

## TINA-O

~35° x 15° oval beam optimized for CREE XP-E.  
Assembly with holder and installation tape.

### SPECIFICATION:

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

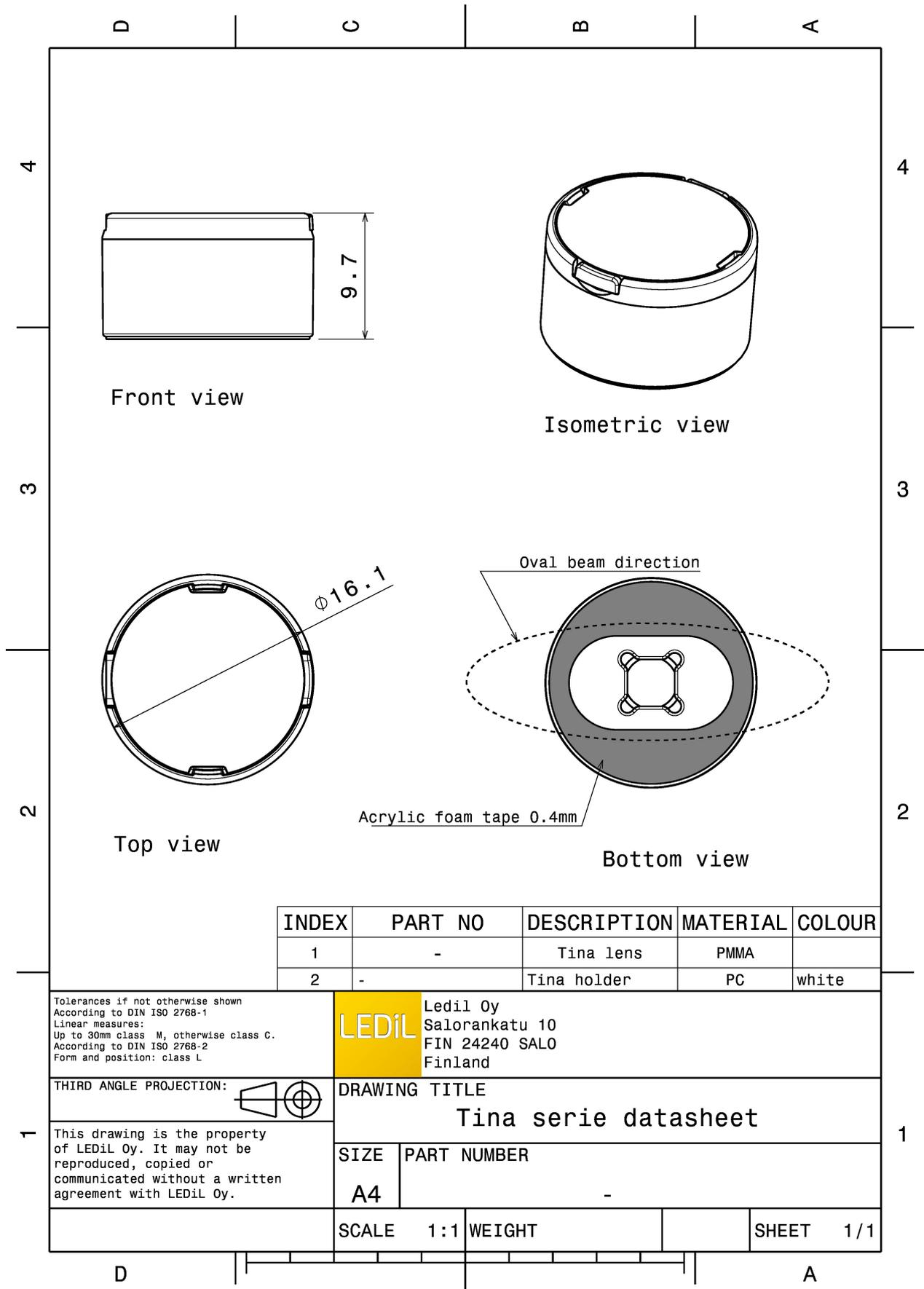


### MATERIALS:

Component	Type	Material	Colour	Finish
TINA-XP-O	Single lens	PMMA	clear	
TINA-XP-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11200_TINA-O	Single lens	2016	288	144	3.9
» Box size: 470 x 240 x 105 mm					



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	Tina lens	PMMA	
2	-	Tina holder	PC	white

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  
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THIRD ANGLE PROJECTION:

DRAWING TITLE  
**Tina serie datasheet**

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SIZE	PART NUMBER
A4	-

SCALE	1:1	WEIGHT		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):

#### CREE LED

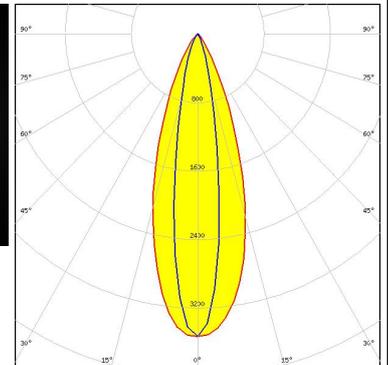
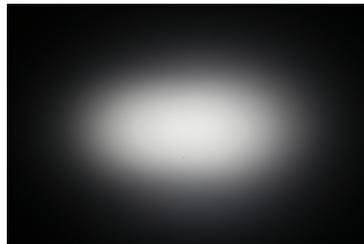
LED XP-E  
 FWHM / FWTM 33.0 + 15.0° / 61.0 + 33.0°  
 Efficiency 93 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### CREE LED

LED XP-G  
 FWHM / FWTM 33.0 + 18.0° / 63.0 + 21.0°  
 Efficiency 92 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

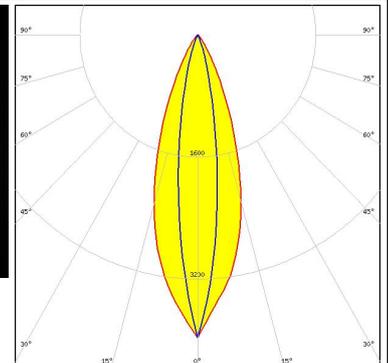
#### CREE LED

LED XP-G2  
 FWHM / FWTM 36.0 + 18.0° / 64.0 + 40.0°  
 Efficiency 88 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE LED

LED XT-E  
 FWHM / FWTM 36.0 + 16.0° / 63.0 + 36.0°  
 Efficiency 92 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON V2            FWHM / FWTM: 40.0 + 17.0° / 67.0 + 36.0°            Efficiency: 93 %            Peak intensity: 3.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSW3x9A            FWHM / FWTM: 20.0 + 38.0° / 42.0 + 67.0°            Efficiency: 84 %            Peak intensity: 2.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSOLON Square CSSRM2/CSSRM3            FWHM / FWTM: 40.0 + 15.0° / 64.0 + 33.0°            Efficiency: 94 %            Peak intensity: 4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSOLON Square CSSRM2/CSSRM3            FWHM / FWTM: 40.0 + 16.0° / 66.0 + 34.0°            Efficiency: 94 %            Peak intensity: 3.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

## OPTICAL RESULTS (SIMULATED):

	
SEOL SEMICONDUCTOR	
LED	Z5
FWHM / FWTM	35.0 + 15.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

### 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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