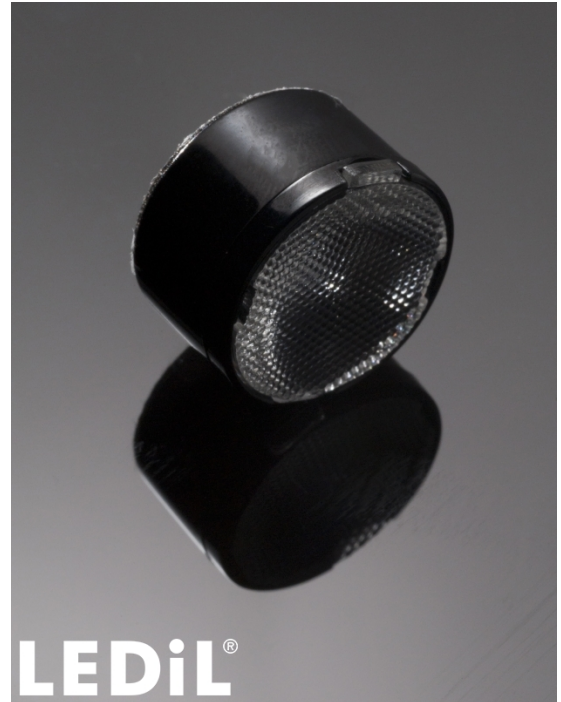


TINA2-M

~30° medium beam optimized for CREE XP-E.
Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

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

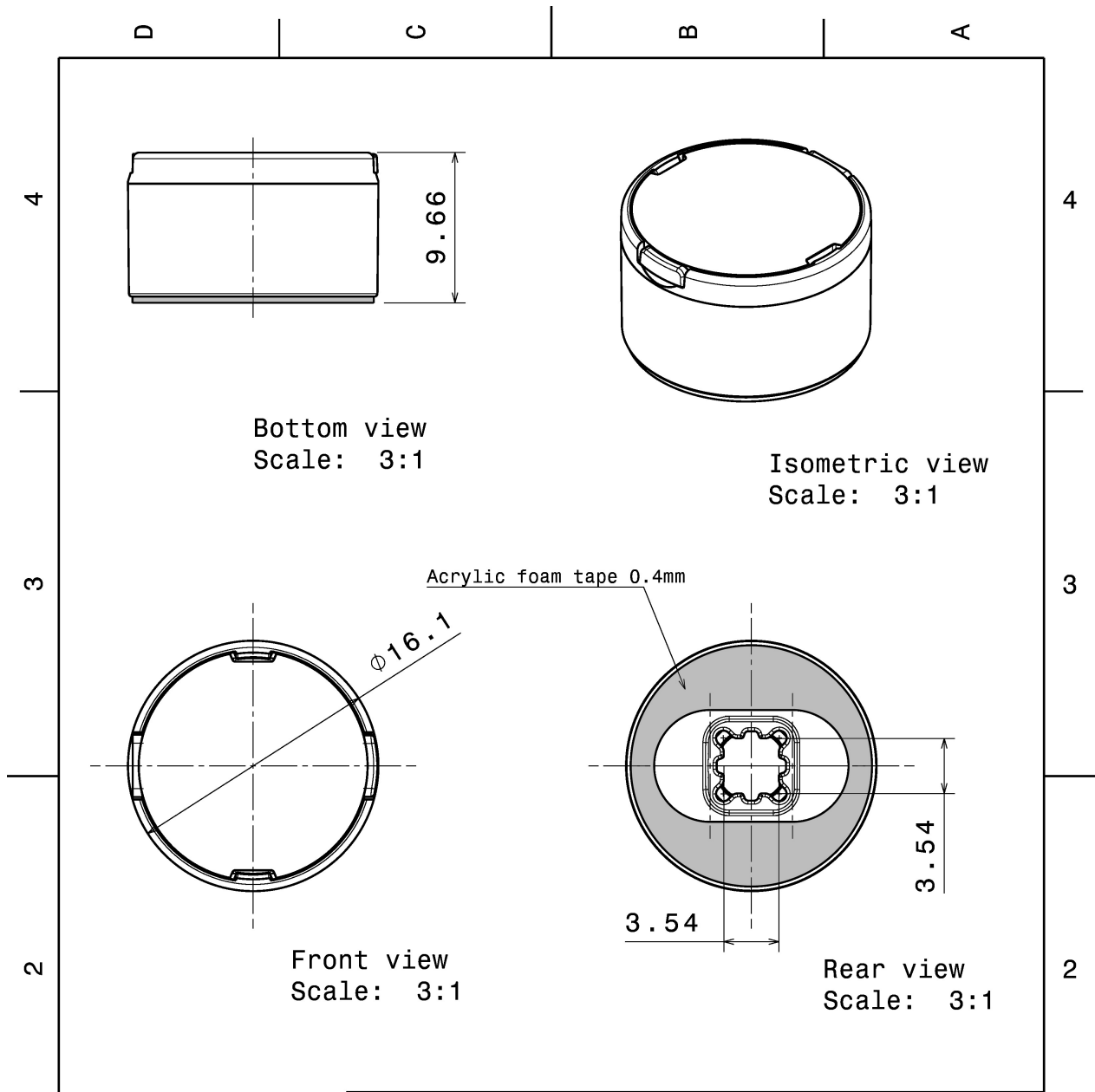


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-XP-M	Single lens	PMMA	clear	
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11017_TINA2-M	Single lens	4140	230	230	8.1
» Box size: 451 x 241 x 298 mm					



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	TINA2-lens	PMMA	
2	C11418	TINA2-XP-HLD-TAPE-BLK	PC	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

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Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
TINA2-XP-series assembly

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SIZE	PART NUMBER
A4	-

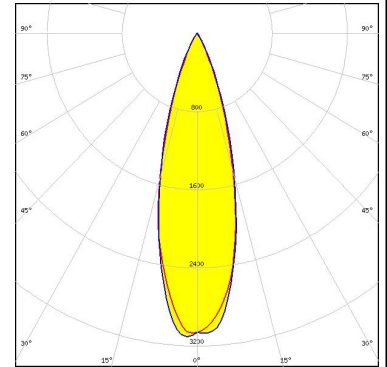
SCALE	3:1	WEIGHT	1,3 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

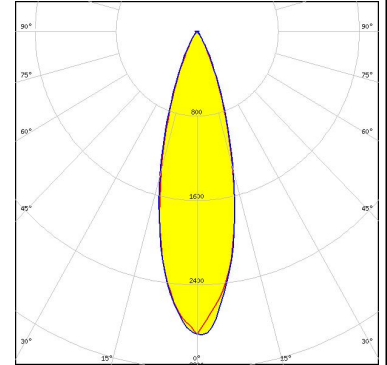
CREE LED

LED XP-E
 FWHM / FWTM 31.0° / 53.0°
 Efficiency 89 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



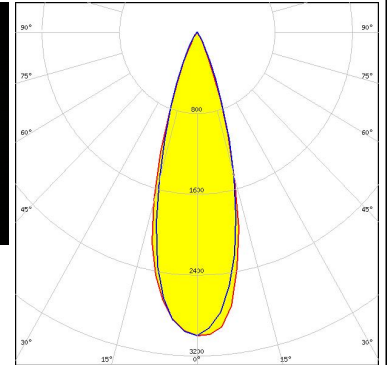
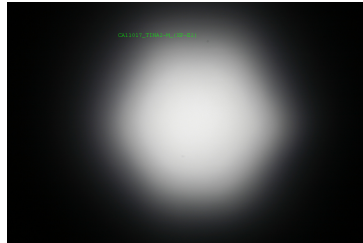
CREE LED

LED XP-E-HEW
 FWHM / FWTM 30.0° / 54.0°
 Efficiency %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



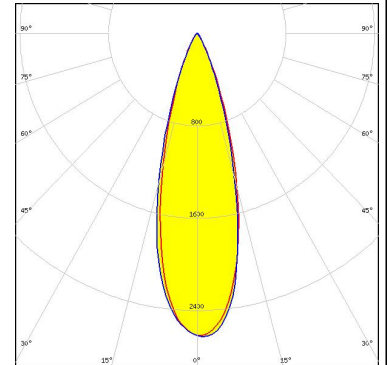
CREE LED

LED XP-E2
 FWHM / FWTM 32.0° / 50.0°
 Efficiency 86 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

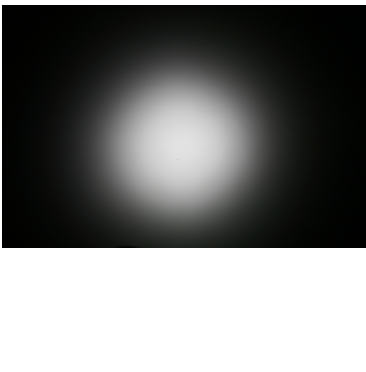
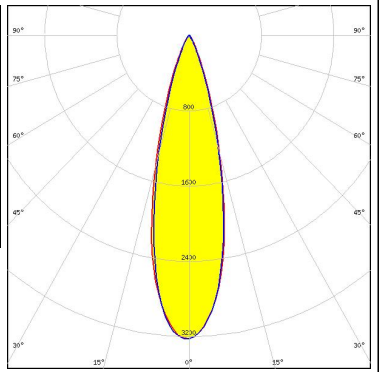

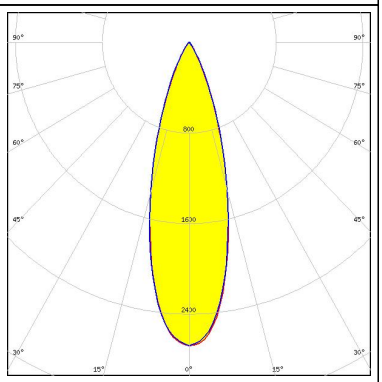

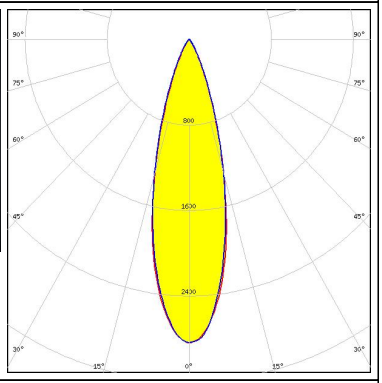

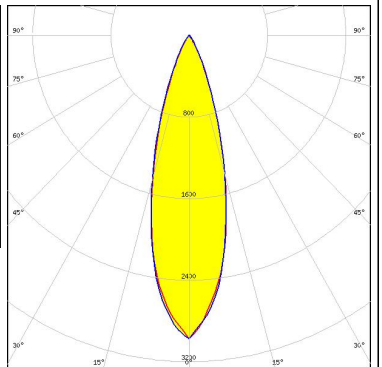


CREE LED

LED XP-G
 FWHM / FWTM 30.0° / 54.0°
 Efficiency 88 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



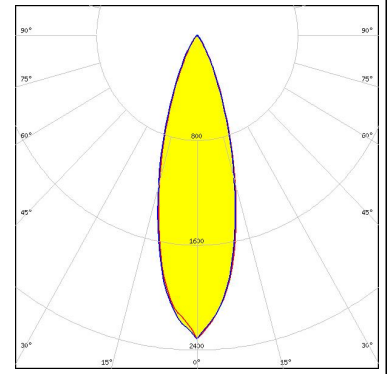
PHOTOMETRIC DATA (MEASURED):

<p>CREE LED</p> <p>LED XP-G2 FWHM / FWTM 26.0° / 48.0° Efficiency 84 % Peak intensity 3.2 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LED</p> <p>LED XT-E FWHM / FWTM 31.0° / 53.0° Efficiency 81 % Peak intensity 2.6 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>PHILIPS</p> <p>LED Fortimo FastFlex 2x8 DS G3 FWHM / FWTM 28.0° / 52.0° Efficiency 83 % Peak intensity 2.8 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>SEOL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2 FWHM / FWTM 29.0° / 53.0° Efficiency 84 % Peak intensity 2.9 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):



LED	XP-G2 HE
FWHM / FWTM	30.0° / 57.0°
Efficiency	78 %
Peak intensity	2.3 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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