TINA-RS

~13° spot beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-XP-RS	Single lens	PMMA	clear	
TINA-HLD-PIN-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11208_TINA-RS » Box size: 470 x 240 x 105 mm	Single lens	2016	288	144	4.1

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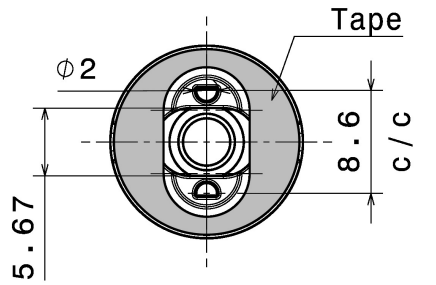
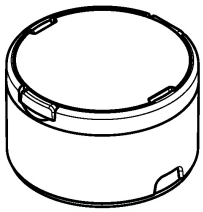
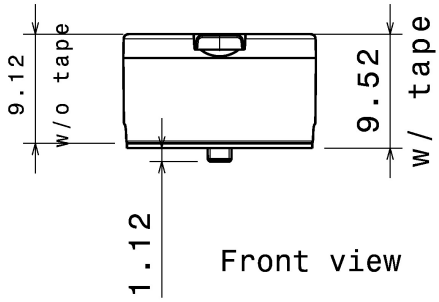


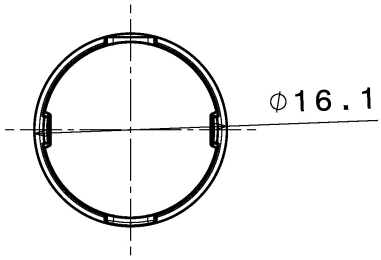
Bottom view



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-OSL		
CHECKED BY sn	DATE -	SIZE A4	PART NUMBER TINA-OSL		REV 001
DESIGNED BY -	DATE -	SCALE 2:1	WEIGHT 1,47 g		SHEET 1/1

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

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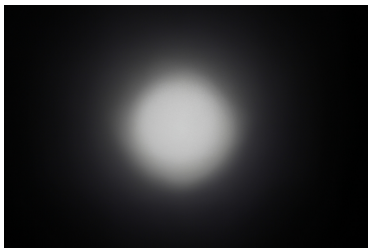
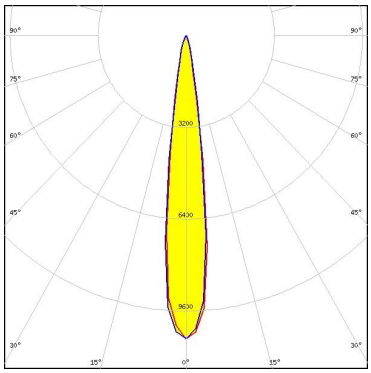
PHOTOMETRIC DATA (MEASURED):

CREE LED

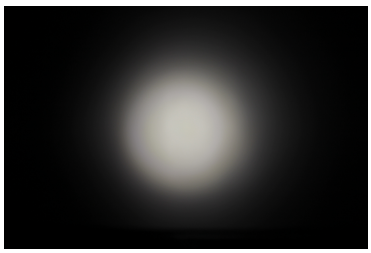
LED	XB-H
FWHM / FWTM	15.0° / 27.0°
Efficiency	88 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

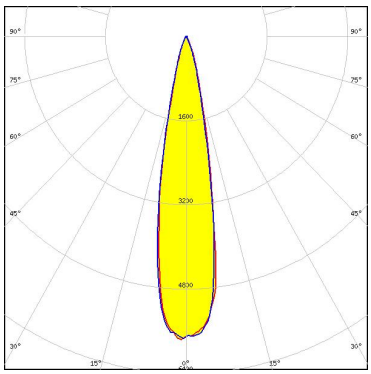




NICHIA

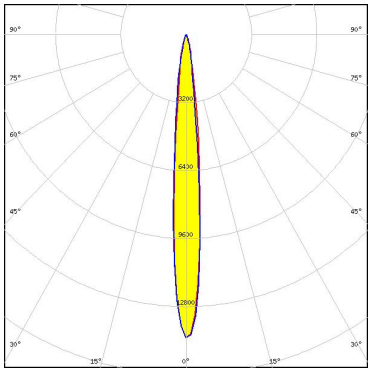
LED	NVSW3x9A
FWHM / FWTM	20.0° / 37.0°
Efficiency	88 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	11.0° / 23.0°
Efficiency	90 %
Peak intensity	14.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM / FWTM	15.0° / 26.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

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PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

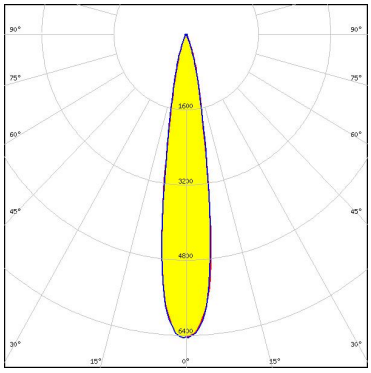
LED	SFH 4725S
FWHM / FWTM	10.0° / 24.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

SAMSUNG

LED	LH351A
FWHM / FWTM	14.0° / 26.0°
Efficiency	93 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	17.0° / 35.0°
Efficiency	85 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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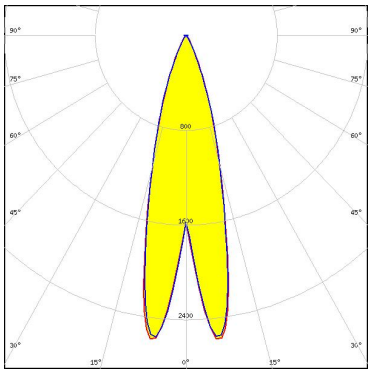
PHOTOMETRIC DATA (SIMULATED):

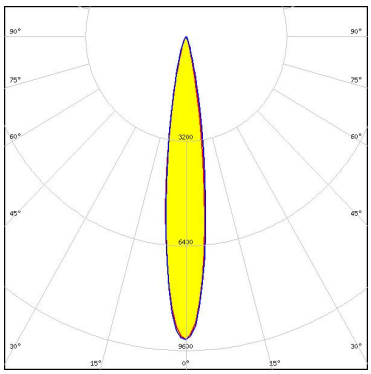
NICHIA

LED	NCSxE17A
FWHM / FWTM	28.0° / 50.0°
Efficiency	85 %
Peak intensity	2.7 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	



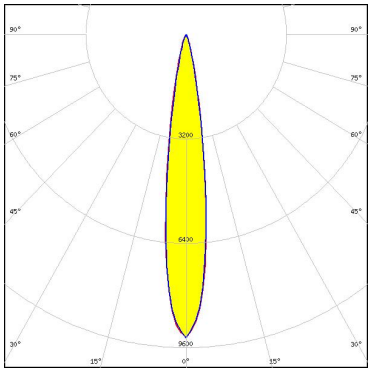
NICHIA

LED	NF2x757G
FWHM / FWTM	16.0° / 30.0°
Efficiency	92 %
Peak intensity	9.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



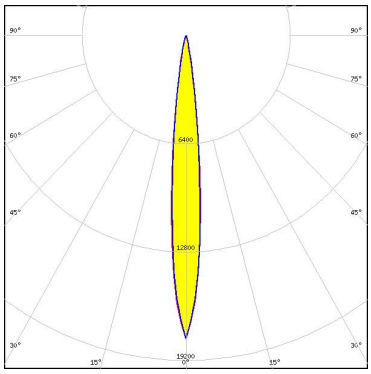
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	16.0° / 30.0°
Efficiency	91 %
Peak intensity	9.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	SYNIOS S2222 (KW DDLM31)
FWHM / FWTM	12.0 + 11.0° / 22.0°
Efficiency	97 %
Peak intensity	17.9 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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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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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy

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