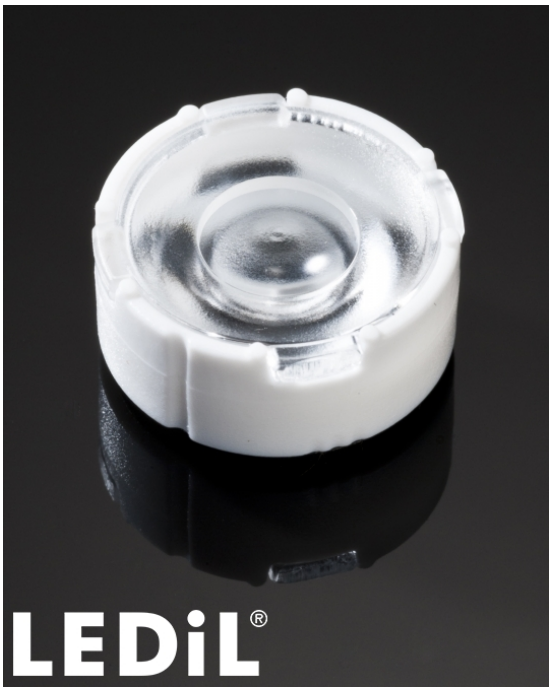
TINA3-W

~40° wide beam optimized for CREE XP-E. Assembly with holder, installation tape and location pins.



TECHNICAL SPECIFICATIONS:

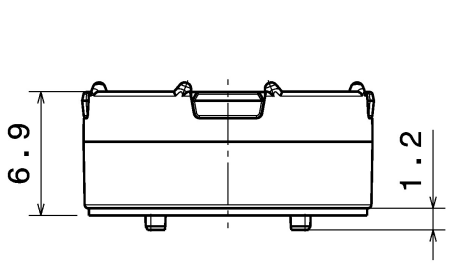
Dimensions	Ø 16.1 mm
Height	7.3 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

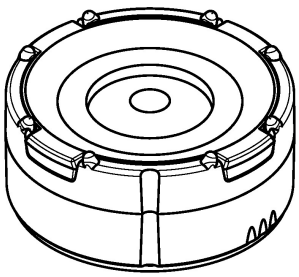
Component	Type	Material	Colour	Finish
TINA3-W	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

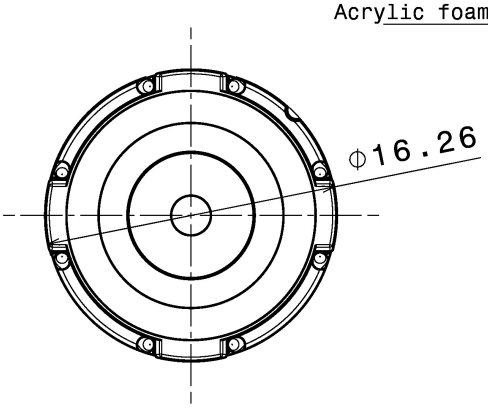
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11902_TINA3-W » Box size: 470 x 240 x 105 mm	Single lens	2016	288	288	3.5



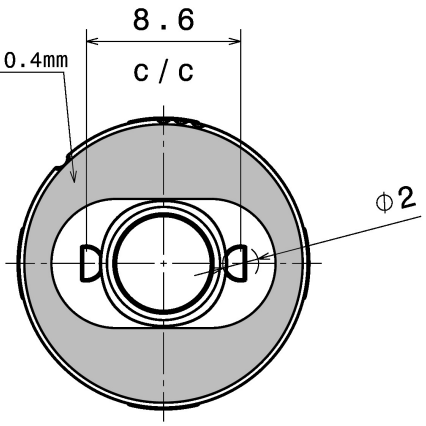
Front view



Isometric view
Scale: 3:1



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F11823	TINA3-HLD-PIN-TAPE-XP	PC	white
2	F11865	TINA3-W	PMMA	

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
FA11902_TINA3-W

SIZE A4

PART NUMBER
FA11902

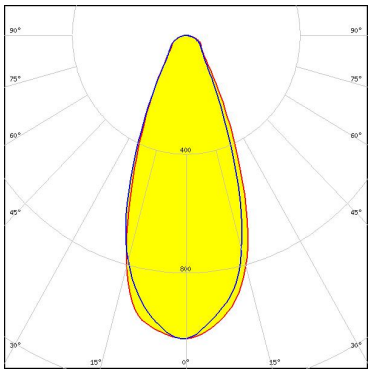
SCALE 3:1 | WEIGHT 1,4 g | SHEET 1/1

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

PHOTOMETRIC DATA (MEASURED):

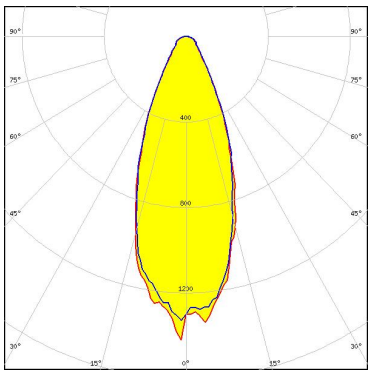
CREE LED

LED	XM-L
FWHM / FWTM	43.0° / 82.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



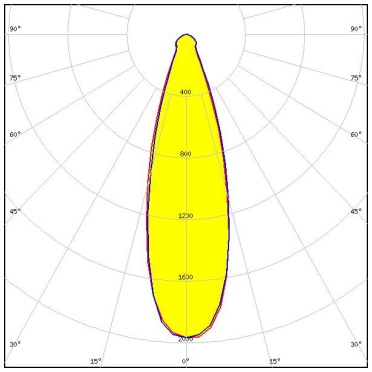
CREE LED

LED	XM-L2
FWHM / FWTM	38.0° / 70.0°
Efficiency	91 %
LEDs/each optic	1
Light colour	White
Required components:	



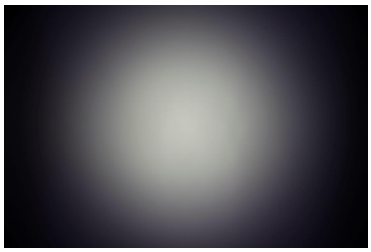
CREE LED

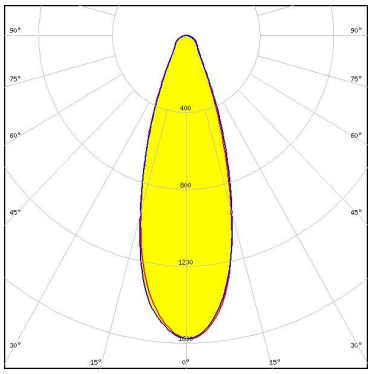
LED	XP-G2
FWHM / FWTM	32.0° / 58.0°
Efficiency	89 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XP-L HD
FWHM / FWTM	34.0° / 68.0°
Efficiency	89 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

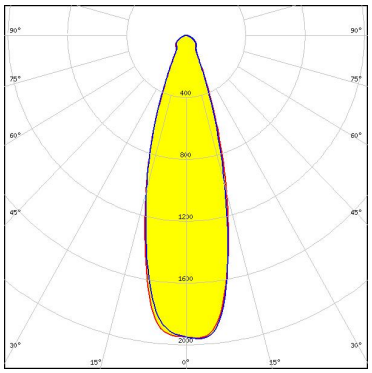




PHOTOMETRIC DATA (MEASURED):

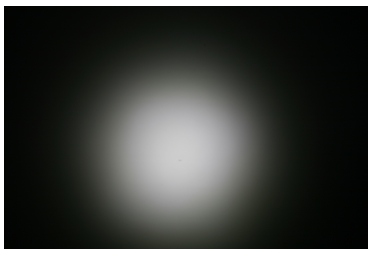
CREE LED

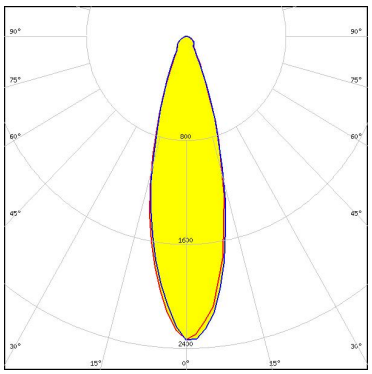
LED	XP-L HI
FWHM / FWTM	31.0° / 57.0°
Efficiency	91 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

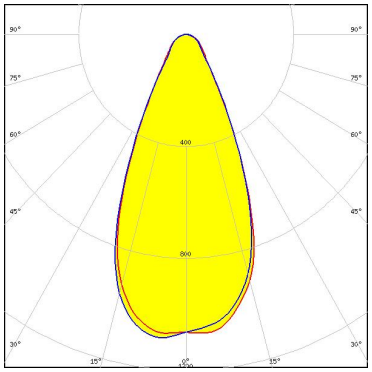
LED	XT-E
FWHM / FWTM	30.0° / 57.0°
Efficiency	92 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





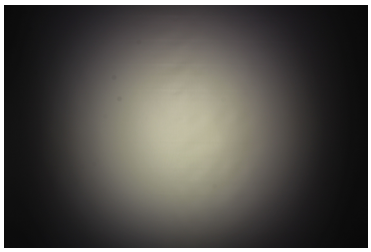
NICHIA

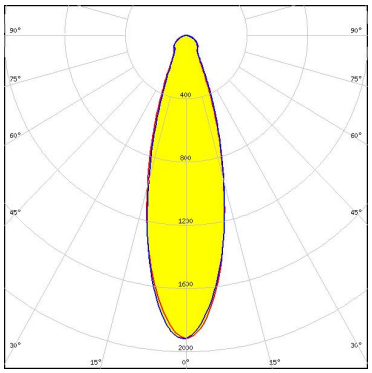
LED	NS9x383
FWHM / FWTM	48.0° / 85.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSU333A
FWHM / FWTM	30.0° / 60.0°
Efficiency	94 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

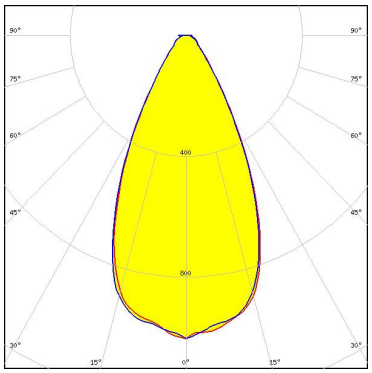




PHOTOMETRIC DATA (SIMULATED):

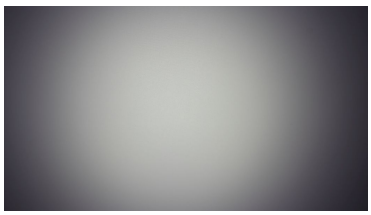
CREE LED

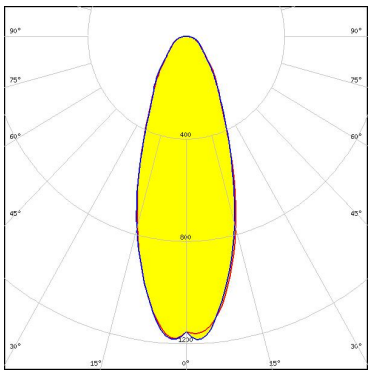
LED	XD16
FWHM / FWTM	52.0° / 86.0°
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	



CREE LED

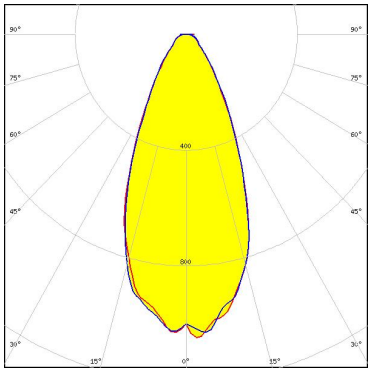
LED	XHP35 HD
FWHM / FWTM	38.0° / 89.0°
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





CREE LED

LED	XHP35.2
FWHM / FWTM	46.0° / 89.0°
Efficiency	86 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



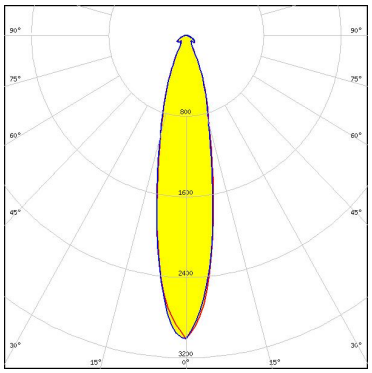
CREE LED

LED	XM-L HVW
FWHM / FWTM	50.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

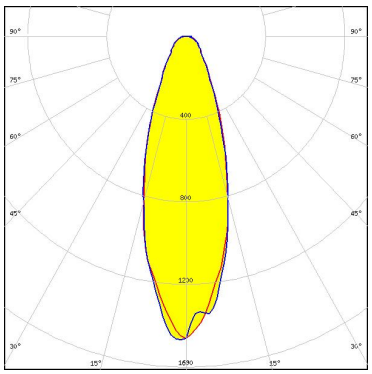
CREE LED

LED	XP-E2
FWHM / FWTM	22.0° / 50.0°
Efficiency	96 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XP-G3
FWHM / FWTM	33.0° / 77.0°
Efficiency	90 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

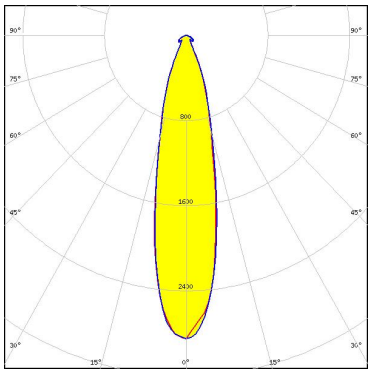


NICHIA

LED	NVSW3x9A
FWHM / FWTM	40.0° / 70.0°
Efficiency	91 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

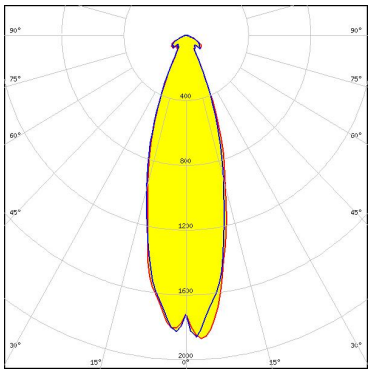
LED	OSLON Signal
FWHM / FWTM	24.0° / 52.0°
Efficiency	90 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	



PHOTOMETRIC DATA (SIMULATED):

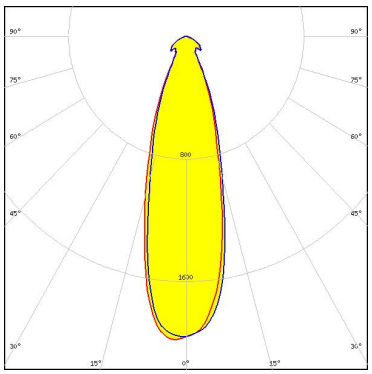
OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	31.0° / 56.0°
Efficiency	90 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	Far Red
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	30.0° / 57.0°
Efficiency	94 %
Peak intensity	2 cd/lm
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:

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