TINA-M

~30° medium beam optimized for CREE XP-E. Assembly with holder and installation tape.



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes

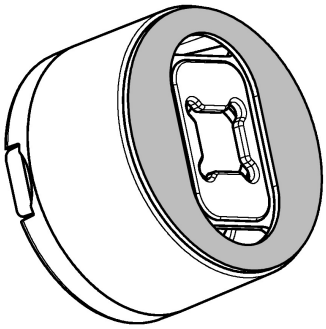
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-M	Single lens	PMMA	clear	
TINA-XP-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

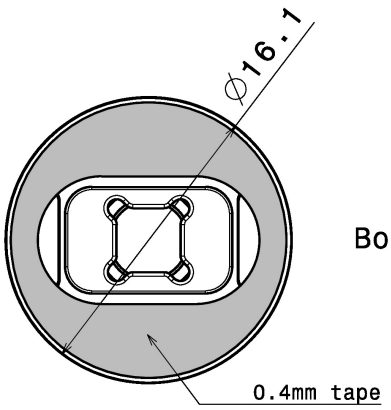
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10645_TINA-M » Box size: 470 x 240 x 105 mm	Single lens	2016	288	144	4.1

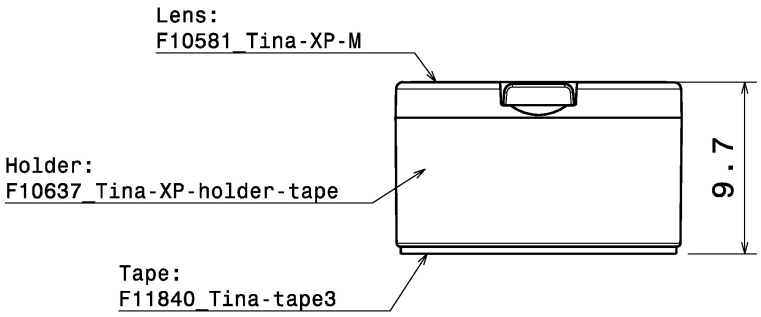
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



Isometric view



Bottom view



Front view

MATERIALS
Lens: PMMA
Holder: PC
Tape Acrylic foam

Part No.s:
FA10645_Tina-XP-M
FA10645_Tina-XP-G-M
FA10645_Tina-Z5-M

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Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

DRAWN BY: mav	DATE: 09.03.2011	DRAWING TITLE: Assembly Tina-XP M			
CHECKED BY: tk	DATE: 09.03.2011	SIZE: A4	DRAWING NUMBER: FA10645		REV: 2
DESIGNED BY: HH	DATE: 22.07.2008	SCALE: 2:1	WEIGHT(g): -		SHEET: 1/1

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

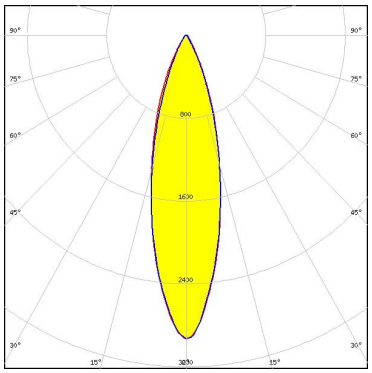
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XP-E
FWHM / FWTM	27.0° / 56.0°
Efficiency	94 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





CREE LED

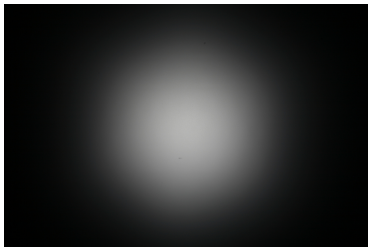
LED	XP-G
FWHM / FWTM	30.0° / 59.0°
Efficiency	90 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

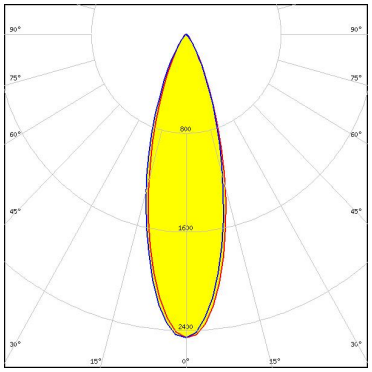
Required components:

CREE LED

LED	XP-G2
FWHM / FWTM	31.0° / 60.0°
Efficiency	87 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

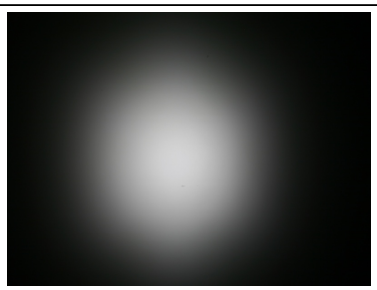


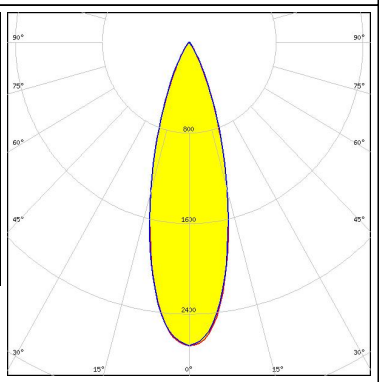


CREE LED

LED	XT-E
FWHM / FWTM	31.0° / 60.0°
Efficiency	88 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





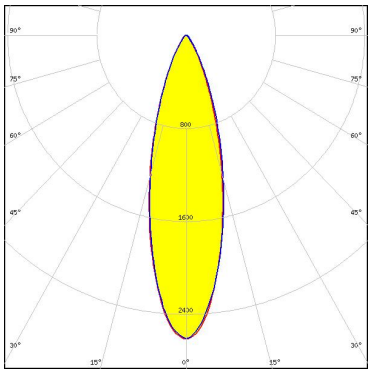
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PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON 2835 Line
FWHM / FWTM	29.0° / 59.0°
Efficiency	95 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





SEOUL SEMICONDUCTOR

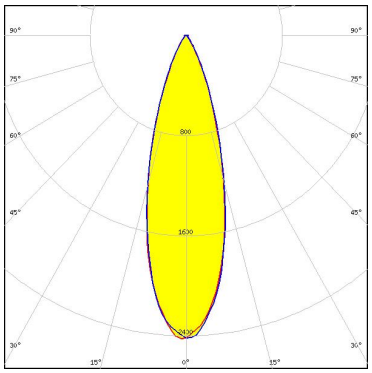
LED	Z5
FWHM / FWTM	31.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

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PHOTOMETRIC DATA (SIMULATED):

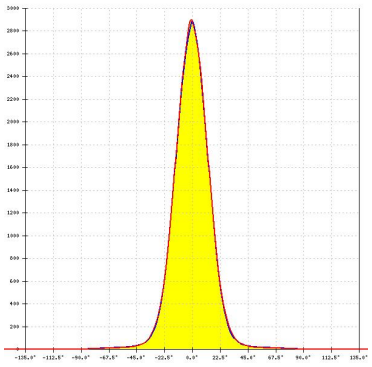
CREE LED

LED	XP-G3
FWHM / FWTM	30.0° / 58.0°
Efficiency	85 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



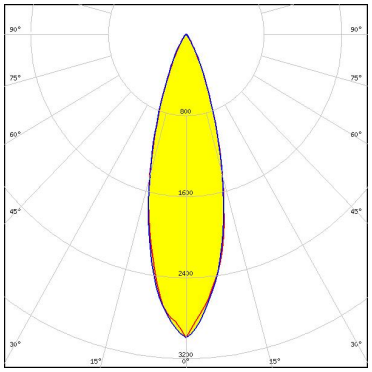
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	30.0° / 55.0°
Efficiency	94 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	29.0° / 54.0°
Efficiency	94 %
Peak intensity	3 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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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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