

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 ⓘ

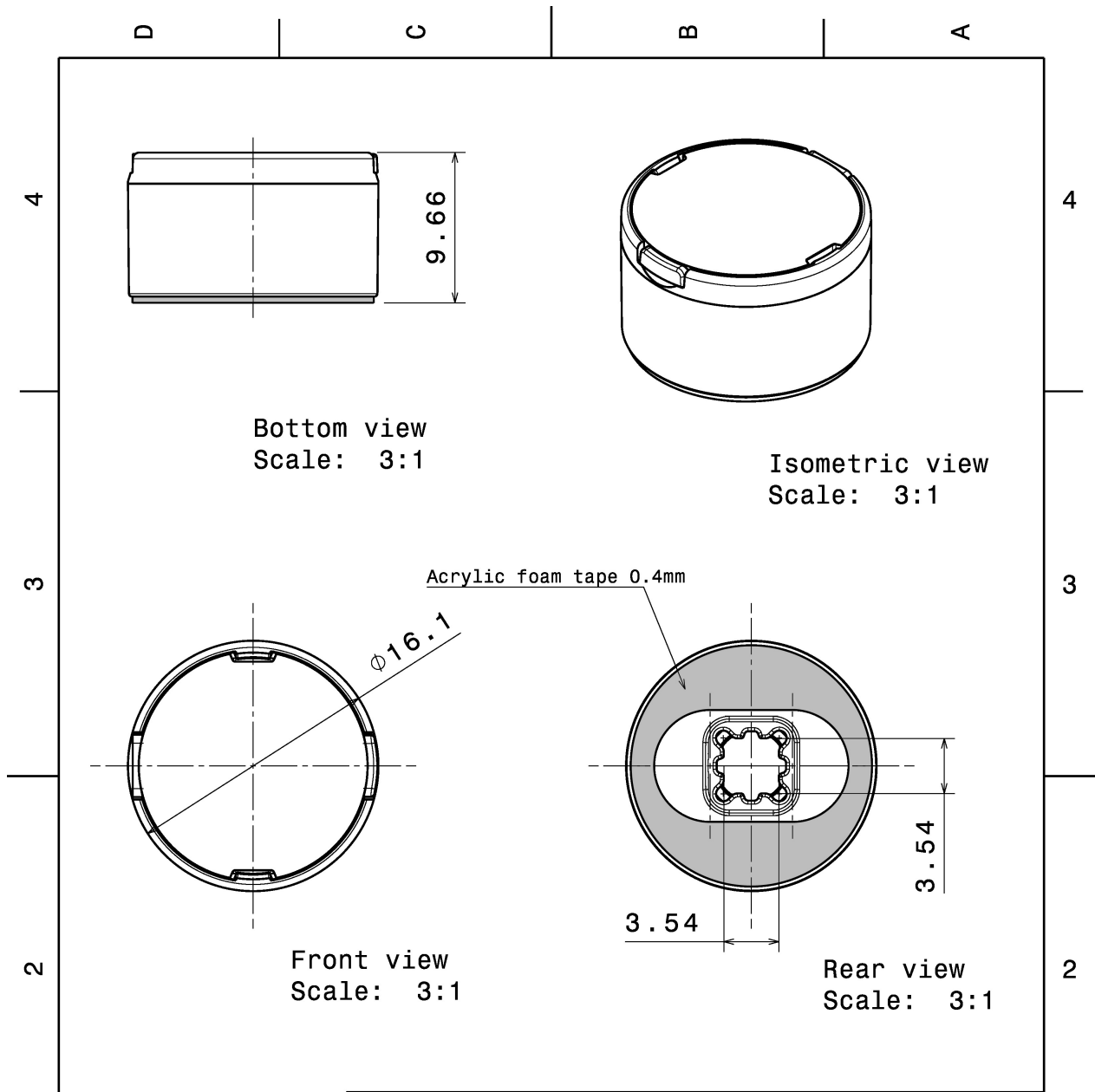


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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 » Box size: 451 x 241 x 298 mm	4140	230	230	8.1



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

LEDiL Ledil Oy
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THIRD ANGLE PROJECTION:

DRAWING TITLE
TINA2-XP-series assembly

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SIZE	PART NUMBER
A4	-

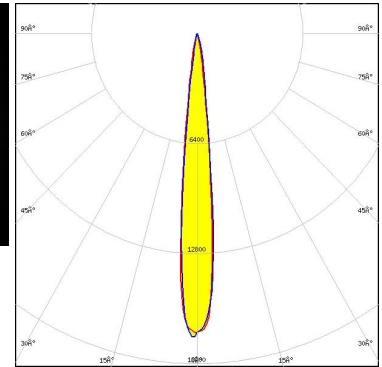
SCALE	3:1	WEIGHT	1,3 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



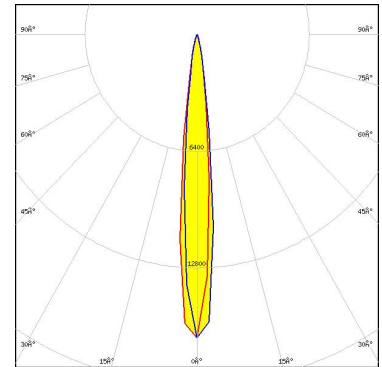
LED XP-E
FWHM / FWTM 11.0° / 21.0°
Efficiency 90 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



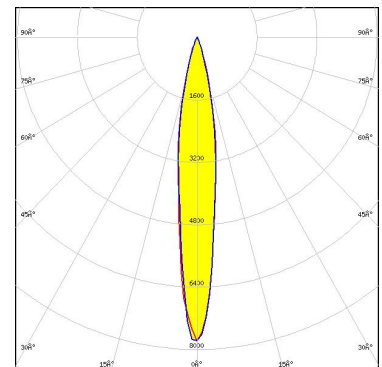
LED XP-E2
FWHM / FWTM 11.0° / 22.0°
Efficiency 89 %
Peak intensity 16.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G
FWHM / FWTM 15.0° / 30.0°
Efficiency 93 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

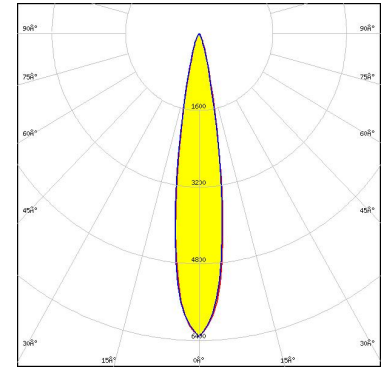


Light distribution files

OPTICAL RESULTS (SIMULATED):



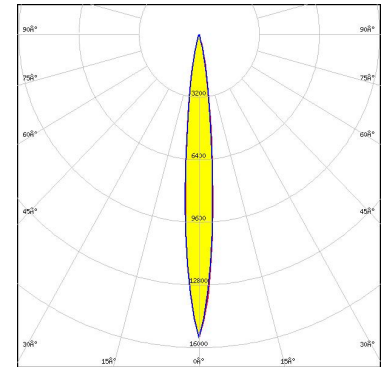
LED XP-G2 HE
FWHM / FWTM 18.0° / 33.0°
Efficiency 80 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



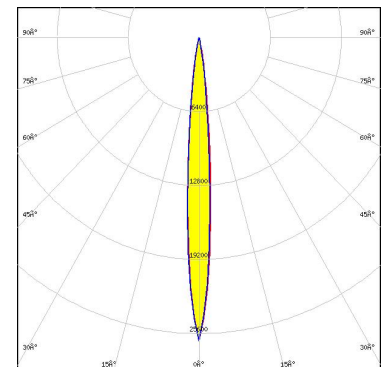
LED LUXEON C
FWHM / FWTM 11.0° / 24.0°
Efficiency 85 %
Peak intensity 15.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

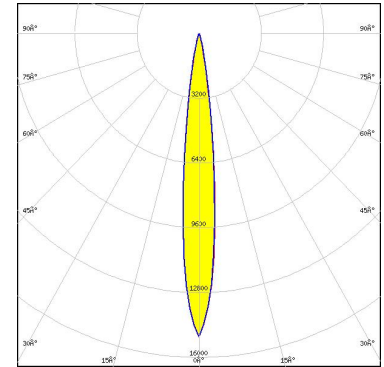


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

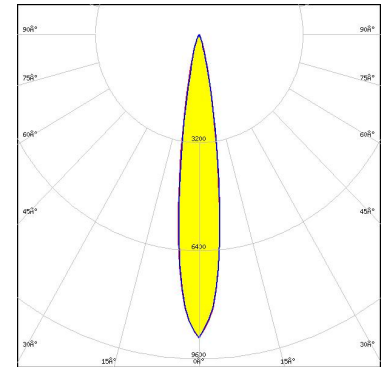
LED OSCONIQ C 2424
FWHM / FWTM 12.0° / 24.0°
Efficiency 92 %
Peak intensity 15 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

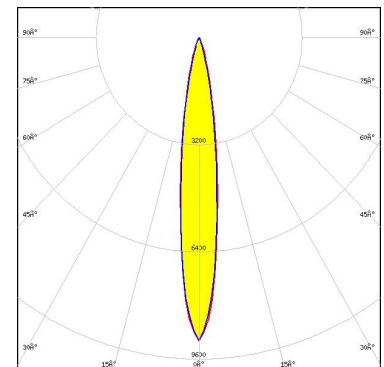
LED OSOLON Square CSSRM2/CSSRM3
FWHM / FWTM 16.0° / 30.0°
Efficiency 90 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

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

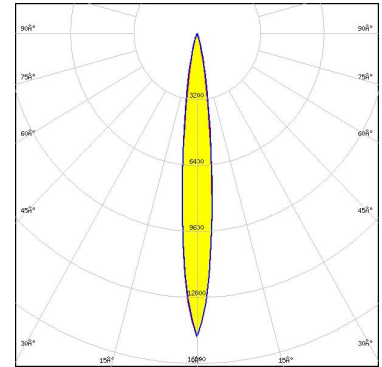


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSRAM OSTAR Projection Compact (KW CSLPM1.TG)
FWHM / FWTM 12.0° / 25.0°
Efficiency 92 %
Peak intensity 14.7 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

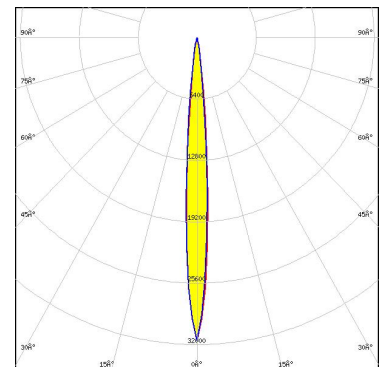
OSRAM
Opto Semiconductors

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

Light distribution files


SEOL
SEOUL SEMICONDUCTOR

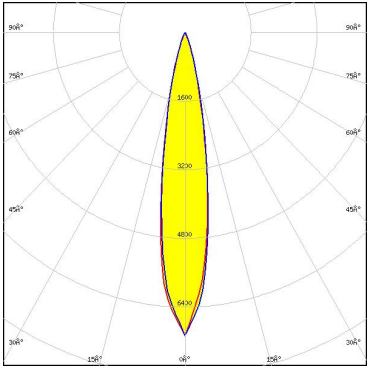
LED Z5
FWHM / FWTM 8.0° / 17.0°
Efficiency 91 %
Peak intensity 31.6 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):

 SEOUL SEMICONDUCTOR	
LED	Z5M4
FWHM / FWTM	18.0° / 36.0°
Efficiency	92 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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