TINA-RS

~13° 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-XP-RS	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)
FA11212_TINA-RS » Box size: 470 x 240 x 105 mm	Single lens	2016	288	144	4.1

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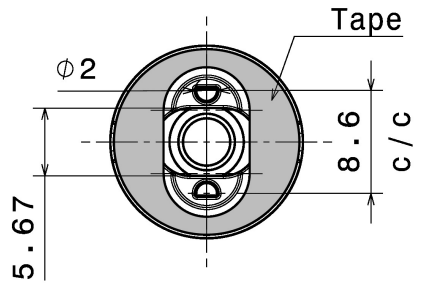
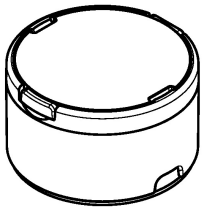
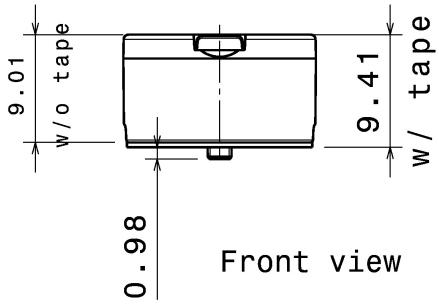


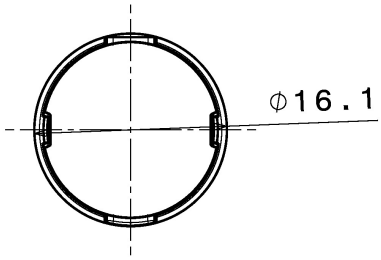
Bottom view



Isometric view



Front view



Top view

Materials
Lens: PMMA
Holder: PC
Tape: PU Foam

This drawing is our property. It can't be reproduced or communicated without our written agreement.		Ledil Oy Salorankatu 10 FIN 24240 SALO 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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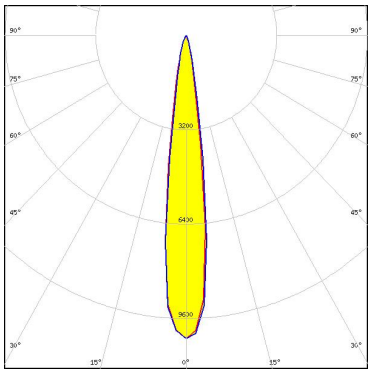
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XB-H
FWHM / FWTM	15.0° / 26.0°
Efficiency	88 %
Peak intensity	10.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

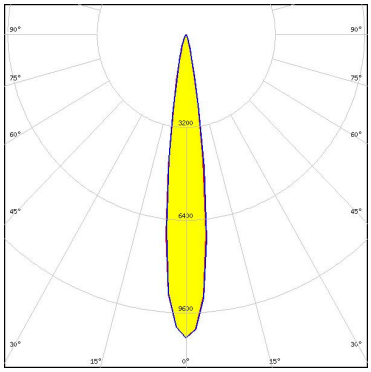


LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	10.0° / 20.0°
Efficiency	93 %
Peak intensity	16.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

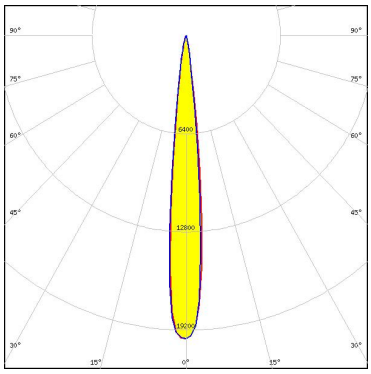
LUMILEDS

LED	LUXEON TX
FWHM / FWTM	15.0° / 28.0°
Efficiency	88 %
Peak intensity	10.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	12.0° / 20.0°
Efficiency	89 %
Peak intensity	19.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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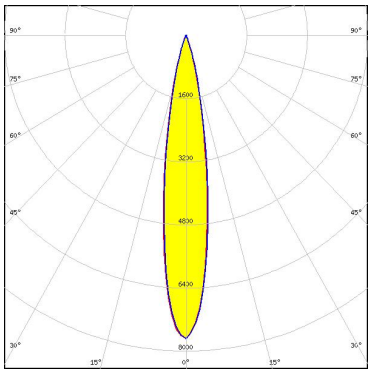
PHOTOMETRIC DATA (SIMULATED):

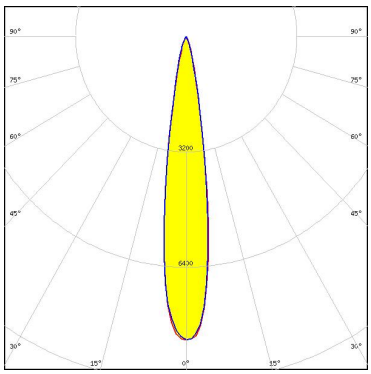
CREE LED

LED	XB-D White
FWHM / FWTM	18.0° / 34.0°
Efficiency	89 %
Peak intensity	7.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON H50-2
FWHM / FWTM	16.0° / 31.0°
Efficiency	92 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON T
FWHM / FWTM	16.0° / 30.0°
Efficiency	92 %
Peak intensity	8.8 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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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