

TINA-O

~35° x 15° oval 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 ⓘ

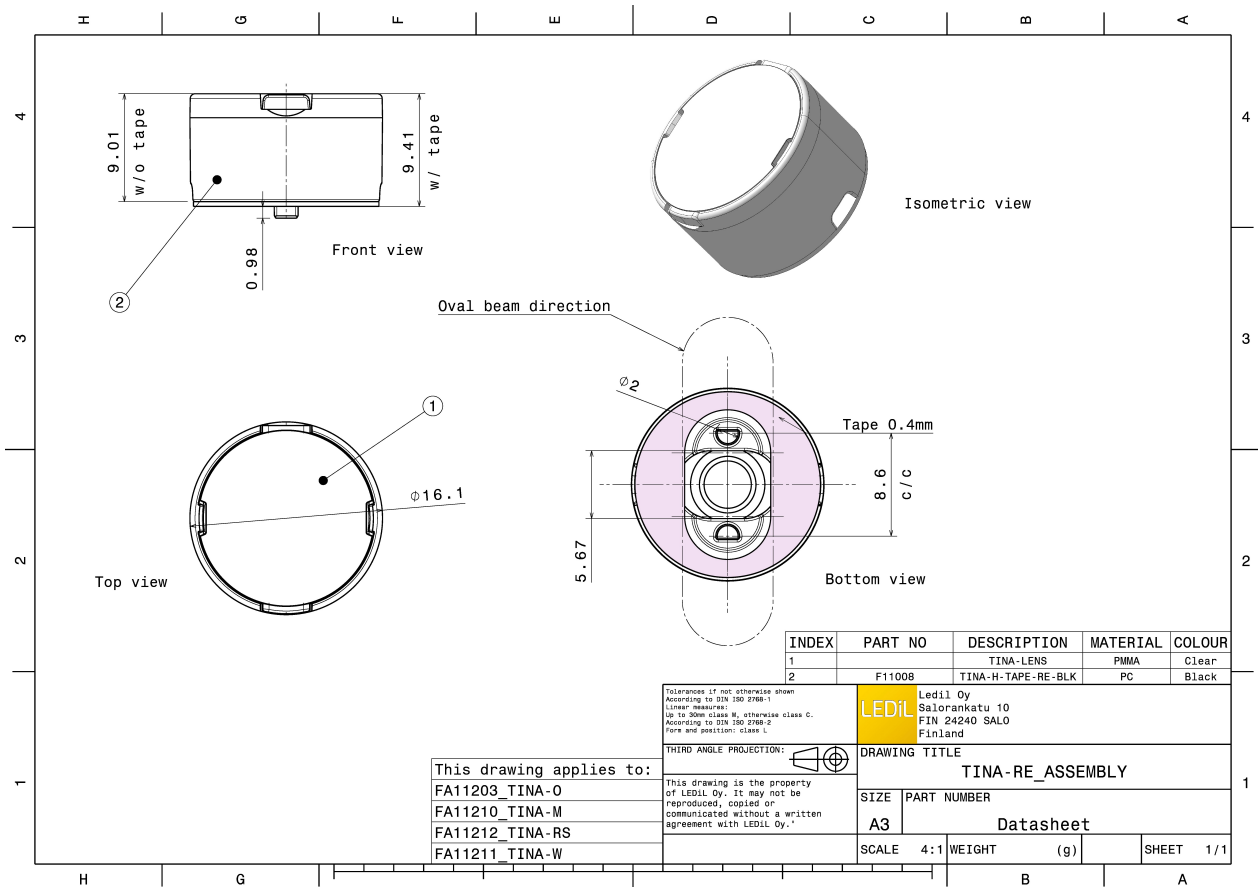


MATERIALS:

Component	Type	Material	Colour	Finish
TINA-XP-O	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)
FA11203_TINA-O	Single lens	2016	288	144	4.1
» Box size:					

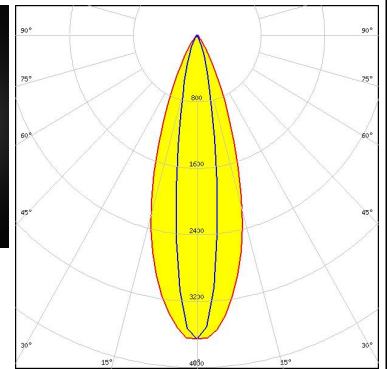
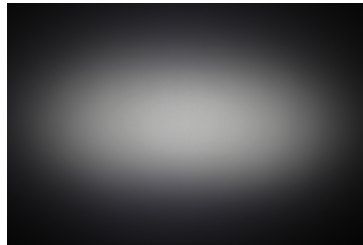


See also our general installation guide: www.ledil.com/installation_guide

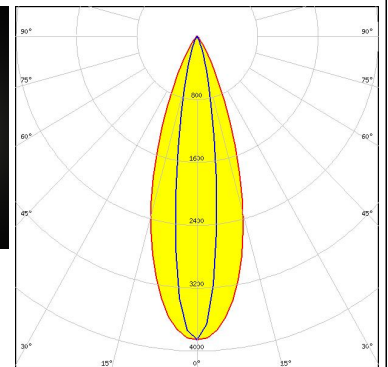
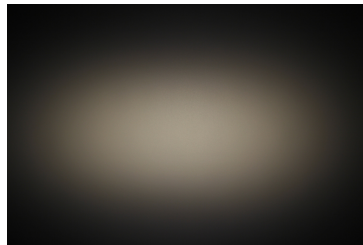
OPTICAL RESULTS (MEASURED):



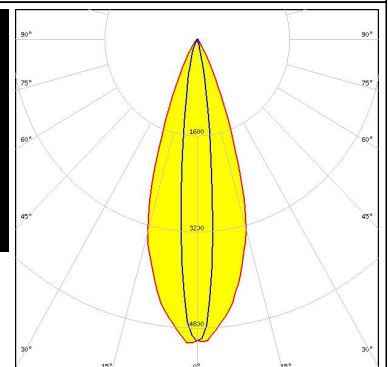
LED XB-H
FWHM / FWTM 35.0 + 17.0° / 61.0 + 38.0°
Efficiency 83 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON Rebel
FWHM / FWTM 34.0 + 18.0° / 64.0 + 42.0°
Efficiency 89 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON TX
FWHM / FWTM 36.0 + 17.0° / 61.0 + 36.0°
Efficiency 84 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

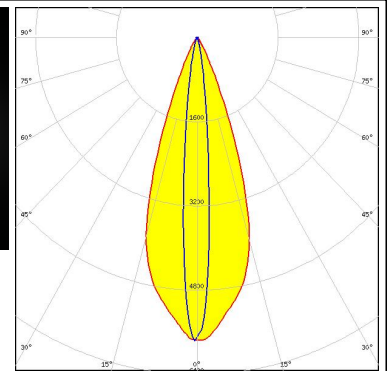


LED LUXEON Z ES
FWHM / FWTM 36.0 + 13.0° / 57.0 + 28.0°
Efficiency 85 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

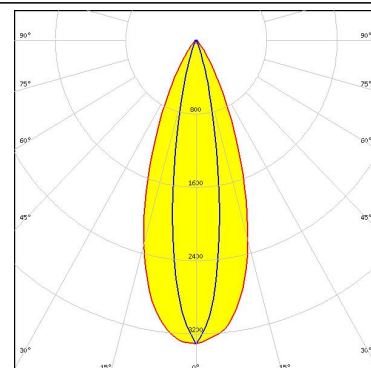
LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 37.0 + 10.0° / 55.0 + 23.0°
Efficiency 85 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



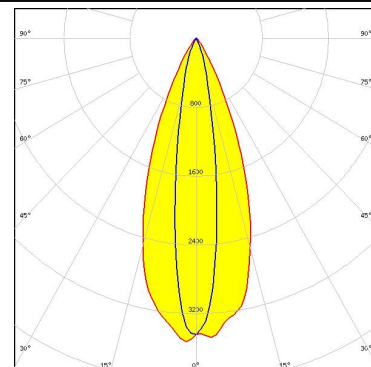
OPTICAL RESULTS (SIMULATED):



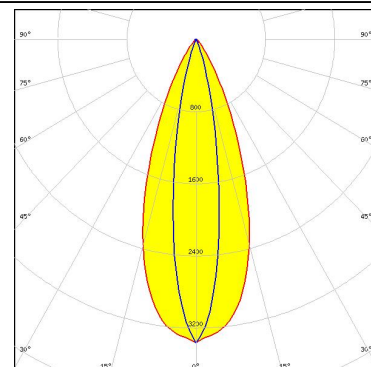
LED XB-D
FWHM / FWTM 39.0 + 18.0° / 67.0 + 36.0°
Efficiency 87 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON H50-2
FWHM / FWTM 16.0 + 40.0° / 36.0 + 64.0°
Efficiency 89 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON HL2Z
FWHM / FWTM 40.0 + 18.0° / 68.0 + 36.0°
Efficiency 89 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



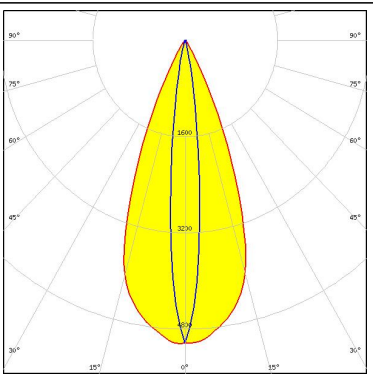
LED LUXEON T
FWHM / FWTM 40.0 + 16.0° / 65.0 + 36.0°
Efficiency 89 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



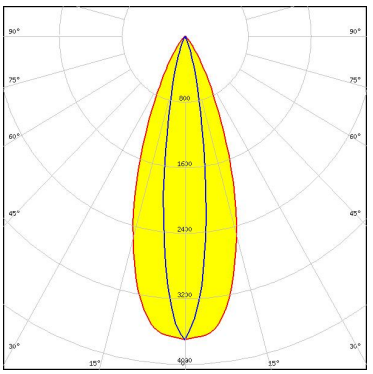
OPTICAL RESULTS (SIMULATED):



LED NCSxE17A
FWHM / FWTM 42.0 + 12.0° / 60.0 + 24.0°
Efficiency 90 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 38.0 + 16.0° / 66.0 + 35.0°
Efficiency 89 %
Peak intensity 3.7 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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