

TINA2-RS

~14° spot beam. Assembly with holder and installation tape.

SPECIFICATION:

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

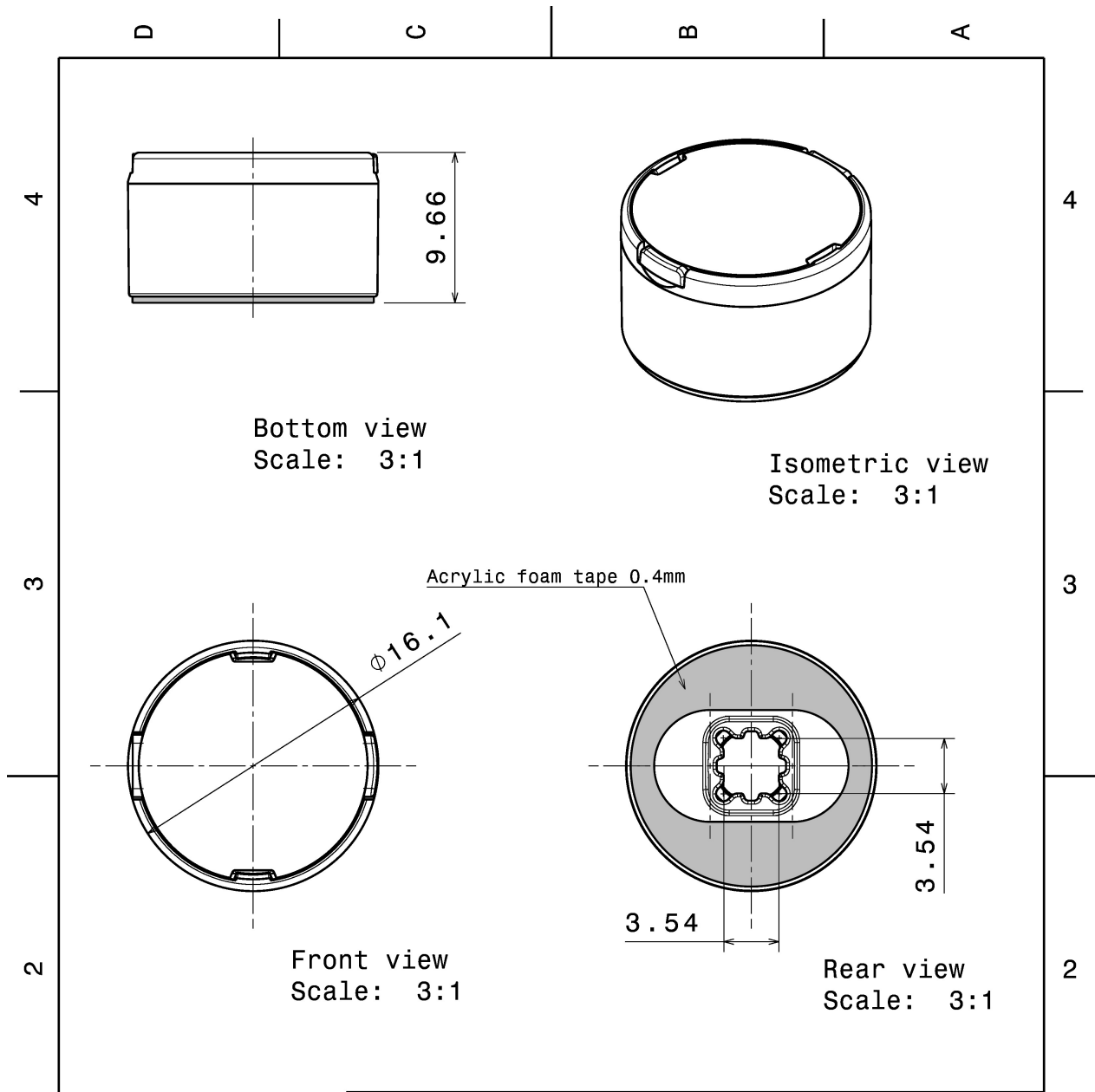


MATERIALS:

Component	Type	Material	Colour	Finish
TINA2-RS	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)
CA11016_TINA2-RS	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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THIRD ANGLE PROJECTION:

DRAWING TITLE
TINA2-XP-series assembly


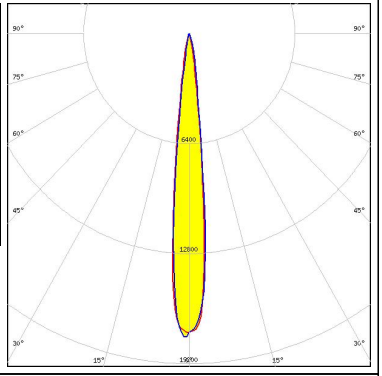
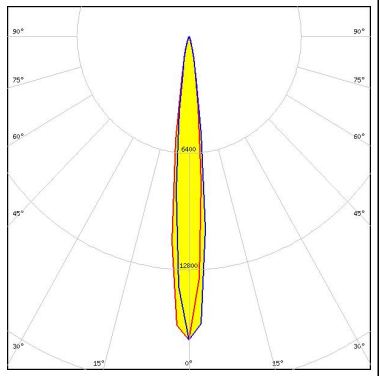
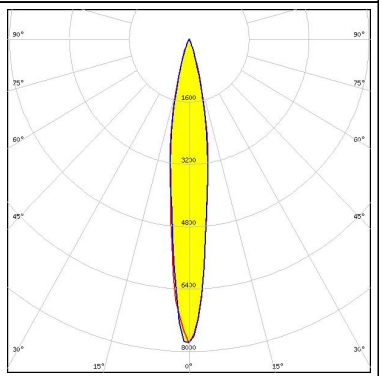
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SIZE	PART NUMBER
A4	-

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

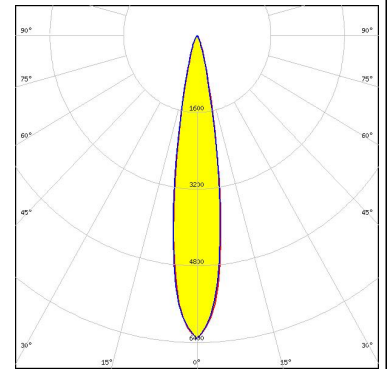
OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED XP-E FWHM / FWTM 11.0° / 21.0° Efficiency 90 % Peak intensity 17.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XP-E2 FWHM / FWTM 11.0° / 22.0° Efficiency 89 % Peak intensity 16.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XP-G FWHM / FWTM 15.0° / 30.0° Efficiency 93 % Peak intensity 9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

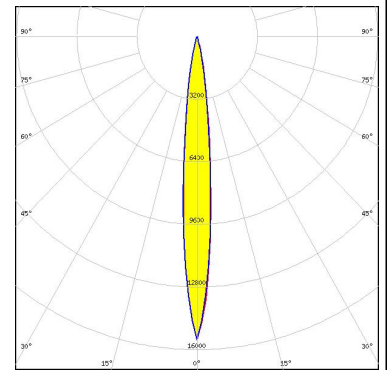
OPTICAL RESULTS (SIMULATED):



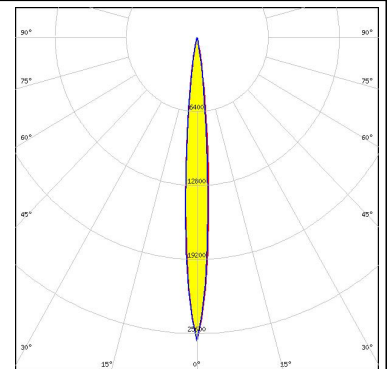
LED XP-G2 HE
 FWHM / FWTM 18.0° / 33.0°
 Efficiency 80 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



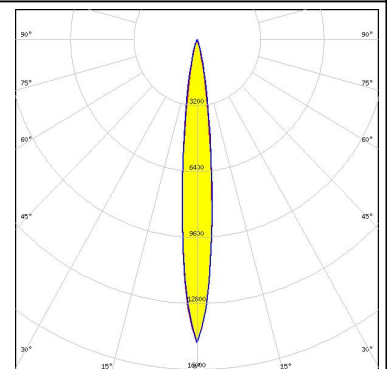
LED LUXEON C
 Assembly NULL
 FWHM / FWTM 11.0° / 24.0°
 Efficiency 85 %
 Peak intensity 15.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON CZ
 FWHM / FWTM 9.0° / 19.0°
 Efficiency 91 %
 Peak intensity 26.2 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



LED KW CSLPM1.TG
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 92 %
 Peak intensity 14.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

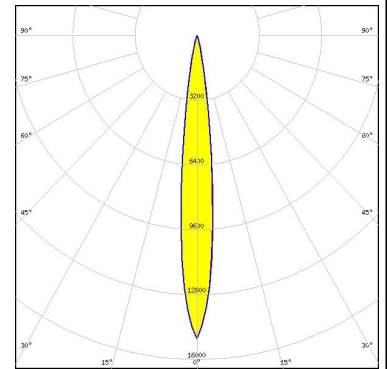


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

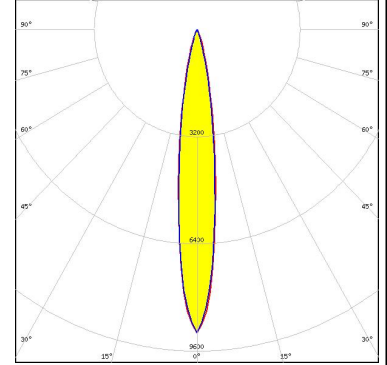
LED OSCONIQ C 2424
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 92 %
 Peak intensity 15 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 14.0° / 32.0°
 Efficiency 91 %
 Peak intensity 9.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

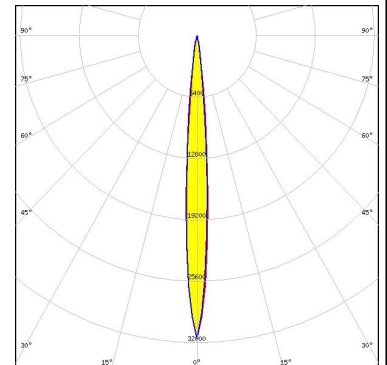
Opto Semiconductors

LED SFH 4170S
 FWHM / FWTM 8.5°
 Efficiency 78 %
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

LED Z5
 FWHM / FWTM 8.0° / 17.0°
 Efficiency 91 %
 Peak intensity 31.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):



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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