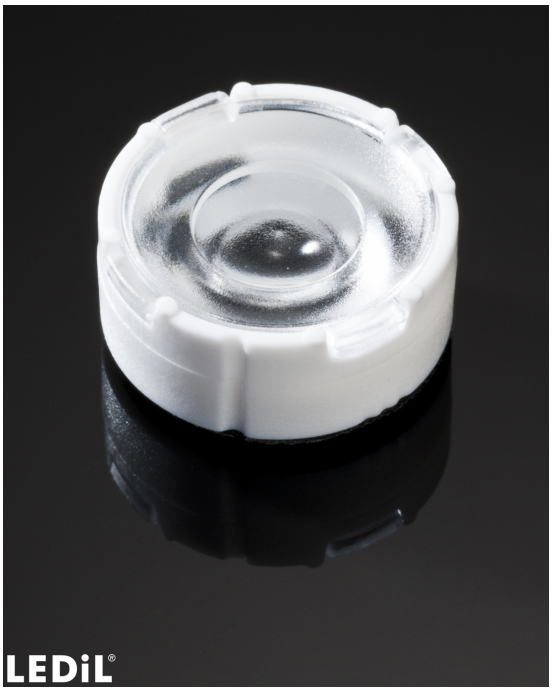
TINA3-WW

~55° wide beam optimized for CREE XP-E. Assembly with holder, installation tape and location pins.



SPECIFICATION:

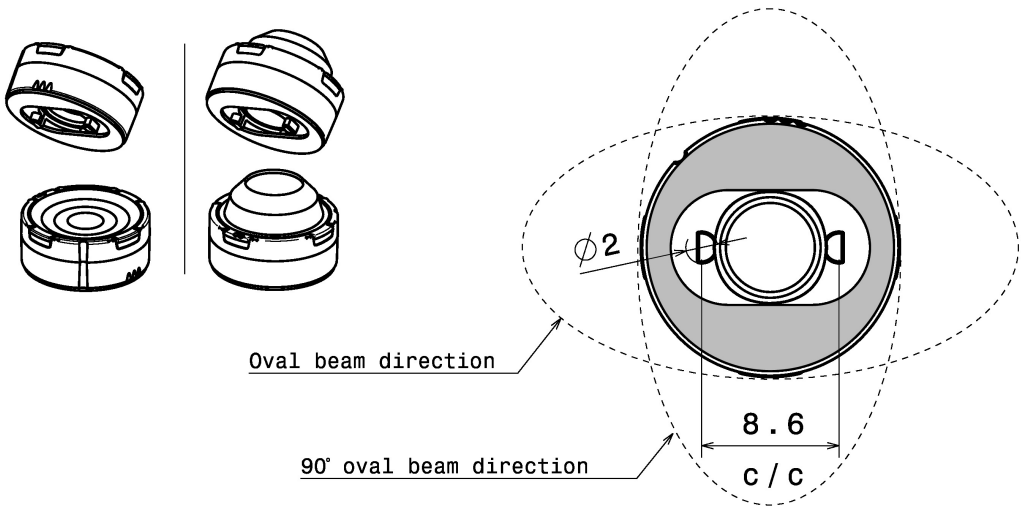
Dimensions	Ø 16.1 mm
Height	7.1 mm
Fastening	tape, pin
ROHS compliant	yes

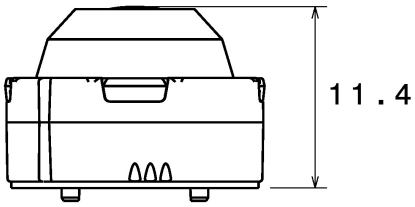
MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA3-WW	Single lens	PMMA	clear		16.3
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white		16.3
TINA-TAPE3	Tape	Acrylic foam	black		16.0

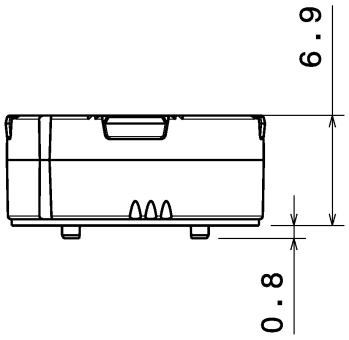
ORDERING INFORMATION:

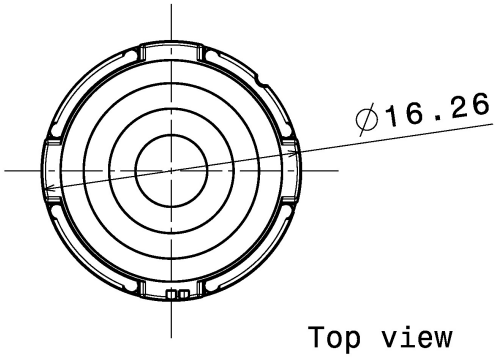
Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA11903_TINA3-WW » Box size: 470 x 240 x 105 mm	2016	288	288	3.2





Spot version height





Top view

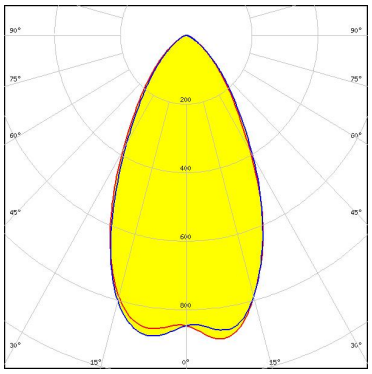
Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class F, otherwise class M. According to DIN ISO 2768-2 Form and position: class K	Ledil Oy Salorankatu 10 FIN 24240 SALO Finland
THIRD ANGLE PROJECTION:	DRAWING TITLE TINA3 Datasheet
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."	SIZE A4 / PART NUMBER -
	SCALE 4:3 / WEIGHT - / SHEET 1/1

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XM-L
FWHM / FWTM	56.0° / 100.0°
Efficiency	91 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



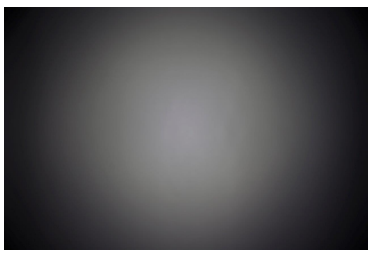
Light distribution files

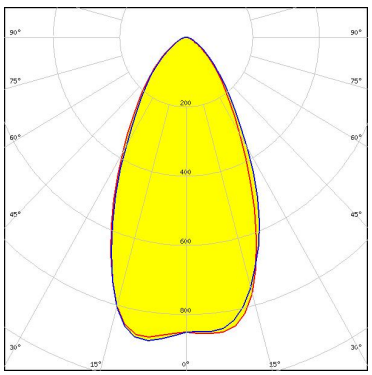
CREE LEDs

LED	XM-L2
FWHM / FWTM	56.0° / 101.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	

CREE LEDs

LED	XP-L HD
FWHM / FWTM	53.0° / 103.0°
Efficiency	91 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



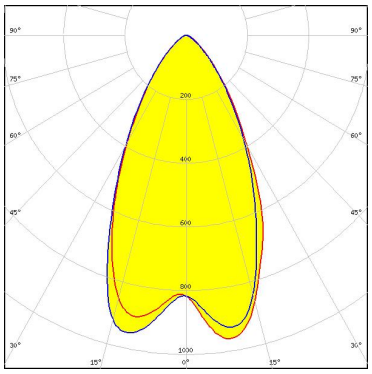


Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

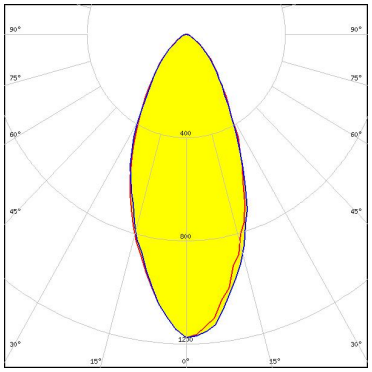
LED	XP-L HI
FWHM / FWTM	54.0° / 94.0°
Efficiency	91 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

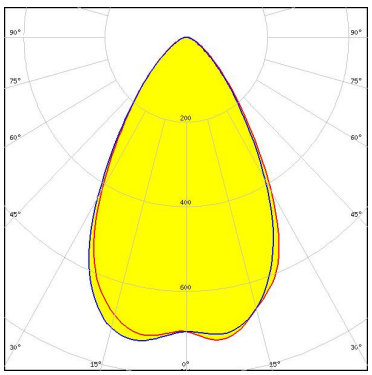
LED	XT-E
FWHM / FWTM	46.0° / 96.0°
Efficiency	92 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NS9x383
FWHM / FWTM	65.0° / 108.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

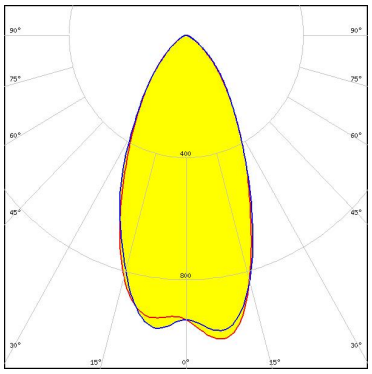


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSW219F
FWHM / FWTM	51.0° / 98.0°
Efficiency	92 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

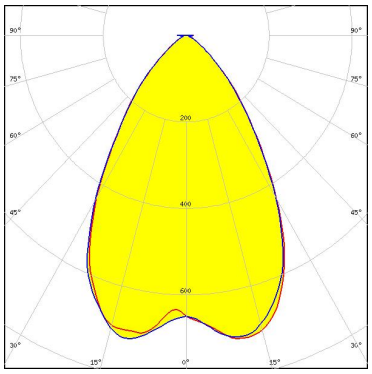


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XD16
FWHM / FWTM	61.0° / 101.0°
Efficiency	91 %
Peak intensity	0.8 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



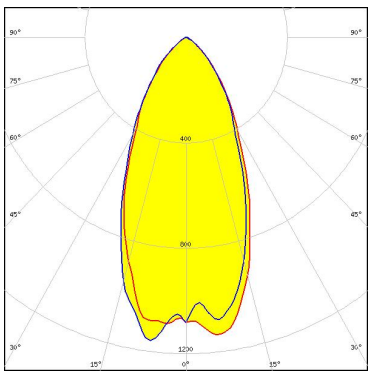
Light distribution files

CREE LEDs

LED	XM-L HVW
FWHM / FWTM	62.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

CREE LEDs

LED	XP-G2
FWHM / FWTM	49.0° / 95.0°
Efficiency	95 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

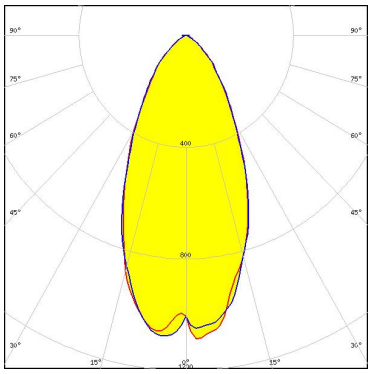


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

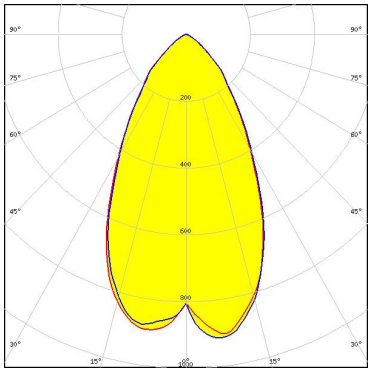
LED	XP-G3
FWHM / FWTM	48.0° / 96.0°
Efficiency	92 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

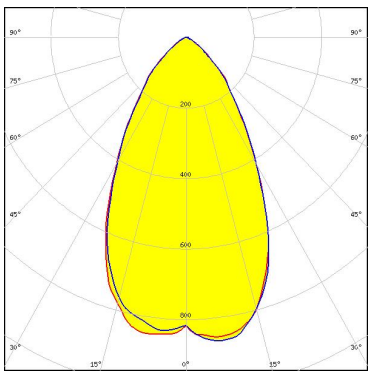
LED	LUXEON HL2X
FWHM / FWTM	57.0° / 102.0°
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351B
FWHM / FWTM	59.0° / 102.0°
Efficiency	94 %
Peak intensity	0.9 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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