TINA-WW

~60° wide beam optimized for CREE XP-E. Assembly with holder and installation tape.

SPECIFICATION:

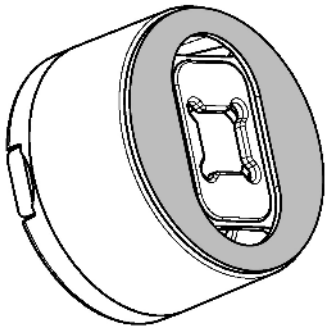
Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes

MATERIALS:

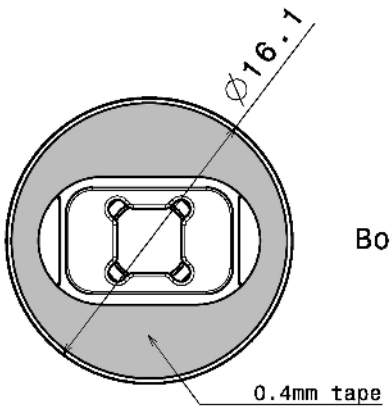
Component	Type	Material	Colour	Finish
TINA-WW-XP	Single lens	PMMA	clear	
TINA-XP-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

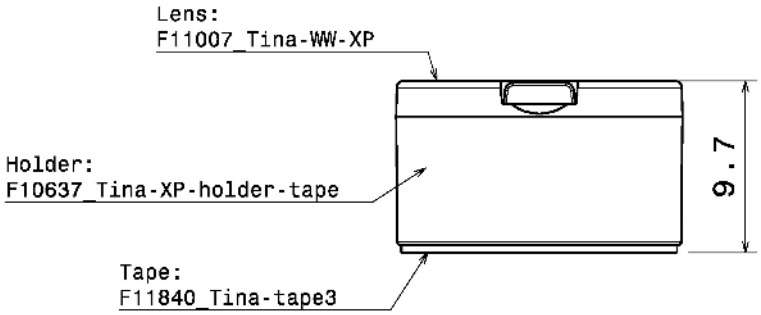
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11019_TINA-WW	Single lens	2016	288	144	4.1
» Box size:					



Isometric view



Bottom view



Front view

MATERIALS
Lens: PMMA
Holder: PC
Tape Acrylic foam

Part No.s:
FA11019_Tina-WW-XP
FA11019_Tina-WW-XP-G
FA11019_Tina-WW-Z5

Ledil Oy
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Finland

DRAWN BY: mav	DATE: 09.03.2011	DRAWING TITLE: Assembly Tina-XP WW			
CHECKED BY: tk	DATE: 09.03.2011	SIZE: A4	DRAWING NUMBER: FA11019		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

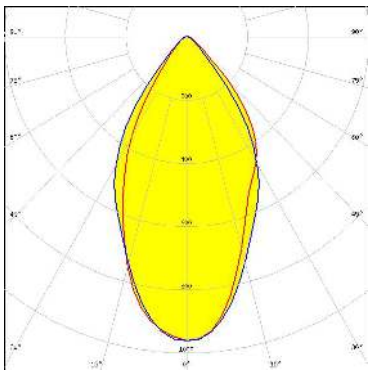
OPTICAL RESULTS (MEASURED):

CREE LED

LED	XP-E
FWHM / FWTM	58.0° / 94.0°
Efficiency	93 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

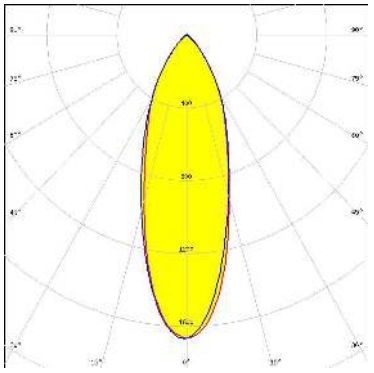
CREE LED

LED	XP-G
FWHM / FWTM	62.0° / 106.0°
Efficiency	91 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



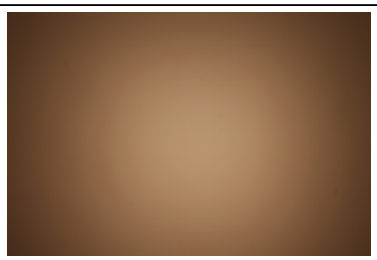
LUMILEDS

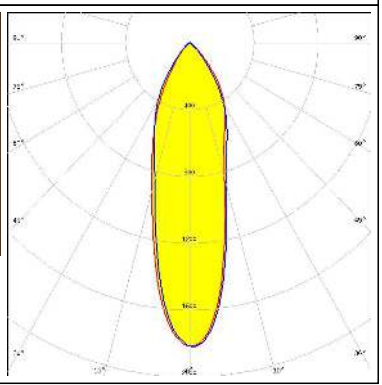
LED	LUXEON 2835 Line
FWHM / FWTM	35.0° / 79.0°
Efficiency	92 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	29.0° / 78.0°
Efficiency	91 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

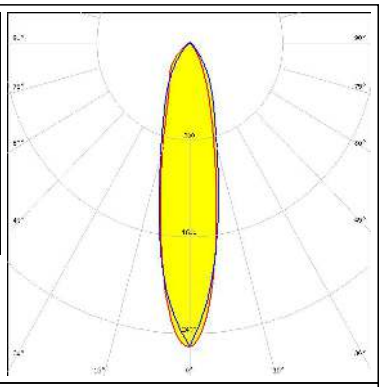




OPTICAL RESULTS (MEASURED):

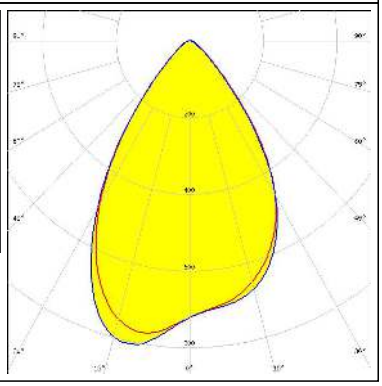
NICHIA

LED	NCSxE17A
FWHM / FWTM	23.0° / 66.0°
Efficiency	86 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

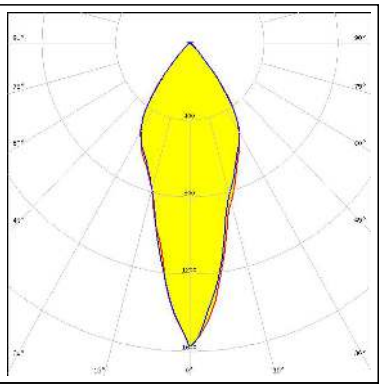
LED	LH351B
FWHM / FWTM	67.0° / 98.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

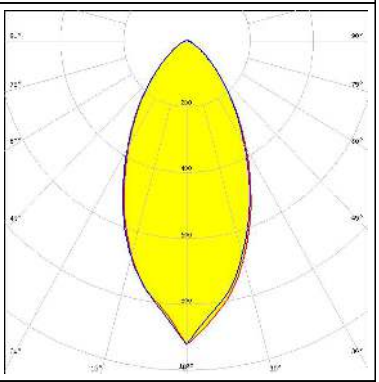
CREE LED

LED	XQ-E HI
FWHM / FWTM	32.0° / 82.0°
Efficiency	96 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XT-E
FWHM / FWTM	52.0° / 102.0°
Efficiency	%
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	33.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

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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