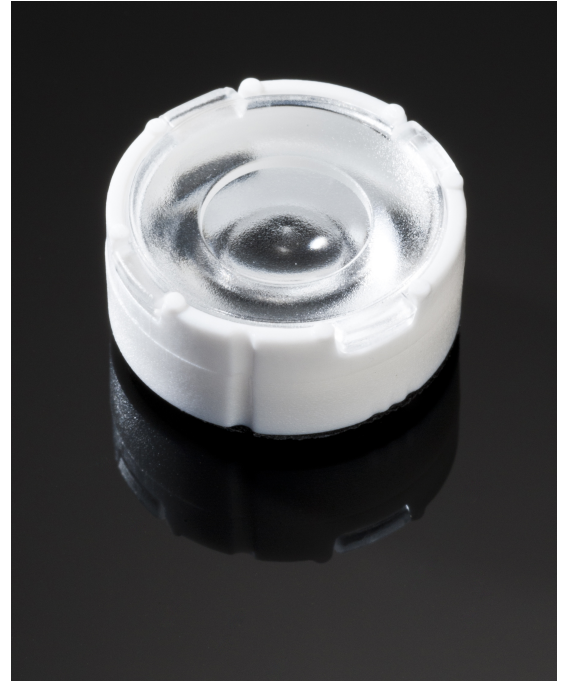


TINA3-WW

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

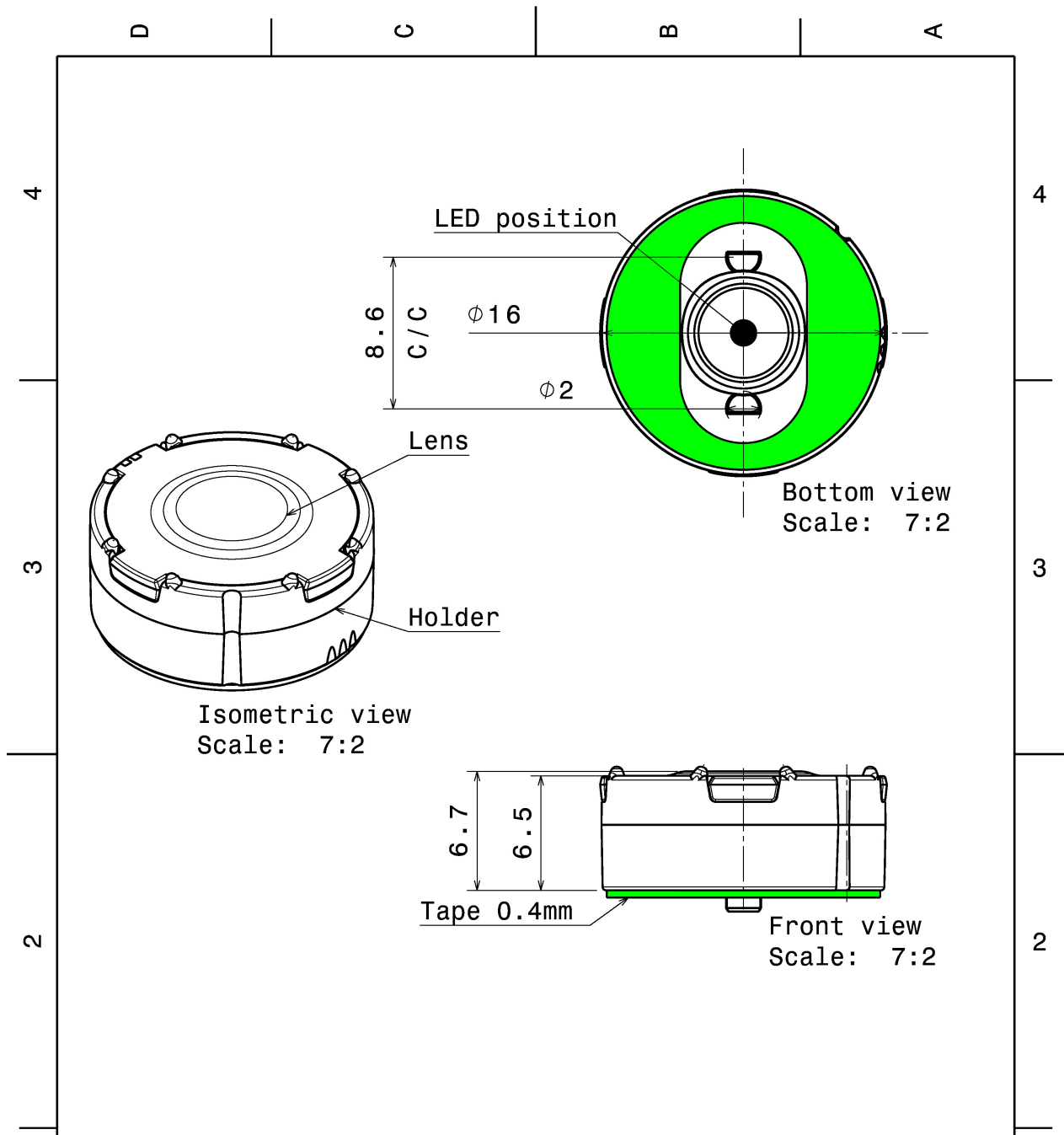
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	7.1 mm
Fastening	pin, tape
Colour	white
Box size	470 x 240 x 105 mm
Box weight	3.2 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

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



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-VV

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SIZE	PART NUMBER
A4	FA11903

SCALE	7:2	WEIGHT	-	SHEET	1/1
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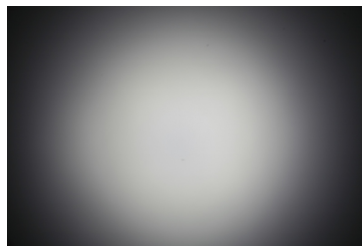
PHOTOMETRIC DATA (MEASURED):

CREE 

LED XM-L
FWHM 56.0°
Efficiency 89 %
Peak intensity 0.850 cd/lm
Required components:

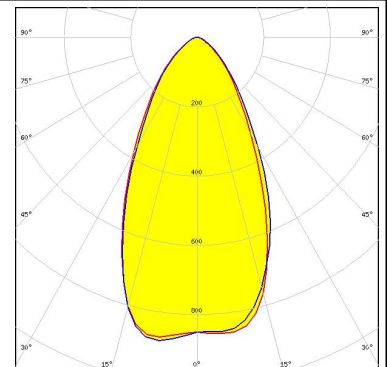
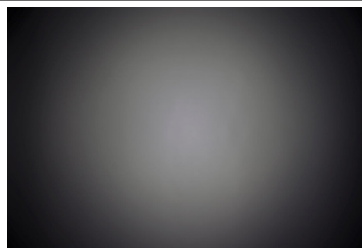
CREE 

LED XM-L2
FWHM 56.0°
Efficiency 89 %
Peak intensity cd/lm
Required components:



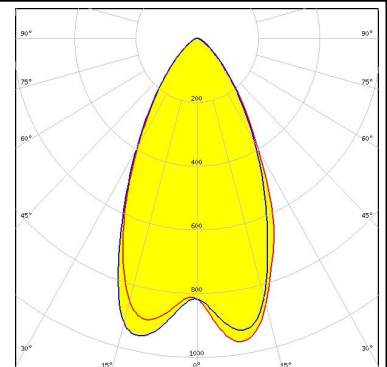
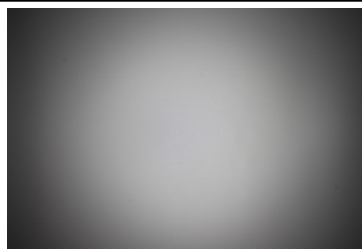
CREE 

LED XP-L
FWHM 53.0°
Efficiency 91 %
Peak intensity 0.900 cd/lm
Required components:



CREE 

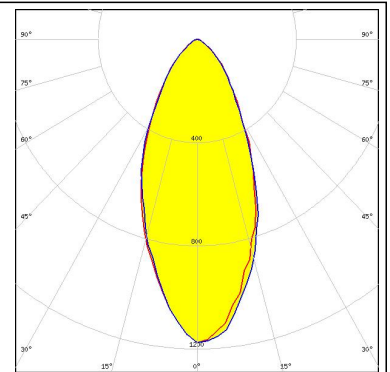
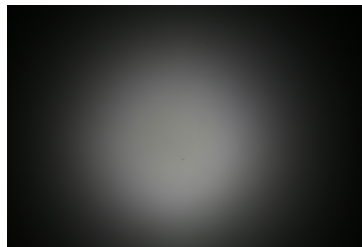
LED XP-L HI
FWHM 54.0°
Efficiency 91 %
Peak intensity 0.990 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

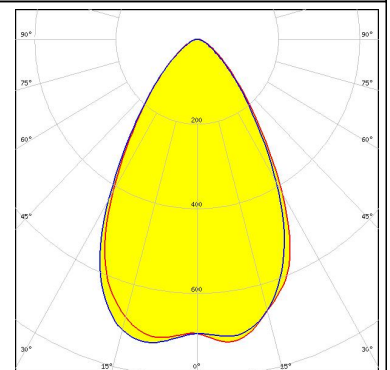
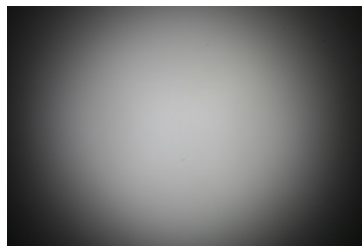
CREE 

LED XT-E
FWHM 46.0°
Efficiency 92 %
Peak intensity 1.200 cd/lm
Required components:



NICHIA 

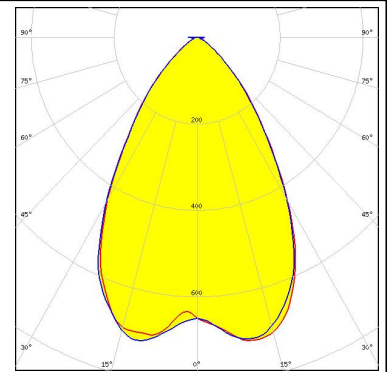
LED NS9x383
FWHM 65.0°
Efficiency 90 %
Peak intensity 0.740 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):



LED XD16 2x2 cluster
FWHM 61.0°
Efficiency 91 %
Peak intensity 0.750 cd/lm
Required components:



LED XM-L HVW
FWHM 62.0°
Efficiency %
Peak intensity cd/lm
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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