

TINA-M

~30° medium beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

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

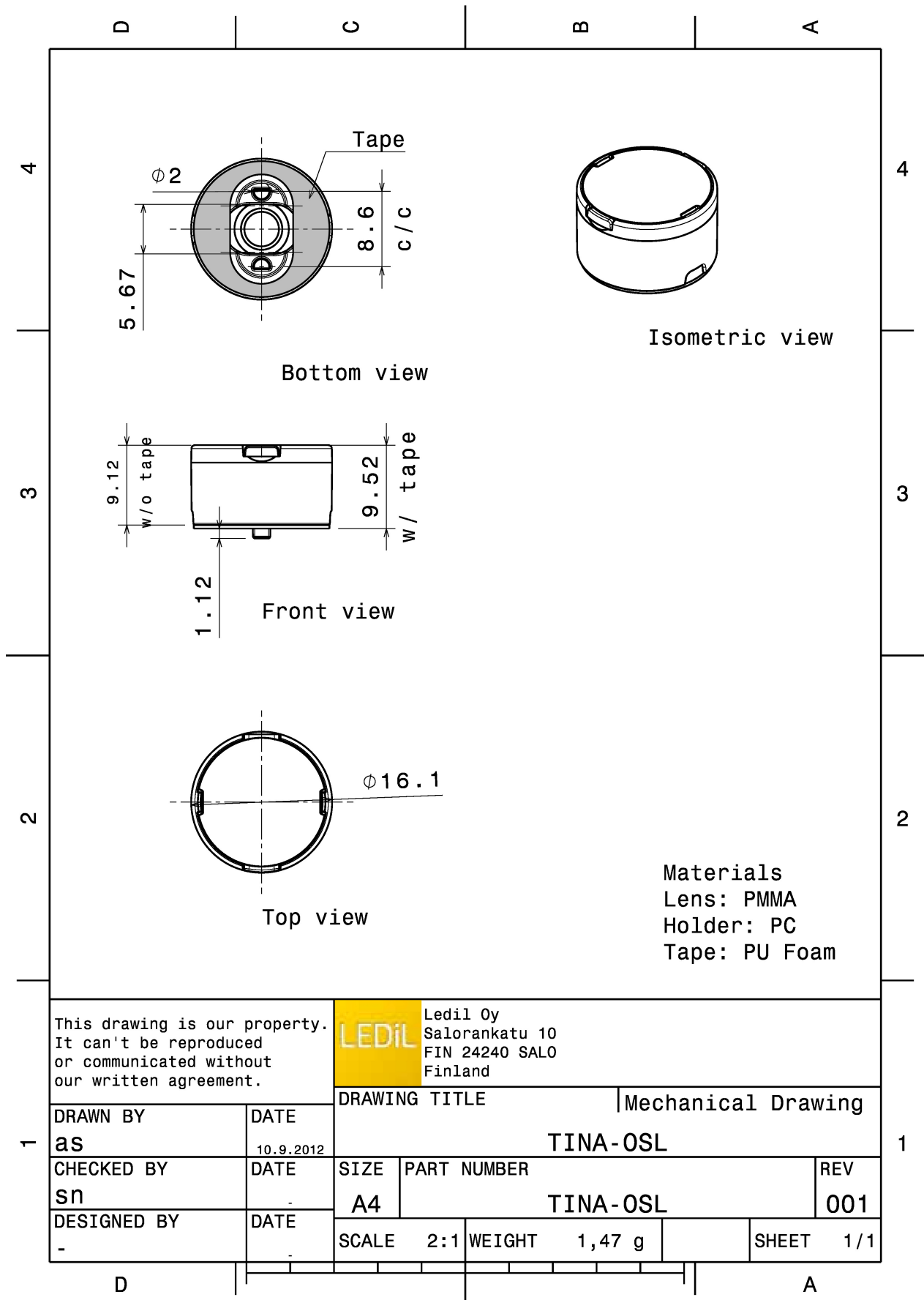


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-M	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)
FA11206_TINA-M » Box size:	2016	288	144	4.1



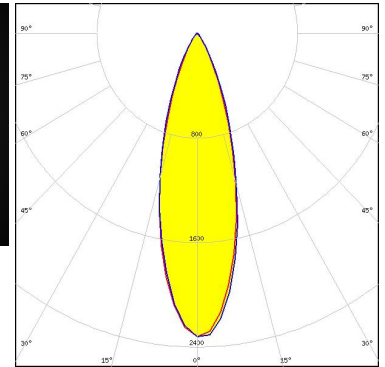
This drawing is our property. It can't be reproduced or communicated without our written agreement.		LEDiL LediL Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWN BY as		DATE 10.9.2012	
CHECKED BY sn		DATE -	
DESIGNED BY -		DATE -	
DRAWING TITLE TINA-OSL		Mechanical Drawing	
SIZE A4	PART NUMBER TINA-OSL	REV 001	
SCALE 2:1	WEIGHT 1,47 g	SHEET 1/1	

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

OPTICAL RESULTS (MEASURED):



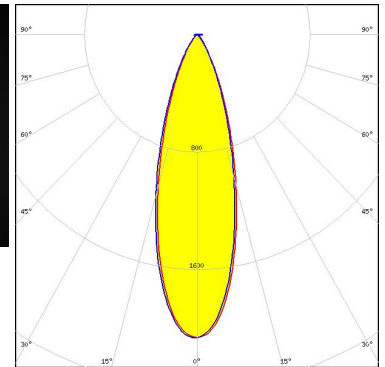
LED XB-H
FWHM / FWTM 31.0° / 58.0°
Efficiency 80 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



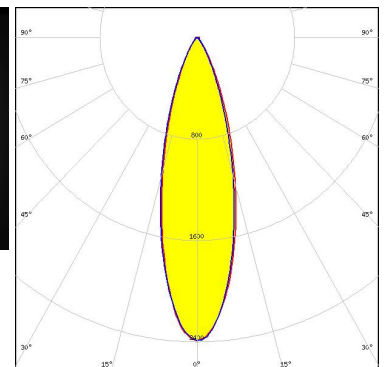
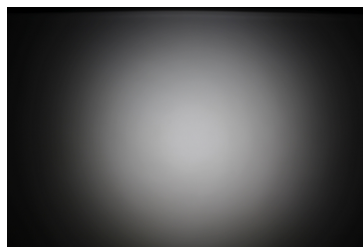
LED NVSW3x9A
FWHM / FWTM 31.0° / 60.0°
Efficiency 78 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Duris S5 (2 chip)
FWHM / FWTM 29.0° / 58.0°
Efficiency 82 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 30.0° / 54.0°
Efficiency 85 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 24.0° / 56.0°
Efficiency 83 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OSRAM
Opto Semiconductors

LED SFH 4715S
FWHM / FWTM 28.0° / 56.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 27.0° / 58.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

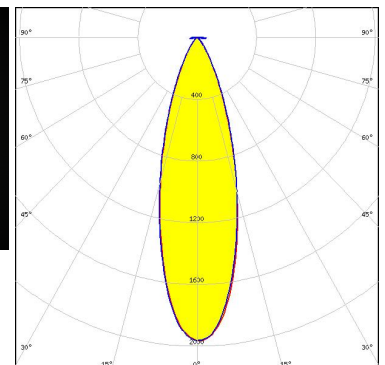
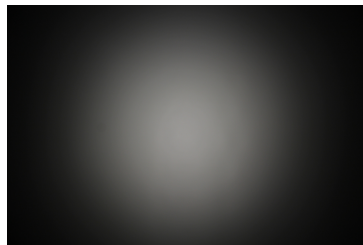
SAMSUNG

LED LH351A
FWHM / FWTM 32.0° / 60.0°
Efficiency 91 %
Peak intensity 1.5 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

SEUL
SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM / FWTM 30.0° / 60.0°
Efficiency 75 %
Peak intensity 2 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

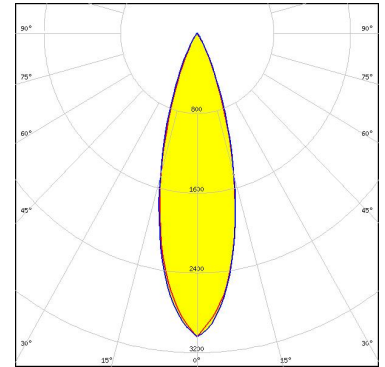


Light distribution files

OPTICAL RESULTS (SIMULATED):



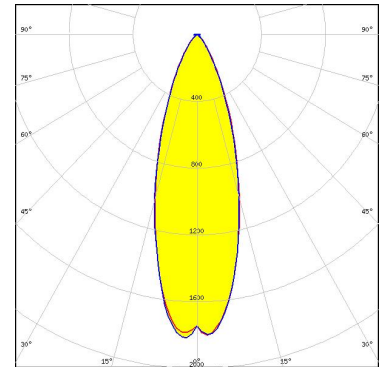
LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 30.0° / 53.0°
Efficiency 89 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



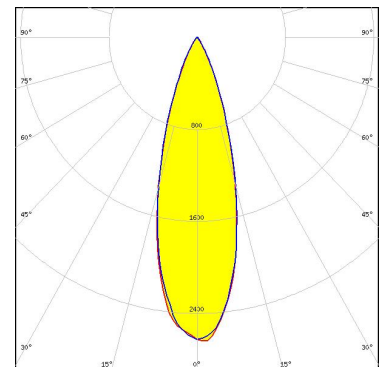
LED NCSxE17A
FWHM / FWTM 33.0° / 65.0°
Efficiency 79 %
Peak intensity 1.8 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM 30.0°
Efficiency 86 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

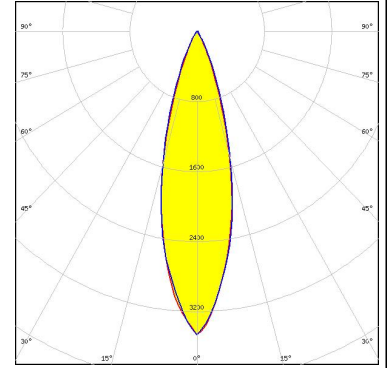


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	SYNIOS S2222
FWHM / FWTM	28.0° / 50.0 + 52.0°
Efficiency	97 %
Peak intensity	3.5 cd/lm
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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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