TINA-M

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

SPECIFICATION:

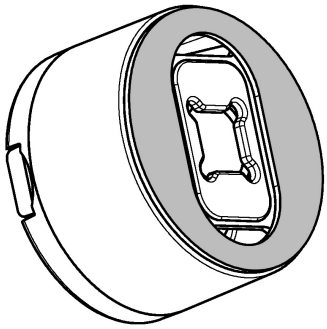
Dimensions	Ø 16.1
Height	9.7 mm
Fastening	tape
ROHS compliant	yes

MATERIALS:

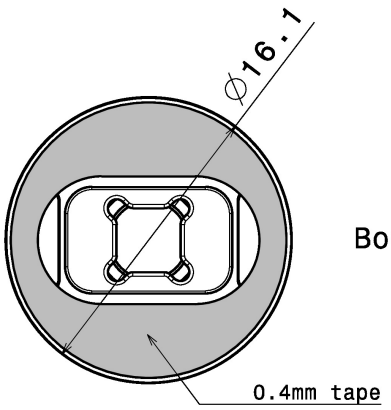
Component	Type	Material	Colour	Finish	Length (mm)
TINA-M	Single lens	PMMA	clear		
TINA-XP-H-TAPE-WHT	Holder	PC	white		
TINA-TAPE3	Tape	Acryl tape	black		

ORDERING INFORMATION:

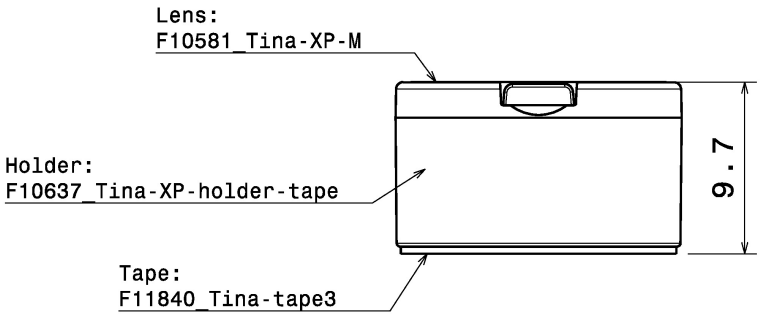
Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA10645_TINA-M » Box size: 470 x 240 x 105 mm	2016	288	144	4.1



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

Ledil Oy
Tehdaskatu 13
FIN-24100 SALO
Finland

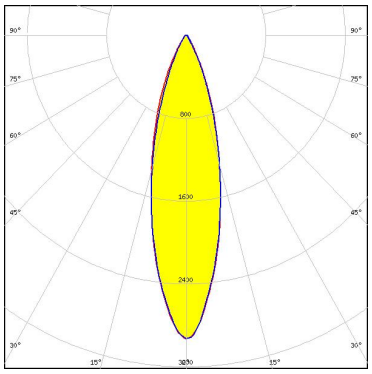
DRAWN BY: mav	DATE: 09.03.2011	DRAWING TITLE: Assembly Tina-XP M			
CHECKED BY: tk	DATE: 09.03.2011	SIZE: A4	DRAWING NUMBER: FA10645		REV: 2
DESIGNED BY: HH	DATE: 22.07.2008	SCALE: 2:1	WEIGHT(g): -		SHEET: 1/1

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

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



Light distribution files

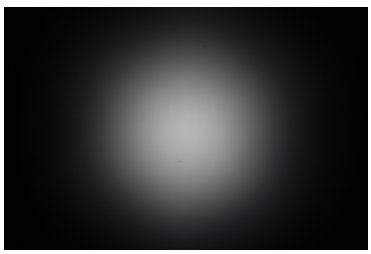
CREE LEDs

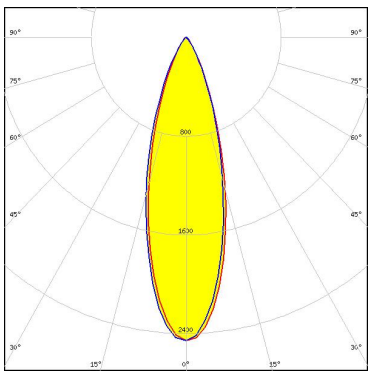
LED	XP-G
FWHM / FWTM	30.0° / 59.0°
Efficiency	90 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

CREE LEDs

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



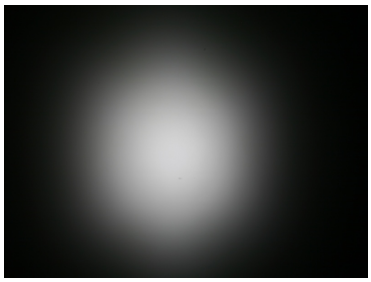


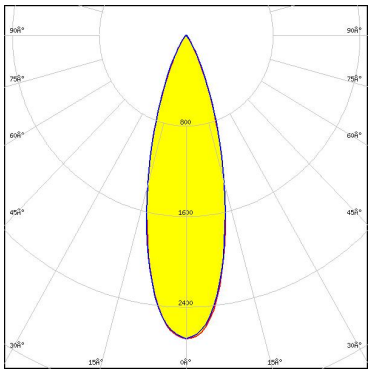
Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

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

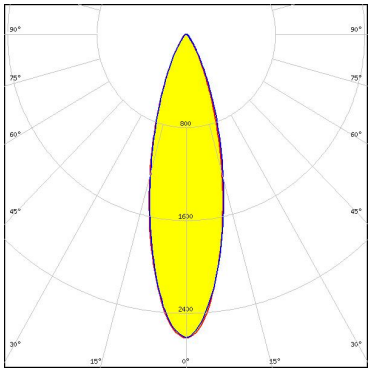




Light distribution files

LUMILEDS

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



Light distribution files

SEOUL SEMICONDUCTOR

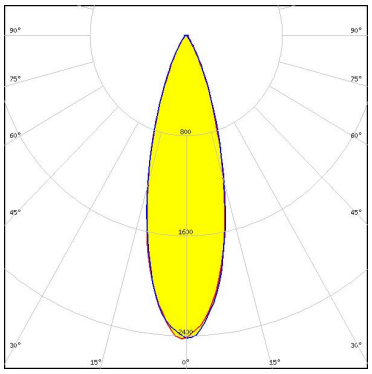
LED	Z5
FWHM / FWTM	31.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

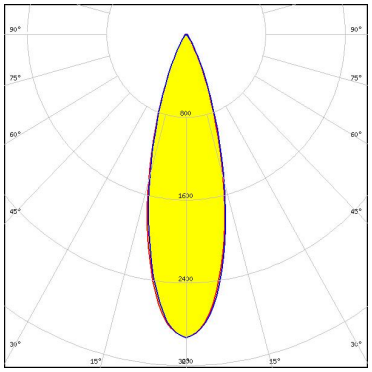
LED	XP-G3
FWHM / FWTM	30.0° / 58.0°
Efficiency	85 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

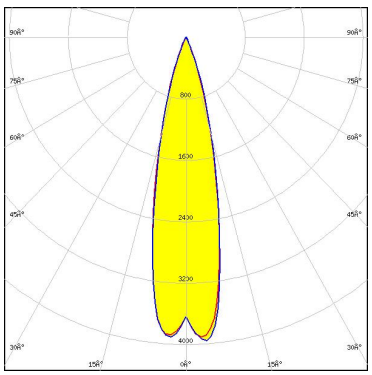
LED	LUXEON 2835 Architectural
FWHM / FWTM	30.0° / 54.0°
Efficiency	96 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	30.0° / 60.0°
Efficiency	93 %
Peak intensity	2.5 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	

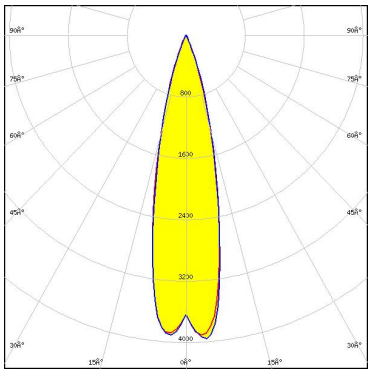


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

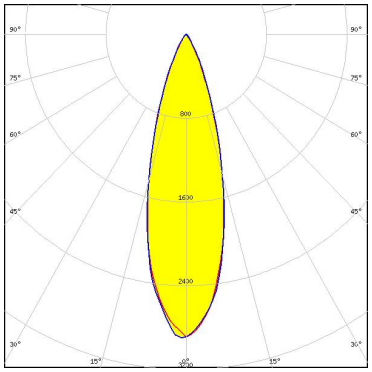
LED	OSLON Pure 1414
FWHM / FWTM	24.0° / 42.0°
Efficiency	95 %
Peak intensity	4 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

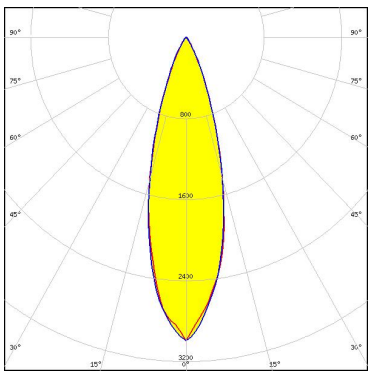
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	30.0° / 55.0°
Efficiency	94 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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/type	White
Required components:	



Light distribution files

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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