

TINA-WW

~60° wide beam optimized for CREE XP-E.
Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 16.1
Height	9.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

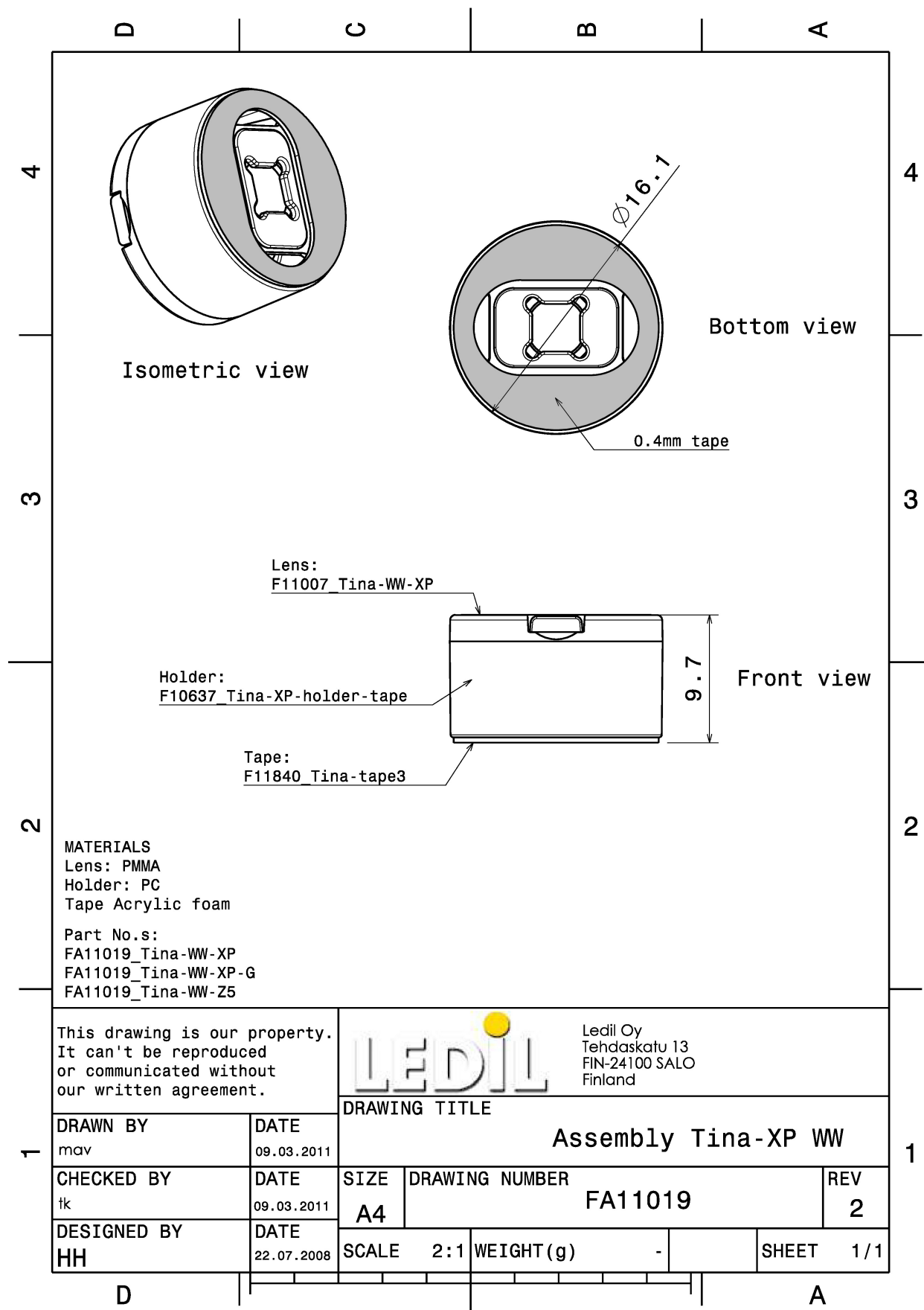


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-WW-XP	Single lens	PMMA	clear		
TINA-XP-H-TAPE-WHT	Holder	PC	white		
TINA-TAPE3	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA11019_TINA-WW	2016	288	144	4.1
» Box size:				



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

OPTICAL RESULTS (MEASURED):

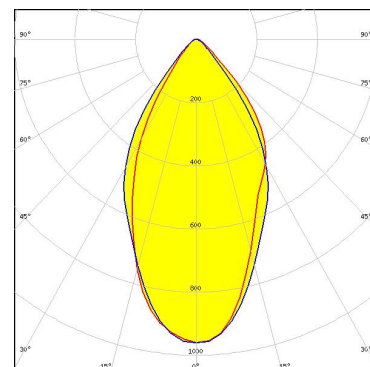


LED	XP-E
FWHM / FWTM	58.0° / 94.0°
Efficiency	93 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



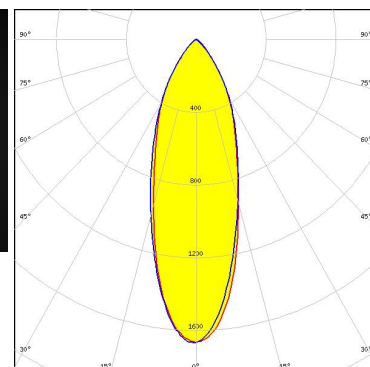
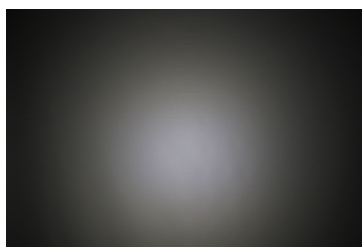
LED	XP-G
FWHM / FWTM	62.0° / 106.0°
Efficiency	91 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	LUXEON 2835 Architectural
FWHM / FWTM	35.0° / 79.0°
Efficiency	92 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

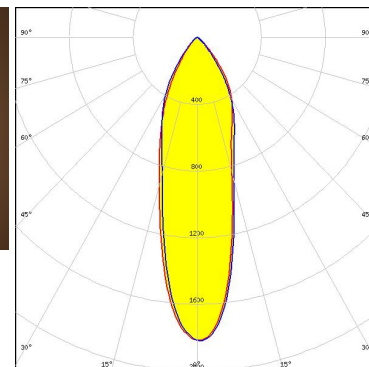
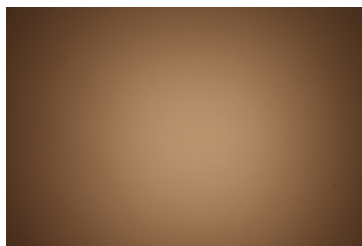


Light distribution files

OPTICAL RESULTS (MEASURED):



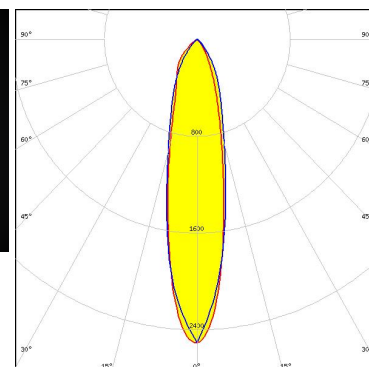
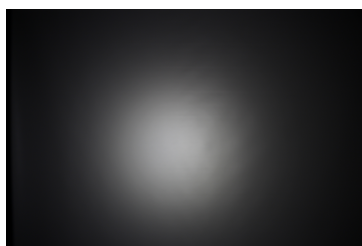
LED LUXEON Z ES
FWHM / FWTM 29.0° / 78.0°
Efficiency 91 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



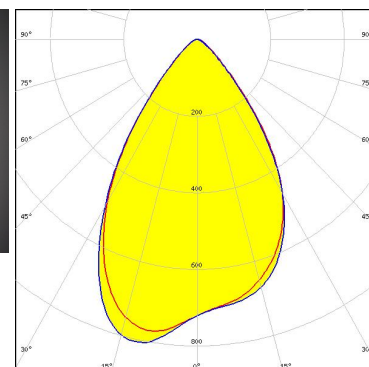
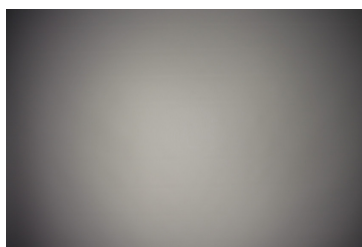
LED NCSxE17A
FWHM / FWTM 23.0° / 66.0°
Efficiency 86 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LH351B
FWHM / FWTM 67.0° / 98.0°
Efficiency 94 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

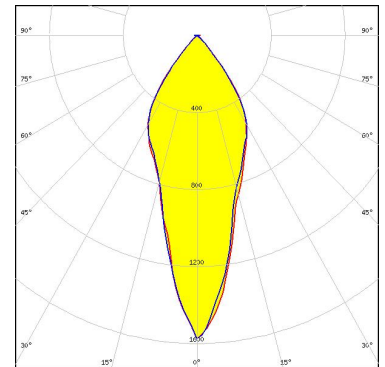


Light distribution files

OPTICAL RESULTS (SIMULATED):



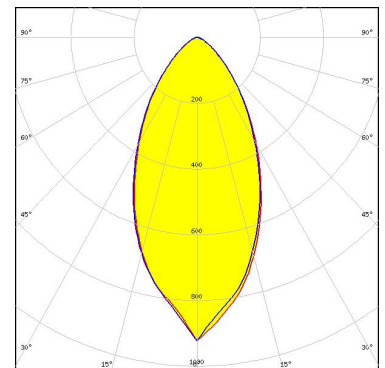
LED XQ-E HI
 FWHM / FWTM 32.0° / 82.0°
 Efficiency 96 %
 Peak intensity 1.6 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



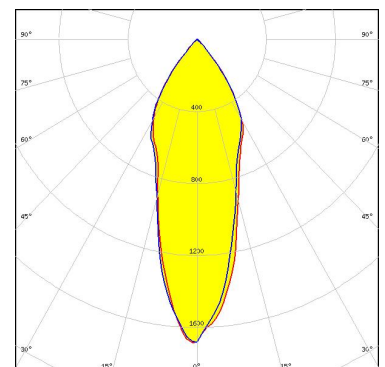
LED XT-E
 FWHM / FWTM 52.0° / 102.0°
 Efficiency %
 Peak intensity 0.9 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Z ES
 FWHM / FWTM 33.0° / 82.0°
 Efficiency 96 %
 Peak intensity 1.7 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

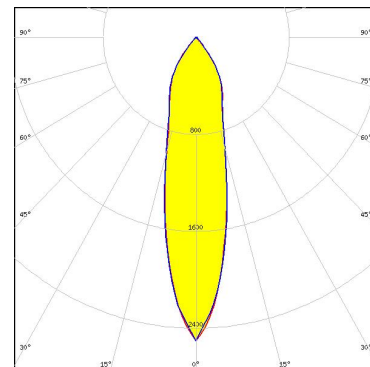


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED NCSxE17A
FWHM / FWTM 24.0° / 73.0°
Efficiency 94 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5
FWHM / FWTM 33.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
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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