

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 ⓘ

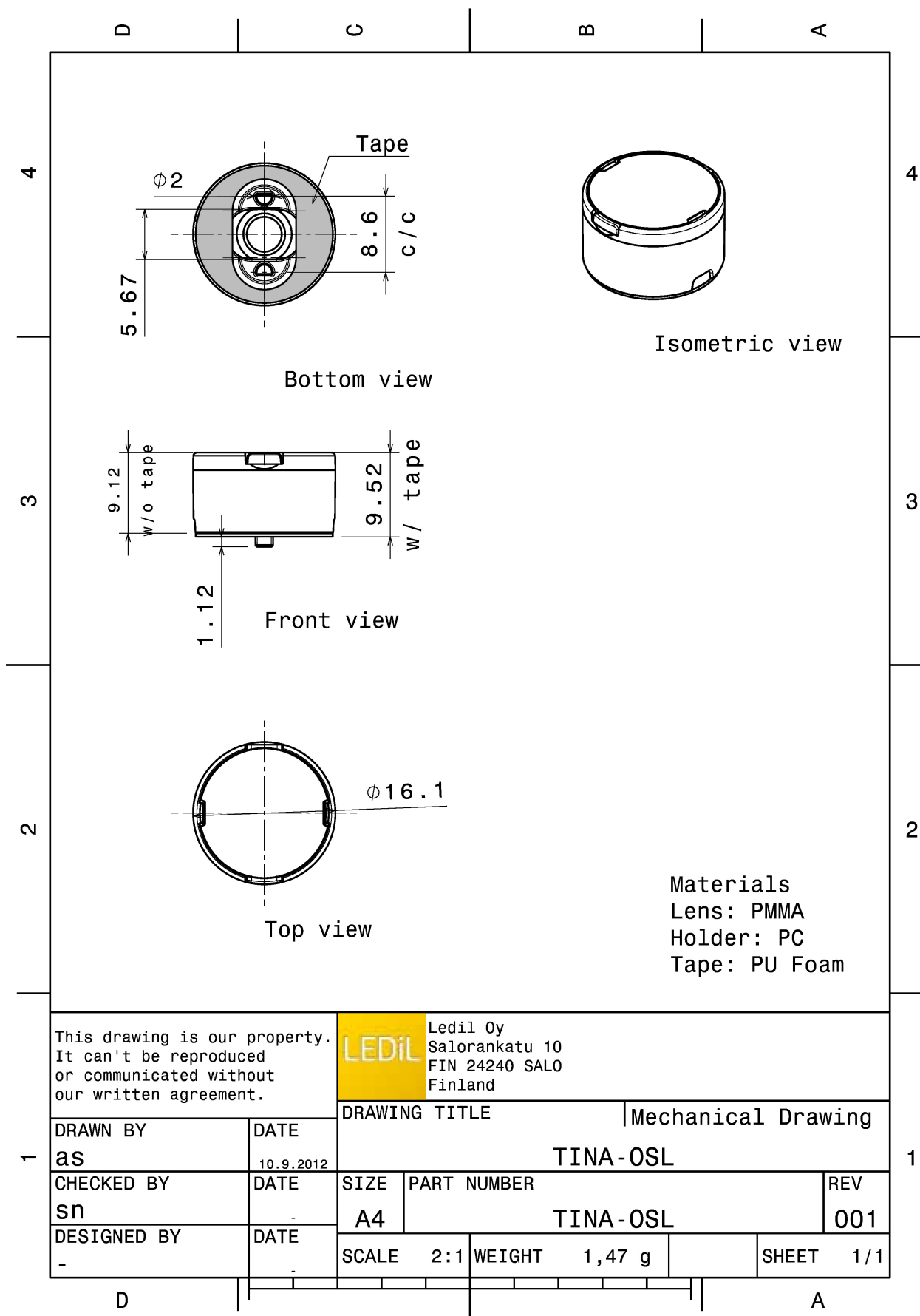


MATERIALS:

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					

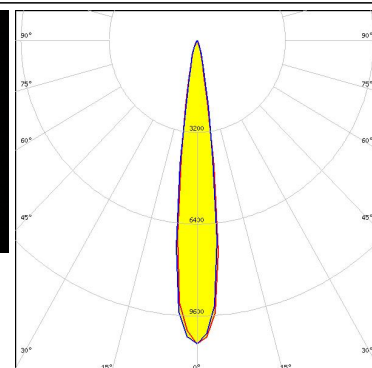
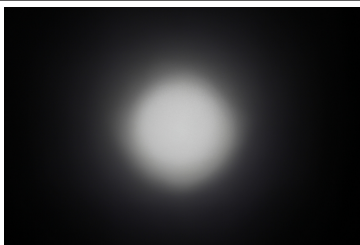


See also our general installation guide: www.ledil.com/installation_guide

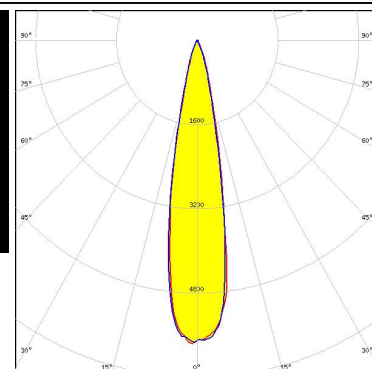
OPTICAL RESULTS (MEASURED):



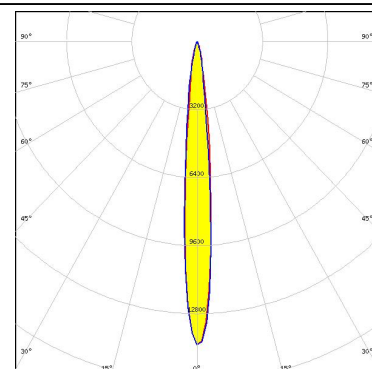
LED XB-H
FWHM / FWTM 15.0° / 27.0°
Efficiency 88 %
Peak intensity 10.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:

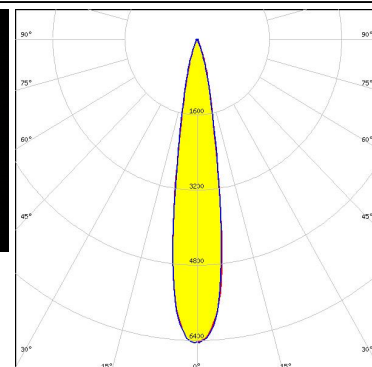
SAMSUNG

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



SEOUL SEMICONDUCTOR

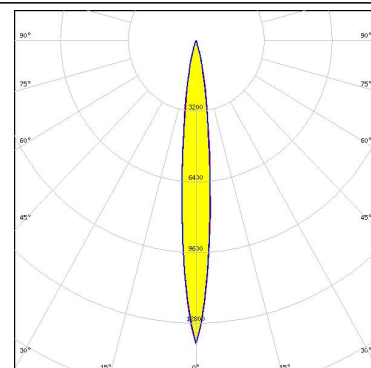
LED Z8Y22P
FWHM / FWTM 17.0° / 35.0°
Efficiency 85 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



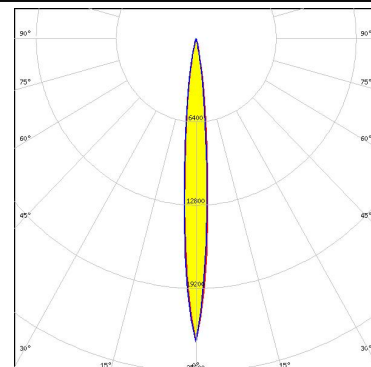
OPTICAL RESULTS (SIMULATED):



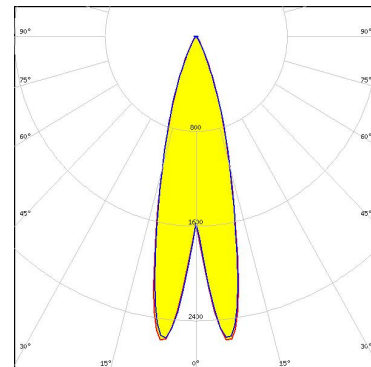
LED LUXEON C
FWHM / FWTM 12.0° / 27.0°
Efficiency 87 %
Peak intensity 13.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



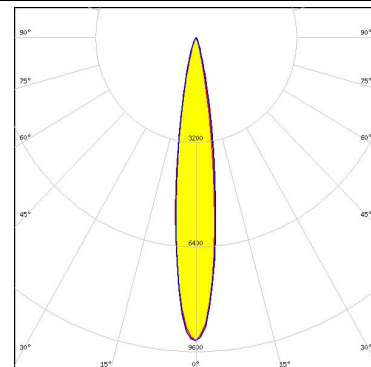
LED LUXEON CZ
FWHM / FWTM 10.0° / 21.0°
Efficiency 92 %
Peak intensity 23.3 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



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:



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:

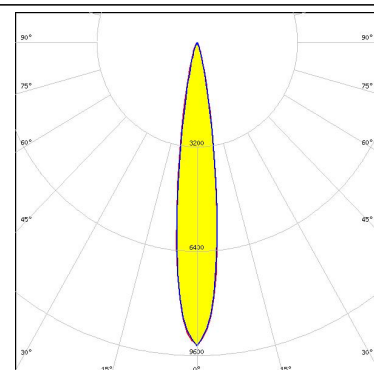


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

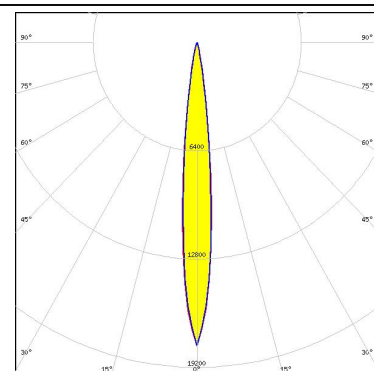
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 16.0° / 30.0°
Efficiency 91 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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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