



**THE DATASHEET OF
FA11902_TINA3-W**



TINA3-W

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

SPECIFICATION:

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

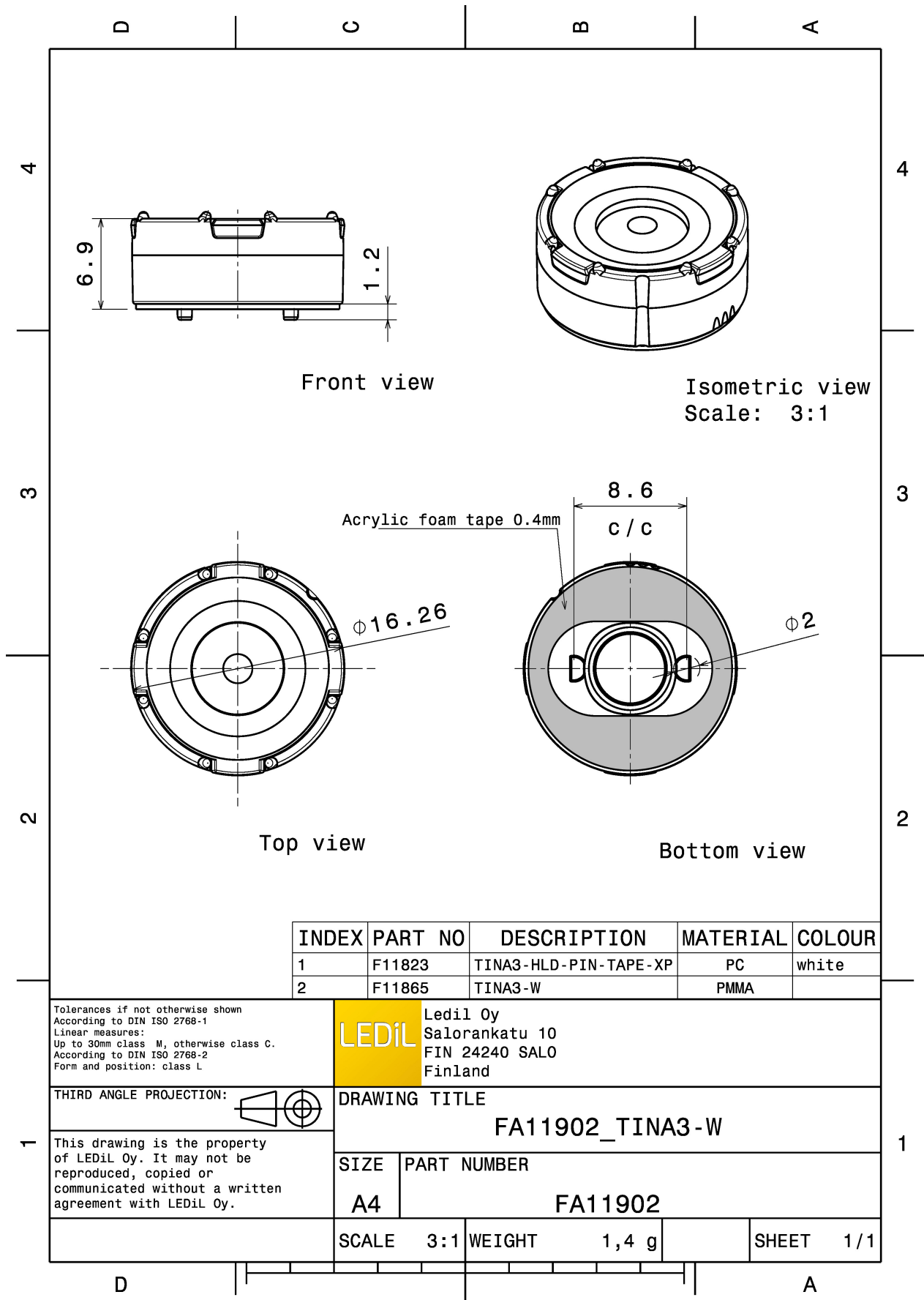


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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 » Box size: 470 x 240 x 105 mm	2016	288	288	3.5

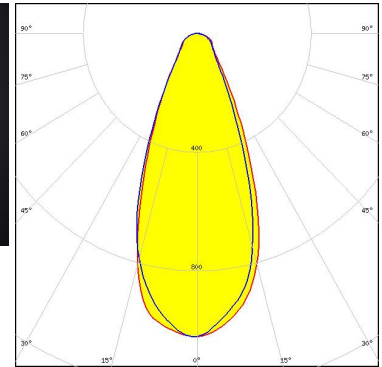
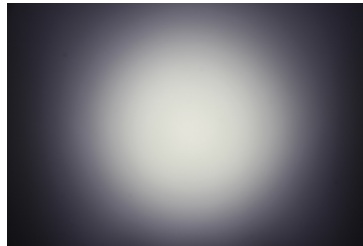


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



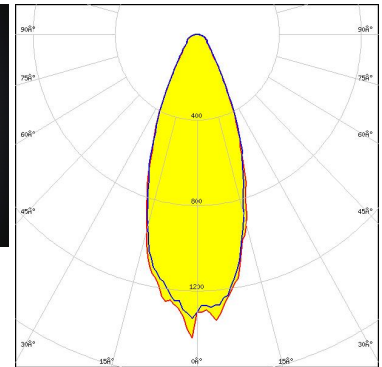
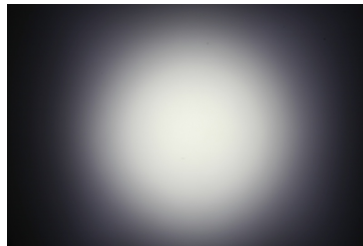
LED XM-L
 FWHM / FWTM 43.0° / 82.0°
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



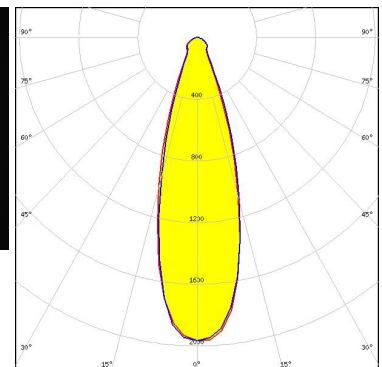
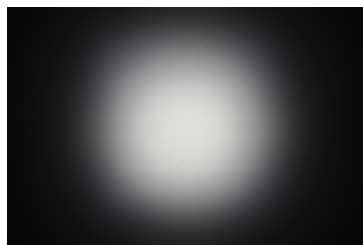
LED XM-L2
 FWHM / FWTM 38.0° / 70.0°
 Efficiency 91 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

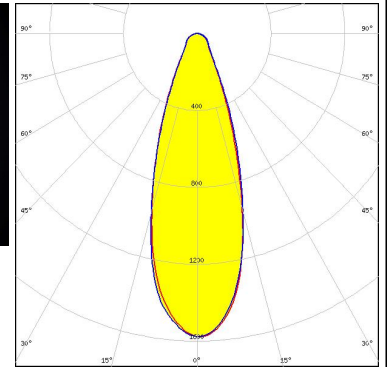
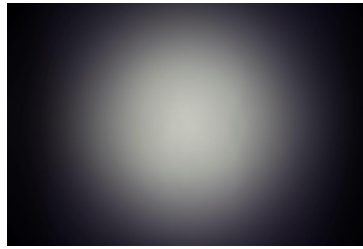


Light distribution files

OPTICAL RESULTS (MEASURED):



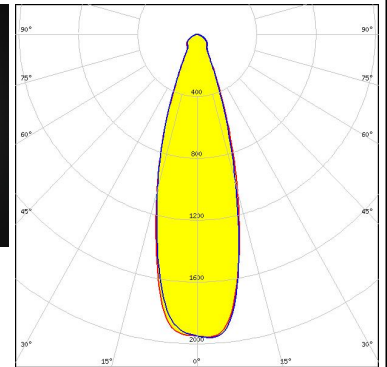
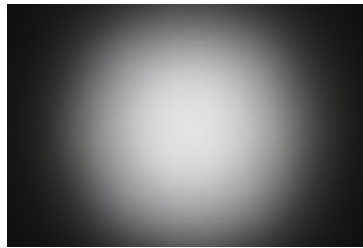
LED XP-L HD
 FWHM / FWTM 34.0° / 68.0°
 Efficiency 89 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



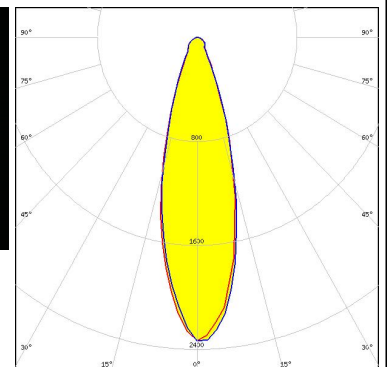
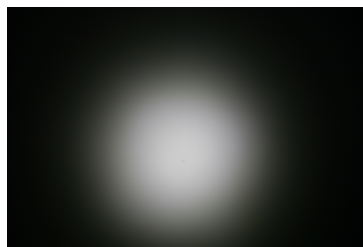
LED XP-L HI
 FWHM / FWTM 31.0° / 57.0°
 Efficiency 91 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

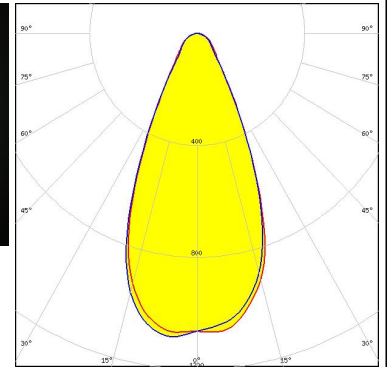


Light distribution files

OPTICAL RESULTS (MEASURED):



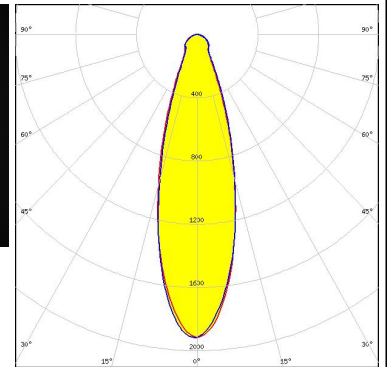
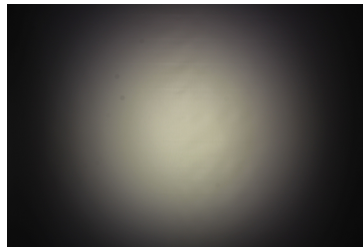
LED NS9x383
FWHM / FWTM 48.0° / 85.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

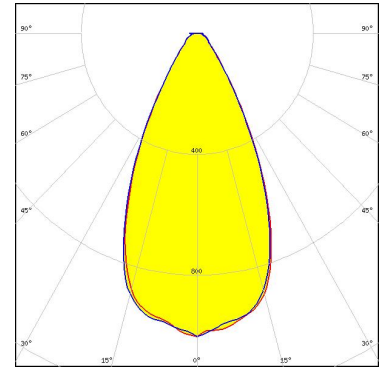


Light distribution files

OPTICAL RESULTS (SIMULATED):



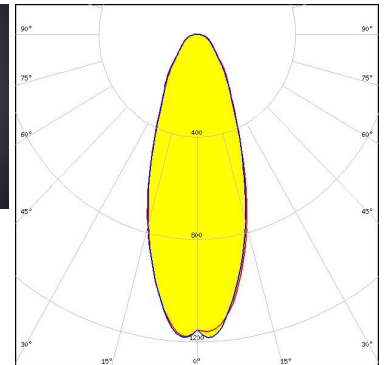
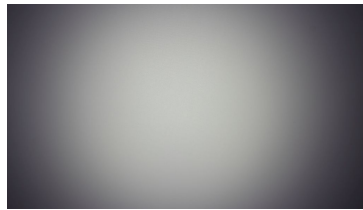
LED XD16
FWHM / FWTM 52.0° / 86.0°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 4
Light colour/type White
Required components:



Light distribution files



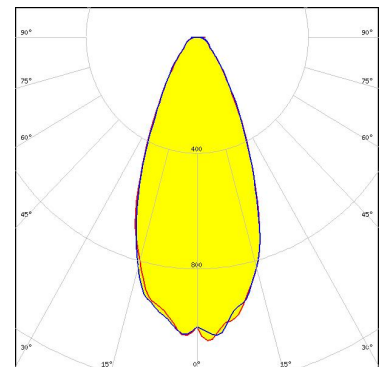
LED XHP35 HD
FWHM / FWTM 38.0° / 89.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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



Light distribution files

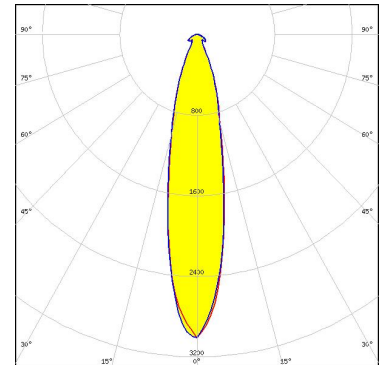
OPTICAL RESULTS (SIMULATED):



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



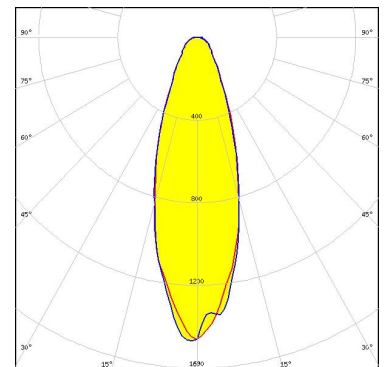
LED XP-E2
FWHM / FWTM 22.0° / 50.0°
Efficiency 96 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

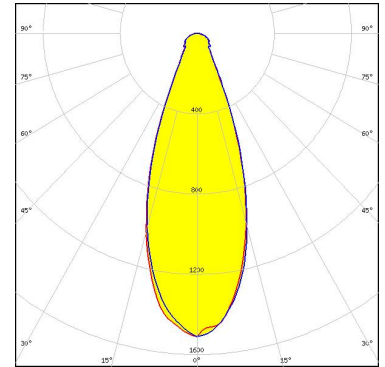


Light distribution files

OPTICAL RESULTS (SIMULATED):



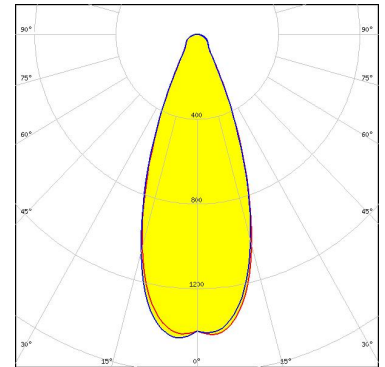
LED LUXEON HL2X
FWHM / FWTM 38.0° / 67.0°
Efficiency 92 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



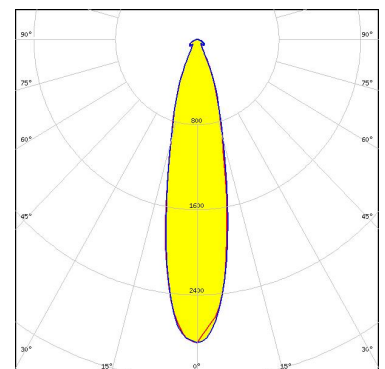
LED NVSW3x9A
FWHM / FWTM 40.0° / 70.0°
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

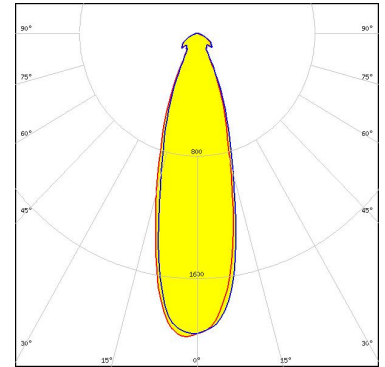


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

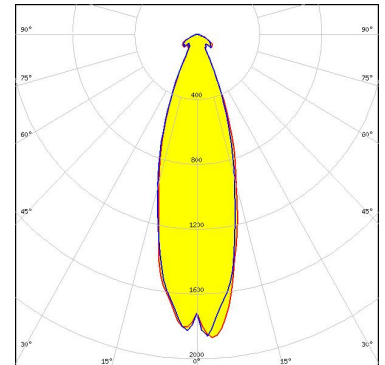
LED OSLON SSL 80
FWHM / FWTM 30.0° / 57.0°
Efficiency 94 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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/type Far Red
Required components:



Light distribution files

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:

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