TINA-D

~16° diffused spot 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-D	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)
FA11209_TINA-D	Single lens	2016	288	144	4.0
» Box size:					

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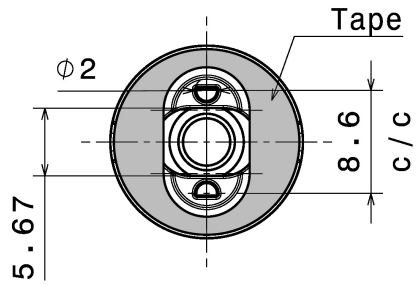
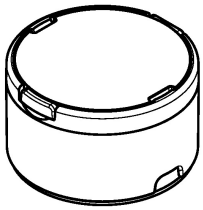
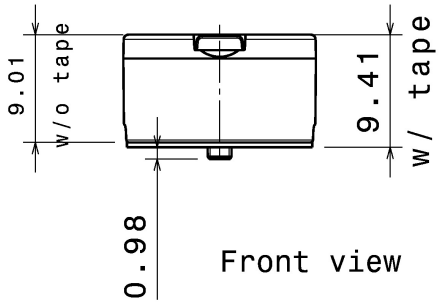


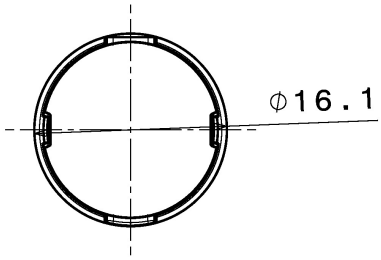
Bottom view



Isometric view



Front view



Top view

Materials
Lens: PMMA
Holder: PC
Tape: Acrylic foam

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Ledil Oy
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Finland

DRAWN BY: as	DATE: 10.9.2012	DRAWING TITLE: Mechanical Drawing TINA-RE	
CHECKED BY: sn	DATE: -	SIZE: A4	PART NUMBER: TINA-RE	REV: 001
DESIGNED BY: -	DATE: -	SCALE: 2:1	WEIGHT: 1,46 g	SHEET: 1/1

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

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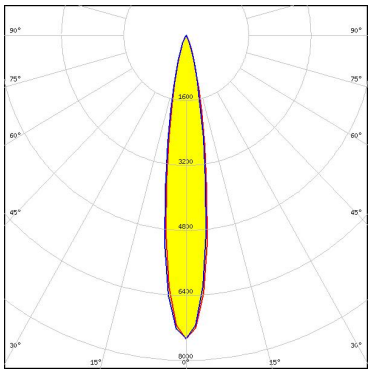
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XB-H
FWHM / FWTM	17.0° / 35.0°
Efficiency	87 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

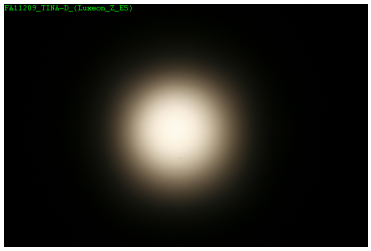


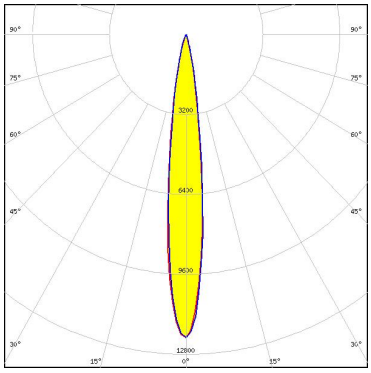
LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	15.0° / 34.0°
Efficiency	92 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	14.0° / 28.0°
Efficiency	89 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





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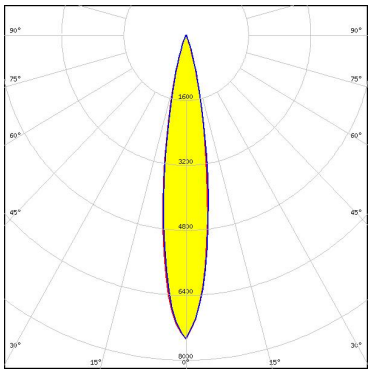
PHOTOMETRIC DATA (SIMULATED):

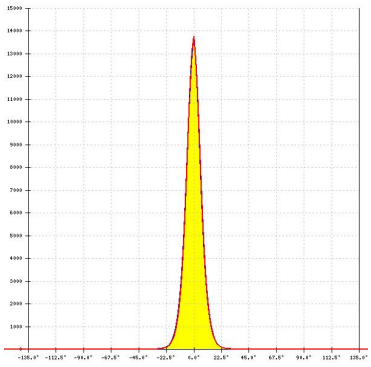
CREE LED

LED	XB-D White
FWHM / FWTM	18.0° / 34.0°
Efficiency	89 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



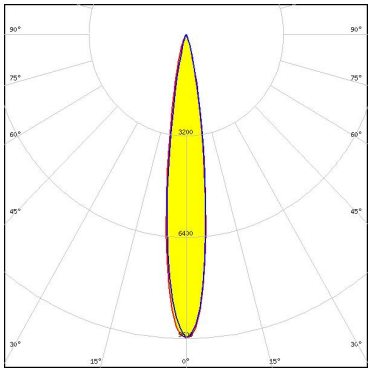
OSRAM Opto Semiconductors

LED	OSLON Signal
FWHM / FWTM	12.0° / 26.0°
Efficiency	92 %
Peak intensity	13.8 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	



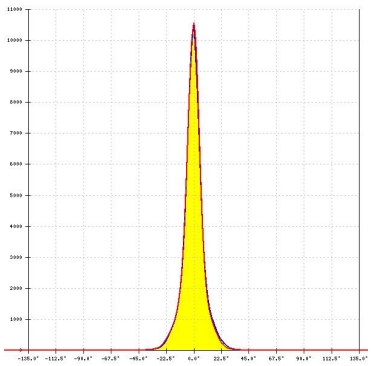
OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	15.0° / 30.0°
Efficiency	92 %
Peak intensity	9.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	12.0° / 30.0°
Efficiency	90 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour	Far Red
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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