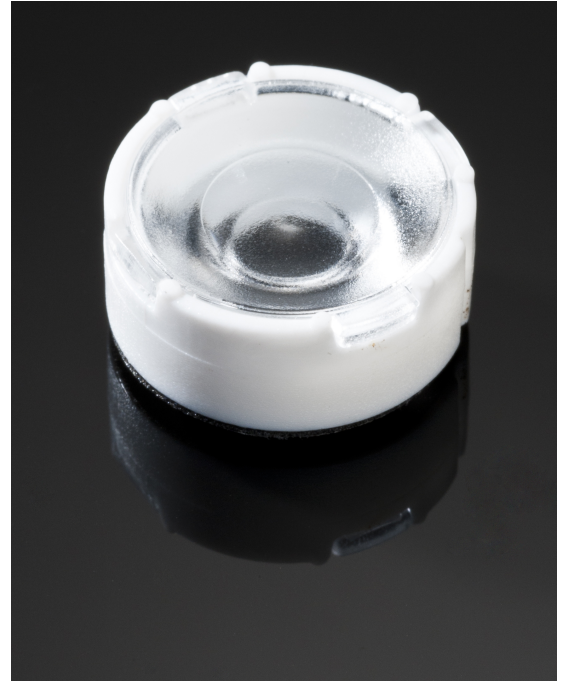


TINA3-WWW

~70° wide beam optimized for CREE XP-E.
Assembly with holder, installation tape and
location pins.

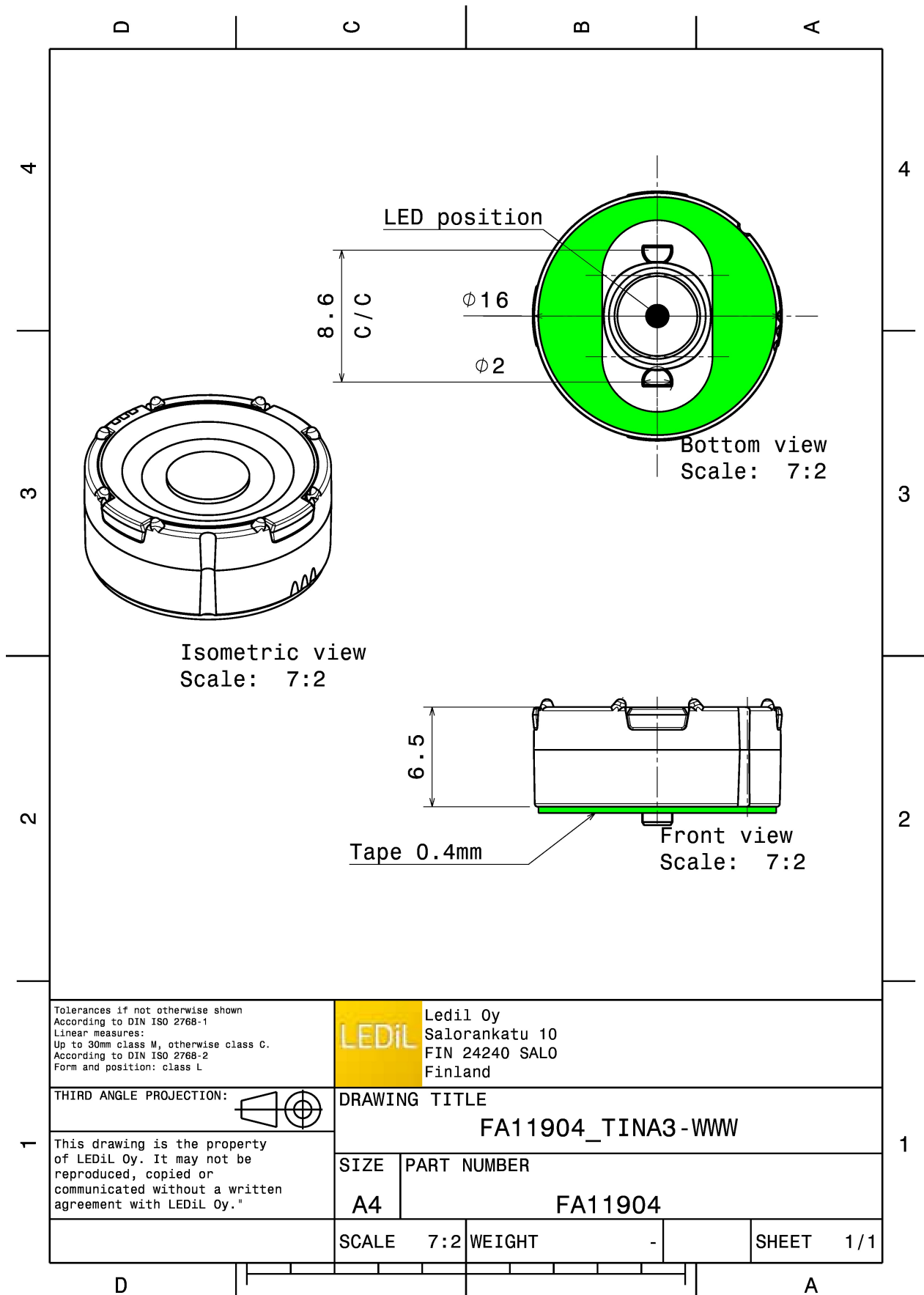
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	7 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	3 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

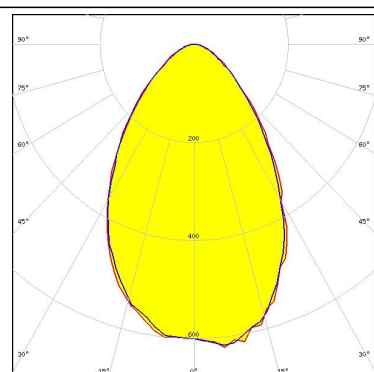
Component	Type	Material	Colour
TINA3-WWW	Single lens	PMMA	clear
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white
TINA-TAPE3	Tape	PU tape	black



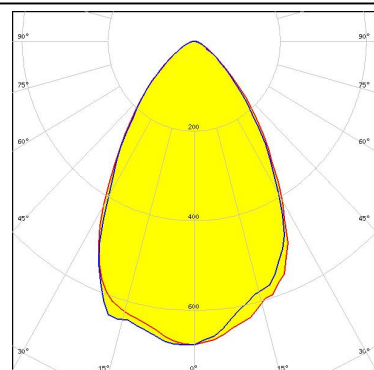
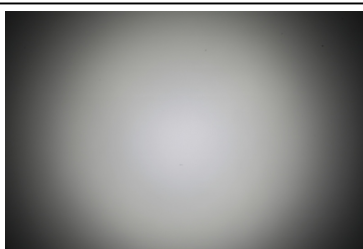
PHOTOMETRIC DATA (MEASURED):



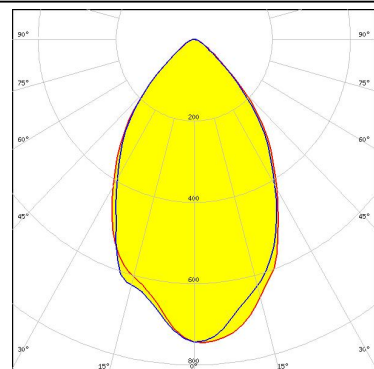
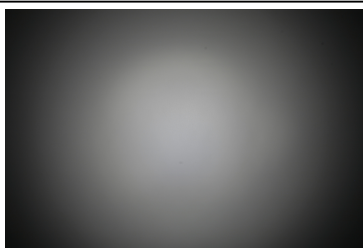
LED XM-L
FWHM 70.0°
Efficiency 89 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



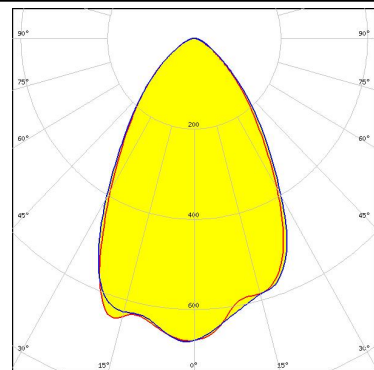
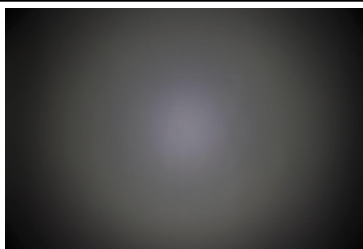
LED XM-L2
FWHM 71.0°
Efficiency 88 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-G2
FWHM 67.0°
Efficiency 90 %
Peak intensity 0.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



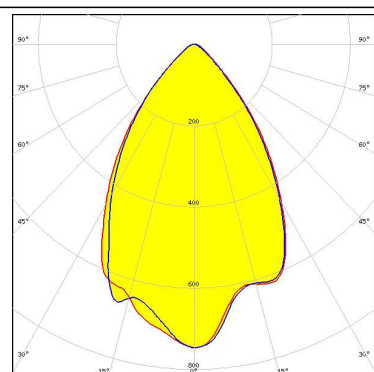
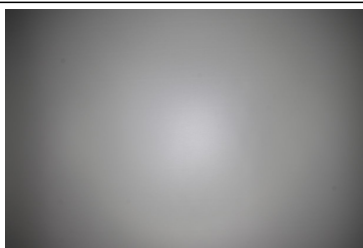
LED XP-L HD
FWHM 65.0°
Efficiency 89 %
Peak intensity 0.670 cd/lm
LEDs/each optic 1
Light colour White
Required components:



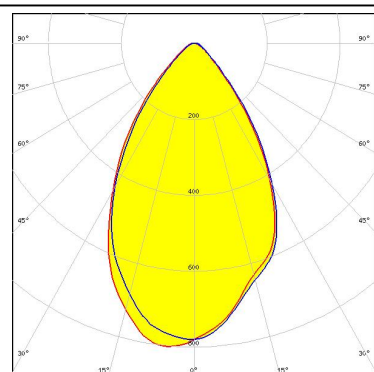
PHOTOMETRIC DATA (MEASURED):



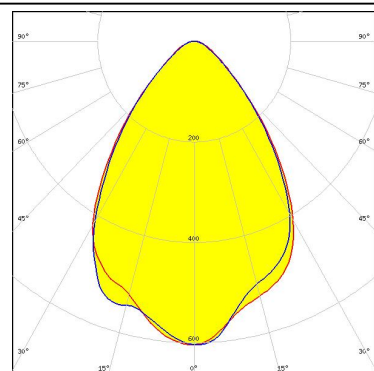
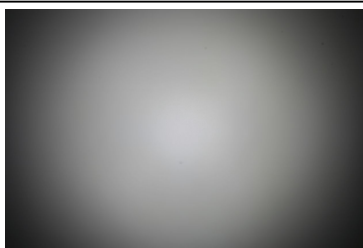
LED XP-L HI
FWHM 67.0°
Efficiency 90 %
Peak intensity 0.750 cd/lm
LEDs/each optic 1
Light colour White
Required components:



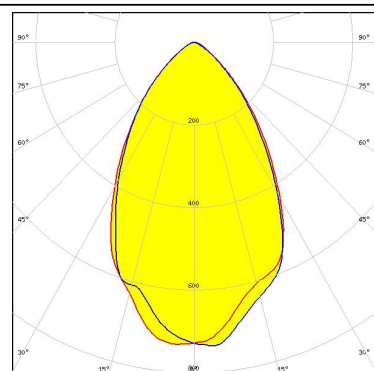
LED XT-E
FWHM 60.0°
Efficiency 88 %
Peak intensity 0.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NS9x383
FWHM 72.0°
Efficiency 87 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW219F
FWHM 64.0°
Efficiency 90 %
Peak intensity 0.740 cd/lm
LEDs/each optic 1
Light colour White
Required components:



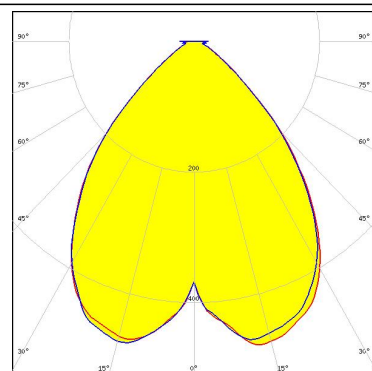
PHOTOMETRIC DATA (MEASURED):



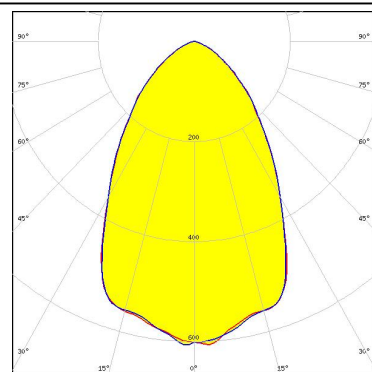
PHOTOMETRIC DATA (SIMULATED):



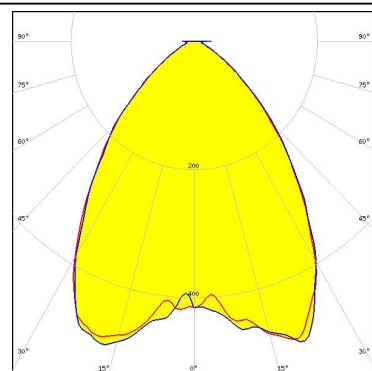
LED XD16
FWHM 77.0°
Efficiency 87 %
Peak intensity 0.520 cd/lm
LEDs/each optic 4
Light colour White
Required components:



LED XHP35 HD
FWHM 67.0°
Efficiency 84 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XHP35.2
FWHM 79.0°
Efficiency 86 %
Peak intensity 0.514 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XM-L HVW
FWHM 80.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (SIMULATED):



LED	NVSW3x9A
FWHM	79.0°
Efficiency	92 %
Peak intensity	0.557 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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