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

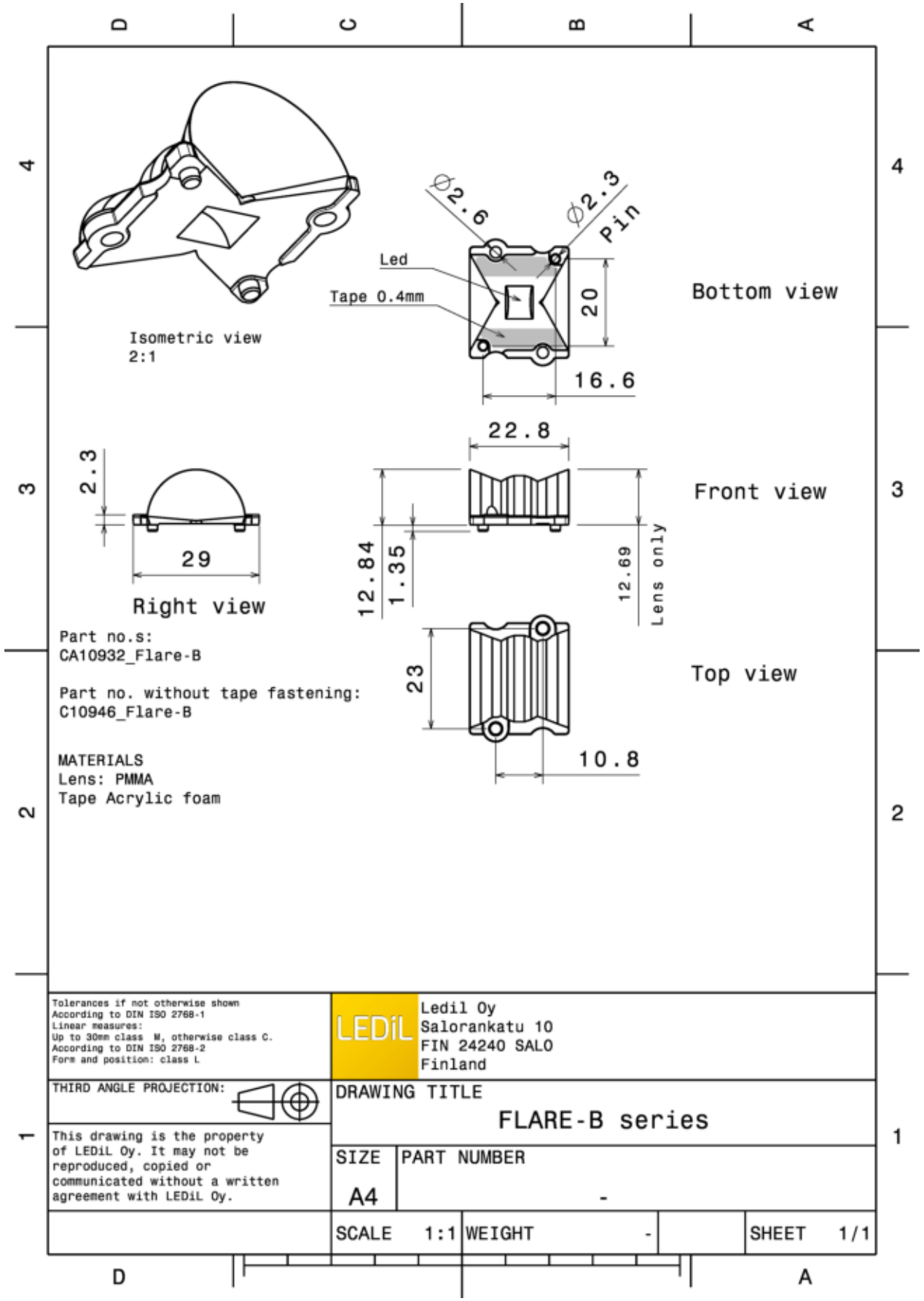
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
FLARE-B	Single lens	PMMA	clear		
» Box size: 460 x 250 x 300 mm					
FLARE-B-TAPE	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
C10946_FLARE-B	Single lens	2448	288	144	9.8
C10962_FLARE-B-TAPE	Tape	2448	288	144	9.8

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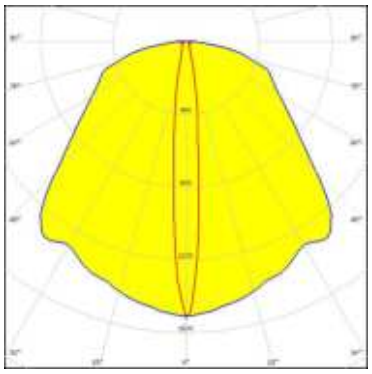
See also our general installation guide: www.ledil.com/installation_guide

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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:	

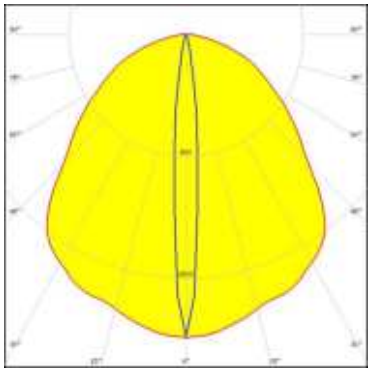


Light distribution files

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:	

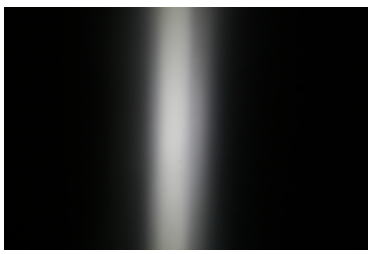


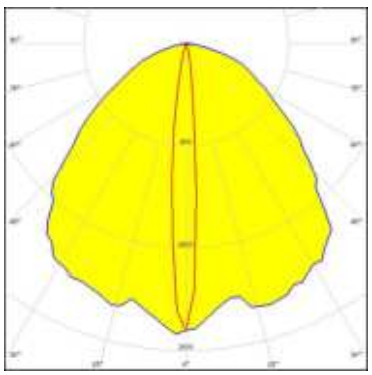


Light distribution files

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

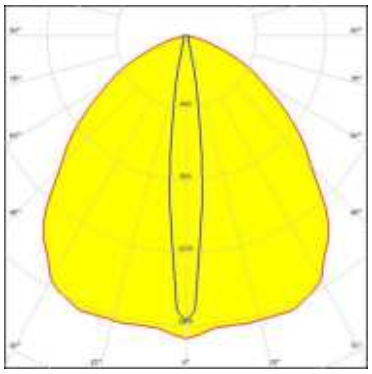
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OPTICAL RESULTS (MEASURED):

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:	

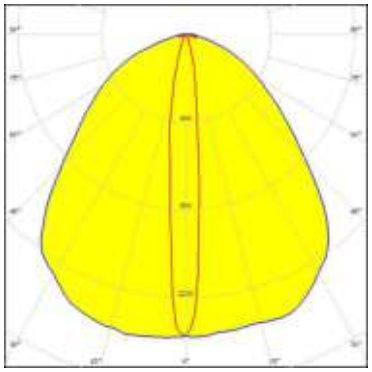




Light distribution files

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:	

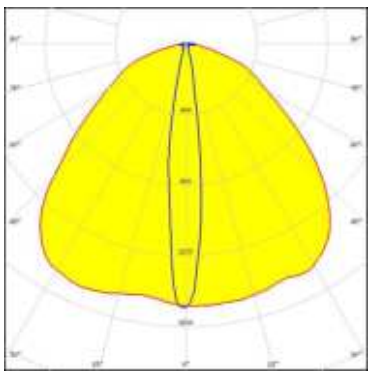


Light distribution files

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:	





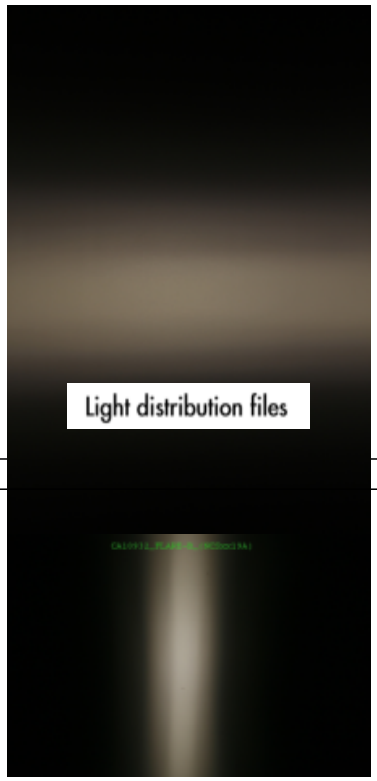
Light distribution files

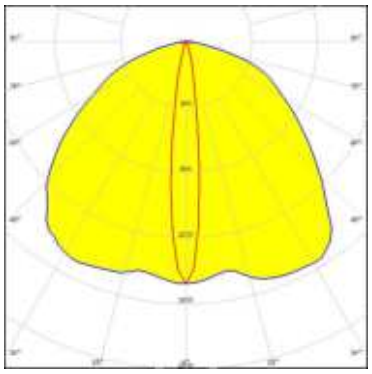
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OPTICAL RESULTS (MEASURED):

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:	



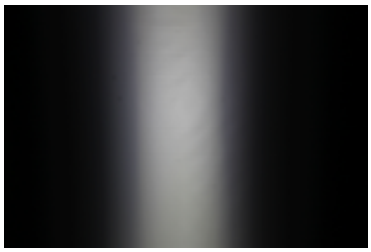
Light distribution files

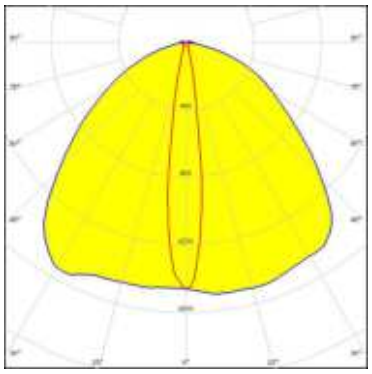
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OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSW219F-V2
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:	

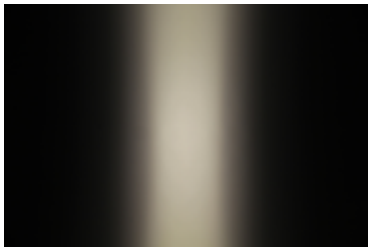


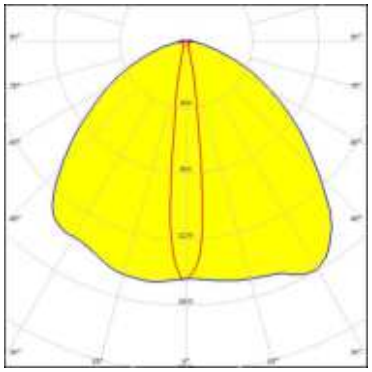


Light distribution files

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

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

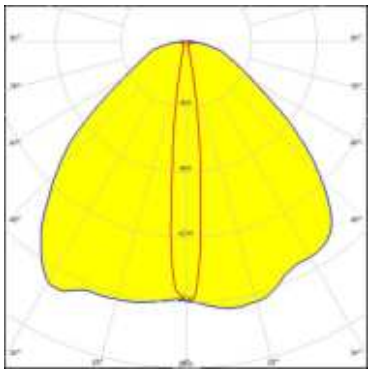
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OPTICAL RESULTS (MEASURED):

OSRAM

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:	



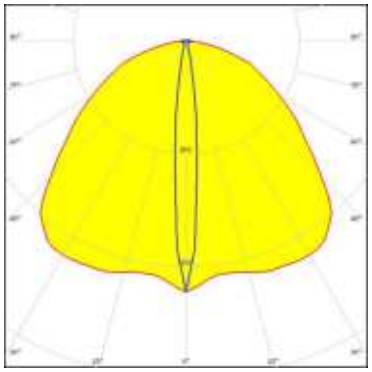


Light distribution files

OSRAM

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

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:	



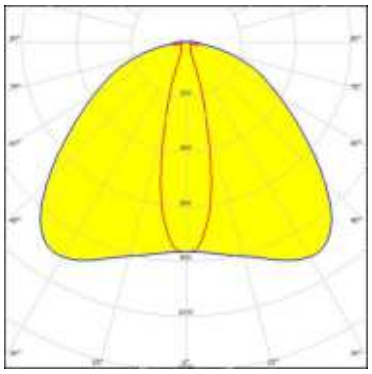
Light distribution files

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OPTICAL RESULTS (MEASURED):

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:	



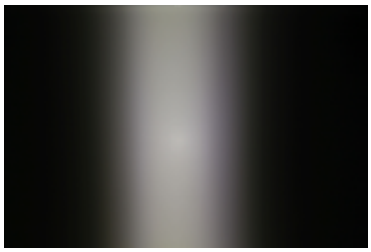


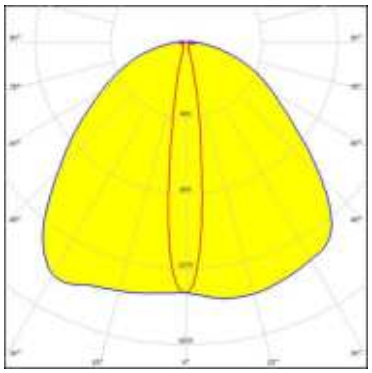
Light distribution files

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

Light distribution files

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

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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:	



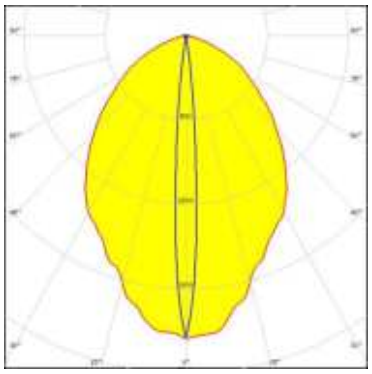
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

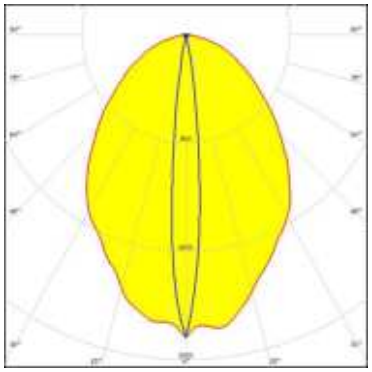
LED	XP-E2
FWHM / FWTM	82.0 + 8.0° / 140.0 + 16.0°
Efficiency	97 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

CREE LEDs

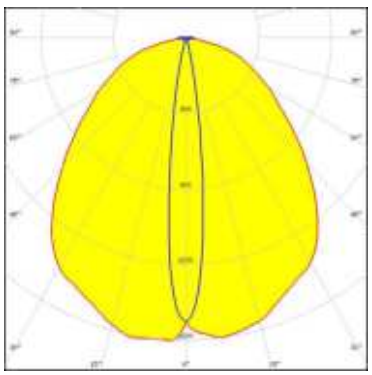
LED	XP-G2
FWHM / FWTM	11.0 + 83.0° / 21.0 + 146.0°
Efficiency	94 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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:	



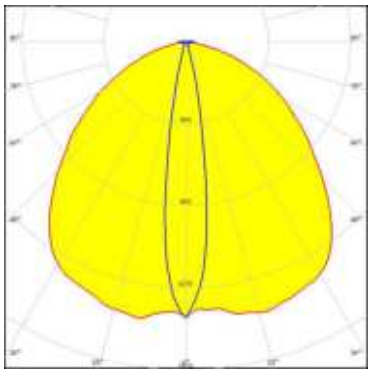
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

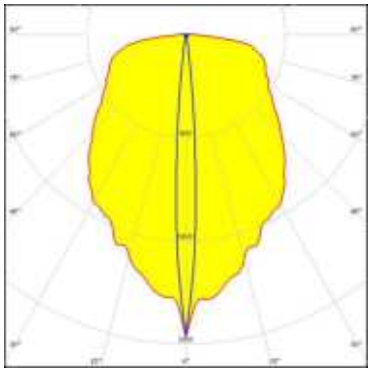
LED	XP-L HD
FWHM / FWTM	106.0 + 16.0° / 151.0 + 30.0°
Efficiency	97 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

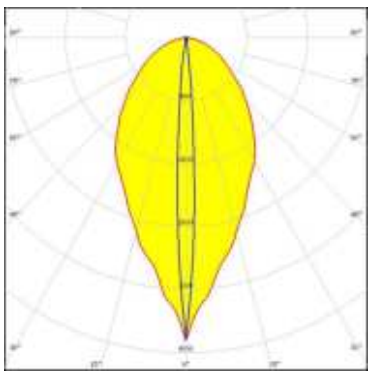
LED	LUXEON C
FWHM / FWTM	83.0 + 8.0° / 169.0 + 16.0°
Efficiency	94 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



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:	



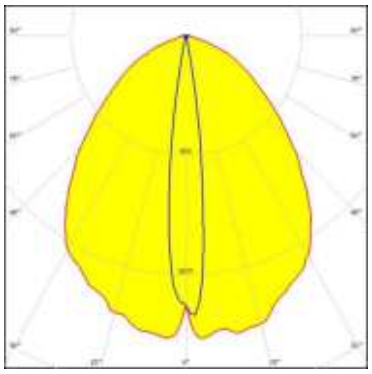
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMILEDS

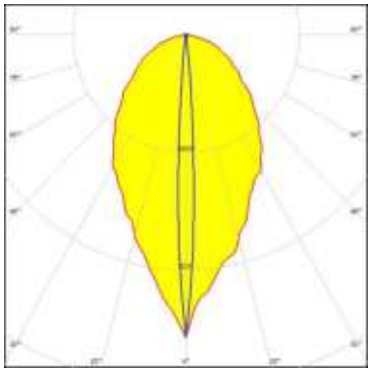
LED	LUXEON H50-2
FWHM / FWTM	13.0 + 90.0° / 22.0 + 140.0°
Efficiency	94 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

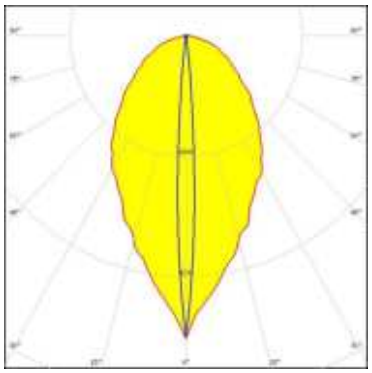
LED	LUXEON Rubix
FWHM / FWTM	61.0 + 6.0° / 140.0 + 12.0°
Efficiency	97 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour/type	Green
Required components:	



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:	



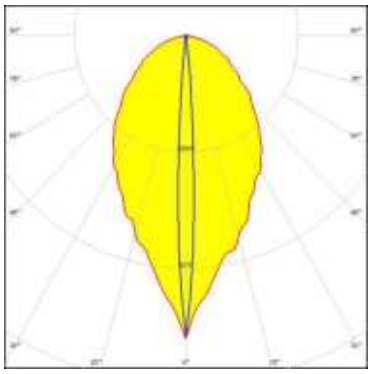
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMILEDS

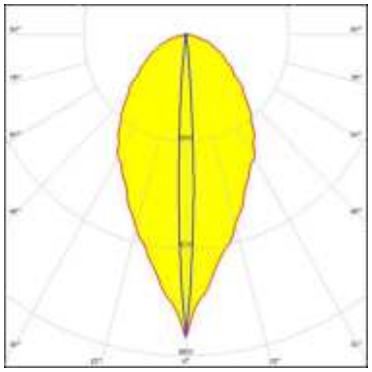
LED	LUXEON Rubix
FWHM / FWTM	60.0 + 6.0° / 140.0 + 12.0°
Efficiency	97 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

LUMILEDS

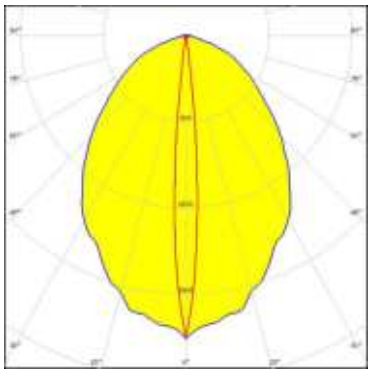
LED	LUXEON Rubix
FWHM / FWTM	52.0 + 6.0° / 134.0 + 12.0°
Efficiency	97 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	



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:	



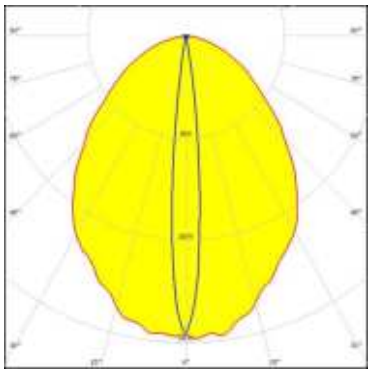
Light distribution files

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OPTICAL RESULTS (SIMULATED):

LUMINUS

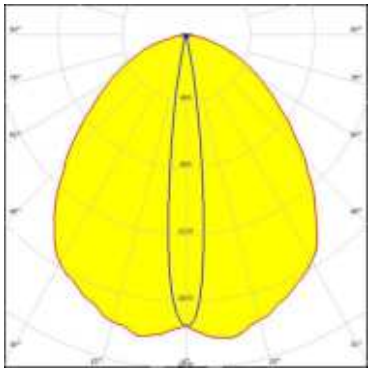
LED	SFT-40-WCS
FWHM / FWTM	88.0 + 10.0° / 145.0 + 20.0°
Efficiency	97 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

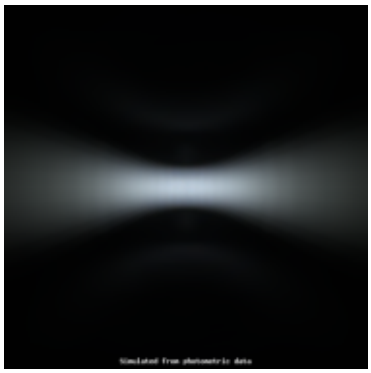
LED	SFT-70X-WCS
FWHM / FWTM	96.0 + 14.0° / 148.0 + 23.0°
Efficiency	98 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

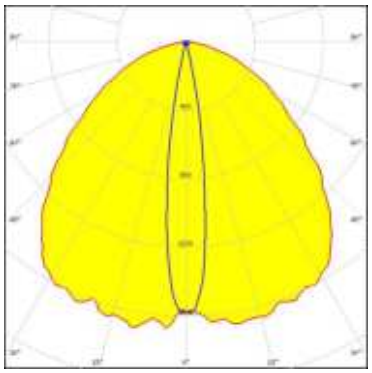


Light distribution files

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:	





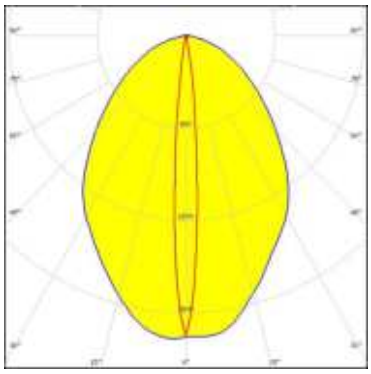
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

NICHIA

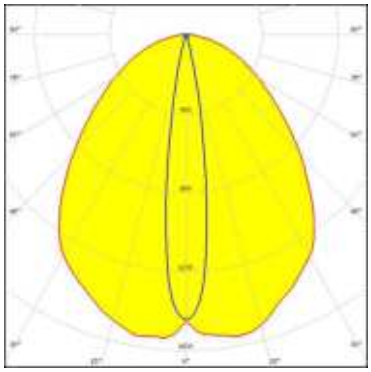
LED	NVSW219GF
FWHM / FWTM	82.0 + 9.0° / 144.0 + 19.0°
Efficiency	97 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

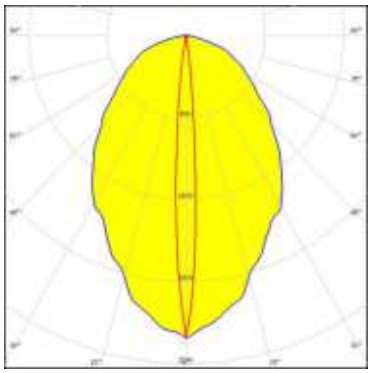
LED	OSCONIQ P 3737 (3W) PUSTA1
FWHM / FWTM	94.0 + 16.0° / 150.0 + 28.0°
Efficiency	97 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

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:	



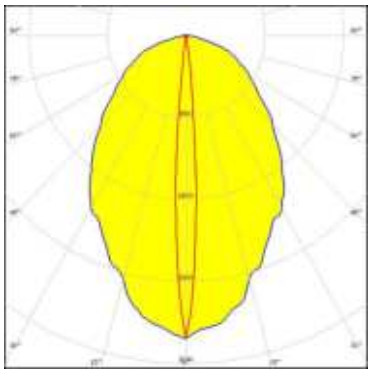
Light distribution files

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OPTICAL RESULTS (SIMULATED):

OSRAM

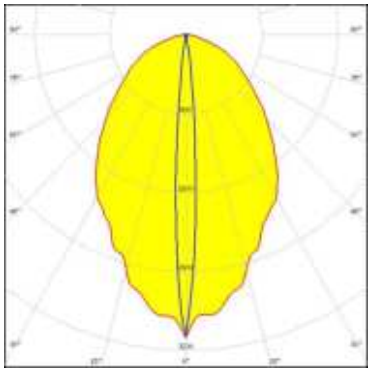
LED	OSLON Signal
FWHM / FWTM	8.0 + 80.0° / 14.0 + 148.0°
Efficiency	97 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

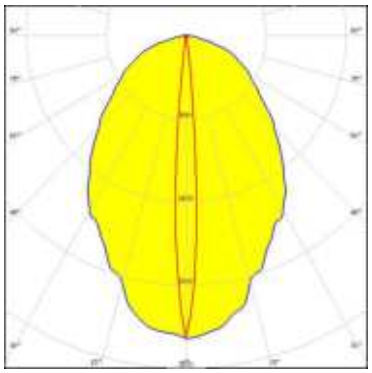
LED	OSLON Signal
FWHM / FWTM	75.0 + 8.0° / 143.0 + 16.0°
Efficiency	97 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

OSRAM

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:	



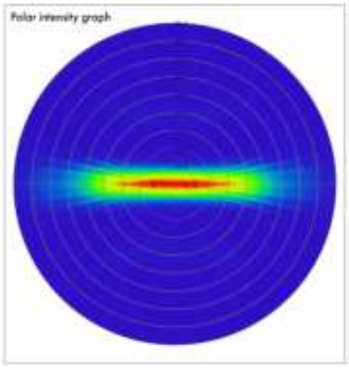
Light distribution files

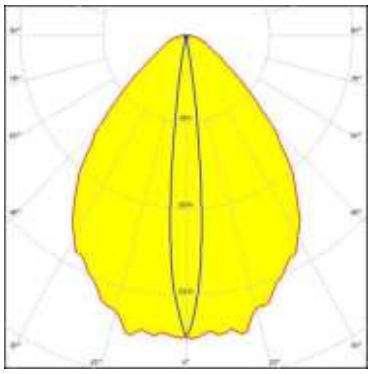
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OPTICAL RESULTS (SIMULATED):

OSRAM

LED	SFH 4715AS
FWHM / FWTM	82.0 + 12.0° / 123.0 + 20.0°
Efficiency	96 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

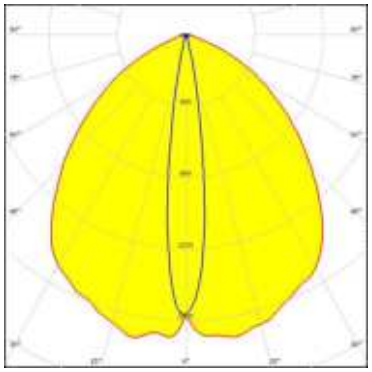




Light distribution files

SAMSUNG

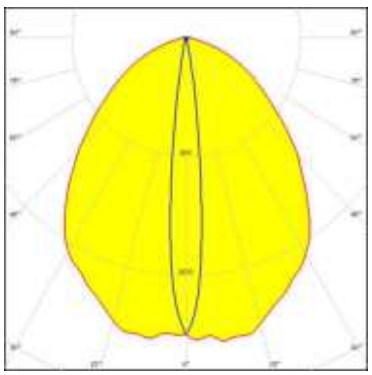
LED	LH351C
FWHM / FWTM	97.0 + 16.0° / 137.0 + 27.0°
Efficiency	97 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEGOL 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

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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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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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