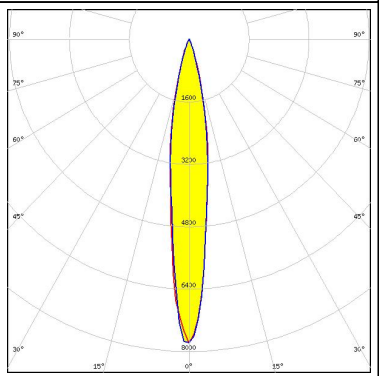
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SIZE	PART NUMBER
A4	-

SCALE	3:1	WEIGHT	1,3 g	SHEET	1/1
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See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

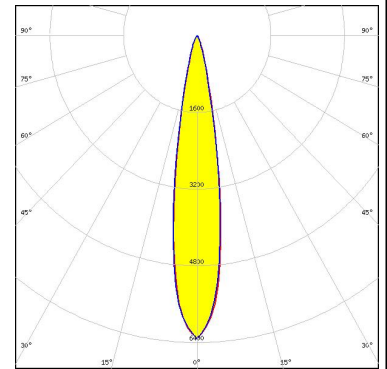
### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LEDs</p> <p>LED                    XP-E            FWHM / FWTM    11.0° / 21.0°            Efficiency            90 %            Peak intensity      17.7 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p><b>CREE</b> LEDs</p> <p>LED                    XP-E2            FWHM / FWTM    11.0° / 22.0°            Efficiency            89 %            Peak intensity      16.6 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p><b>CREE</b> LEDs</p> <p>LED                    XP-G            FWHM / FWTM    15.0° / 30.0°            Efficiency            93 %            Peak intensity      9 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		

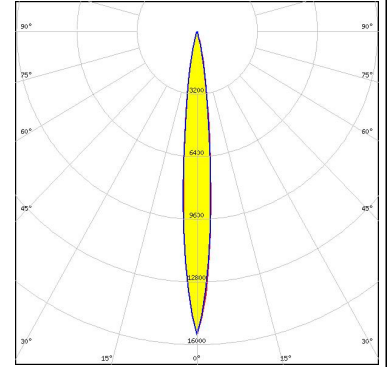
### OPTICAL RESULTS (SIMULATED):



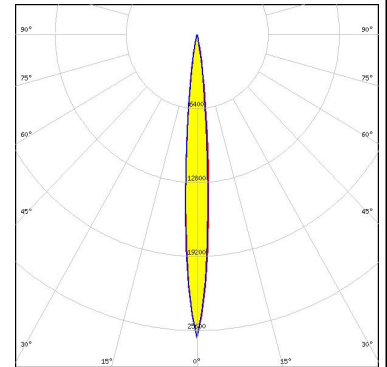
**LED** XP-G2 HE  
**FWHM / FWTM** 18.0° / 33.0°  
**Efficiency** 80 %  
**Peak intensity** 6.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



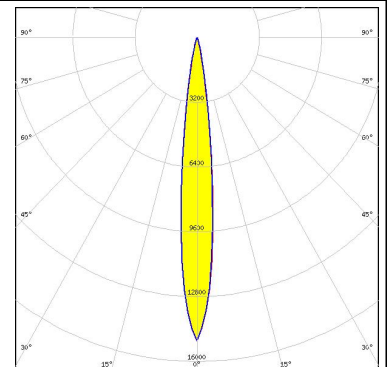
**LED** LUXEON C  
**FWHM / FWTM** 11.0° / 24.0°  
**Efficiency** 85 %  
**Peak intensity** 15.5 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



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



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

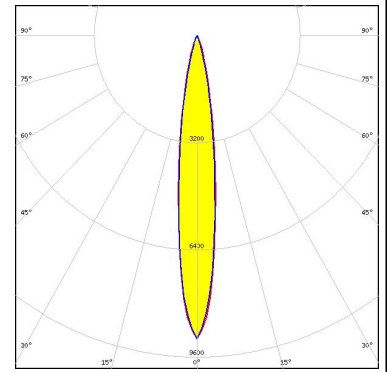


### OPTICAL RESULTS (SIMULATED):

#### OSRAM

Opto Semiconductors

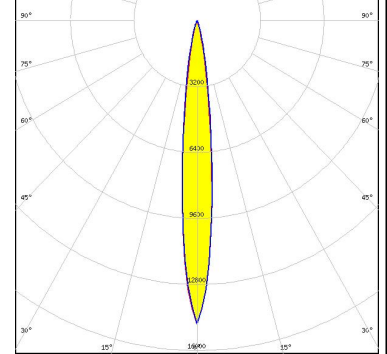
LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 91 %  
 Peak intensity 9.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### 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 White  
 Required components:



#### OSRAM

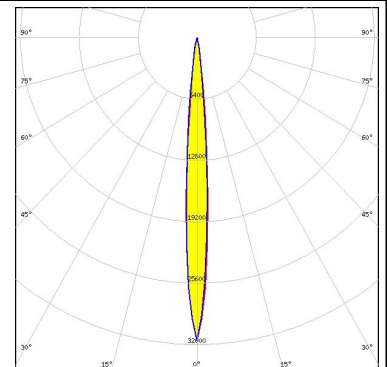
Opto Semiconductors

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



SEOUL SEMICONDUCTOR

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



### OPTICAL RESULTS (SIMULATED):

