

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 ⓘ

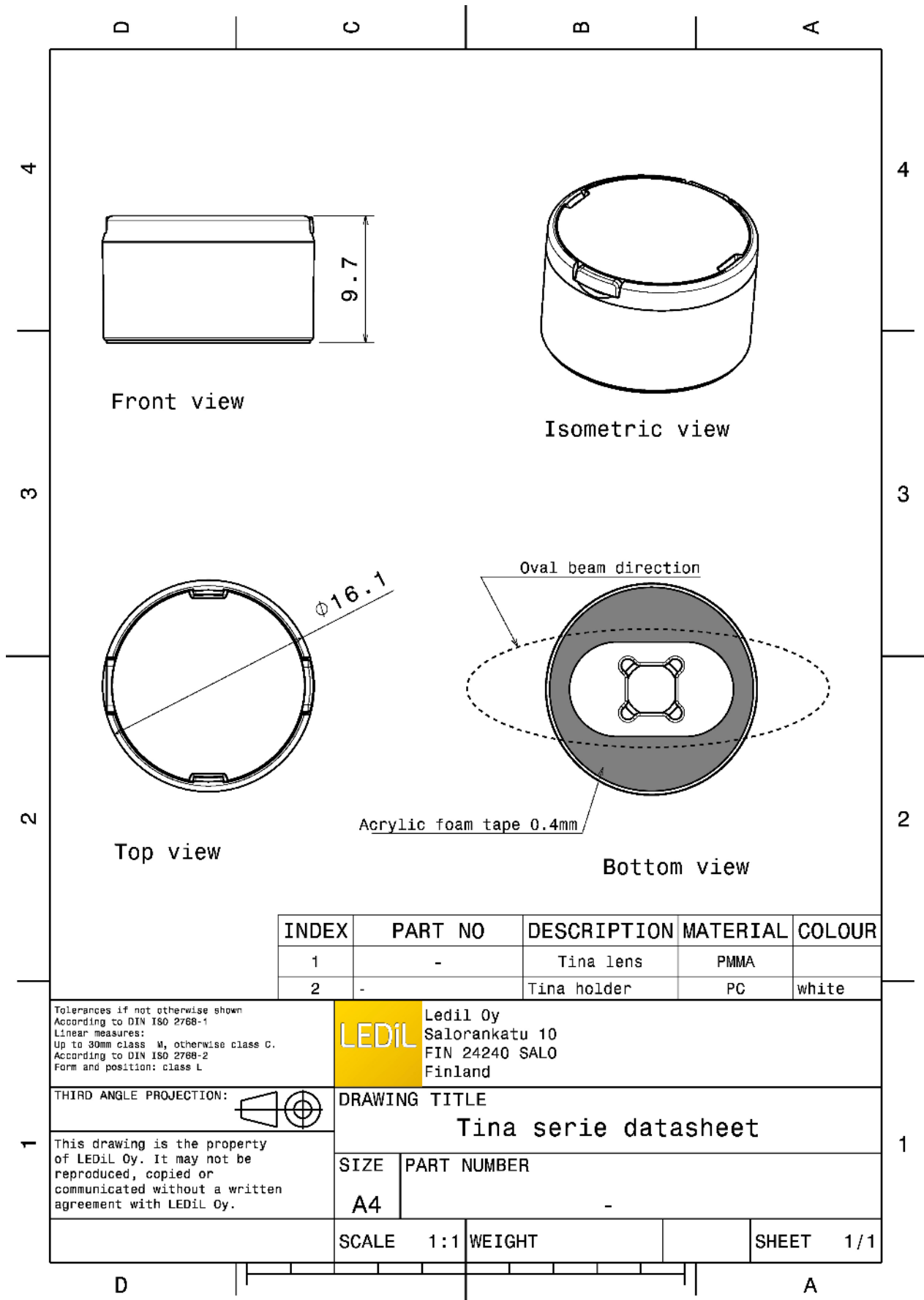


MATERIALS:

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					



See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE ⇄ LED

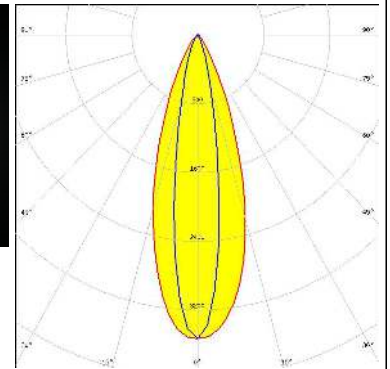
LED XP-E
 FWHM / FWTM 33.0 + 15.0° / 61.0 + 33.0°
 Efficiency 93 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

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:

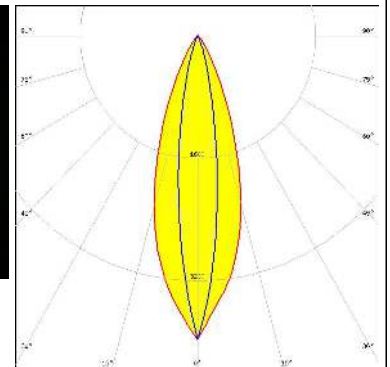
CREE ⇄ LED

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:

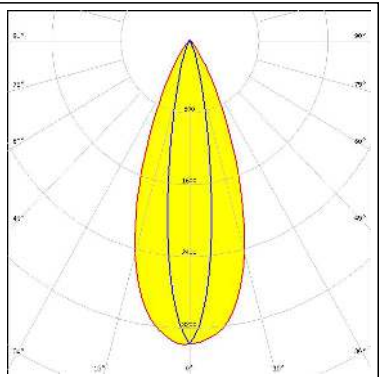
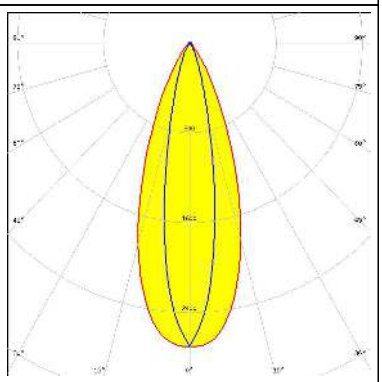
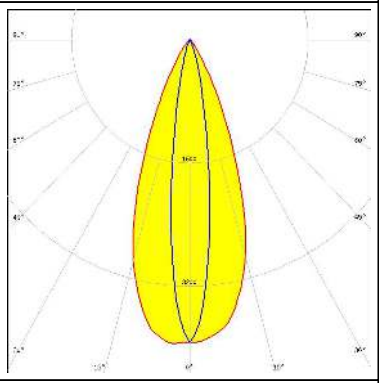
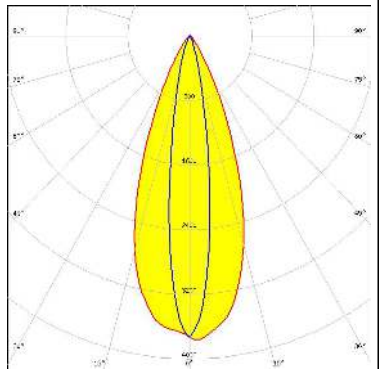


CREE ⇄ LED

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>LUMILEDS</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>NICHIA</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>OSRAM 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>OSRAM 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):

 SEOUL 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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