TINA3-WWW
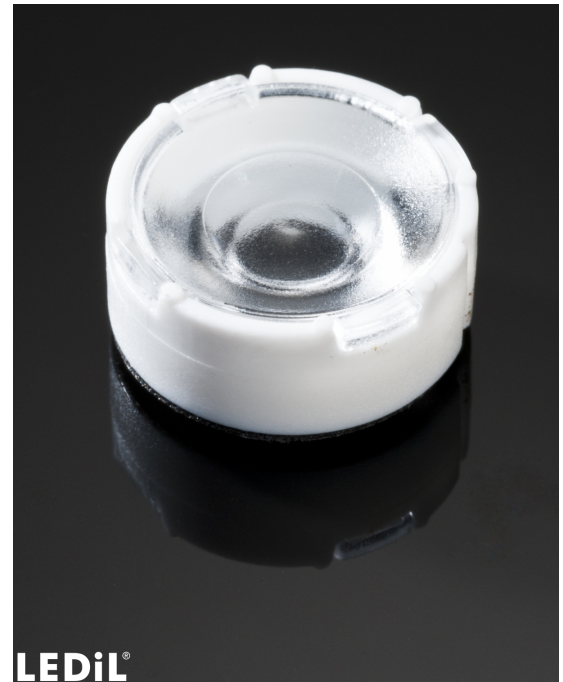
~70° wide beam optimized for CREE XP-E. Assembly with holder, installation tape and location pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
TINA3-WWW	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)
FA11904_TINA3-WWW	Single lens	2016	288	288	3.0

» Box size:

D C B A

4 4

$\emptyset 2$

Oval beam direction

8.6

c / c

90° oval beam direction

3 3

6.9

11.4

Spot version height

0.8

$\emptyset 16.26$

2 2

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

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Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
TINA3 Datasheet

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reproduced, copied or
communicated without a written
agreement with LEDiL Oy."

SIZE	PART NUMBER
A4	-

| SCALE 4:3 | WEIGHT - | SHEET 1/1 |

D A

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

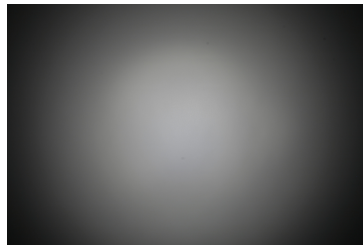|	
LED	XM-L
FWHM / FWTM	70.0° / 122.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
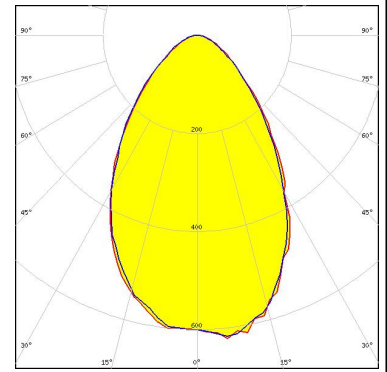
LED	XM-L2
FWHM / FWTM	71.0° / 110.0°
Efficiency	88 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
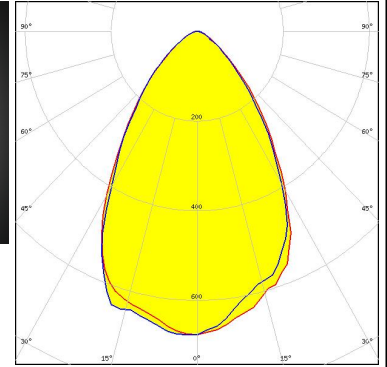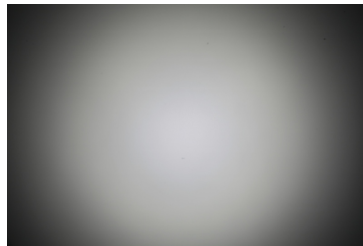
LED	XP-G2
FWHM / FWTM	67.0° / 107.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
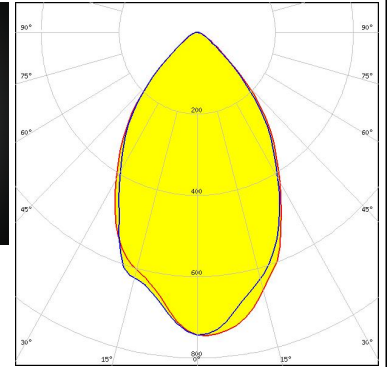
LED	XP-L HD
FWHM / FWTM	65.0° / 112.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

CREE LEDs
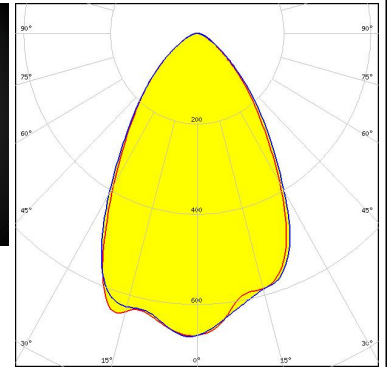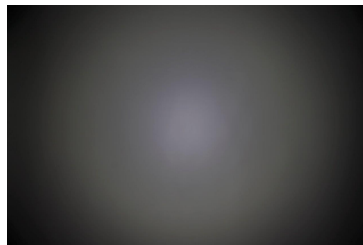
LED	XP-L HI
FWHM / FWTM	67.0° / 101.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
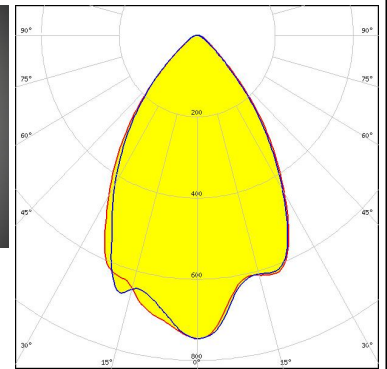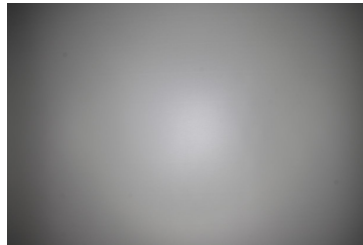
LED	XT-E
FWHM / FWTM	60.0° / 110.0°
Efficiency	88 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA
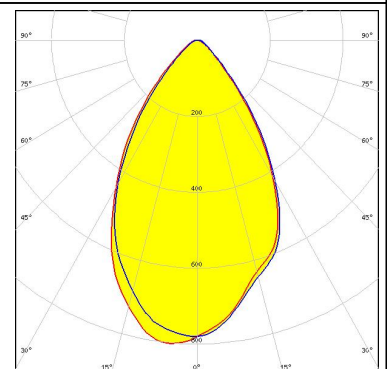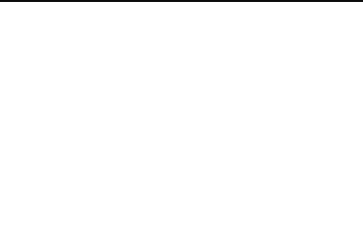
LED	NS9x383
FWHM / FWTM	72.0° / 114.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA
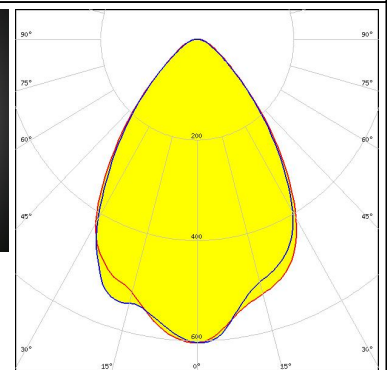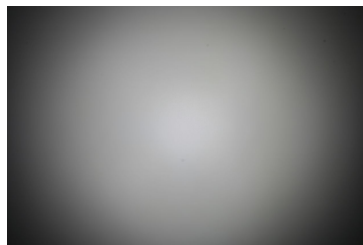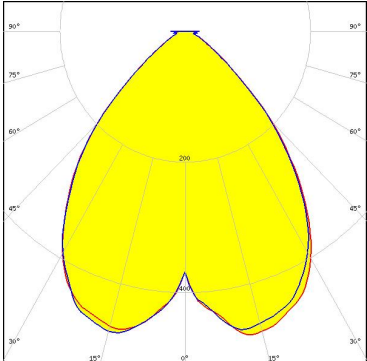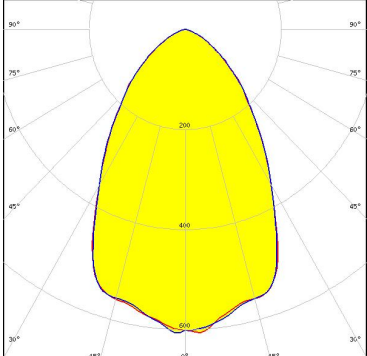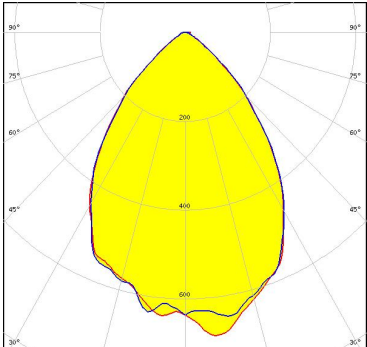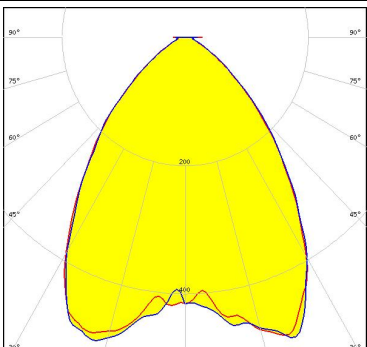
LED	NVSW219F
FWHM / FWTM	64.0° / 107.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	65.0° / 106.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

CREE LEDs	
LED	XD16
FWHM / FWTM	77.0° / 116.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	

CREE LEDs	
LED	XHP35 HD
FWHM / FWTM	67.0° / 120.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs	
LED	XHP35 HI
FWHM / FWTM	75.0° / 109.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs	
LED	XHP35.2 HD
FWHM / FWTM	79.0° / 120.0°
Efficiency	86 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XM-L HVW
FWHM / FWTM	80.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XP-G3
FWHM / FWTM	76.0° / 113.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS
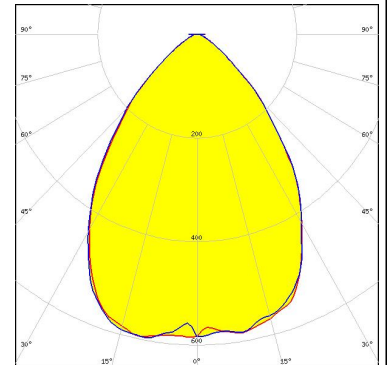
LED	LUXEON HL2X
FWHM / FWTM	81.0° / 113.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMINUS
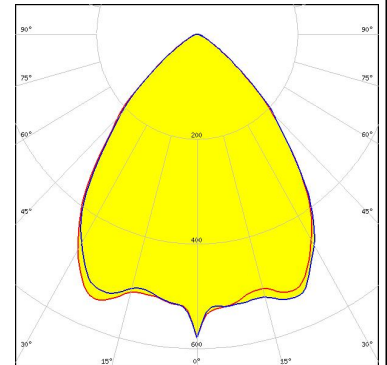
LED	SST-10-IR-B90
FWHM / FWTM	72.0° / 99.0°
Efficiency	92 %
LEDs/each optic	1
Light colour	IR
Required components:	

Polar intensity graph

Last update: 27/11/2023   Subject to change without prior notice   Published: 16/11/2018

OPTICAL RESULTS (SIMULATED):

NICHIA
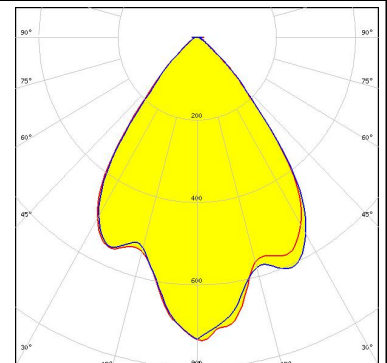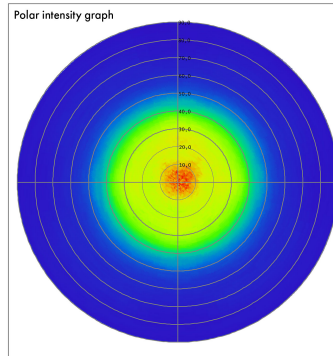
LED	NVSW3x9A
FWHM / FWTM	79.0° / 117.0°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Last update: 27/11/2023

Subject to change without prior notice

Published: 16/11/2018

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