OLGA-WAS

Asymmetric beam for wall-washing. Assembly with holder and installation tape.



SPECIFICATION:

Dimensions	Ø 32.0 mm
Height	20.8 mm
Fastening	tape
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
OLGA-WAS	Single lens	PMMA	clear		29.7
OLGA-HLD	Holder	PC	black		32.0
SPUTNIK-TAPE3	Tape	Acrylic foam	black		25.0

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA16308_OLGA-WAS » Box size: 476 x 273 x 292 mm	792	132	66	9.0

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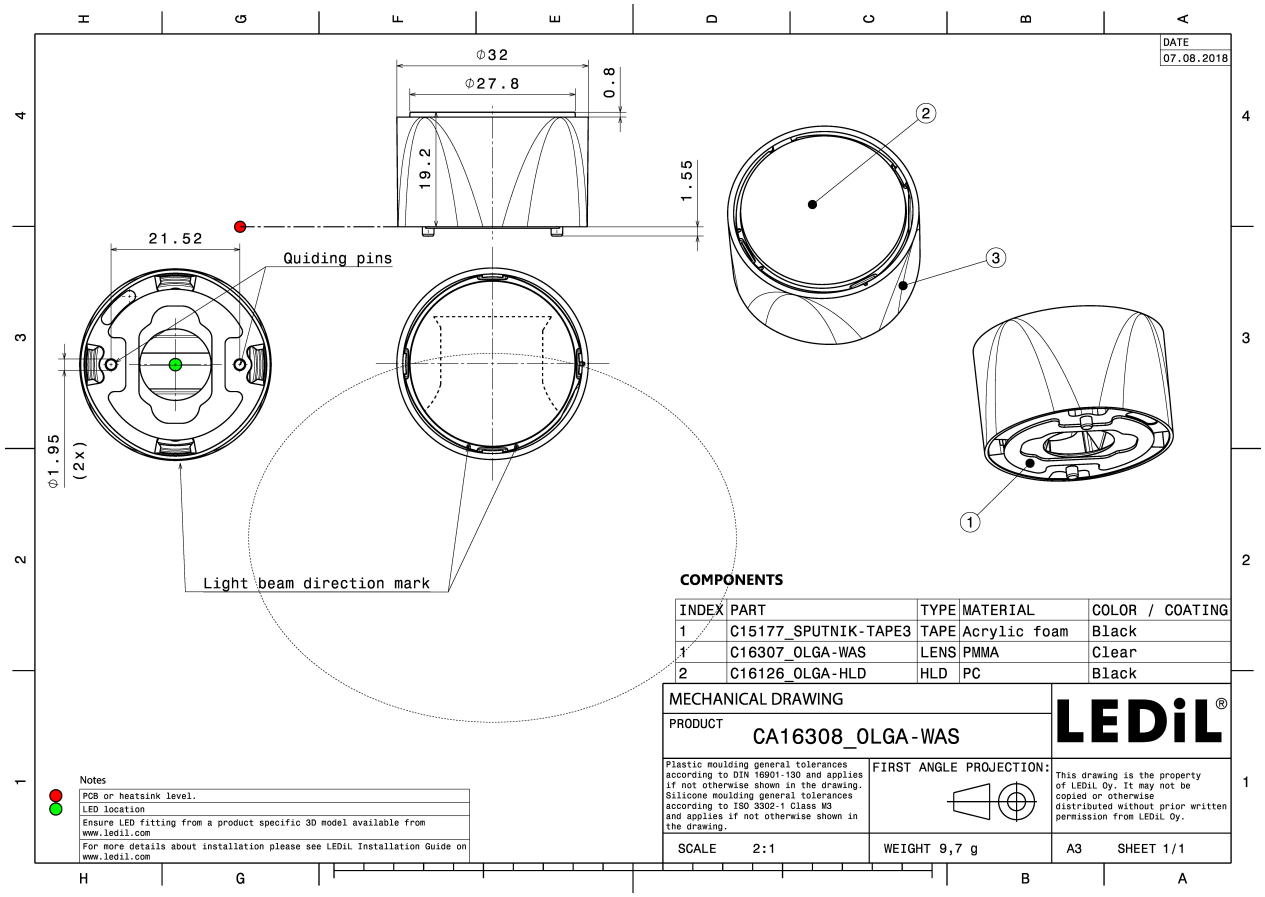

COMPONENTS

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C15177_SPUTNIK-TAPE3	TAPE	Acrylic foam	Black
1	C16307_OLGA-WAS	LENS	PMMA	Clear
2	C16126_OLGA-HLD	HLD	PC	Black

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

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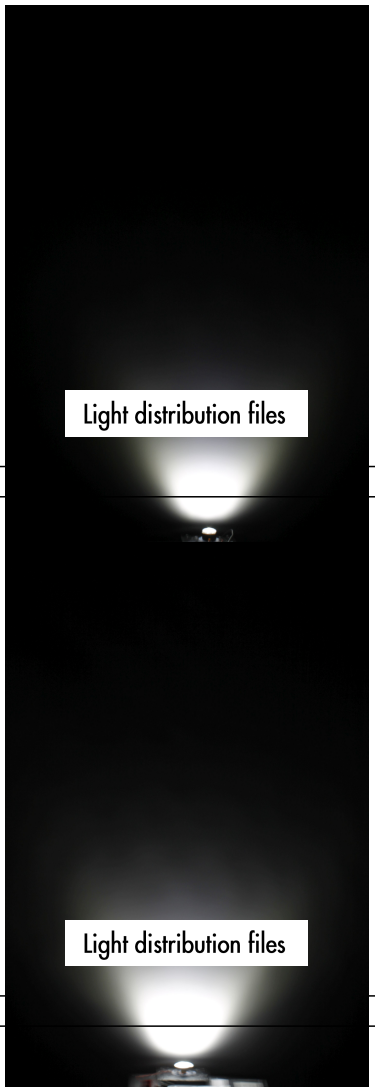
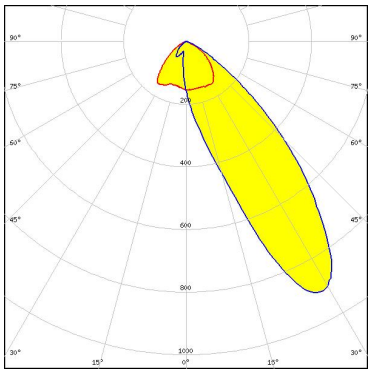
OPTICAL RESULTS (MEASURED):

CREE LEDs

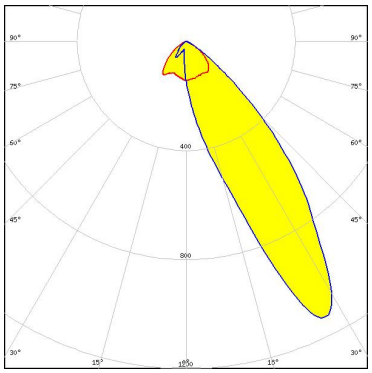
LED	XHP35 HD
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





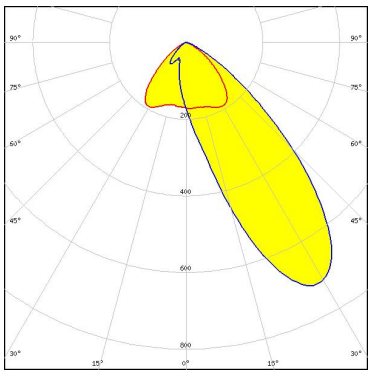
CREE LEDs

LED	XHP35 HI
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



CREE LEDs

LED	XHP50.2
FWHM / FWTM	Asymmetric
Efficiency	67 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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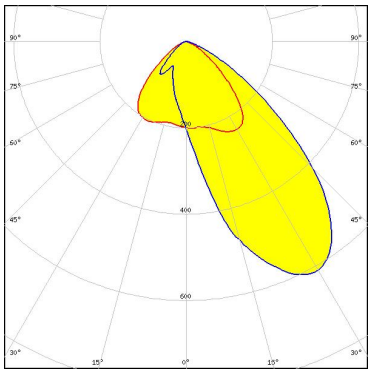
OPTICAL RESULTS (MEASURED):

CREE LEDs

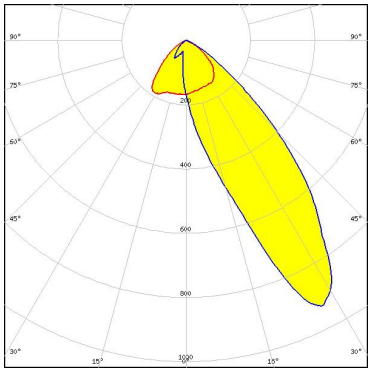
LED	XHP70.2
FWHM / FWTM	Asymmetric
Efficiency	70 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

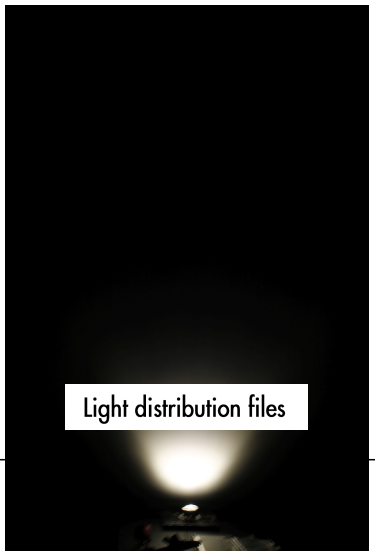
LED	XM-L3
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



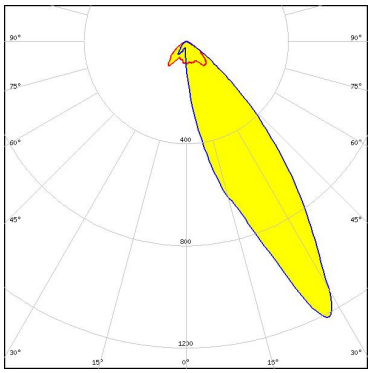
Light distribution files

CREE LEDs

LED	XP-E2
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



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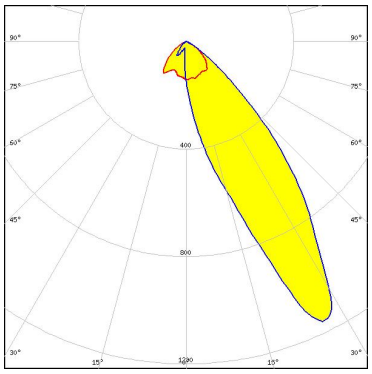
OPTICAL RESULTS (MEASURED):

CREE LEDs

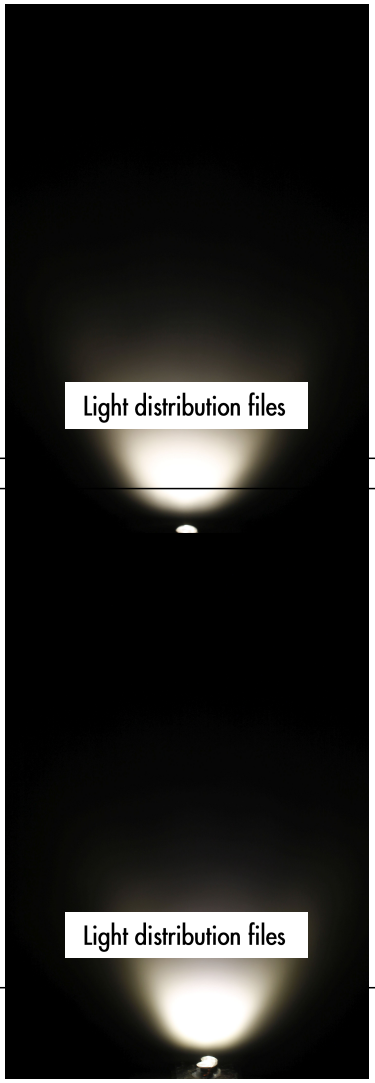
LED	XP-G2
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

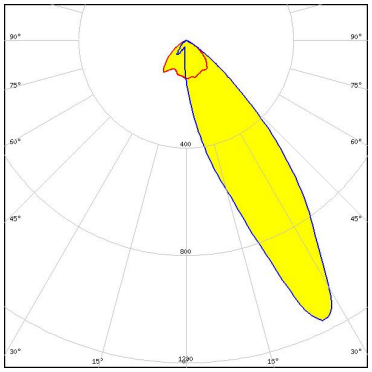


Light distribution files

CREE LEDs

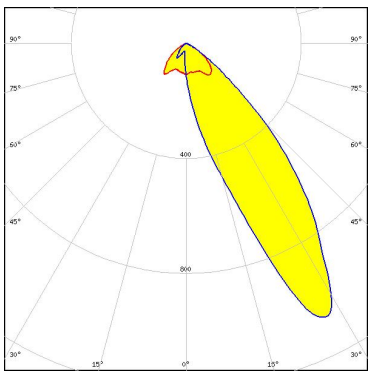
LED	XP-G2
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





CREE LEDs

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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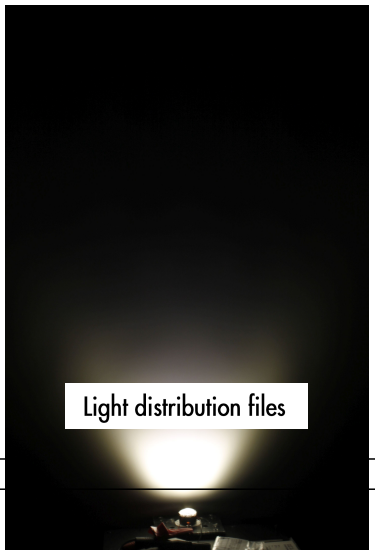
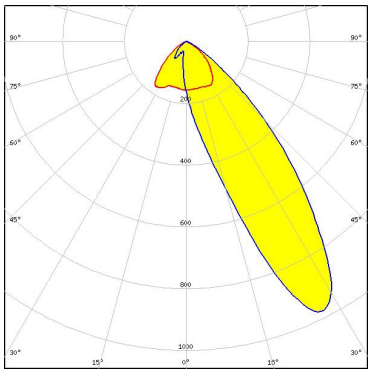
OPTICAL RESULTS (MEASURED):

CREE LEDs

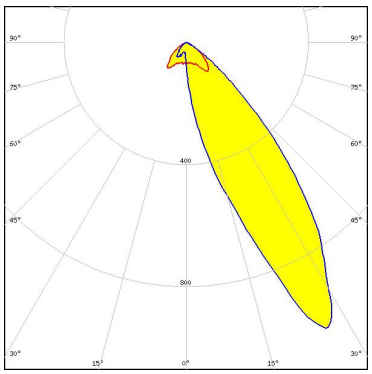
LED	XP-L2
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





CREE LEDs

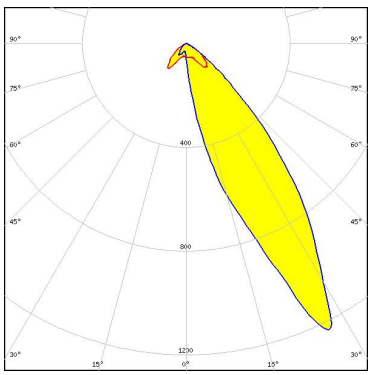
LED	XQ-E HD
FWHM / FWTM	Asymmetric
Efficiency	67 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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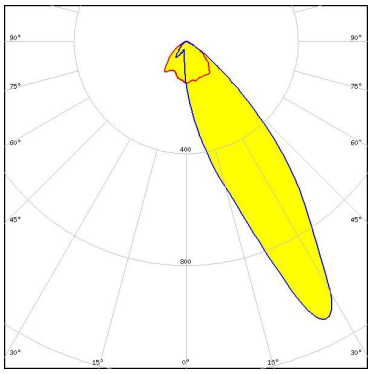
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XT-E
FWHM / FWTM	Asymmetric
Efficiency	71 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

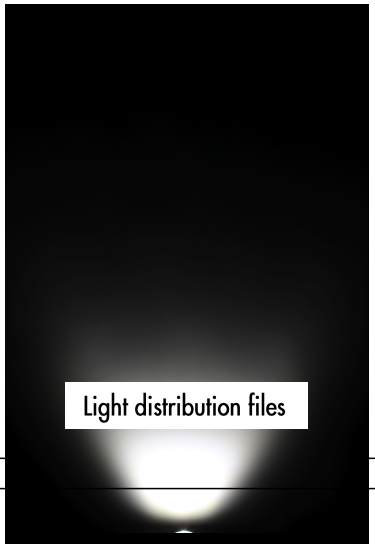


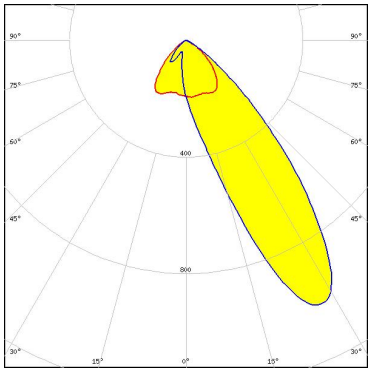


Light distribution files

LUMILEDS

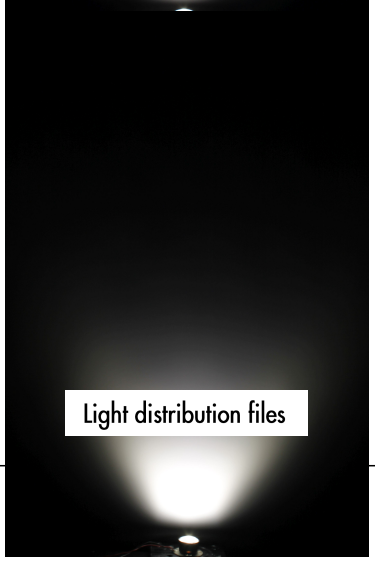
LED	LUXEON 5050 Round LES
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

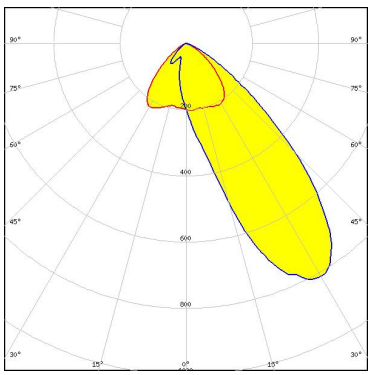




LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





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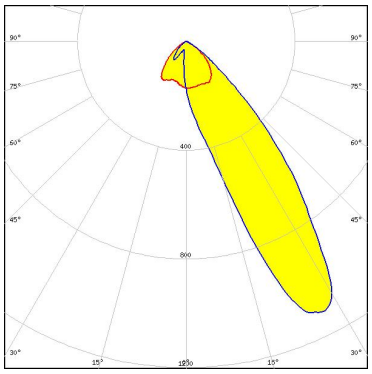
OPTICAL RESULTS (MEASURED):

LUMILEDS

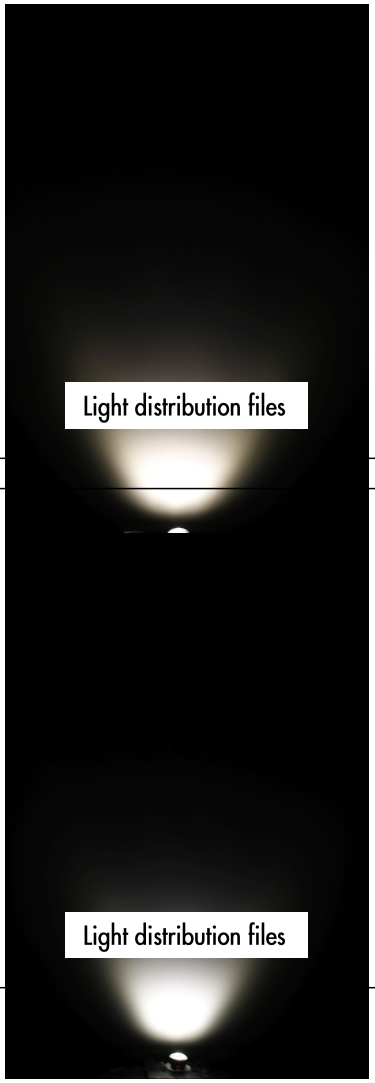
LED	LUXEON MZ
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

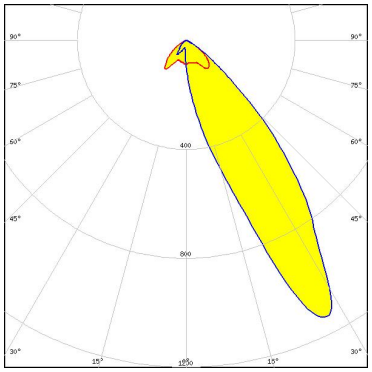


Light distribution files

LUMILEDS

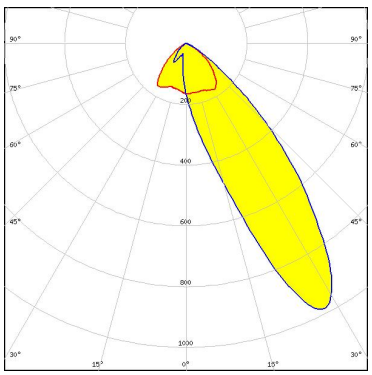
LED	LUXEON TX
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





LUMILEDS

LED	LUXEON V
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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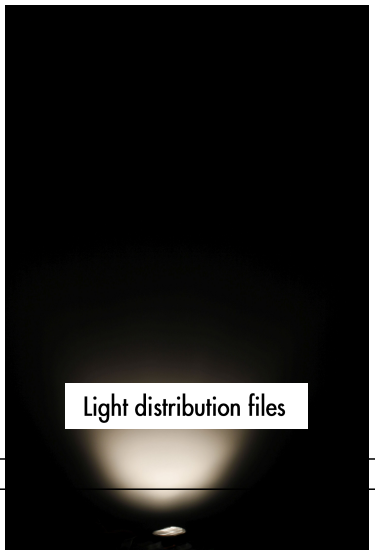
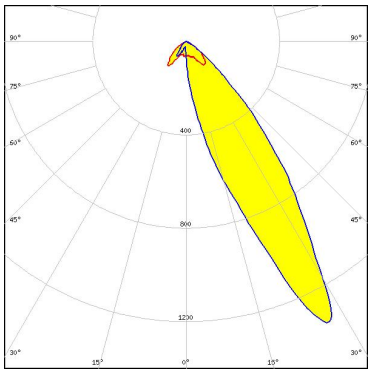
OPTICAL RESULTS (MEASURED):

LUMILEDS

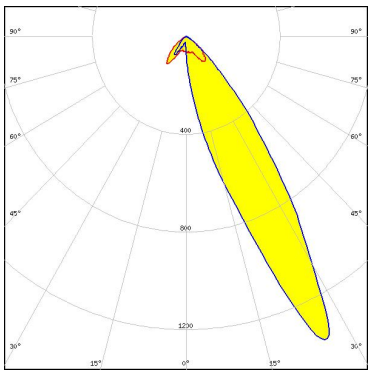
LED	LUXEON Z ES
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





NICHIA

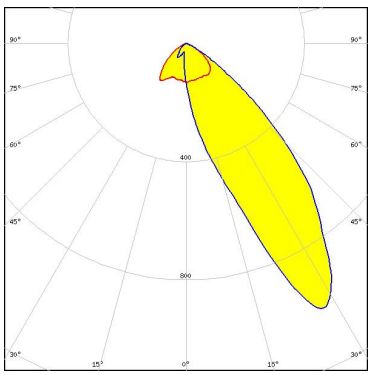
LED	NCSxE17A
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSW319B
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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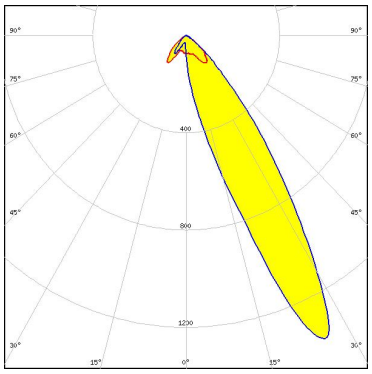
OPTICAL RESULTS (MEASURED):

NICHIA

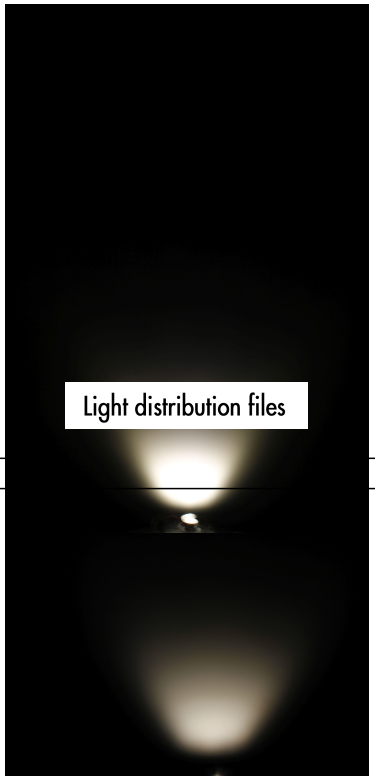
LED	NVSxE21A
FWHM / FWTM	Asymmetric
Efficiency	72 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



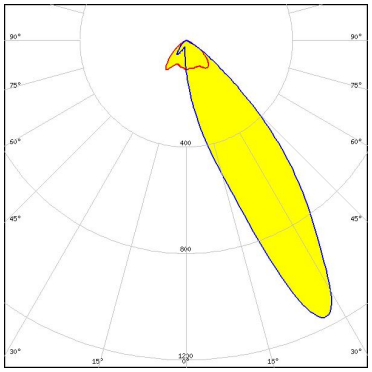
Light distribution files

NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

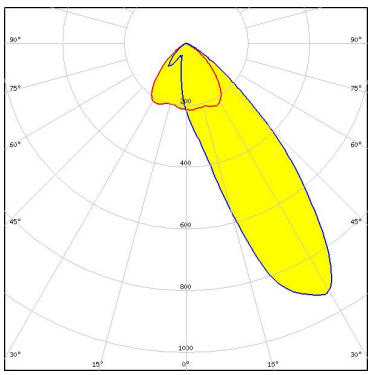


Light distribution files



OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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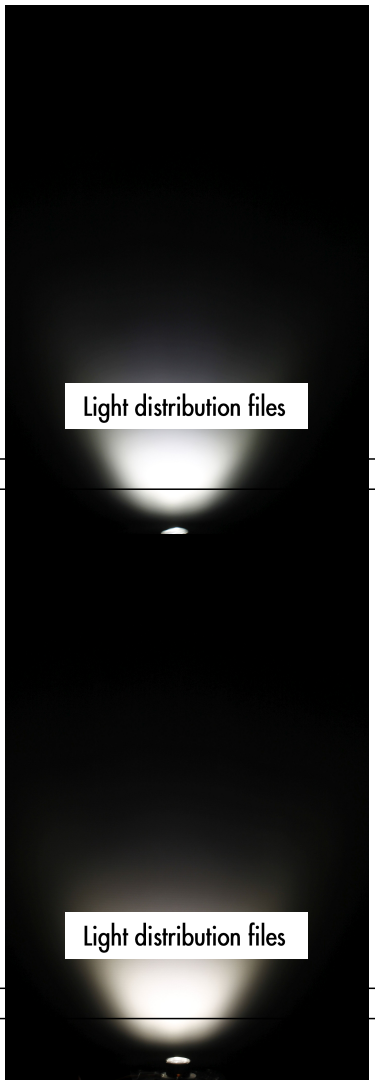
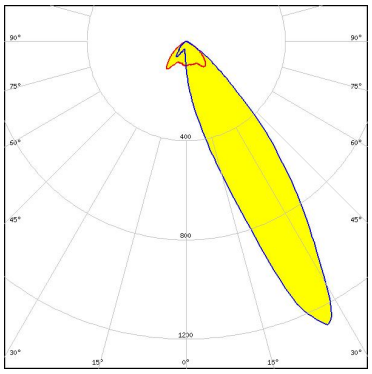
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

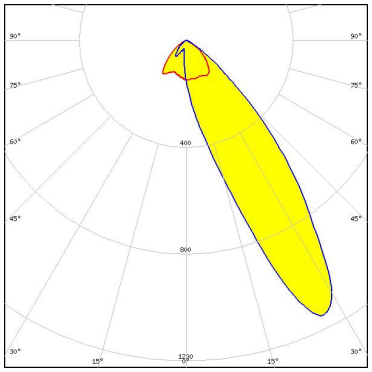
LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





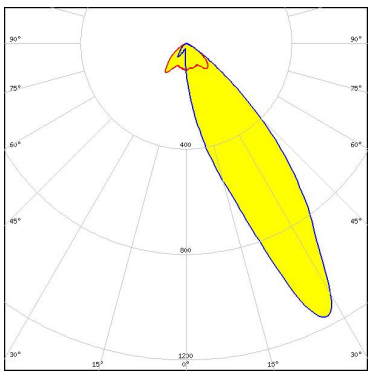
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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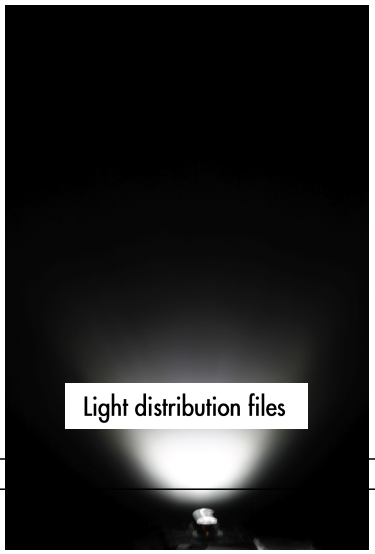
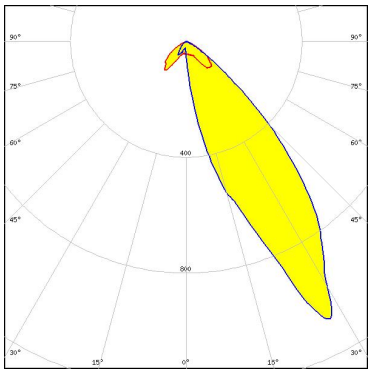
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

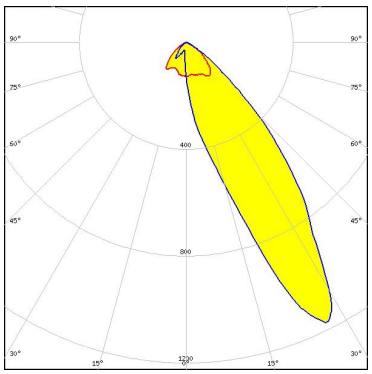
LED	OSLON SSL 150
FWHM / FWTM	Asymmetric
Efficiency	71 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





OSRAM
Opto Semiconductors

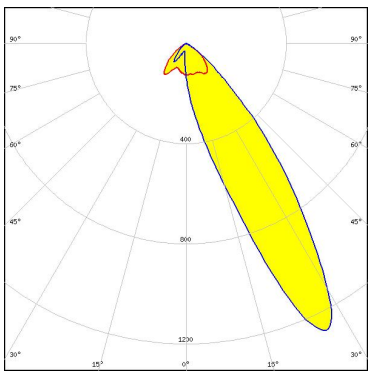
LED	OSTAR Stage (S2WN)
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	



Light distribution files

SAMSUNG

LED	LH231B
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



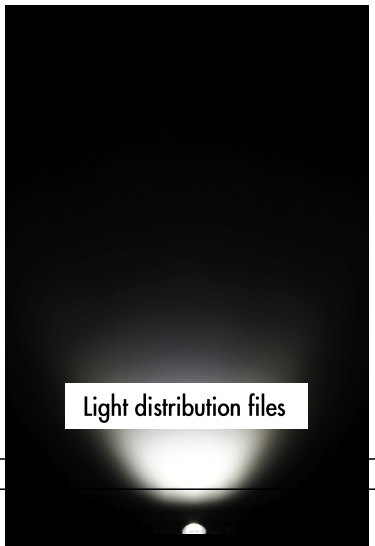
Light distribution files

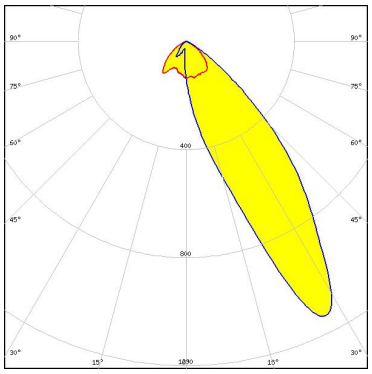
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

SAMSUNG

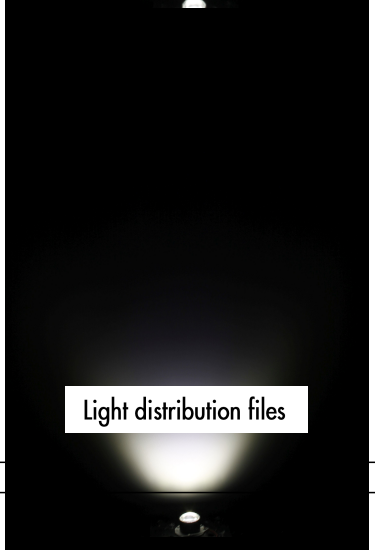
LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

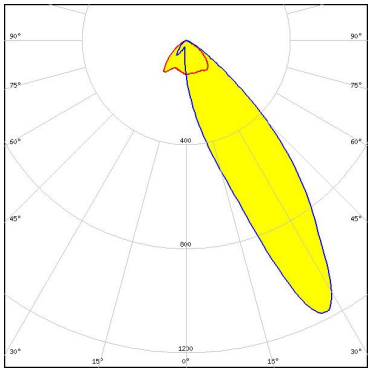




SAMSUNG

LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	79 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

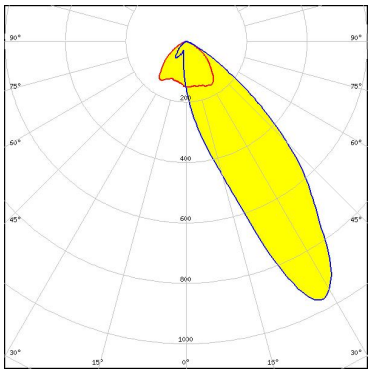




SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





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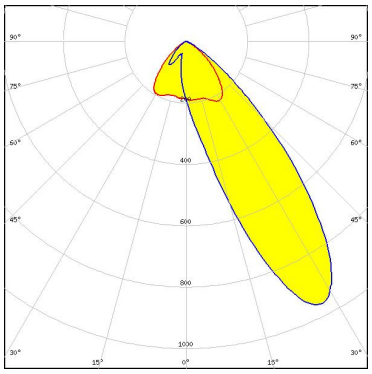
OPTICAL RESULTS (MEASURED):

SAMSUNG

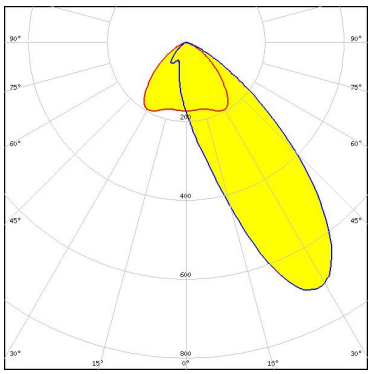
LED	LH508A
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





SEOUL SEMICONDUCTOR

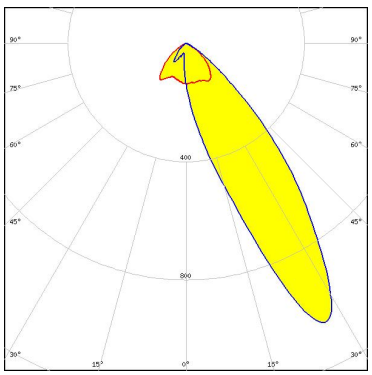
LED	WICOP 5050
FWHM / FWTM	Asymmetric
Efficiency	69 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	Asymmetric
Efficiency	71 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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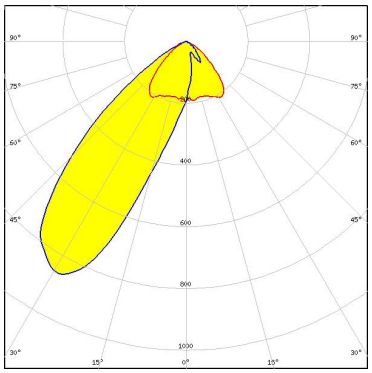
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

CREE LEDs

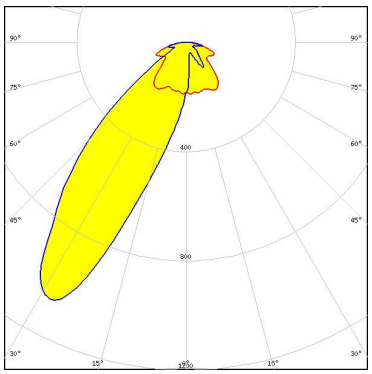
LED	XHP50.3 HD
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XHP50.3 HI
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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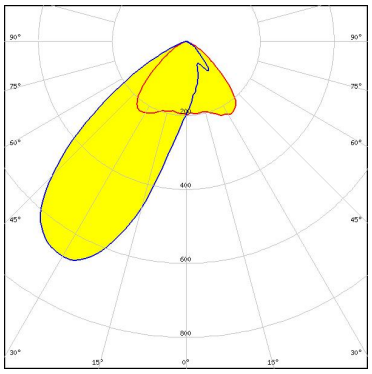
OPTICAL RESULTS (SIMULATED):

CREE LEDs

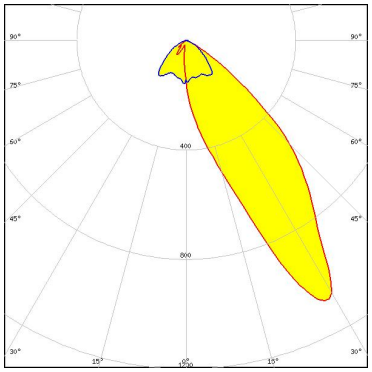
LED	XHP70.3 HD
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

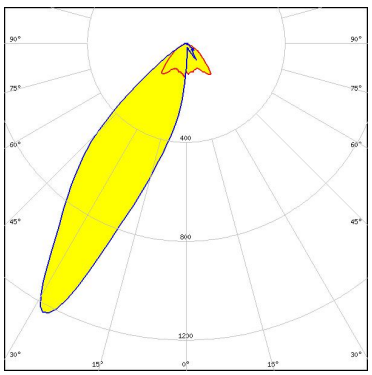
LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	79 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-L HI
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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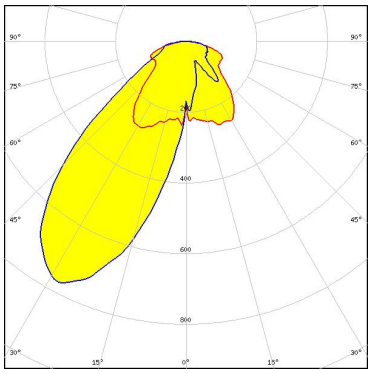
OPTICAL RESULTS (SIMULATED):

LUMILEDS

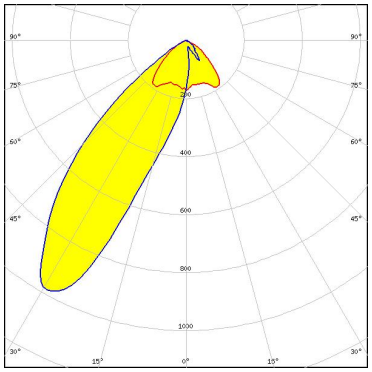
LED	LUXEON 7070
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

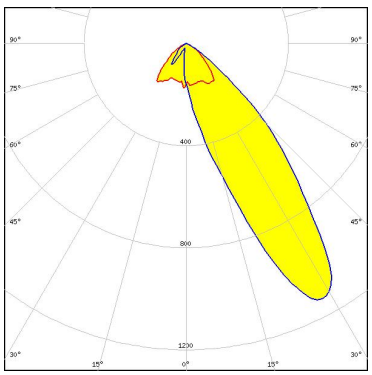
LED	SST-70X-WCS
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NV4WB35AM
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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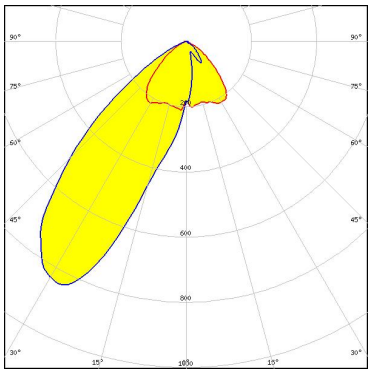
OPTICAL RESULTS (SIMULATED):

NICHIA

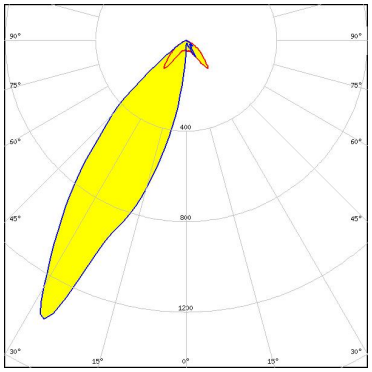
LED	NV4x144A
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

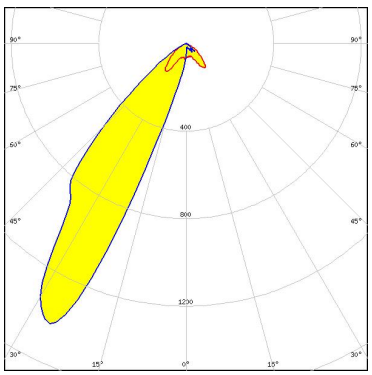
OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	Asymmetric
Efficiency	81 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	Asymmetric
Efficiency	79 %
Peak intensity	1.4 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	



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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:

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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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