

TINA-D

~16° diffused spot beam optimized for LUXEON Rebel. Assembly with holder, installation tape and location pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

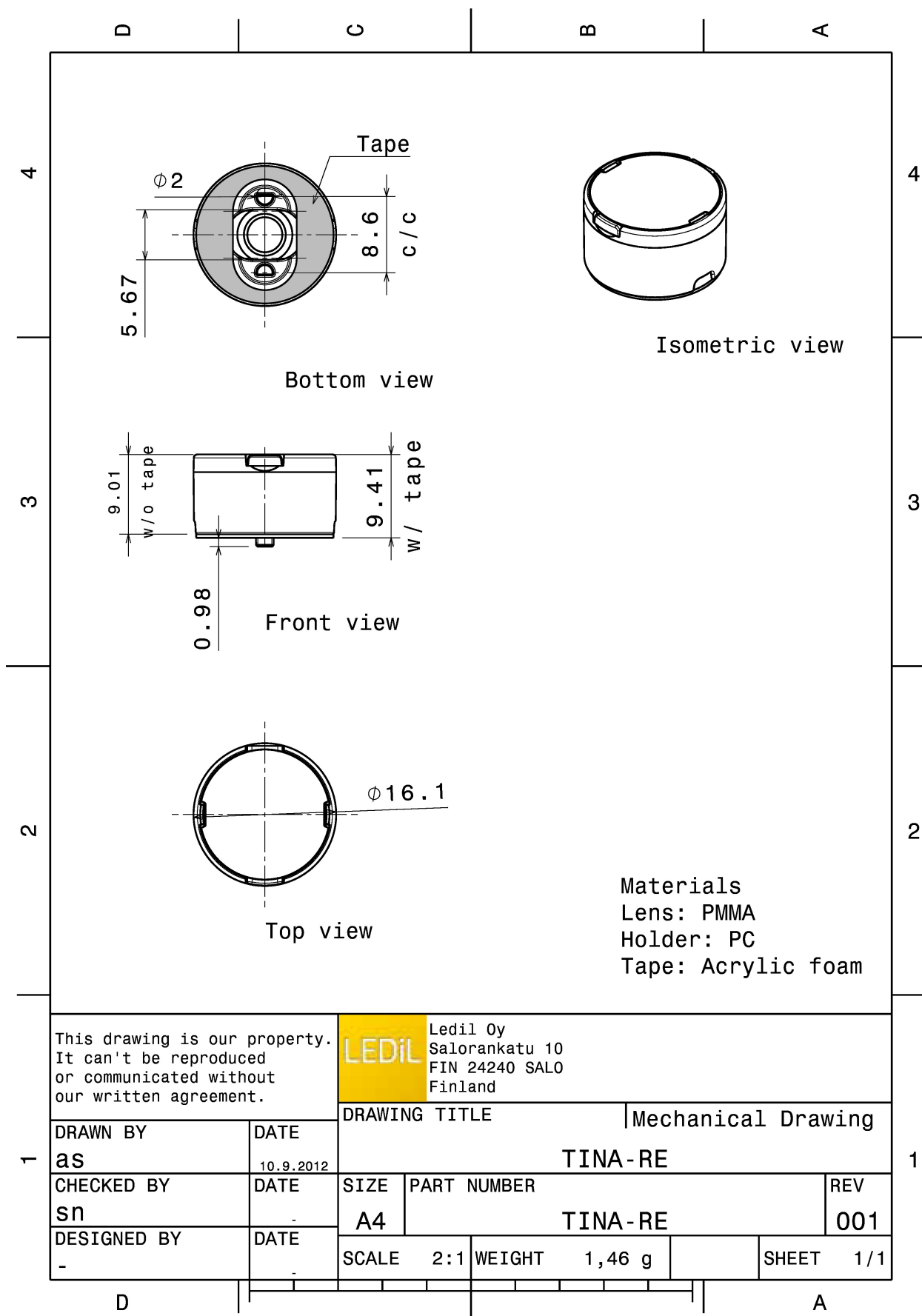


MATERIALS:

Component	Type	Material	Colour	Finish
TINA-D	Single lens	PMMA	clear	
TINA-H-TAPE-RE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11209_TINA-D	Single lens	2016	288	144	4.0
» Box size:					

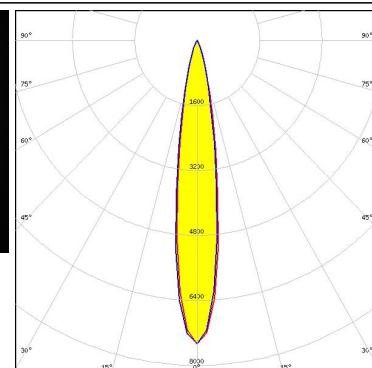
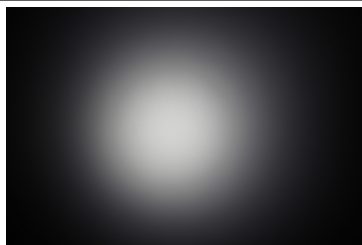


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



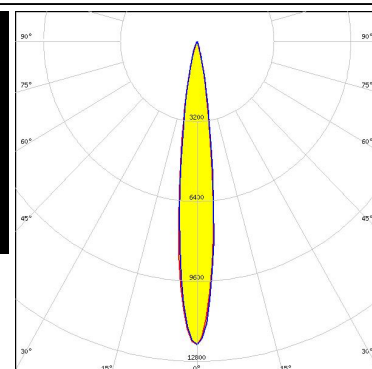
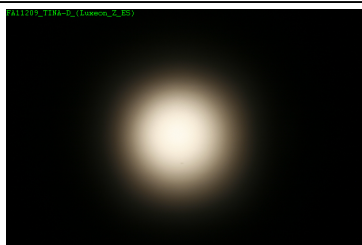
LED XB-H
FWHM / FWTM 17.0° / 35.0°
Efficiency 87 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON Rebel
FWHM / FWTM 15.0° / 34.0°
Efficiency 92 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



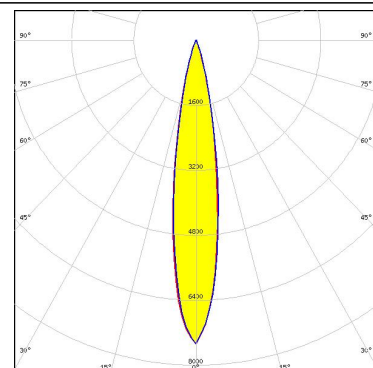
LED LUXEON Z ES
FWHM / FWTM 14.0° / 28.0°
Efficiency 89 %
Peak intensity 12 cd/lm
LEDs/each optic 1
Light colour White
Required components:



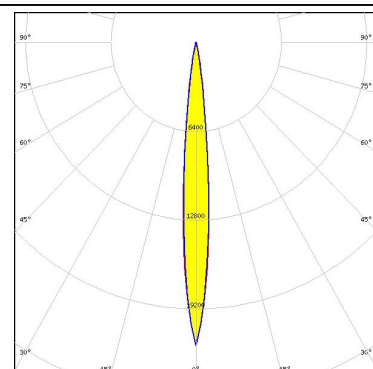
OPTICAL RESULTS (SIMULATED):



LED XB-D
FWHM / FWTM 18.0° / 34.0°
Efficiency 89 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

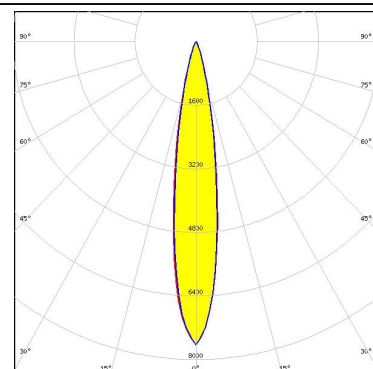


LED LUXEON HL1Z
FWHM / FWTM 10.0° / 20.0°
Efficiency 90 %
Peak intensity 21.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



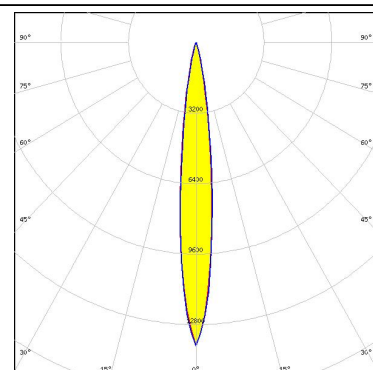
Opto Semiconductors

LED Duris E 2835
FWHM / FWTM 17.0° / 34.0°
Efficiency 92 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Opto Semiconductors

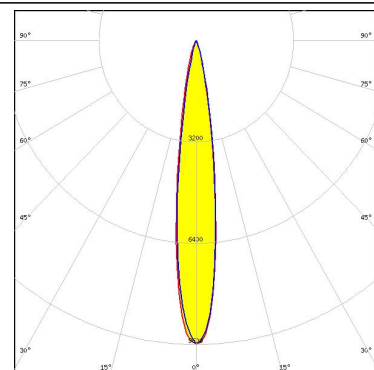
LED OSLOX Signal
FWHM / FWTM 12.0° / 26.0°
Efficiency 92 %
Peak intensity 13.8 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



OPTICAL RESULTS (SIMULATED):

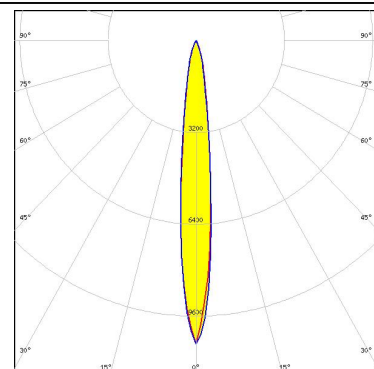
OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 15.0° / 30.0°
Efficiency 92 %
Peak intensity 9.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 12.0° / 30.0°
Efficiency 90 %
Peak intensity 10.6 cd/lm
LEDs/each optic 1
Light colour Far Red
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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