TINA-O

~35° x 15° oval beam optimized for LUXEON Rebel. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-XP-O	Single lens	PMMA	clear	
TINA-H-TAPE-RE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11203_TINA-O	Single lens	2016	288	144	4.1
» Box size:					

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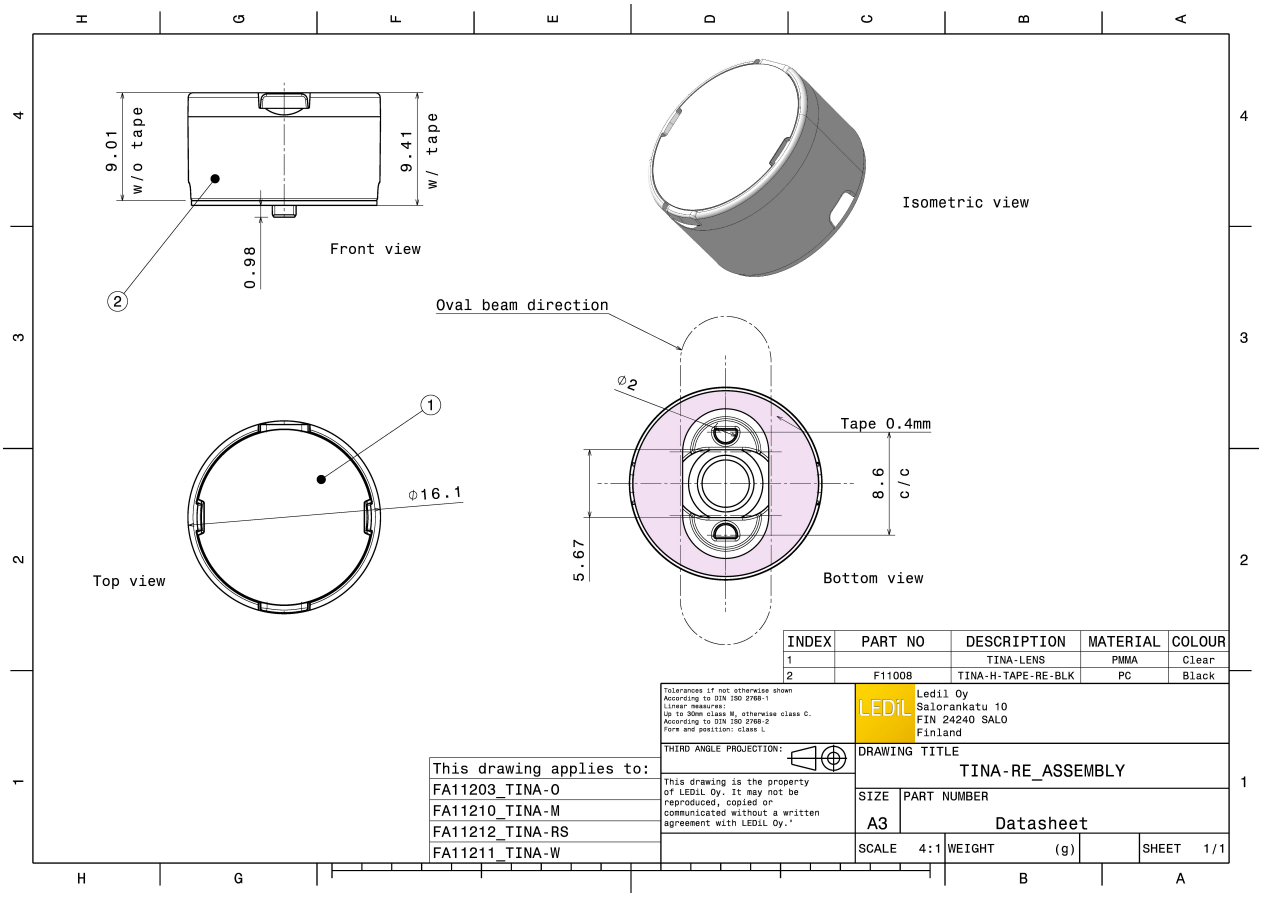

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		TINA-LENS	PMMA	Clear
2	F11008	TINA-H-TAPE-RE-BLK	PC	Black

See also our general installation guide: www.ledil.com/installation_guide

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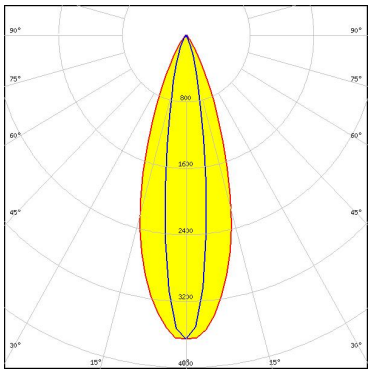
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XB-H
FWHM / FWTM	35.0 + 17.0° / 61.0 + 38.0°
Efficiency	83 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

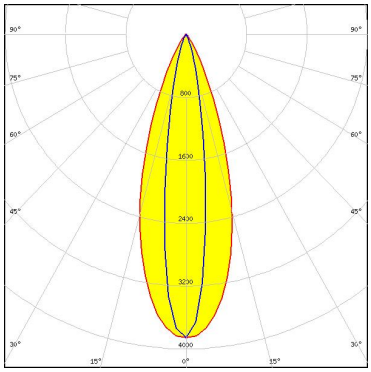


LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	34.0 + 18.0° / 64.0 + 42.0°
Efficiency	89 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

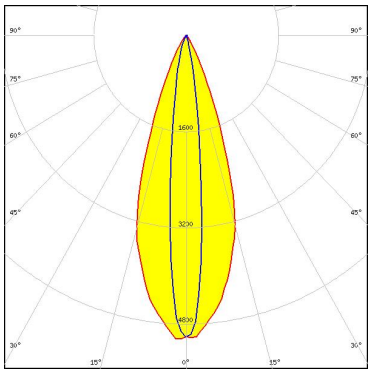
LUMILEDS

LED	LUXEON TX
FWHM / FWTM	36.0 + 17.0° / 61.0 + 36.0°
Efficiency	84 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	36.0 + 13.0° / 57.0 + 28.0°
Efficiency	85 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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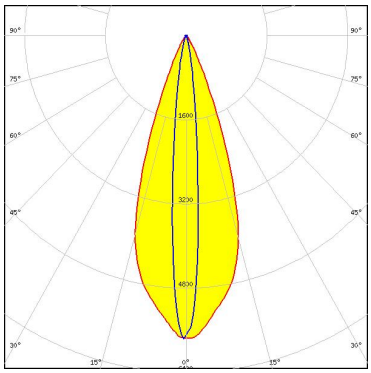
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Black Flat
FWHM / FWTM	37.0 + 10.0° / 55.0 + 23.0°
Efficiency	85 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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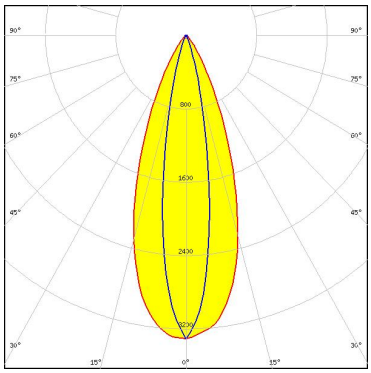
PHOTOMETRIC DATA (SIMULATED):

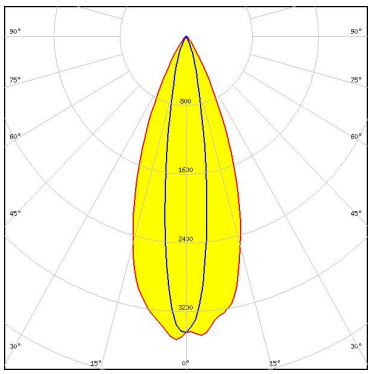
CREE LED

LED	XB-D White
FWHM / FWTM	39.0 + 18.0° / 67.0 + 36.0°
Efficiency	87 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON H50-2
FWHM / FWTM	16.0 + 40.0° / 36.0 + 64.0°
Efficiency	89 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

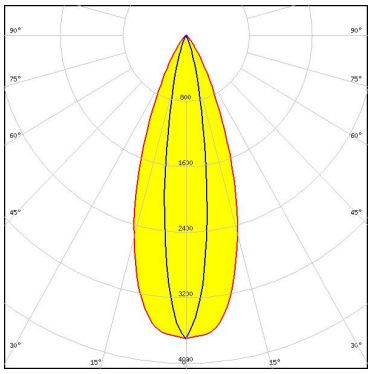


LUMILEDS

LED	LUXEON T
FWHM / FWTM	40.0 + 16.0° / 65.0 + 36.0°
Efficiency	89 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	38.0 + 16.0° / 66.0 + 35.0°
Efficiency	89 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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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