

TINA-RS

~13° spot beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

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

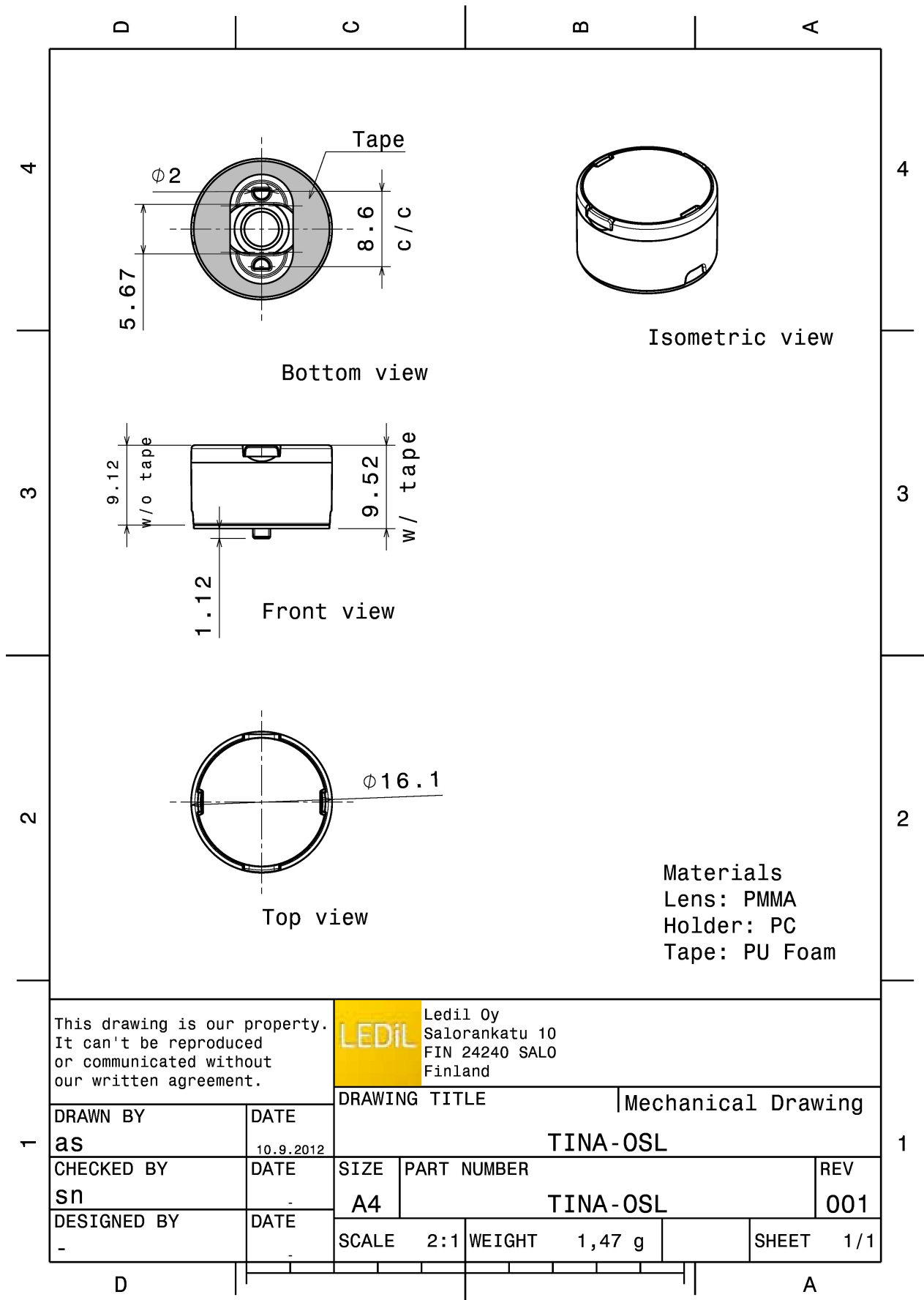


MATERIALS:

Component	Type	Material	Colour	Finish
TINA-XP-RS	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)
FA11208_TINA-RS	Single lens	2016	288	144	4.1
» Box size: 470 x 240 x 105 mm					



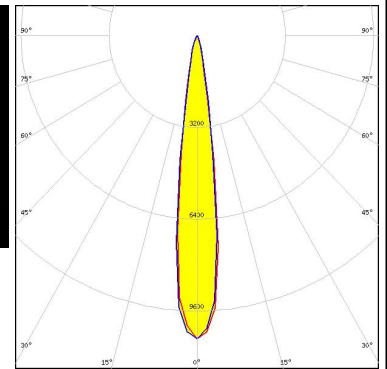
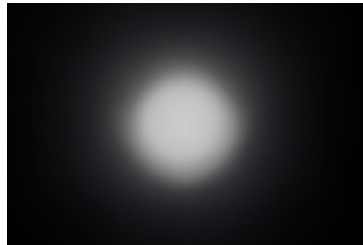
This drawing is our property. It can't be reproduced or communicated without our written agreement.		LEDiL LediL Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWN BY as		DATE 10.9.2012	
CHECKED BY sn		DATE -	
DESIGNED BY -		DATE -	
DRAWING TITLE TINA-OSL		Mechanical Drawing	
SIZE A4	PART NUMBER TINA-OSL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

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

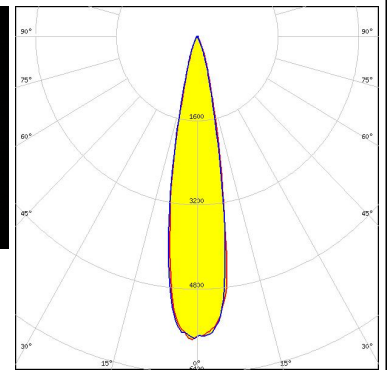
OPTICAL RESULTS (MEASURED):



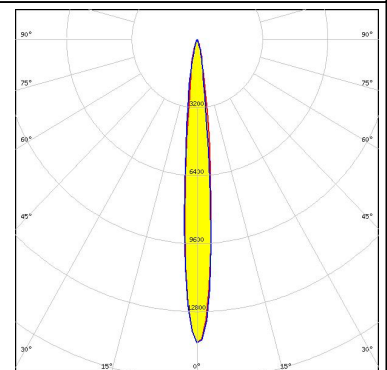
LED XB-H
 FWHM / FWTM 15.0° / 27.0°
 Efficiency 88 %
 Peak intensity 10.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW3x9A
 FWHM / FWTM 20.0° / 37.0°
 Efficiency 88 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLON SSL 80
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 90 %
 Peak intensity 14.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED SFH 4715S
 FWHM / FWTM 15.0° / 26.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:

OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 10.0° / 24.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

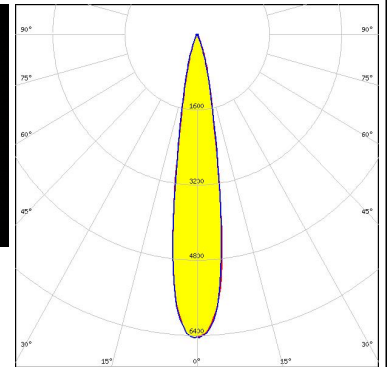
SAMSUNG

LED LH351A
FWHM / FWTM 14.0° / 26.0°
Efficiency 93 %
Peak intensity 7.8 cd/m
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

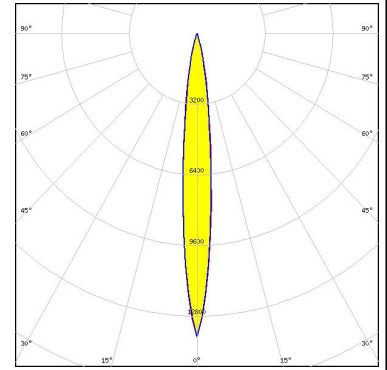
LED Z8Y22P
FWHM / FWTM 17.0° / 35.0°
Efficiency 85 %
Peak intensity 6.4 cd/m
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

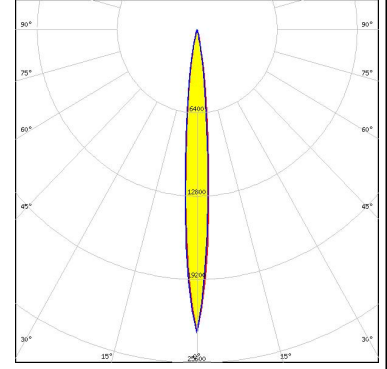
LUMILEDS

LED LUXEON C
 FWHM / FWTM 12.0° / 27.0°
 Efficiency 87 %
 Peak intensity 13.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



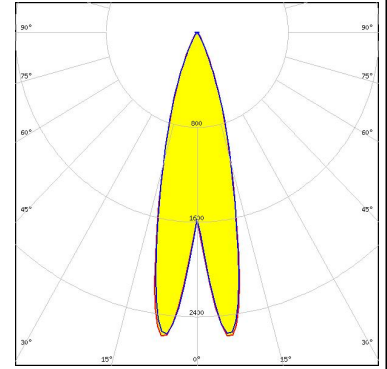
LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 92 %
 Peak intensity 23.3 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



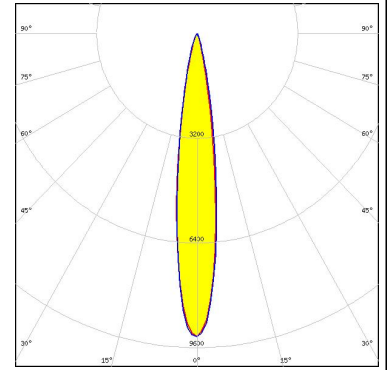
NICHIA

LED NCSxE17A
 FWHM / FWTM 28.0° / 50.0°
 Efficiency 85 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:



NICHIA

LED NF2x757G
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 92 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

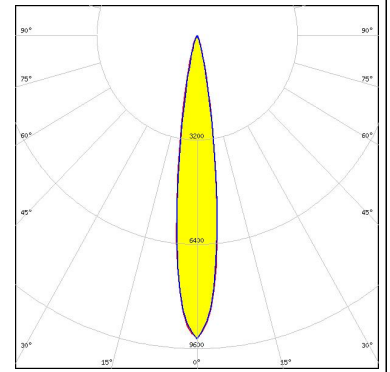


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

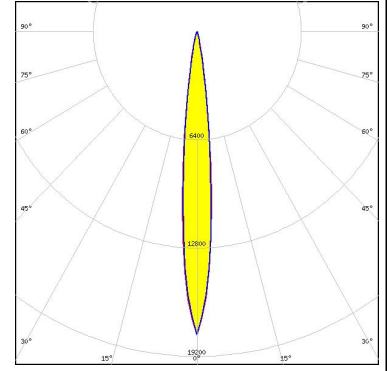
LED OSLO Square CSSRM2/CSSRM3
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 91 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED SYNIOS S2222
 FWHM / FWTM 12.0 + 11.0° / 22.0°
 Efficiency 97 %
 Peak intensity 17.9 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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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
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