

TINA-WW

~60° wide beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	pin, tape
ROHS compliant	yes ⓘ

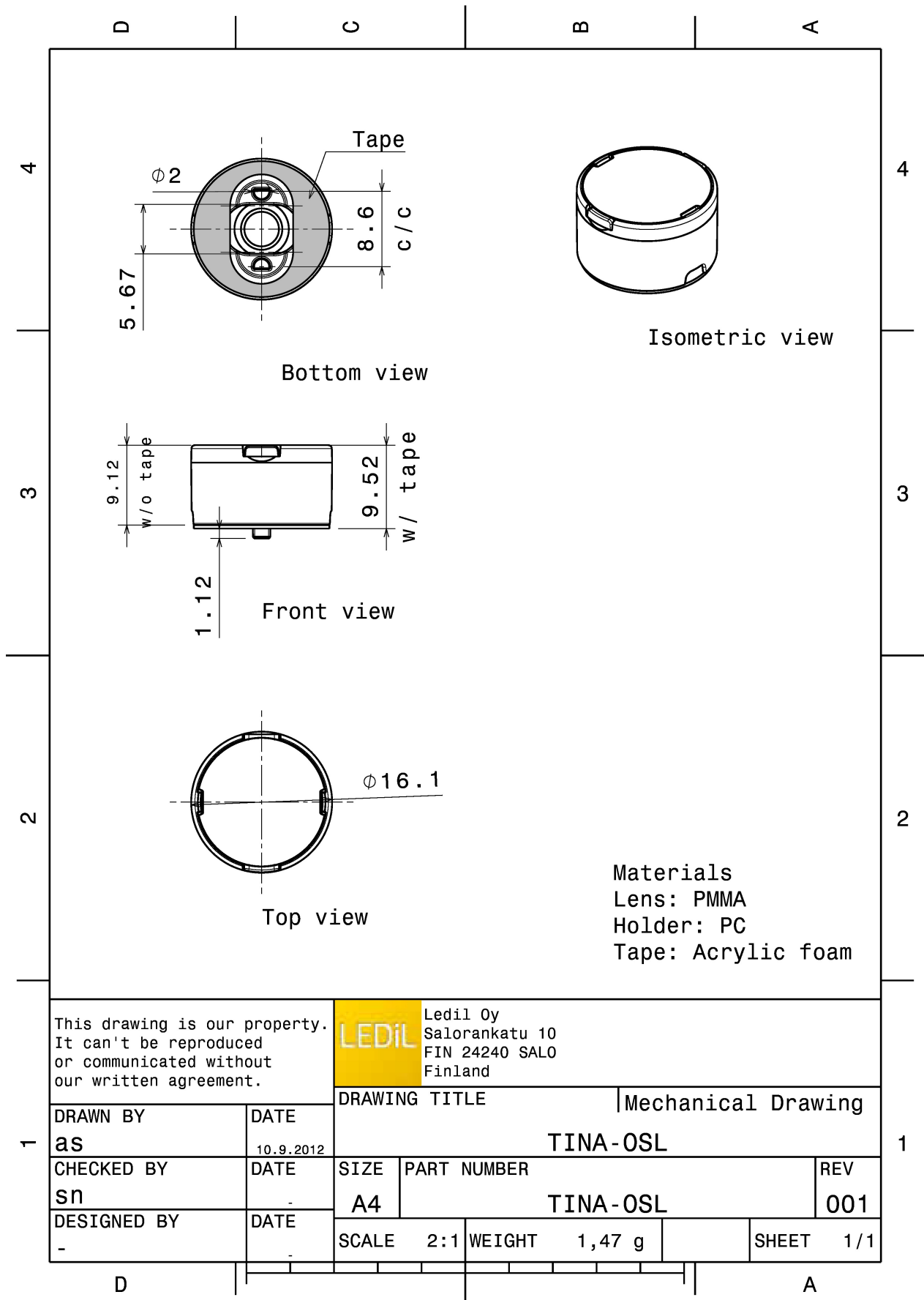


MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

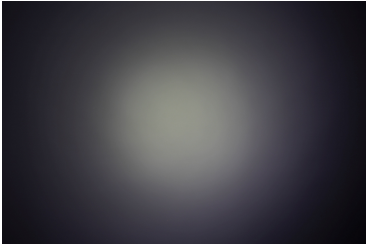
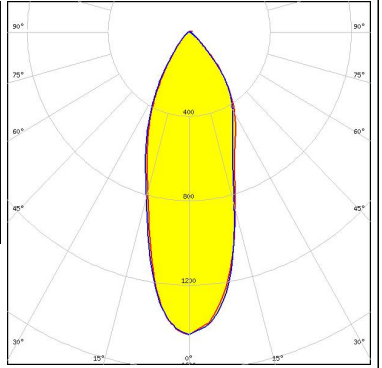

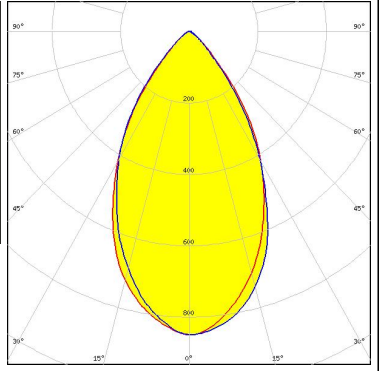
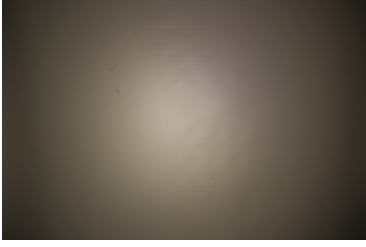
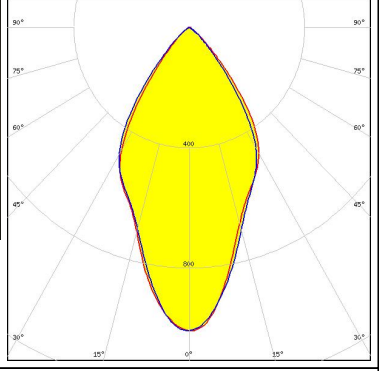
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11027_TINA-WW	Single lens	2016	288	144	4.0
» Box size:					



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DRAWN BY as		DATE 10.9.2012	
CHECKED BY sn		DATE -	
DESIGNED BY -		DATE -	
DRAWING TITLE TINA-OSL		Mechanical Drawing	
SIZE A4	PART NUMBER TINA-OSL	REV 001	
SCALE 2:1	WEIGHT 1,47 g	SHEET 1/1	

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

PHOTOMETRIC DATA (MEASURED):

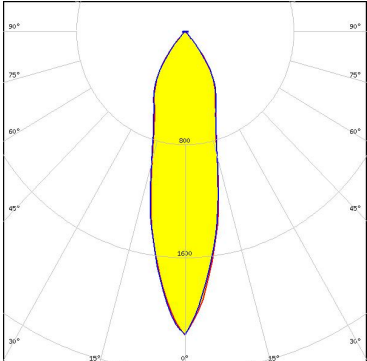
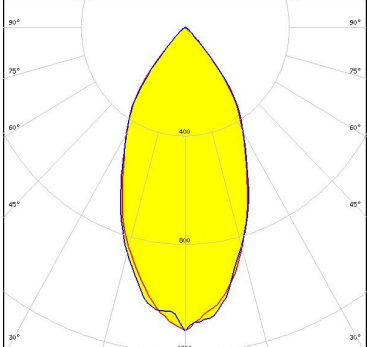
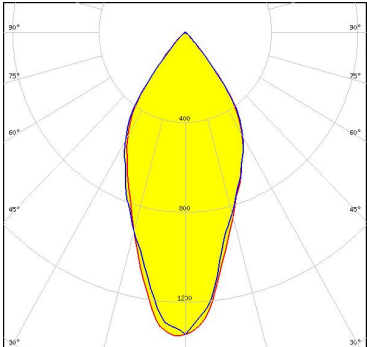
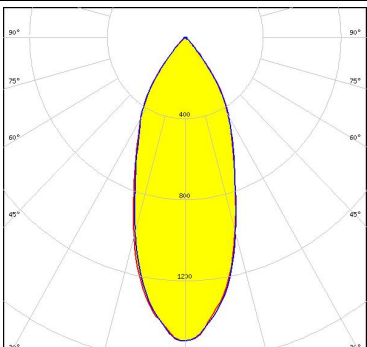
<p>LUMILEDS</p> <p>LED LUXEON C</p> <p>FWHM / FWTM 35.0° / 81.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSW3x9A</p> <p>FWHM / FWTM 59.0° / 92.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSOLON SSL 80</p> <p>FWHM / FWTM 57.0° / 90.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4715S</p> <p>FWHM / FWTM 36.0° / 80.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	SFH 4725S
FWHM / FWTM	35.0° / 82.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED: NCSxE17A FWHM / FWTM: 27.0° / 76.0° Efficiency: 90 % Peak intensity: 2.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: 50.0° Efficiency: 89 % Peak intensity: 1.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: SYNIOS S2222 (KW DDLM31) FWHM / FWTM: 46.0 + 47.0° / 84.0° Efficiency: 98 % Peak intensity: 1.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>SAMSUNG</p> <p>LED: LH181B FWHM / FWTM: 40.1° / 81.3° Efficiency: 94 % Peak intensity: 1.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

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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