TINA-Y-WW

~55° wide beam. Assembly with holder, installation tape and pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
TINA-Y-WW	Single lens	PMMA	clear	gloss
TINA-Y-HLD	Holder	PC	black	gloss
TINA-Y-TAPE	Tape	Acrylic foam		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18106_TINA-Y-WW	3900	300	300	5.8
» Box size: 476 x 273 x 197 mm				

6.57

Ø2 ±0.08

Ø2 ±0.08

6.57

8.6 ±0.1
center to center

10 ±0.2

0.8

A PCB level ●

Ø16.1 ±0.15

①
③
②

Oval beam direction
Pos. pin

CA18102_TINA-Y-RS
CA18103_TINA-Y-SS
CA18104_TINA-Y-M
CA18105_TINA-Y-W
CA18106_TINA-Y-WW
CA18107_TINA-Y-O

DATE
01.09.2021

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C18095_TINA-Y-RS	Lens	Pmma	Clear
1	C18096_TINA-Y-SS	Lens	Pmma	Clear
1	C18097_TINA-Y-M	Lens	Pmma	Clear
1	C18098_TINA-Y-W	Lens	Pmma	Clear
1	C18099_TINA-Y-WW	Lens	Pmma	Clear
1	C18100_TINA-Y-O	Lens	Pmma	Clear
2	C18101_TINA-Y-HLD	Holder	Pc	Black
3	C18361_TINA-Y-TAPE	Tape	2-sided tape	Black

MECHANICAL DRAWING

PRODUCT
Tina-Y family

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

| SCALE | 1:1 | WEIGHT - | A3 | SHEET 1/1 |

Notes
● PCB or heatsink level.
● LED location
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

|	
LED	XP-G3
FWHM / FWTM	53.0° / 73.0°
Efficiency	78 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs
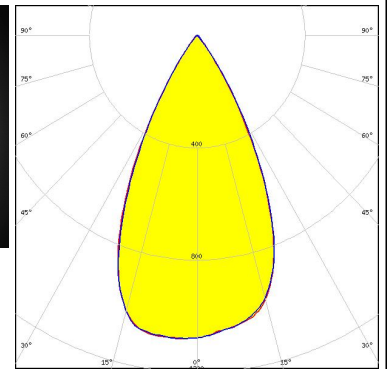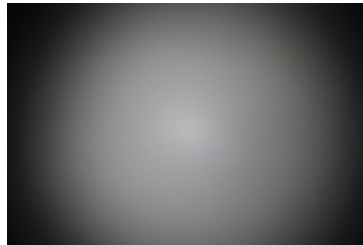
LED	XP-G4
FWHM / FWTM	57.0° / 77.0°
Efficiency	84 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA
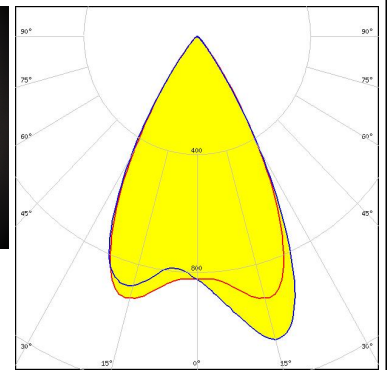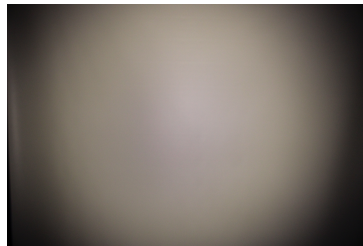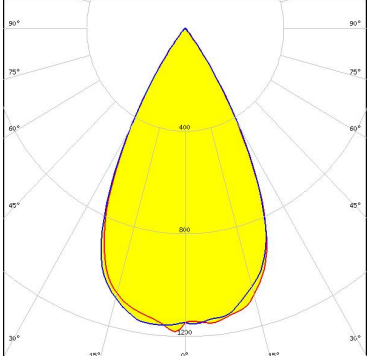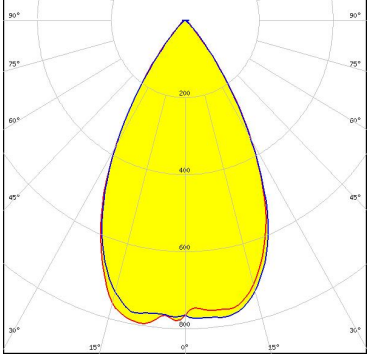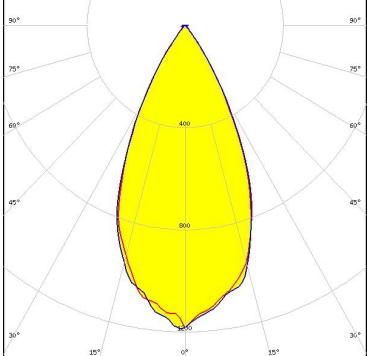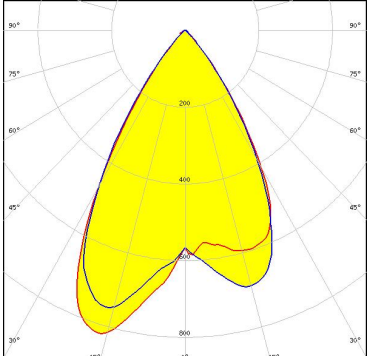
LED	NVSW719AC
FWHM / FWTM	55.0° / 74.0°
Efficiency	84 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors
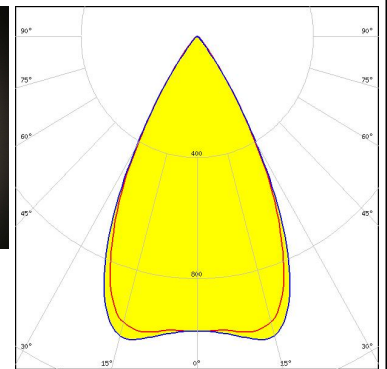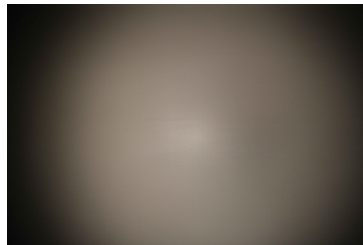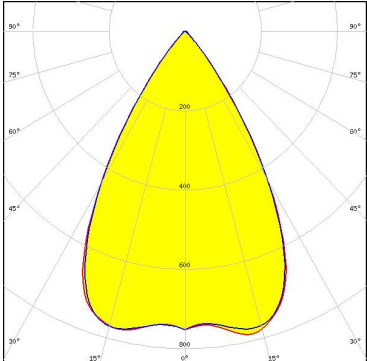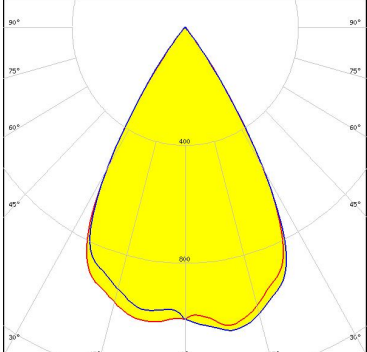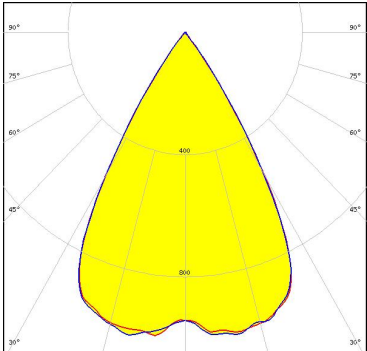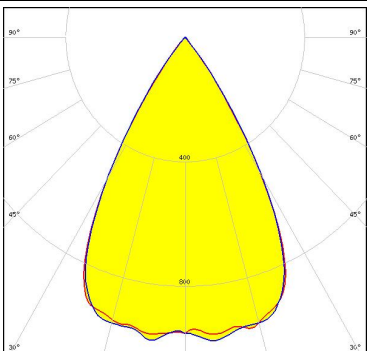
LED	OSCONIQ C 3030
FWHM / FWTM	45.0° / 66.0°
Efficiency	83 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
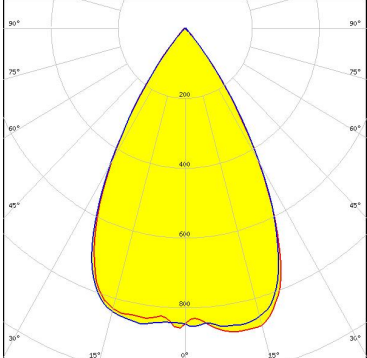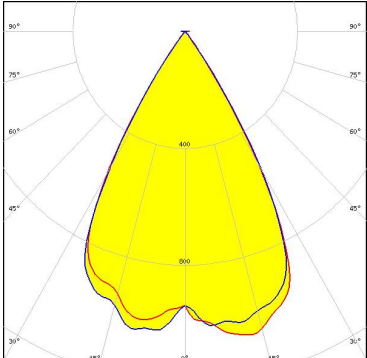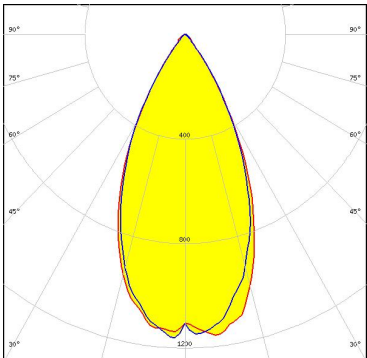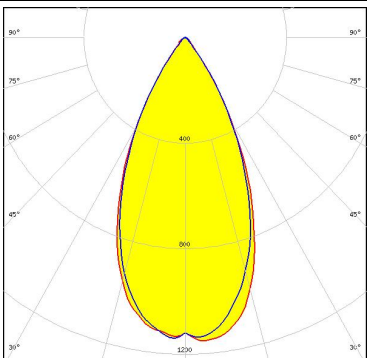
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	J Series 2835
FWHM / FWTM	55.0° / 74.0°
Efficiency	88 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XHP35.2 HD
FWHM / FWTM	58.0° / 82.0°
Efficiency	71 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	50.0° / 72.0°
Efficiency	78 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XM-L RGBW (XMLDCL HD)
FWHM / FWTM	62.0° / 84.0°
Efficiency	77 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	
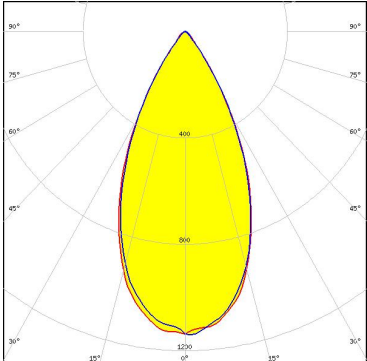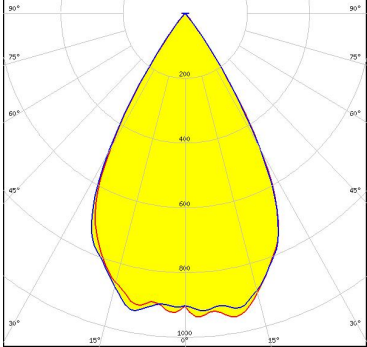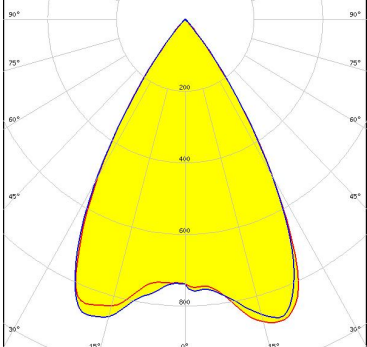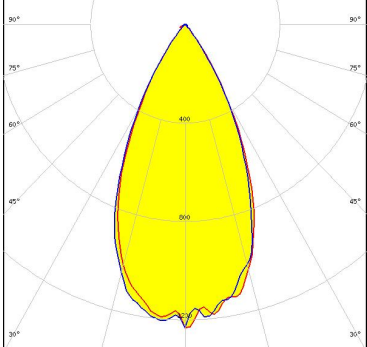
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XM-L3
FWHM / FWTM	60.0° / 80.0°
Efficiency	77 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XP-E
FWHM / FWTM	60.0° / 76.0°
Efficiency	89 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XP-E2
FWHM / FWTM	59.0° / 74.0°
Efficiency	90 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XP-G2
FWHM / FWTM	60.0° / 77.0°
Efficiency	88 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

CREE LEDs	
LED	XP-L HD
FWHM / FWTM	60.0° / 80.0°
Efficiency	80 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs	
LED	XQ-E HI
FWHM / FWTM	60.0° / 73.0°
Efficiency	89 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS	
LED	LUXEON 5050 Round LES
FWHM / FWTM	50.0° / 76.0°
Efficiency	81 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS	
LED	LUXEON 5050 Round LES
FWHM / FWTM	50.0° / 76.0°
Efficiency	81 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	50.0° / 76.0°
Efficiency	80 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON C
FWHM / FWTM	60.0° / 76.0°
Efficiency	80 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	62.0° / 80.0°
Efficiency	85 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	49.0° / 74.0°
Efficiency	83 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON TX
FWHM / FWTM	56.0° / 75.0°
Efficiency	86 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
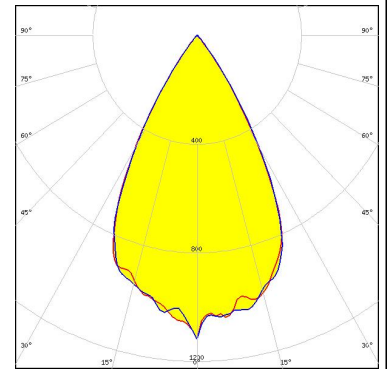
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	56.0° / 71.0°
Efficiency	89 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
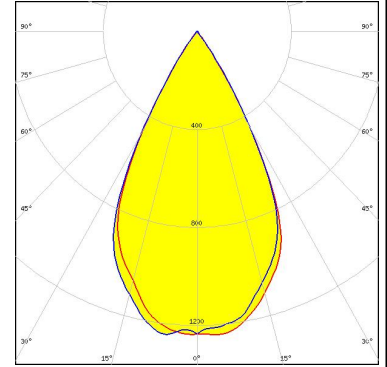
NICHIA

LED	NVSW219F
FWHM / FWTM	60.0° / 79.0°
Efficiency	83 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
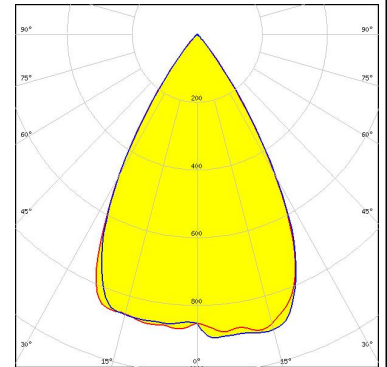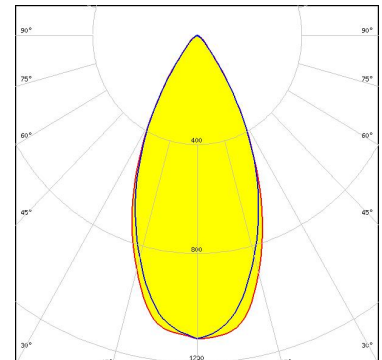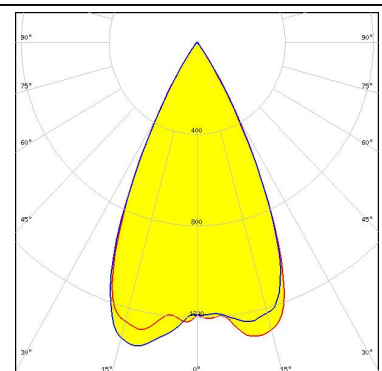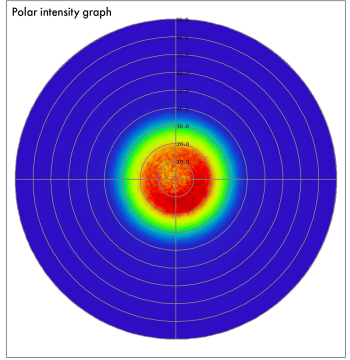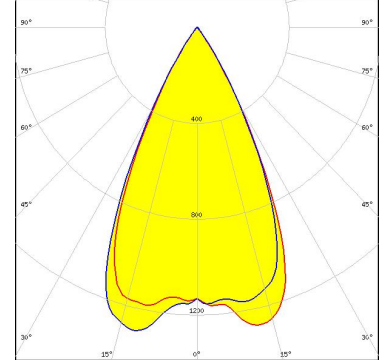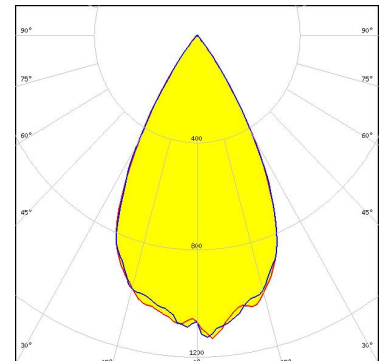
NICHIA

LED	NVSxE21A
FWHM / FWTM	48.0° / 66.0°
Efficiency	81 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

LED	Duris S8
FWHM / FWTM	49.0° / 78.0°
Efficiency	79 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	LZ1-00CW02
FWHM / FWTM	52.0° / 68.0°
Efficiency	90 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM Opto Semiconductors

LED	LZ1-00R702
FWHM / FWTM	53.0° / 70.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	IR
Required components:	

OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	55.0° / 75.0°
Efficiency	84 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351B
FWHM / FWTM	62.0° / 80.0°
Efficiency	84 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
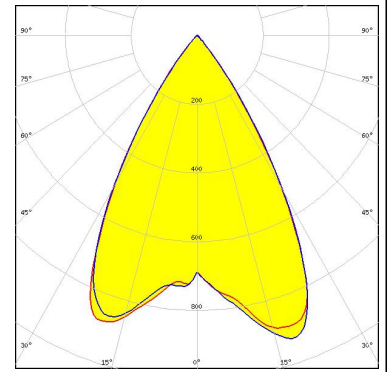
SAMSUNG

LED	LH351C
FWHM / FWTM	60.0° / 78.0°
Efficiency	84 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
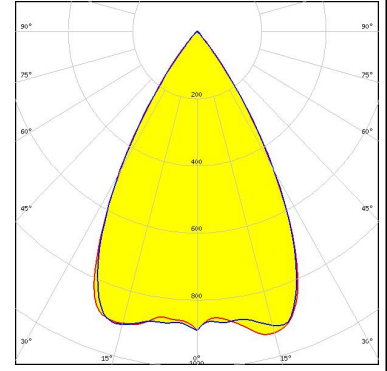
SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	46.0° / 68.0°
Efficiency	75 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	