

TINA3-W

~40° wide beam optimized for CREE XP-E.
Assembly with holder, installation tape and
location pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	7.3 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

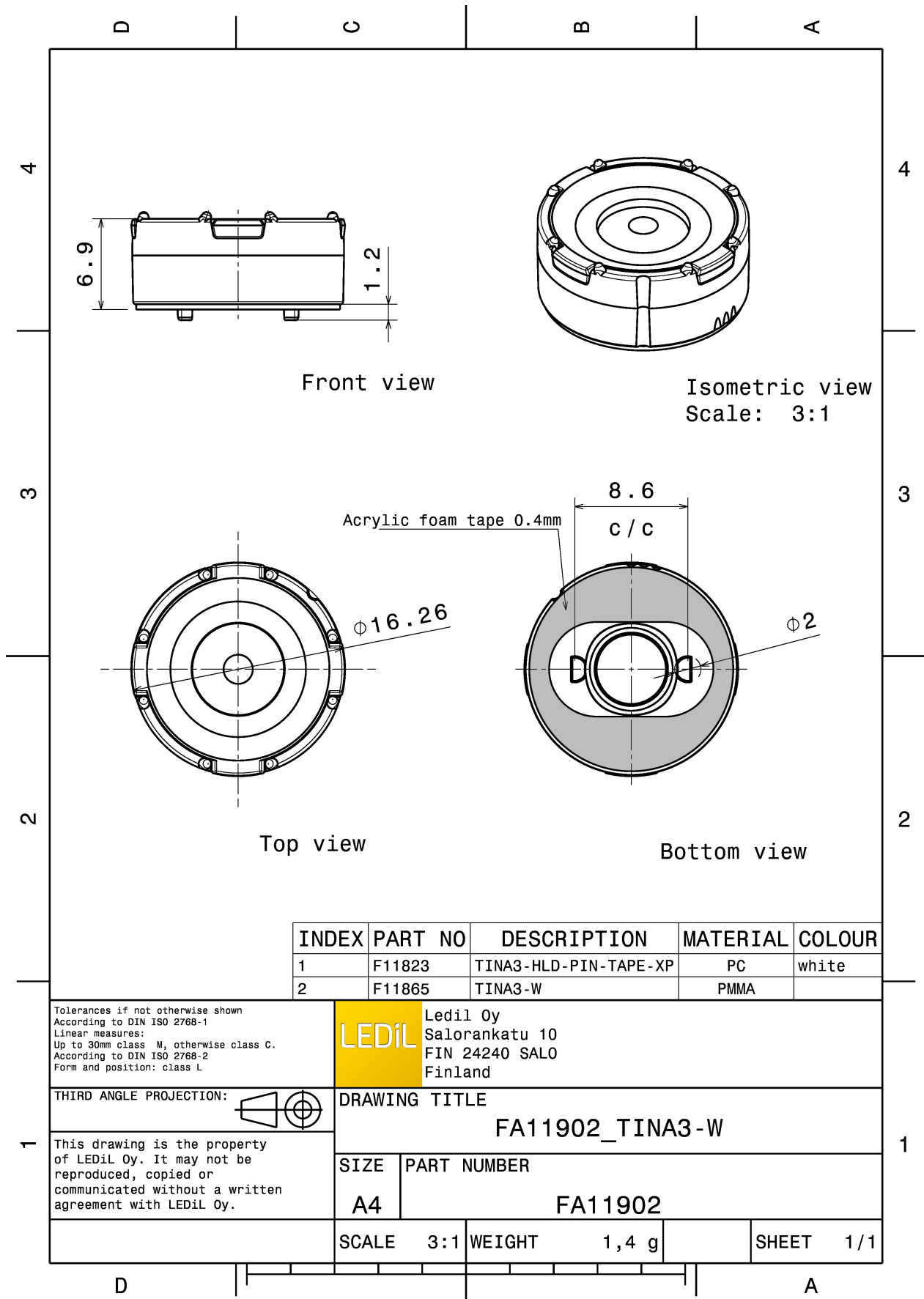


MATERIALS:

Component	Type	Material	Colour	Finish
TINA3-W	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11902_TINA3-W	Single lens	2016	288	288	3.5
» Box size: 470 x 240 x 105 mm					

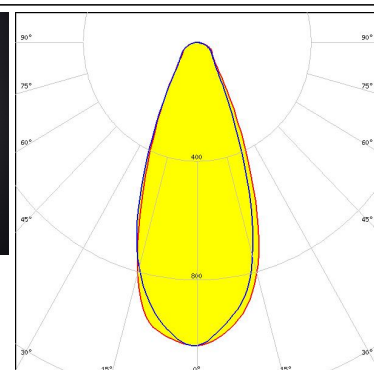
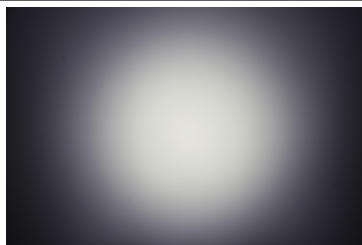


See also our general installation guide: www.ledil.com/installation_guide

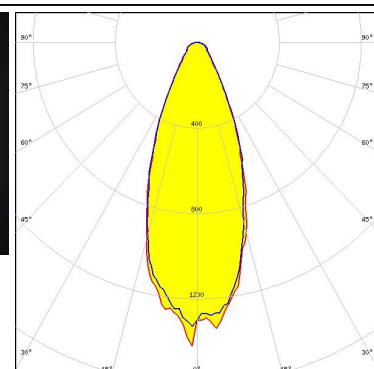
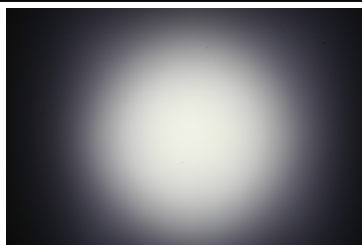
OPTICAL RESULTS (MEASURED):



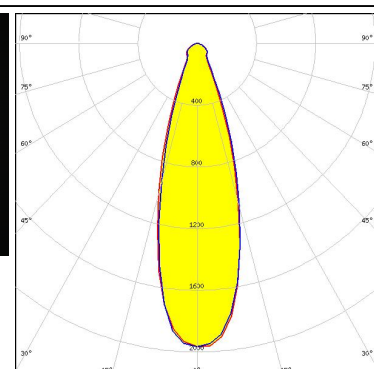
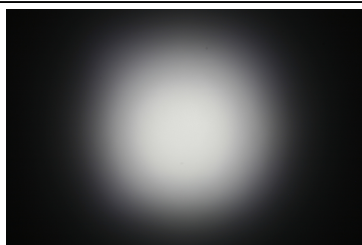
LED XM-L
FWHM / FWTM 43.0° / 82.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



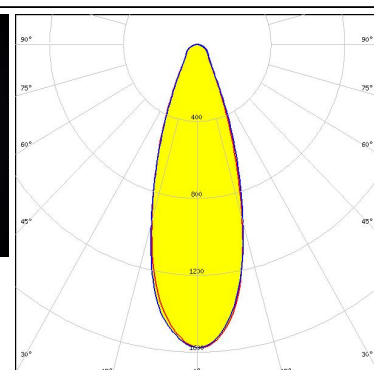
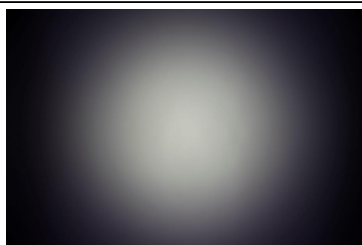
LED XM-L2
FWHM / FWTM 38.0° / 70.0°
Efficiency 91 %
LEDs/each optic 1
Light colour White
Required components:



LED XP-G2
FWHM / FWTM 32.0° / 58.0°
Efficiency 89 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



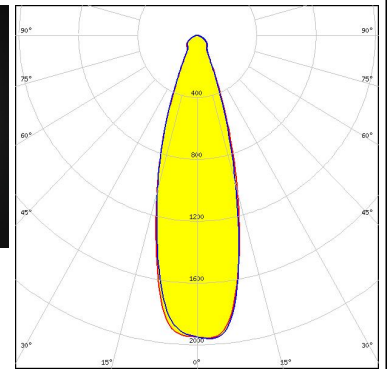
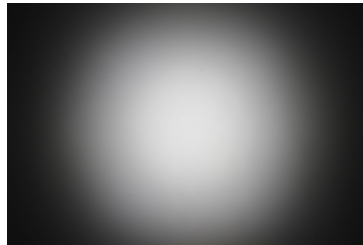
LED XP-L HD
FWHM / FWTM 34.0° / 68.0°
Efficiency 89 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



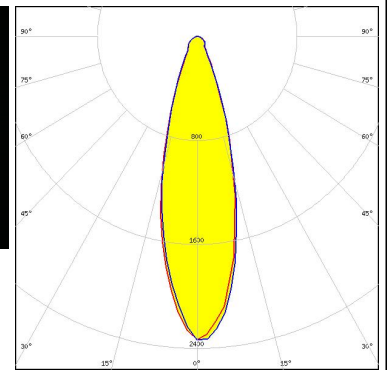
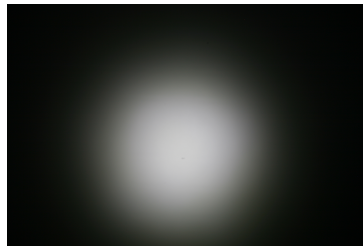
OPTICAL RESULTS (MEASURED):



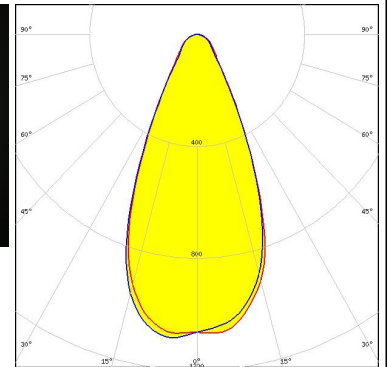
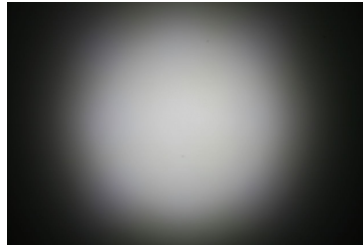
LED XP-L HI
FWHM / FWTM 31.0° / 57.0°
Efficiency 91 %
Peak intensity 2 cd/1m
LEDs/each optic 1
Light colour White
Required components:



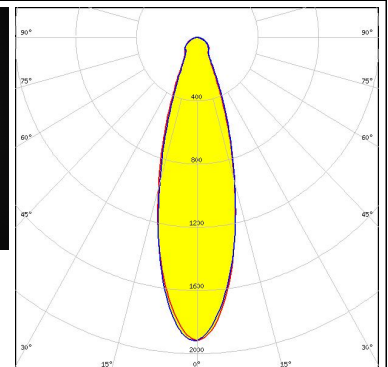
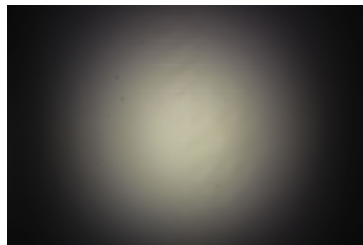
LED XT-E
FWHM / FWTM 30.0° / 57.0°
Efficiency 92 %
Peak intensity 2.3 cd/1m
LEDs/each optic 1
Light colour White
Required components:



LED NS9x383
FWHM / FWTM 48.0° / 85.0°
Efficiency 90 %
Peak intensity 1.1 cd/1m
LEDs/each optic 1
Light colour White
Required components:



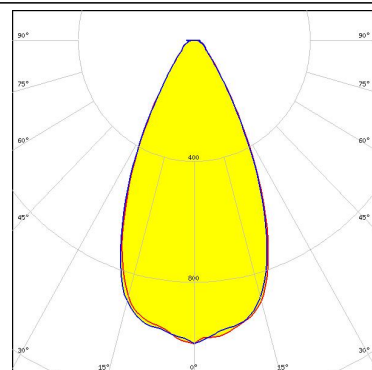
LED NVSU333A
FWHM / FWTM 30.0° / 60.0°
Efficiency 94 %
Peak intensity 1.9 cd/1m
LEDs/each optic 1
Light colour White
Required components:



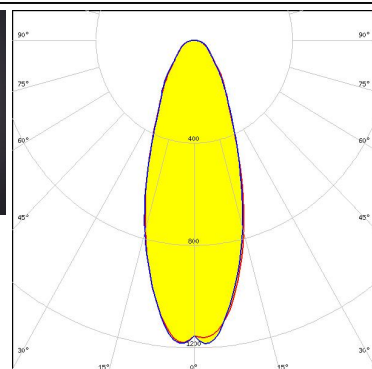
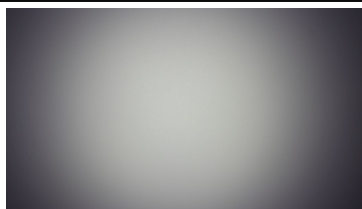
OPTICAL RESULTS (SIMULATED):



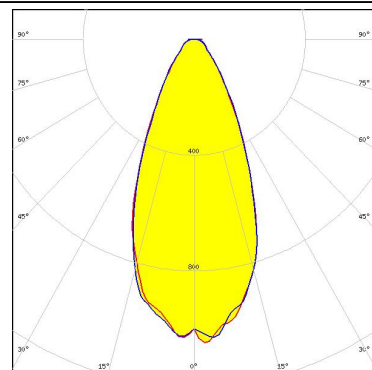
LED XD16
FWHM / FWTM 52.0° / 86.0°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 4
Light colour White
Required components:



LED XHP35 HD
FWHM / FWTM 38.0° / 89.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP35.2 HD
FWHM / FWTM 46.0° / 89.0°
Efficiency 86 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

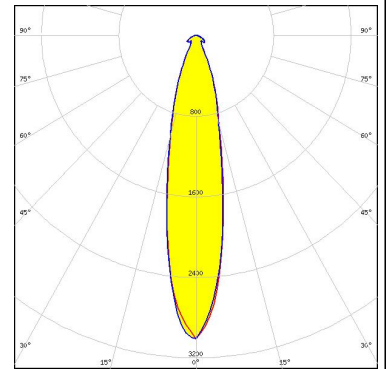


LED XM-L HVW
FWHM / FWTM 50.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

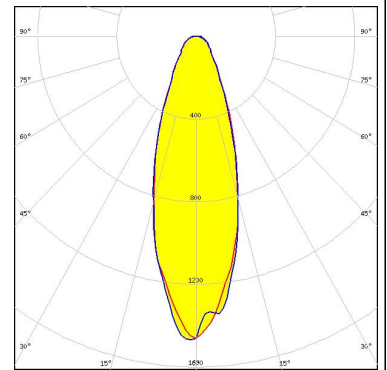
OPTICAL RESULTS (SIMULATED):



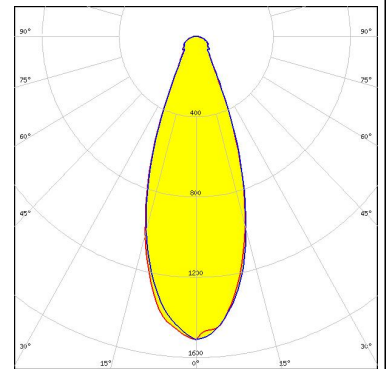
LED XP-E2
FWHM / FWTM 22.0° / 50.0°
Efficiency 96 %
Peak intensity 3 cd/Im
LEDs/each optic 1
Light colour White
Required components:



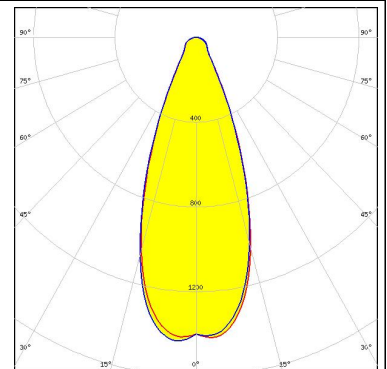
LED XP-G3
FWHM / FWTM 33.0° / 77.0°
Efficiency 90 %
Peak intensity 1.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON HL2X
FWHM / FWTM 38.0° / 67.0°
Efficiency 92 %
Peak intensity 1.5 cd/Im
LEDs/each optic 1
Light colour White
Required components:



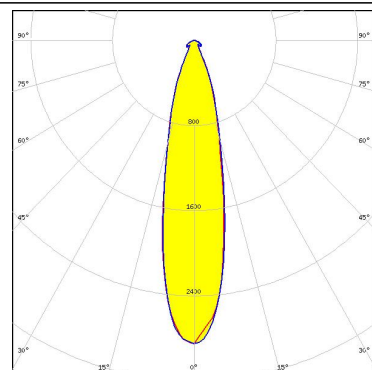
LED NVSW3x9A
FWHM / FWTM 40.0° / 70.0°
Efficiency 91 %
Peak intensity 1.4 cd/Im
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

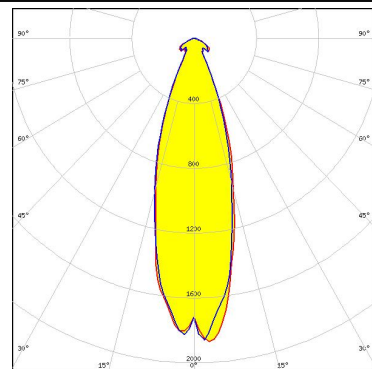
OSRAM Opto Semiconductors

LED OSLON Signal
FWHM / FWTM 24.0° / 52.0°
Efficiency 90 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



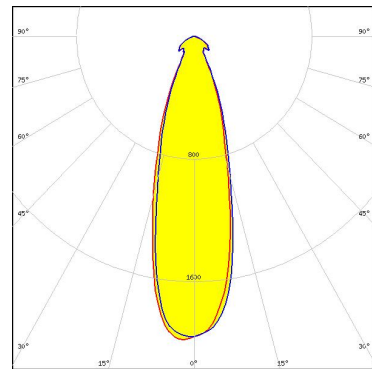
OSRAM Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 31.0° / 56.0°
Efficiency 90 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour Far Red
Required components:



OSRAM Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 30.0° / 57.0°
Efficiency 94 %
Peak intensity 2 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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