FLARE-MINI-A

~100° x 20° oval beam. Assembly with installation tape.

SPECIFICATION:

Dimensions	Ø 16.0
Height	9.1 mm
Fastening	tape
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
FLARE-MINI-A	Single lens	PMMA	clear		
TINA-TAPE3	Tape	Acrylic foam tape	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12764_FLARE-MINI-A	Single lens	4600	230	230	6.7
» Box size:					

Bottom view

Isometric view

Front view

Top view

CA12764_FLARE-MINI-A
COMPONENTS

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C12763_FLARE-MINI-A	LENS	PMMA	CLEAR
2	C14480_TINA-TAPE3	TAPE	Acrylic foam	BLACK

MECHANICAL DRAWING

PRODUCT
FLARE-MINI

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 | 4:1 | WEIGHT | - | A3 | SHEET 1/1 |

DATE
13.12.2018

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	XB-D
FWHM / FWTM	130.0 + 21.0° / 119.0 + 172.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
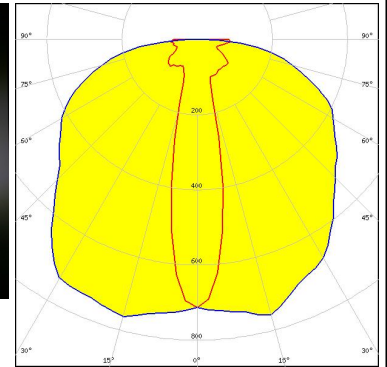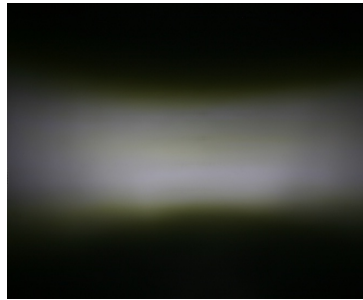
Light distribution files

CREE LEDs

LED	XP-E
FWHM / FWTM	113.0 + 20.0° / 171.0 + 22.0°
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
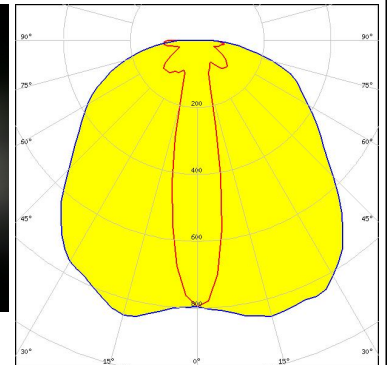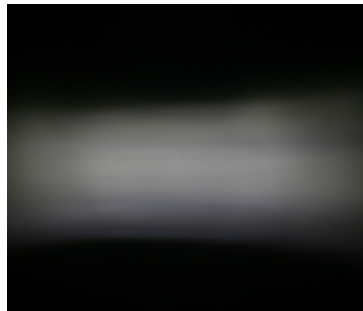
Light distribution files

CREE LEDs

LED	XP-E2
FWHM / FWTM	92.0 + 12.0° / 152.0 + 24.0°
Efficiency	94 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

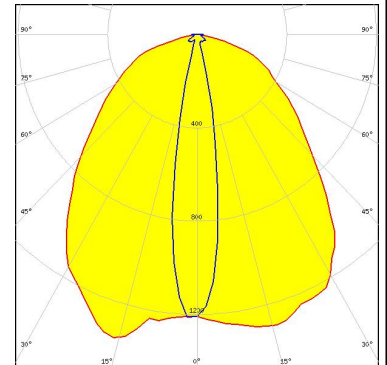Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs
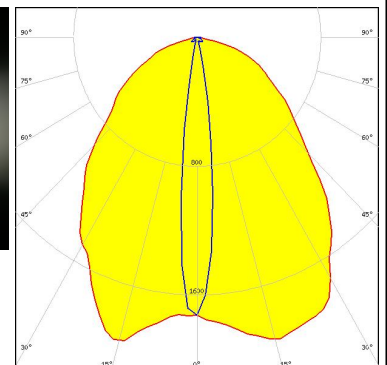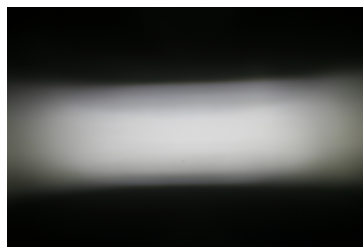
LED	XP-G
FWHM / FWTM	114.0 + 22.0° / 120.0 + 158.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
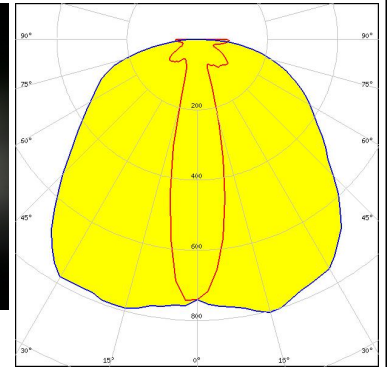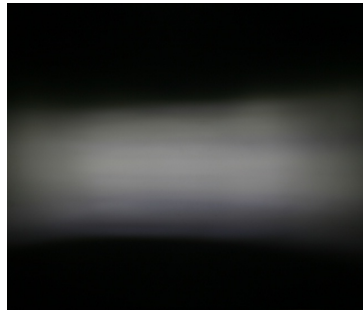
Light distribution files

CREE LEDs

LED	XP-G2
FWHM / FWTM	94.0 + 19.0° / 152.0 + 31.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

CREE LEDs

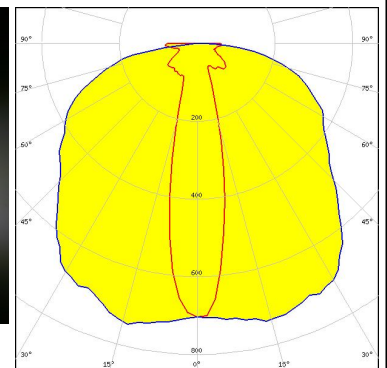| LED	XP-L HD
FWHM / FWTM	114.0 + 25.0° / 152.0 + 43.0°
Efficiency	91 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

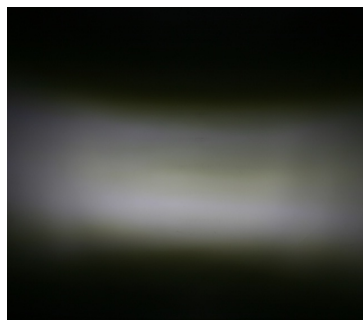Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs
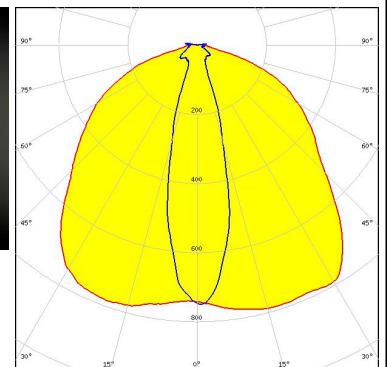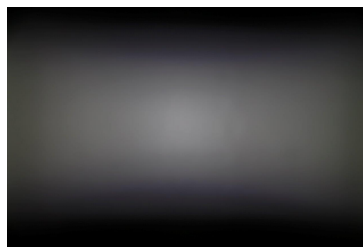
LED	XP-L2
FWHM / FWTM	100.0 + 28.0° / 153.0 + 49.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
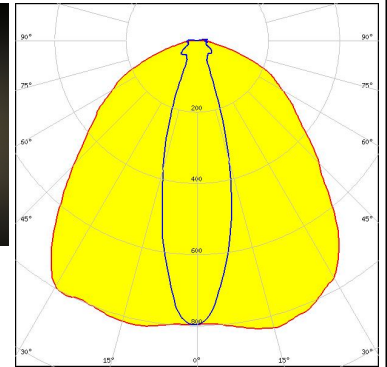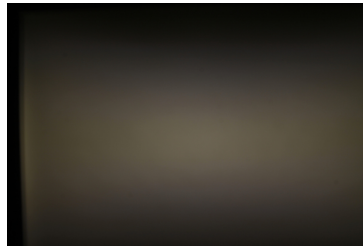
Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	124.0 + 22.0° / 119.0 + 173.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA

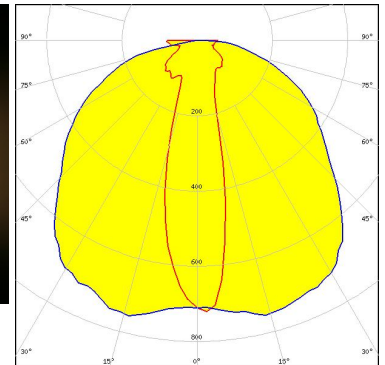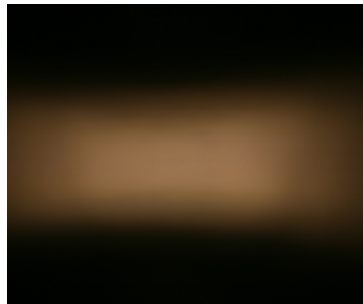|	
LED	NCSxx19A
FWHM / FWTM	112.0 + 20.0° / 104.0 + 167.0°
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA
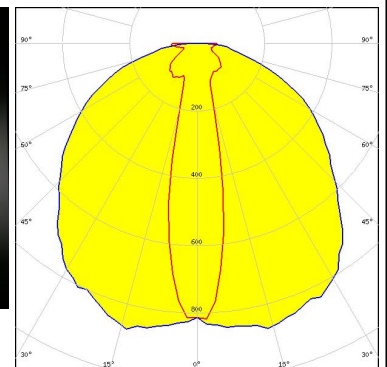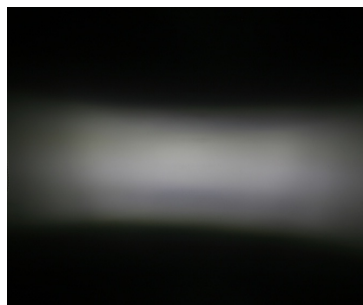
LED	NCSxx19B
FWHM / FWTM	95.0 + 15.0° / 151.0 + 27.0°
Efficiency	94 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM Opto Semiconductors
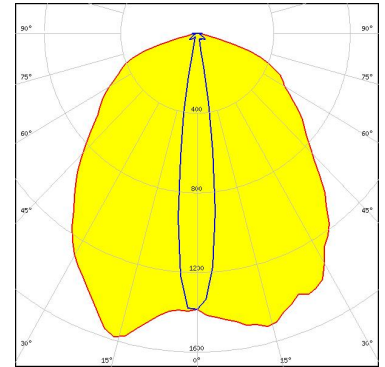
LED	OSLON Square PC
FWHM / FWTM	116.0 + 22.0° / 114.0 + 172.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	106.0 + 11.0° / 22.0 + 152.0°
Efficiency	93 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
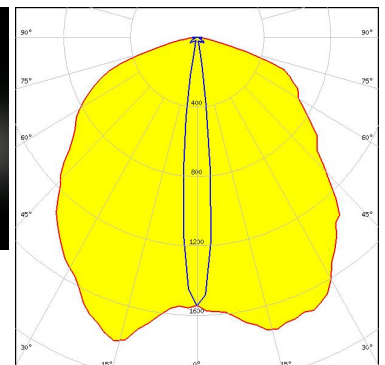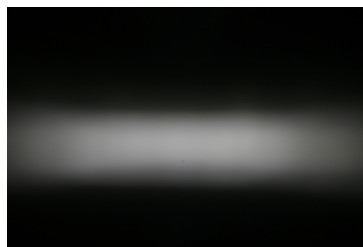
Light distribution files

## OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	84.0 + 12.0° / 23.0 + 144.0°
Efficiency	93 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
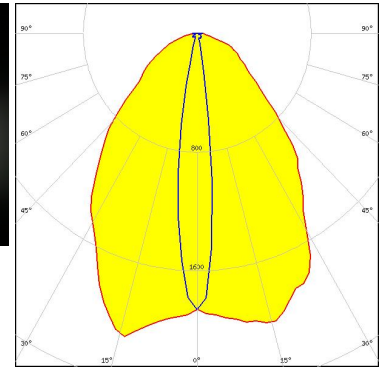
Light distribution files

SAMSUNG

LED	LH351Z
FWHM / FWTM	95.0 + 19.0° / 133.0 + 31.0°
Efficiency	94 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
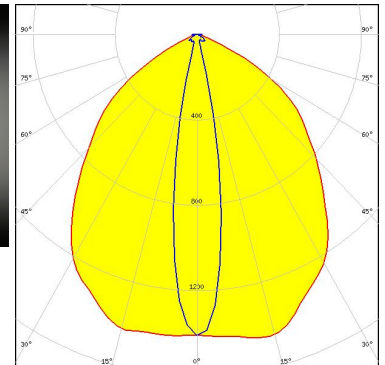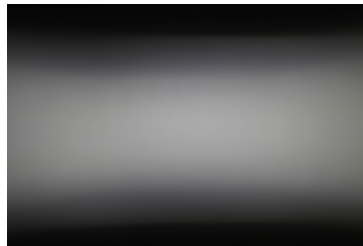
Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	115.0 + 21.0° / 154.0 + 34.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs
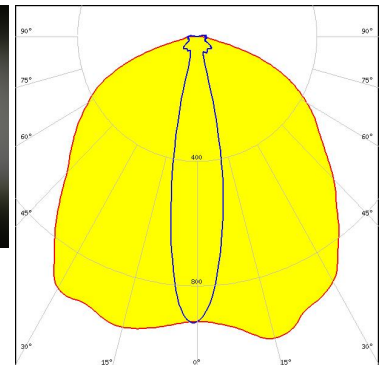
LED	XHP35 HD
FWHM / FWTM	31.0 + 96.0° / 51.0 + 146.0°
Efficiency	93 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
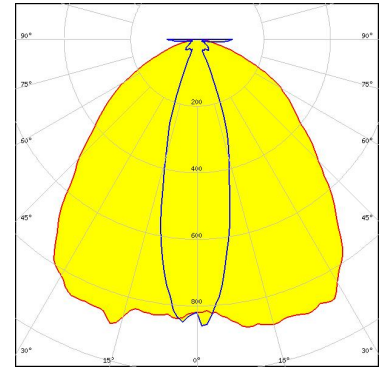
Light distribution files

CREE LEDs

LED	XHP35 HI
FWHM / FWTM	20.0 + 92.0° / 34.0 + 146.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	92.0 + 20.0° / 150.0 + 36.0°
Efficiency	93 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files
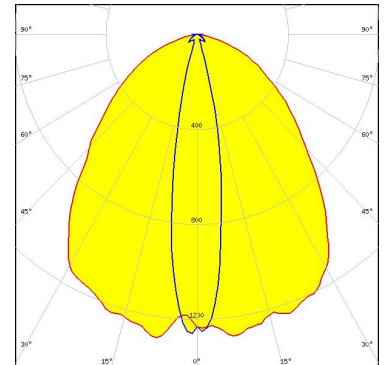
OPTICAL RESULTS (SIMULATED):

CREE LEDs
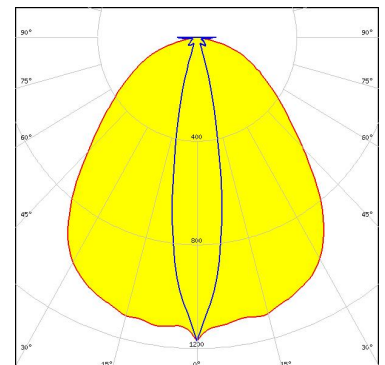
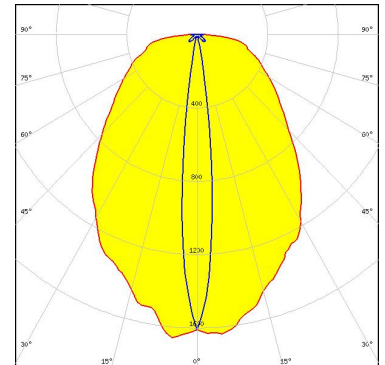|	
LED	XP-G4
FWHM / FWTM	88.0 + 18.0° / 127.0 + 32.0°
Efficiency	96 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
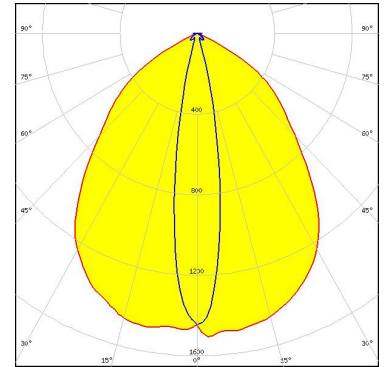
Light distribution files

LUMILEDS

LED	LUXEON C
FWHM / FWTM	11.0 + 84.0° / 21.0 + 168.0°
Efficiency	92 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	91.0 + 19.0° / 141.0 + 29.0°
Efficiency	95 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
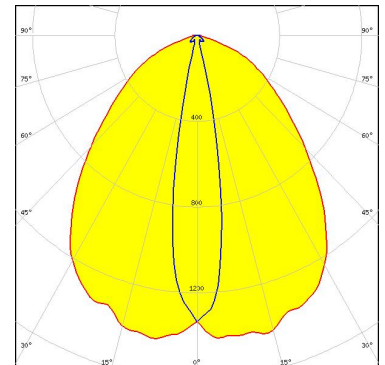
Light distribution files

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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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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