

TINA-O

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

SPECIFICATION:

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

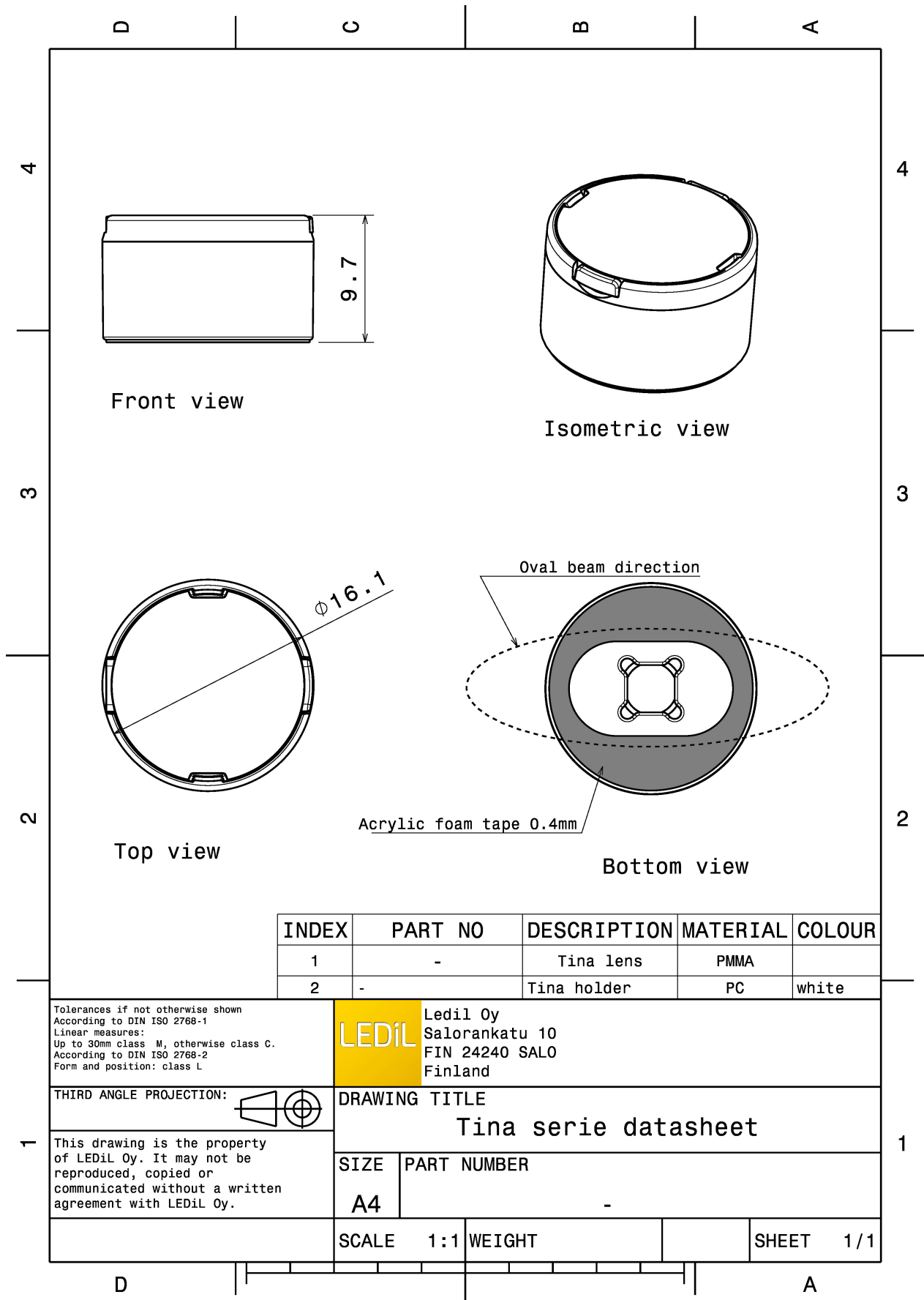


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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 » Box size: 470 x 240 x 105 mm	2016	288	144	3.9



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
Salorankatu 10
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Finland

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

OPTICAL RESULTS (MEASURED):



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/type White
Required components:

Light distribution files

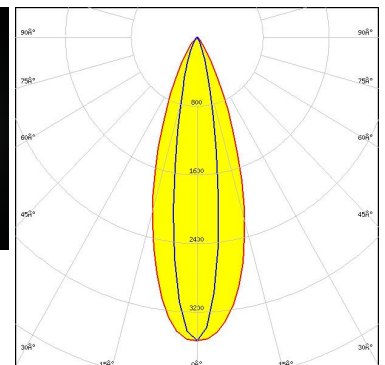


LED XP-G
FWHM / FWTM 33.0 + 18.0° / 63.0 + 21.0°
Efficiency 92 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



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/type White
Required components:

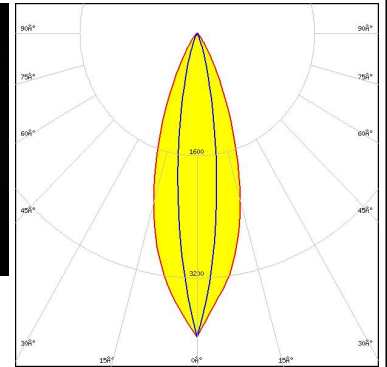


Light distribution files

OPTICAL RESULTS (MEASURED):



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/type White
Required components:

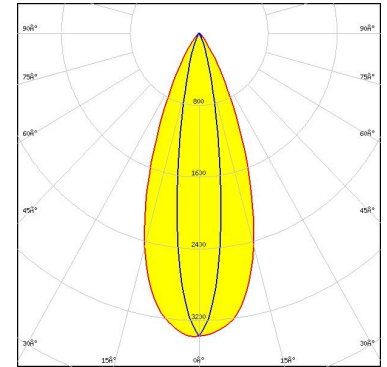


Light distribution files

OPTICAL RESULTS (SIMULATED):



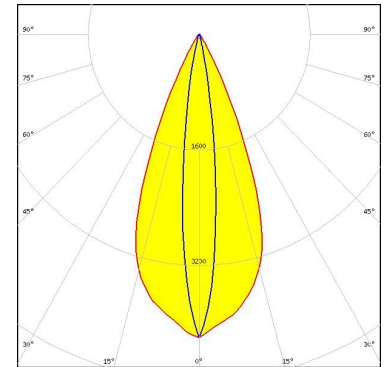
LED LUXEON V2
FWHM / FWTM 40.0 + 17.0° / 67.0 + 36.0°
Efficiency 93 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



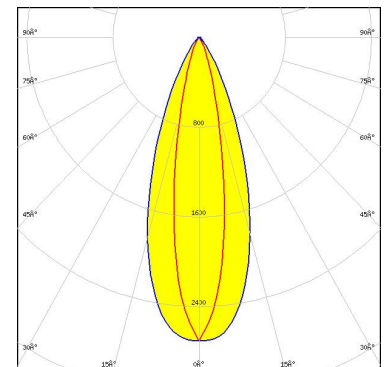
LED NCSWE13A
FWHM / FWTM 44.0 + 13.0° / 60.0 + 25.0°
Efficiency 90 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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/type White
Required components:

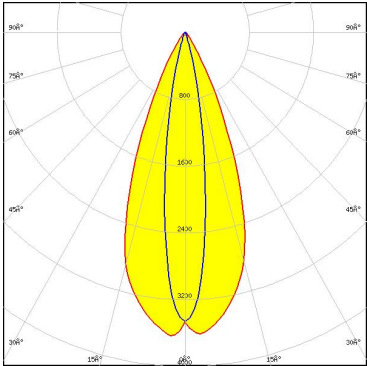


Light distribution files

OPTICAL RESULTS (SIMULATED):

NICHIA

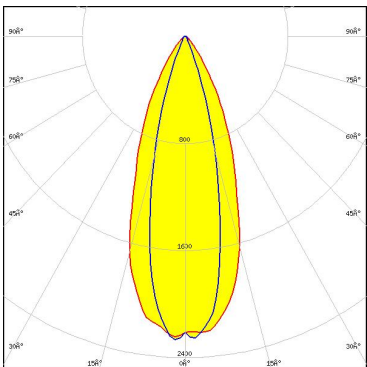
LED	NVSxE21A
FWHM / FWTM	42.0 + 16.0° / 64.0 + 32.0°
Efficiency	94 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

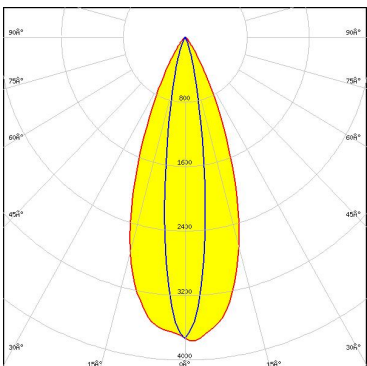
LED	OSLON Pure 1414
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	2.3 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON 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/type	White
Required components:	

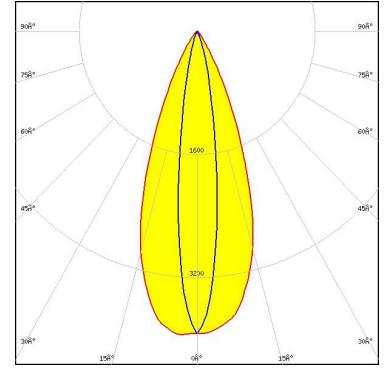


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Osram Semiconductors

LED OSLON 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/type White
Required components:



Light distribution files

SEUL
SEOUL SEMICONDUCTOR

LED Z5
FWHM / FWTM 35.0 + 15.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
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:

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