FLARE-B

29 x 23 mm lens with ~100° x 10° oval beam. Assembly with installation tape.

SPECIFICATION:

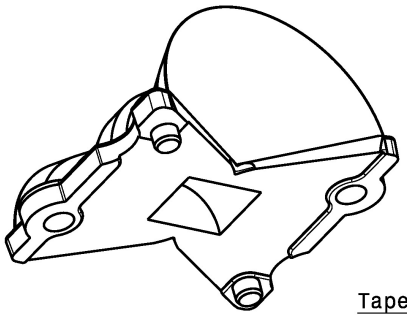
Dimensions	29.0 x 22.8
Height	12.8 mm
Fastening	tape, screw
ROHS compliant	yes

MATERIALS:

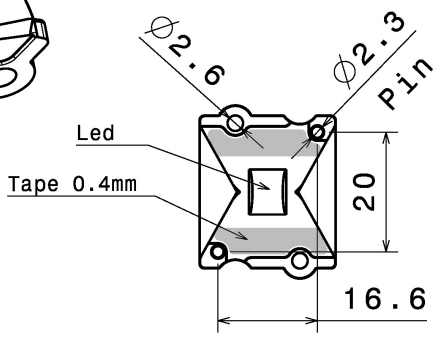
Component	Type	Material	Colour	Finish	Length (mm)
FLARE-B	Single lens	PMMA	clear		
FLARE-B-TAPE	Tape	Acryl tape	black		

ORDERING INFORMATION:

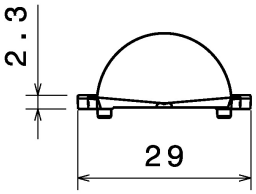
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA10932_FLARE-B	Single lens	2448	288	144	9.8
» Box size: 476 x 273 x 292 mm					



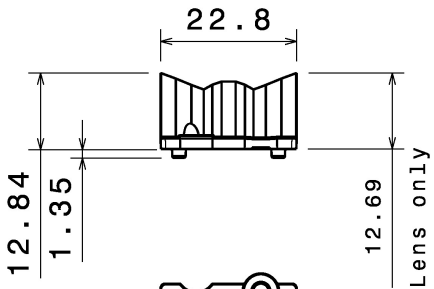
Isometric view
2:1



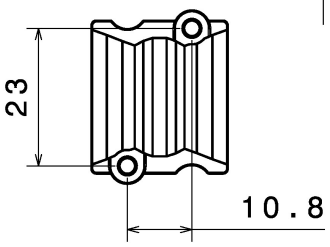
Bottom view



Right view



Front view



Top view

Part no.s:
CA10932_Flare-B

Part no. without tape fastening:
C10946_Flare-B

MATERIALS
Lens: PMMA
Tape Acrylic foam

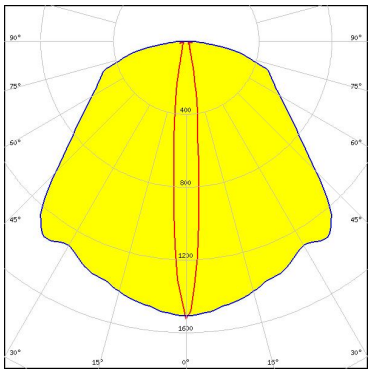
Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L	LEDiL	Ledil Oy Salorankatu 10 FIN 24240 SALO Finland		
THIRD ANGLE PROJECTION:	DRAWING TITLE FLARE-B series			
This drawing is the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

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

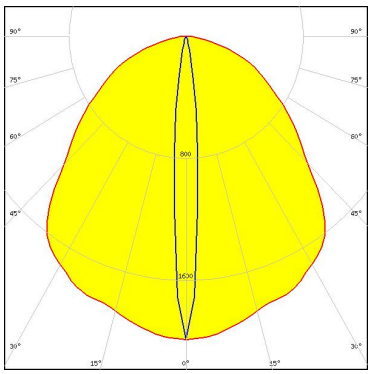
LED	XB-D
FWHM / FWTM	10.0 + 108.0° / 30.0 + 167.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

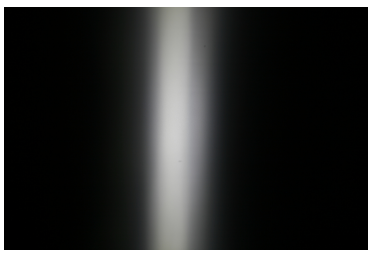
LED	XP-E
FWHM / FWTM	102.0 + 10.0° / 154.0 + 26.0°
Efficiency	93 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

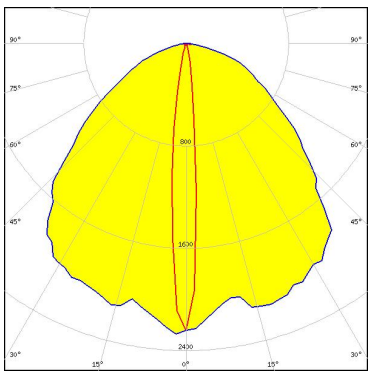


Light distribution files

CREE LEDs

LED	XP-E2
FWHM / FWTM	11.0 + 101.0° / 22.0 + 150.0°
Efficiency	94 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



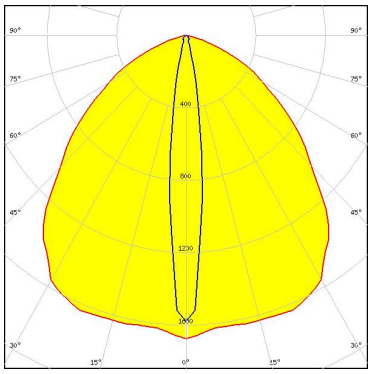


Light distribution files

OPTICAL RESULTS (MEASURED):

LUMILEDS

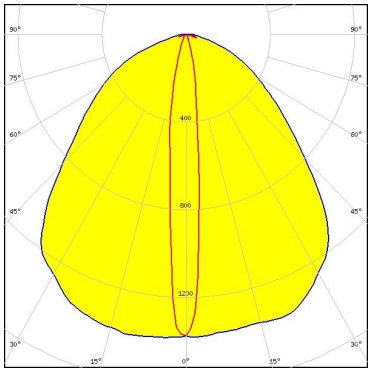
LED	LUXEON Rebel
FWHM / FWTM	101.0 + 14.0° / 142.0 + 29.0°
Efficiency	93 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

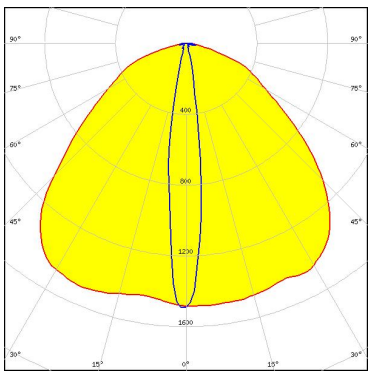
LED	LUXEON Rebel ES
FWHM / FWTM	12.0 + 104.0° / 35.0 + 154.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON T
FWHM / FWTM	13.0 + 105.0° / 29.0 + 152.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

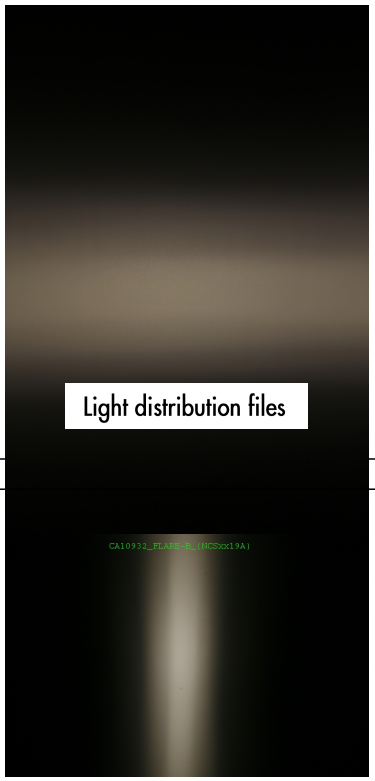


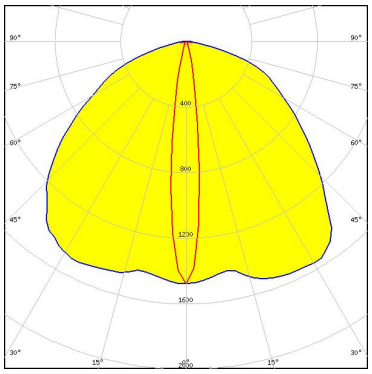
Light distribution files

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON TX
FWHM / FWTM	14.0 + 114.0° / 29.0 + 156.0°
Efficiency	93 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





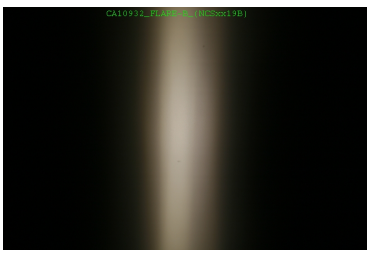
NICHIA

LED	NCSxx19A
FWHM / FWTM	9.0 + 88.0° / 26.0 + 154.0°
Efficiency	94 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA

LED	NCSxx19B
FWHM / FWTM	11.0 + 103.0° / 28.0 + 160.0°
Efficiency	94 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

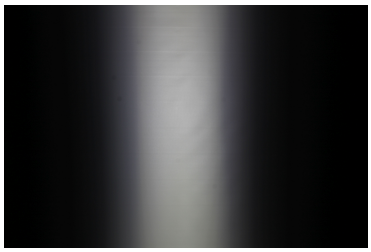


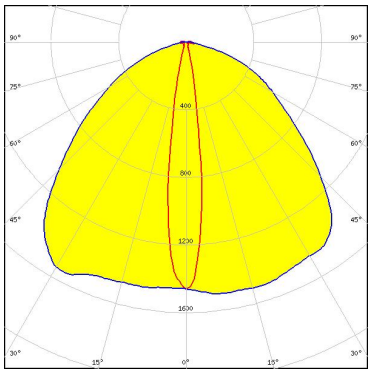
Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSW219F
FWHM / FWTM	15.0 + 108.0° / 28.0 + 150.0°
Efficiency	94 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

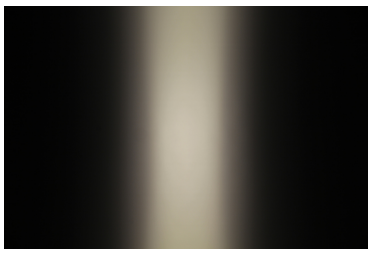


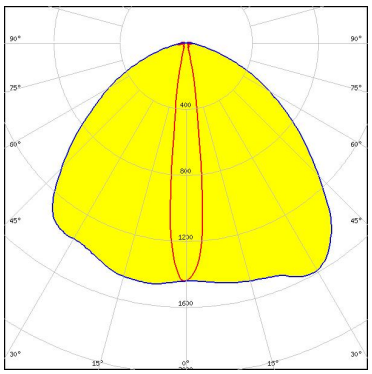


Light distribution files

NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	14.0 + 110.0° / 27.0 + 151.0°
Efficiency	94 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

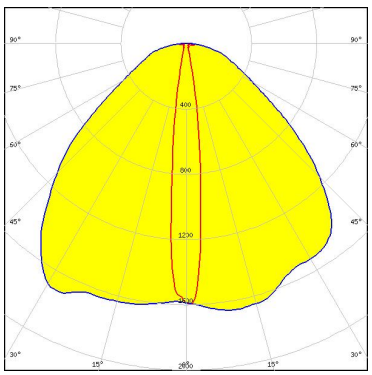




Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	13.0 + 104.0° / 26.0 + 157.0°
Efficiency	94 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OPTICAL RESULTS (MEASURED):

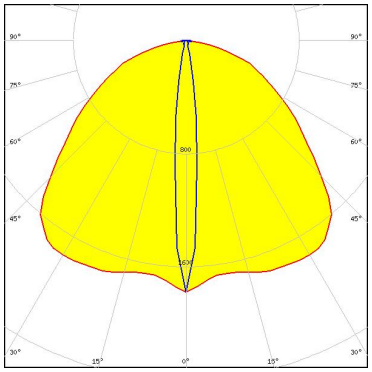
OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	12.0 + 104.0° / 33.0 + 162.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	9.0 + 117.0°
Efficiency	93 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

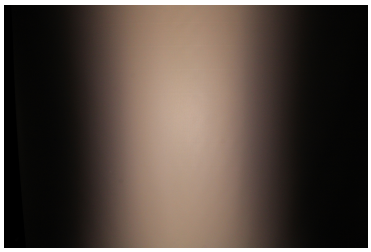
LED	OSLON SSL 80
FWHM / FWTM	83.0 + 11.0° / 144.0 + 24.0°
Efficiency	93 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

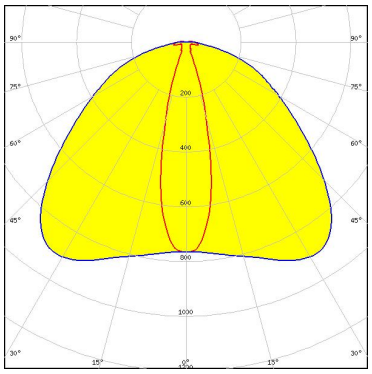
Light distribution files

OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	WICOP 5050
FWHM / FWTM	26.0 + 111.0° / 44.0 + 159.0°
Efficiency	97 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

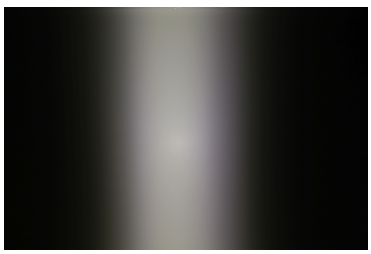
SEOUL SEMICONDUCTOR

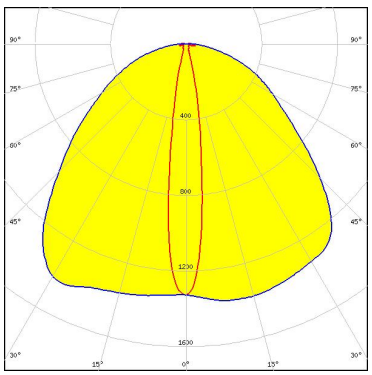
LED	Z5
FWHM / FWTM	12.0 + 96.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	15.0 + 108.0° / 30.0 + 161.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

OPTICAL RESULTS (MEASURED):

SHARP

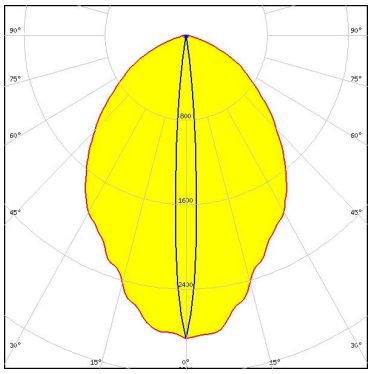
LED	Double Dome (GM2BB)
FWHM / FWTM	104.0 + 10.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

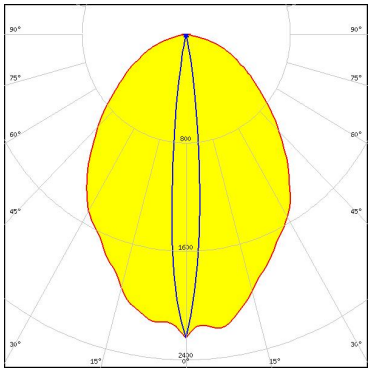
LED	XP-E2
FWHM / FWTM	82.0 + 8.0° / 140.0 + 16.0°
Efficiency	97 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

CREE LEDs

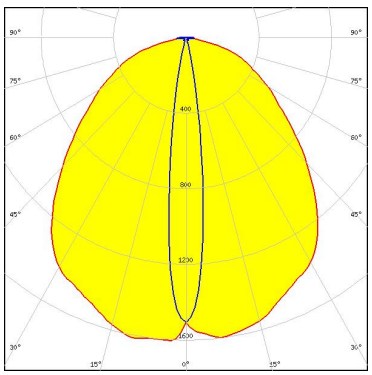
LED	XP-G2
FWHM / FWTM	11.0 + 83.0° / 21.0 + 146.0°
Efficiency	94 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	99.0 + 14.0° / 153.0 + 26.0°
Efficiency	95 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

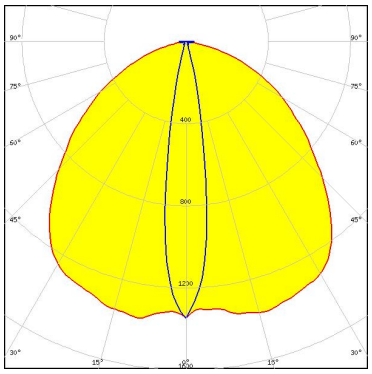


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

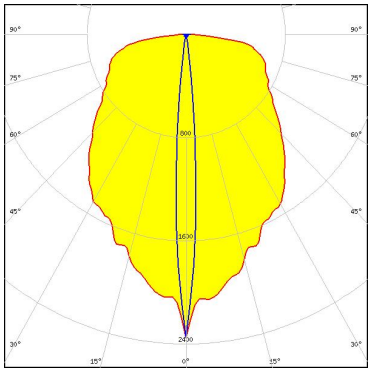
LED	XP-L HD
FWHM / FWTM	106.0 + 16.0° / 151.0 + 30.0°
Efficiency	97 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

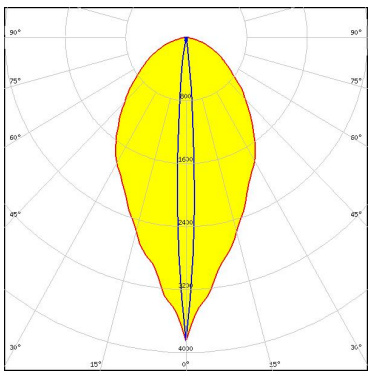
LED	LUXEON C
FWHM / FWTM	83.0 + 8.0° / 169.0 + 16.0°
Efficiency	94 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	6.0 + 54.0° / 15.0 + 134.0°
Efficiency	97 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	

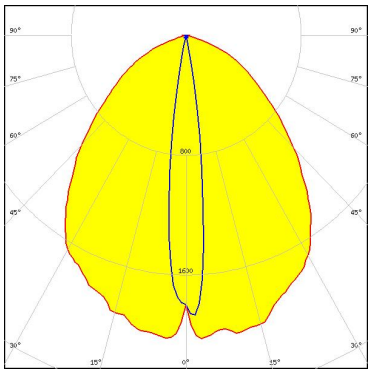


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

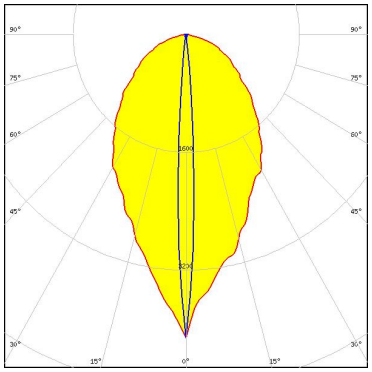
LED	LUXEON H50-2
FWHM / FWTM	13.0 + 90.0° / 22.0 + 140.0°
Efficiency	94 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

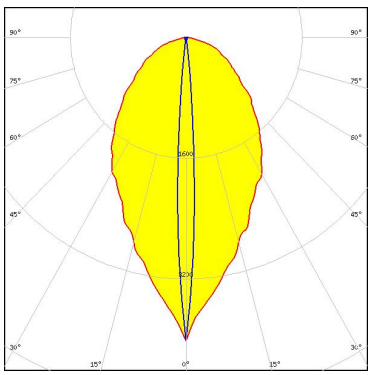
LED	LUXEON Rubix
FWHM / FWTM	61.0 + 6.0° / 140.0 + 12.0°
Efficiency	97 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour/type	Green
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	62.0 + 6.0° / 141.0 + 13.0°
Efficiency	97 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

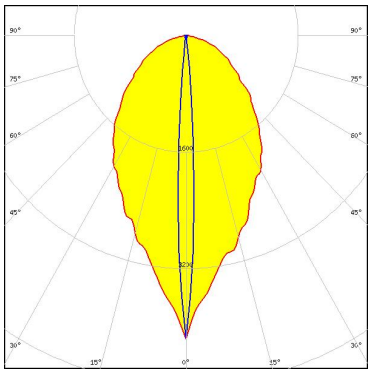


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

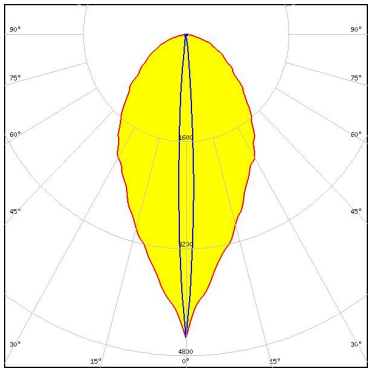
LED	LUXEON Rubix
FWHM / FWTM	60.0 + 6.0° / 140.0 + 12.0°
Efficiency	97 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

LUMILEDS

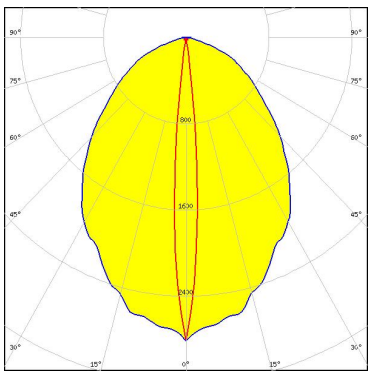
LED	LUXEON Rubix
FWHM / FWTM	52.0 + 6.0° / 134.0 + 12.0°
Efficiency	97 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	8.0 + 84.0° / 16.0 + 142.0°
Efficiency	97 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

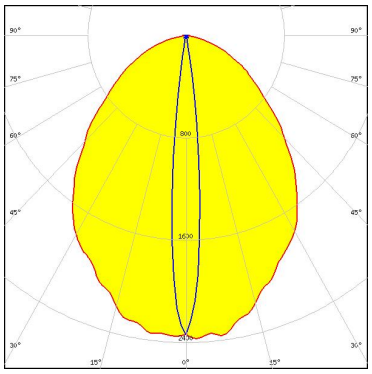


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMINUS

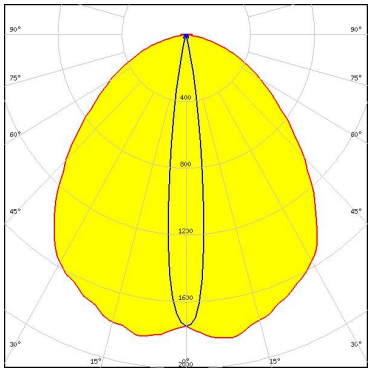
LED	SFT-40-WCS
FWHM / FWTM	88.0 + 10.0° / 145.0 + 20.0°
Efficiency	97 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

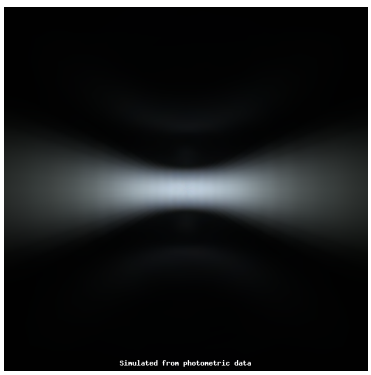
LED	SFT-70X-WCS
FWHM / FWTM	96.0 + 14.0° / 148.0 + 23.0°
Efficiency	98 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

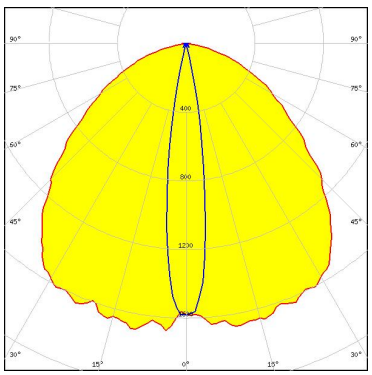


Light distribution files

LUMINUS

LED	SFT-70X-WES-Gen2
FWHM / FWTM	104.0 + 16.0° / 150.0 + 26.0°
Efficiency	97 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



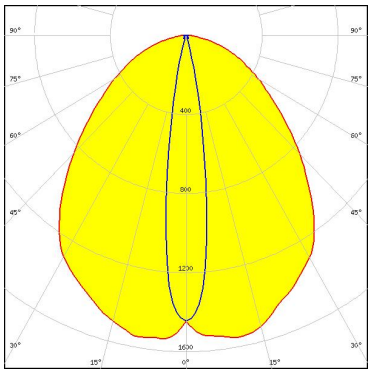


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

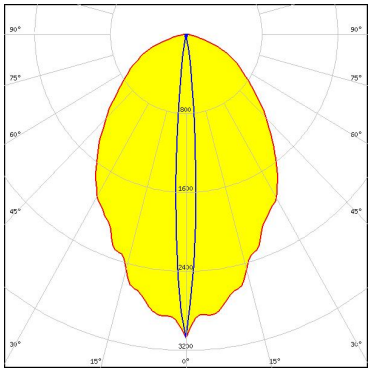
LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	94.0 + 16.0° / 150.0 + 28.0°
Efficiency	97 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

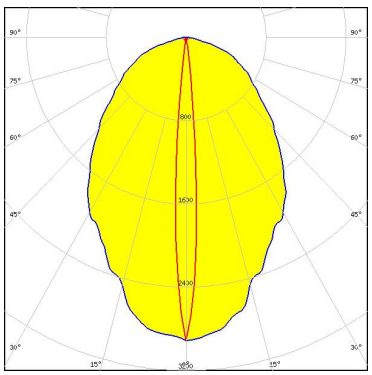
LED	OSLON Signal
FWHM / FWTM	75.0 + 8.0° / 143.0 + 16.0°
Efficiency	97 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Signal
FWHM / FWTM	8.0 + 81.0° / 15.0 + 148.0°
Efficiency	97 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

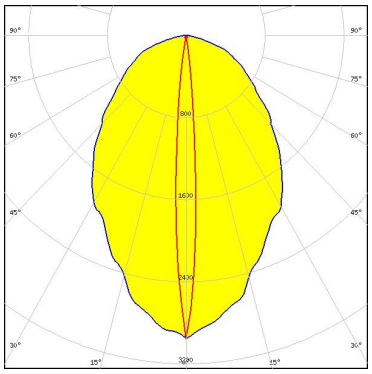


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

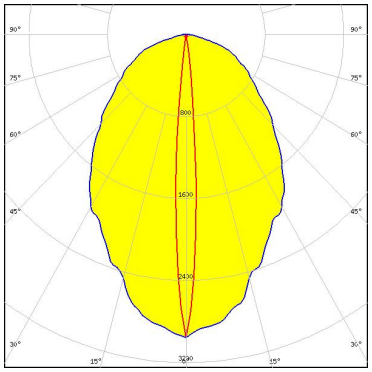
LED	OSLON Signal
FWHM / FWTM	8.0 + 79.0° / 16.0 + 148.0°
Efficiency	97 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

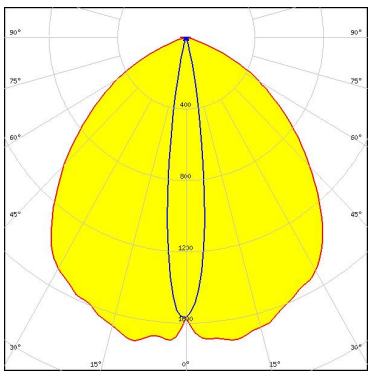
LED	OSLON Signal
FWHM / FWTM	8.0 + 80.0° / 14.0 + 148.0°
Efficiency	97 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351C
FWHM / FWTM	97.0 + 16.0° / 137.0 + 27.0°
Efficiency	97 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

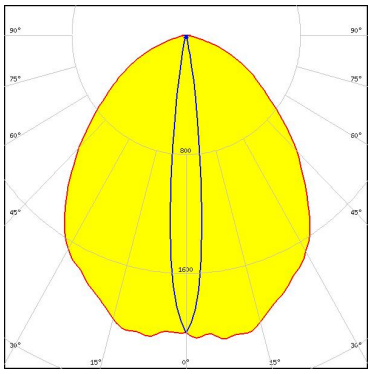


Light distribution files

OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	93.0 + 12.0° / 143.0 + 22.0°
Efficiency	97 %
Peak intensity	2.1 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.

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