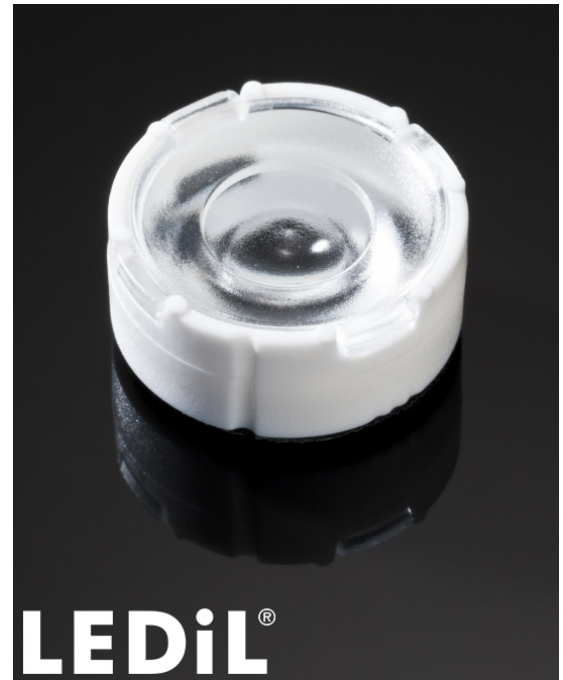


TINA3-WW

~55° wide beam optimized for CREE XP-E.
Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	7.1 mm
Fastening	pin, tape
ROHS compliant	yes ⓘ

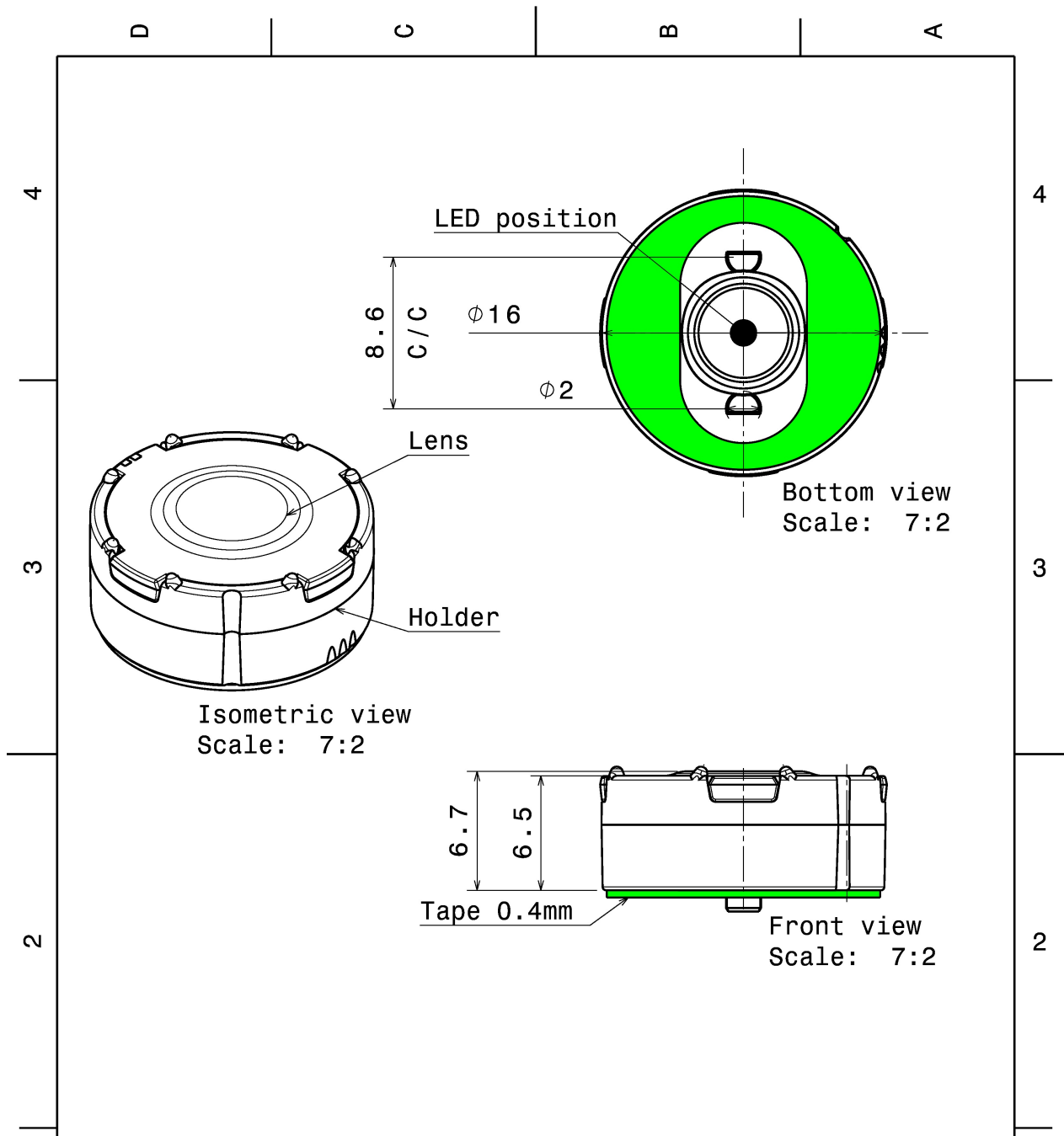


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA3-WW	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	PU tape	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11903_TINA3-WW	Single lens	2016	288	288	3.2
» Box size: 470 x 240 x 105 mm					



Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

LEDiL Ledil Oy
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Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
FA11903_TINA3-WW

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SIZE	PART NUMBER
A4	FA11903

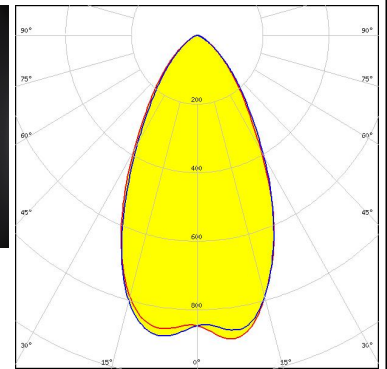
SCALE	7:2	WEIGHT	-	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

CREE

LED XM-L
 FWHM / FWTM 56.0° / 100.0°
 Efficiency 91 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



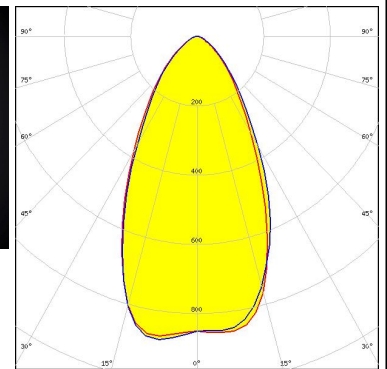
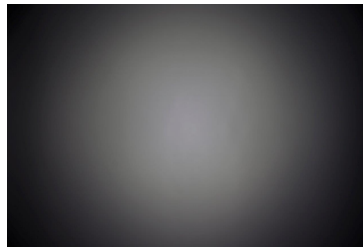
CREE

LED XM-L2
 FWHM / FWTM 56.0° / 101.0°
 Efficiency 89 %
 LEDs/each optic 1
 Light colour White
 Required components:



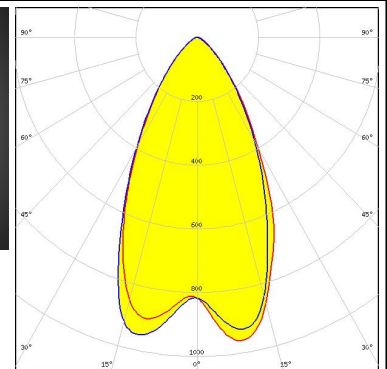
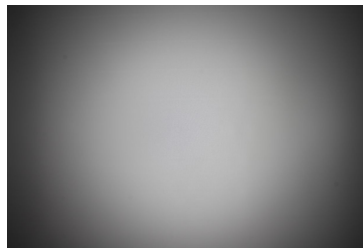
CREE

LED XP-L HD
 FWHM / FWTM 53.0° / 103.0°
 Efficiency 91 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

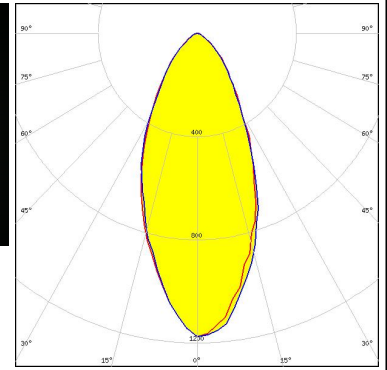
LED XP-L HI
 FWHM / FWTM 54.0° / 94.0°
 Efficiency 91 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



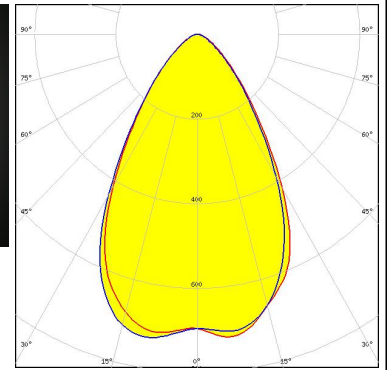
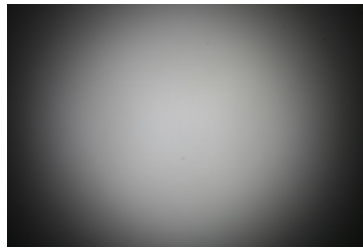
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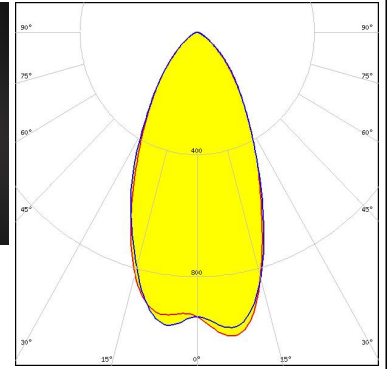
LED XT-E
 FWHM / FWTM 46.0° / 96.0°
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NS9x383
 FWHM / FWTM 65.0° / 108.0°
 Efficiency 90 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



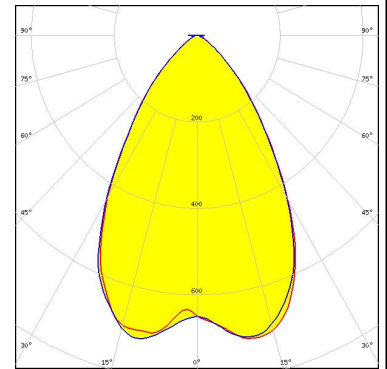
LED NVSW219F
 FWHM / FWTM 51.0° / 98.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):



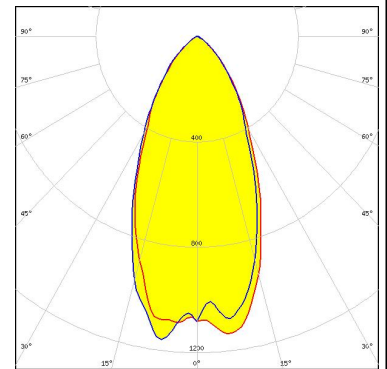
LED XD16
 FWHM / FWTM 61.0° / 101.0°
 Efficiency 91 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 4
 Light colour White
 Required components:



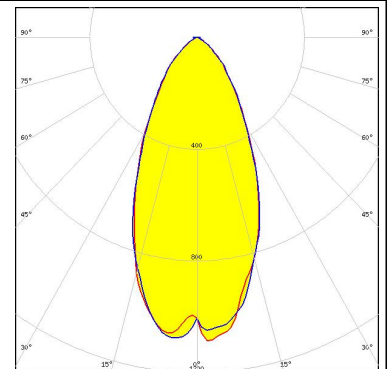
LED XM-L HVW
 FWHM / FWTM 62.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G2
 FWHM / FWTM 49.0° / 95.0°
 Efficiency 95 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G3
 FWHM / FWTM 48.0° / 96.0°
 Efficiency 92 %
 Peak intensity 1.1 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:

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