

TINA-M

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

SPECIFICATION:

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

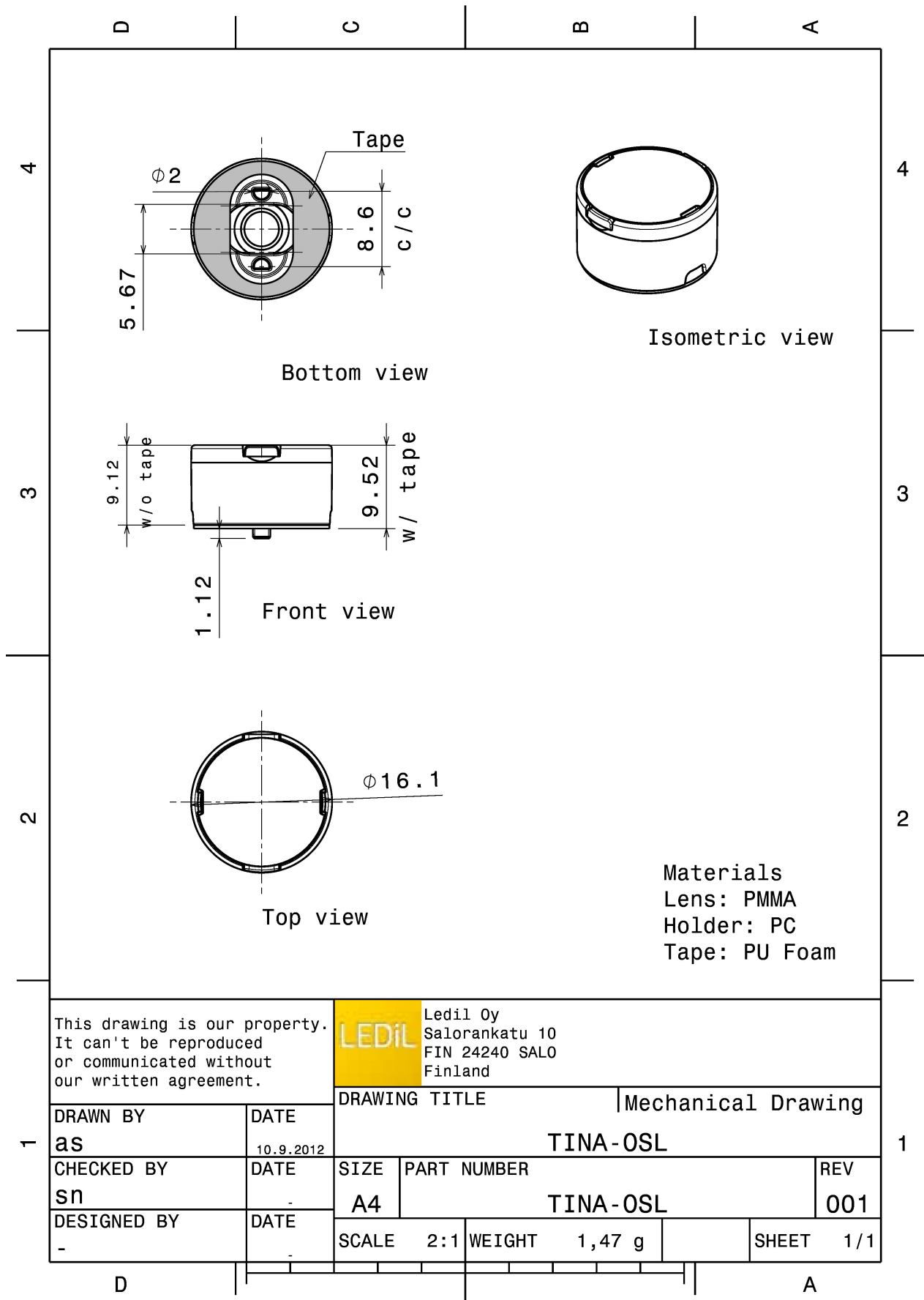


MATERIALS:

Component	Type	Material	Colour	Finish
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	Single lens	2016	288	144	4.1
» Box size:					



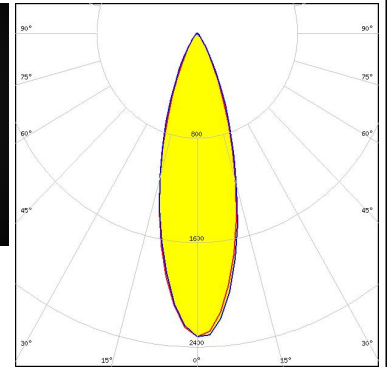
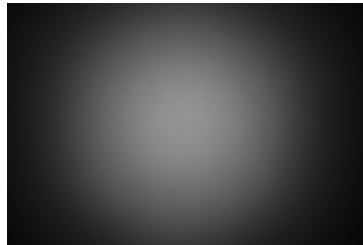
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DRAWN BY as		DATE 10.9.2012	
CHECKED BY sn		DATE -	
DESIGNED BY -		DATE -	
DRAWING TITLE TINA-OSL		Mechanical Drawing	
SIZE A4	PART NUMBER TINA-OSL	REV 001	
SCALE 2:1	WEIGHT 1,47 g	SHEET 1/1	

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

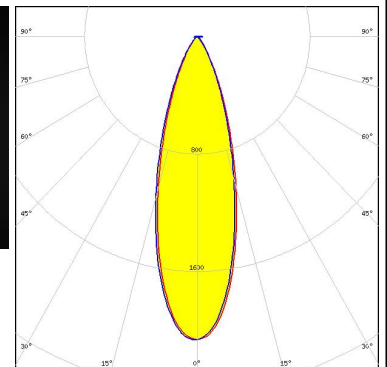
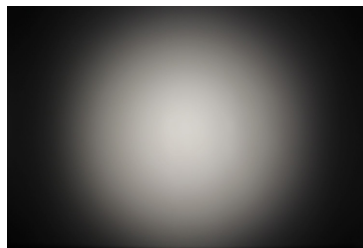
OPTICAL RESULTS (MEASURED):



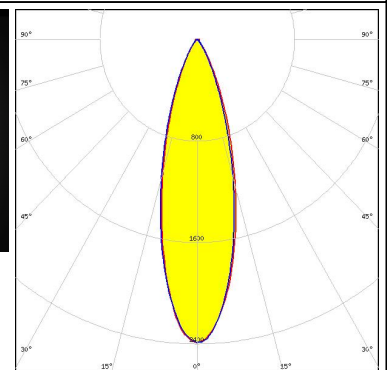
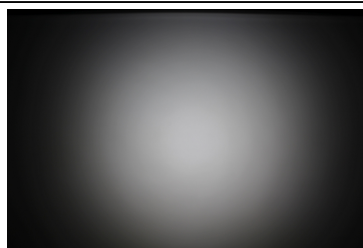
LED XB-H
 FWHM / FWTM 31.0° / 58.0°
 Efficiency 80 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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



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 White
 Required components:



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

OPTICAL RESULTS (MEASURED):

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 White
Required components:

OSRAM

Opto Semiconductors

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

OSRAM

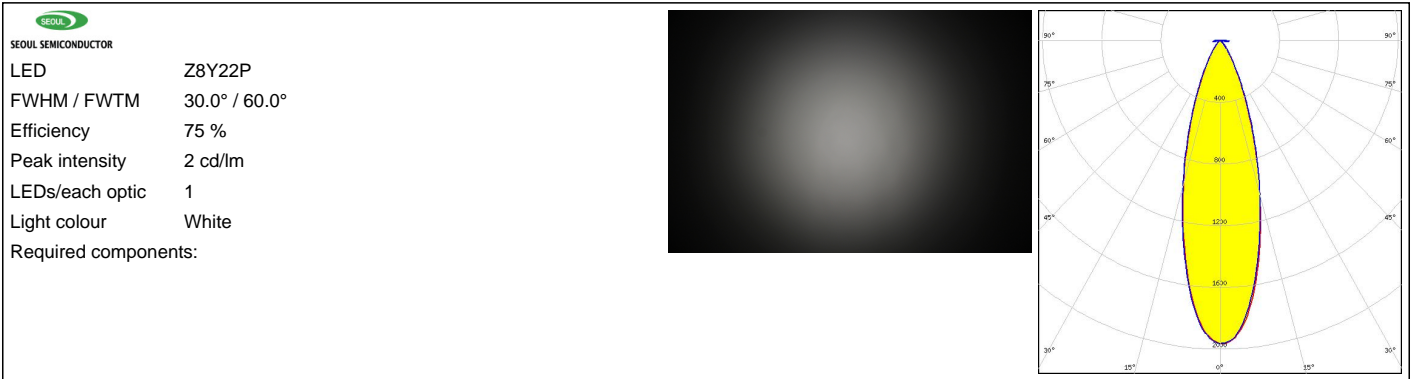
Opto Semiconductors

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

SAMSUNG

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

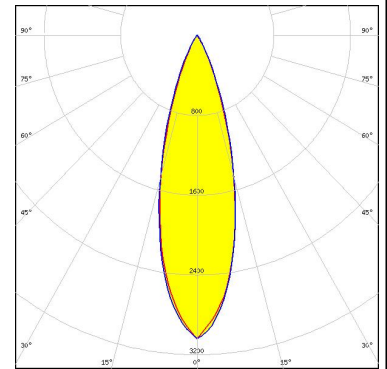
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):

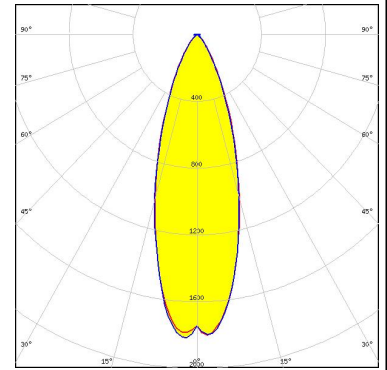
LUMILEDS

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 White
 Required components:



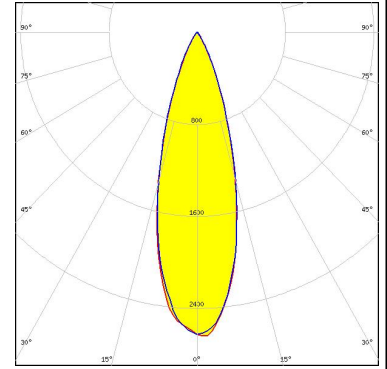
NICHIA

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



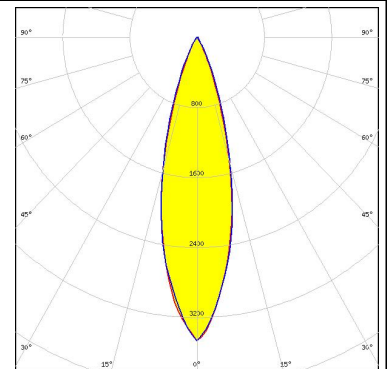
NICHIA

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



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 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:

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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