OLGA-O

~20° + 40° oval beam. Assembly with holder and installation tape.



SPECIFICATION:

Dimensions	Ø 32.0 mm
Height	19.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
OLGA-O	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)
CA16674_OLGA-O » Box size: 476 x 273 x 292 mm	792	132	66	9.8

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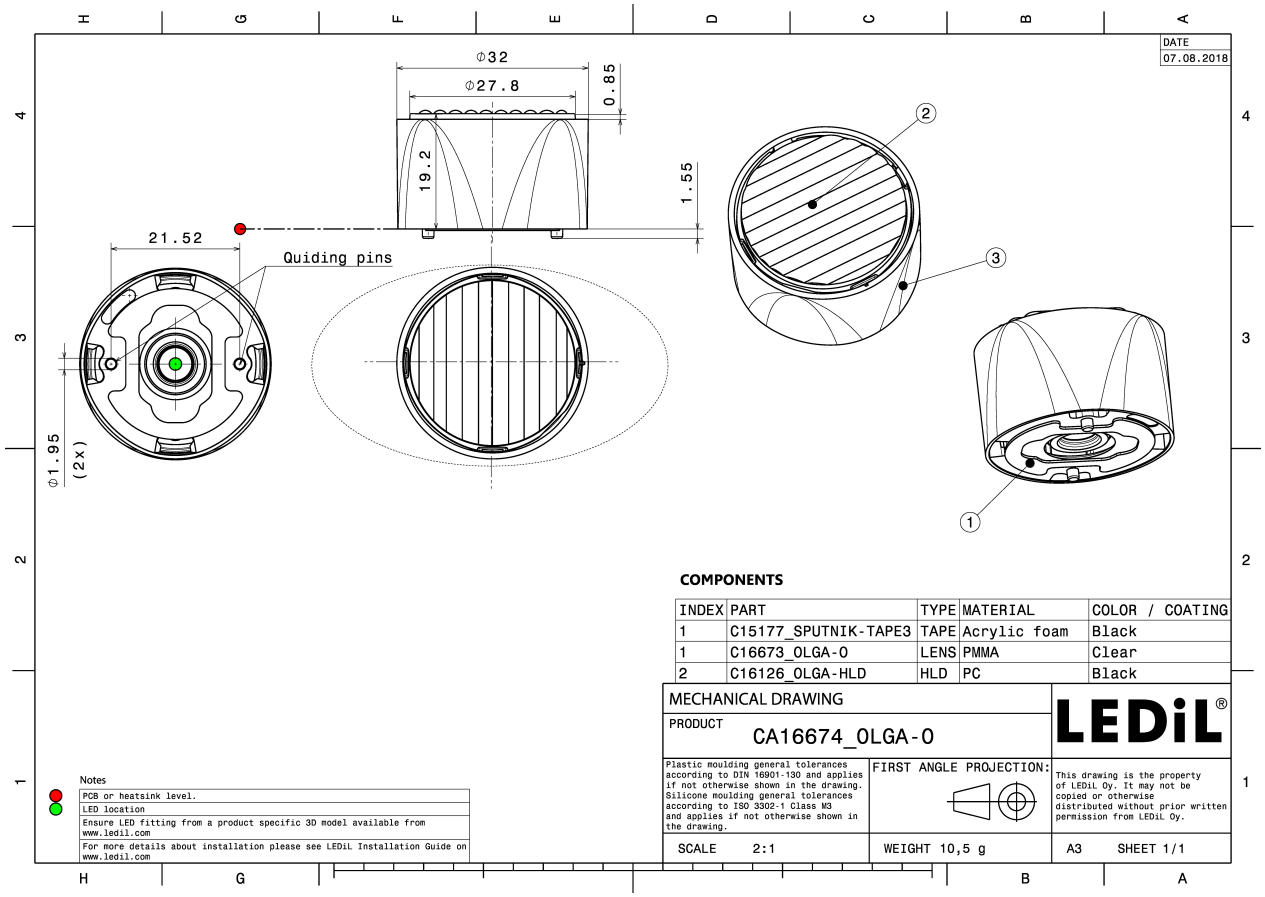

COMPONENTS

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C15177_SPUTNIK-TAPE3	TAPE	Acrylic foam	Black
1	C16673_OLGA-O	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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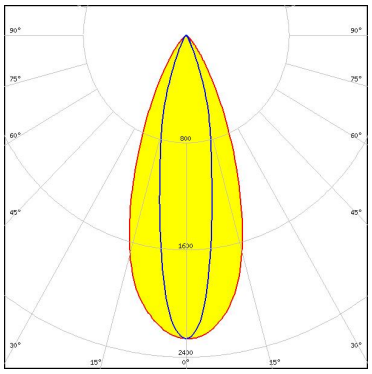
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XHP50.2
FWHM / FWTM	42.0 + 21.0° / 72.0 + 47.0°
Efficiency	79 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



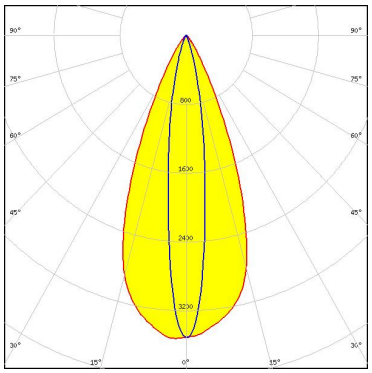


Light distribution files

CREE LEDs

LED	XM-L3
FWHM / FWTM	43.0 + 15.0° / 65.0 + 34.0°
Efficiency	86 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



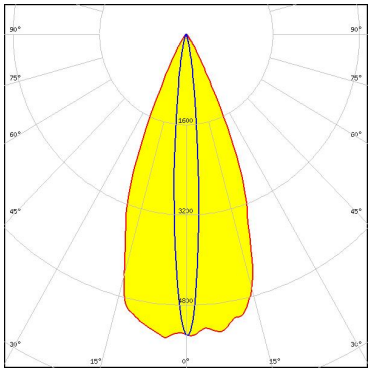


Light distribution files

CREE LEDs

LED	XP-E2
FWHM / FWTM	44.0 + 10.0° / 60.0 + 23.0°
Efficiency	88 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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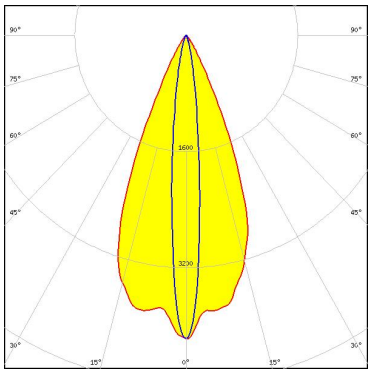
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XQ-E HD
FWHM / FWTM	44.0 + 11.0° / 62.0 + 26.0°
Efficiency	80 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



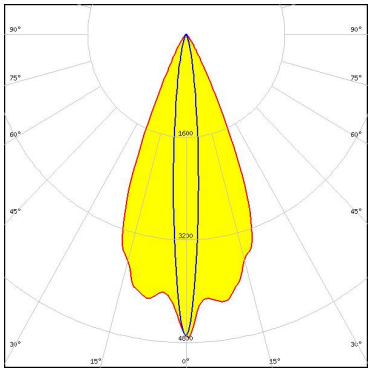


Light distribution files

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	44.0 + 10.0° / 60.0 + 25.0°
Efficiency	85 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



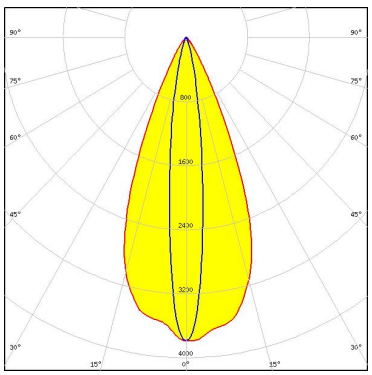


Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	44.0 + 13.0° / 65.0 + 30.0°
Efficiency	84 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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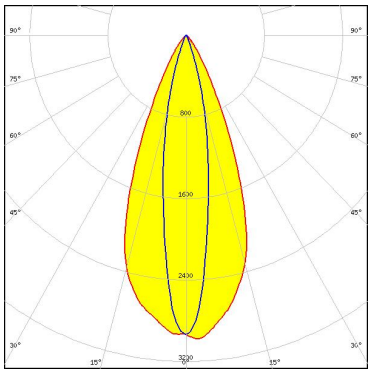
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	43.0 + 18.0° / 67.0 + 39.0°
Efficiency	86 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



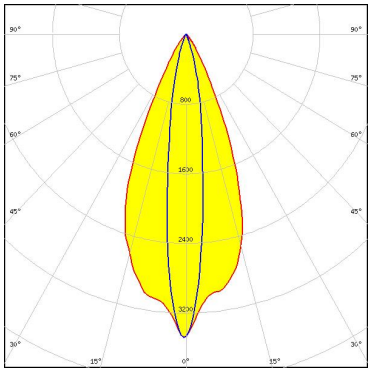


Light distribution files

NICHIA

LED	NCSxE17A
FWHM / FWTM	43.0 + 14.0° / 65.0 + 34.0°
Efficiency	84 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



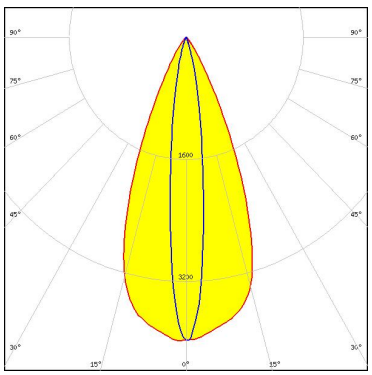


Light distribution files

NICHIA

LED	NVSW319B
FWHM / FWTM	44.0 + 13.0° / 64.0 + 30.0°
Efficiency	88 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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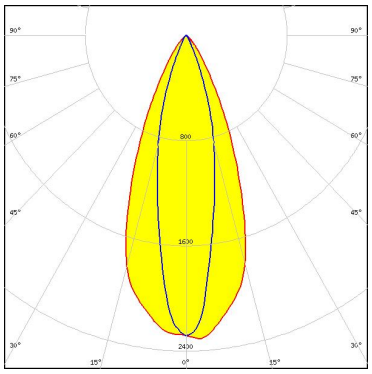
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	43.0 + 23.0° / 72.0 + 49.0°
Efficiency	85 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



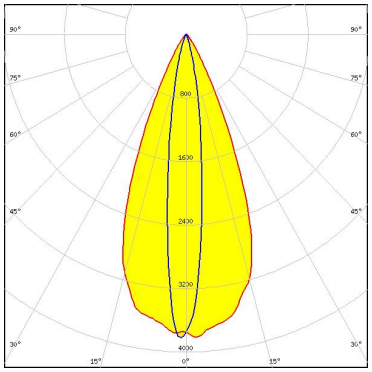


Light distribution files

OSRAM
Opto Semiconductors

LED	OSTAR Stage (S2WN)
FWHM / FWTM	44.0 + 14.0° / 64.0 + 30.0°
Efficiency	87 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	



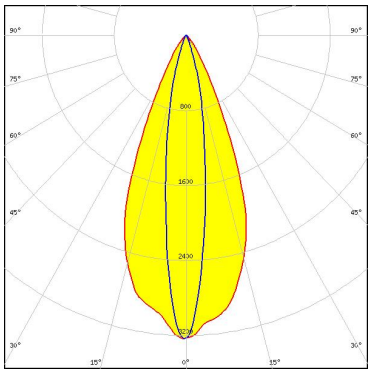


Light distribution files

SAMSUNG

LED	LH231B
FWHM / FWTM	44.0 + 16.0° / 67.0 + 37.0°
Efficiency	86 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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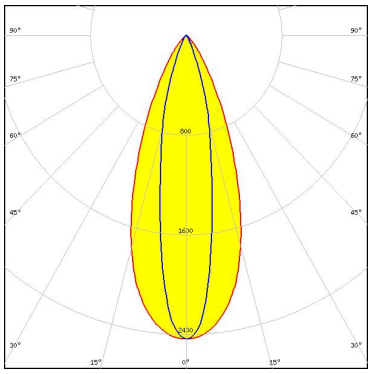
OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	WICOP 5050
FWHM / FWTM	41.0 + 21.0° / 72.0 + 45.0°
Efficiency	82 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



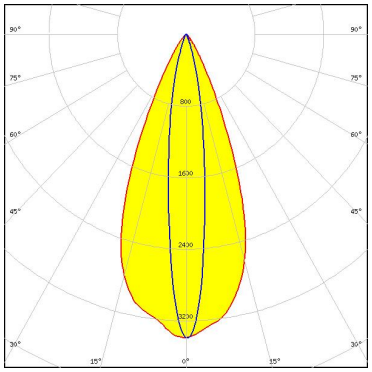


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	43.0 + 14.0° / 65.0 + 34.0°
Efficiency	84 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





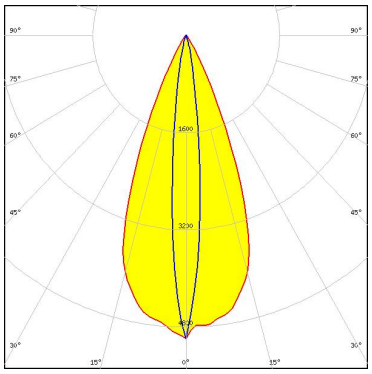
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XHP35 HI
FWHM / FWTM	11.0 + 42.0°
Efficiency	90 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

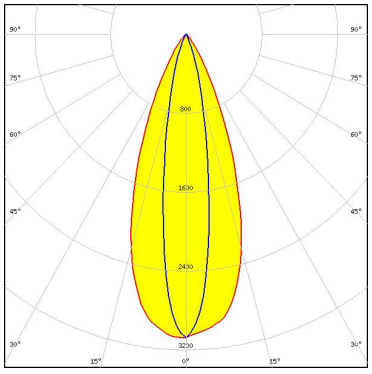


CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	42.0 + 14.0° / 64.0 + 34.0°
Efficiency	90 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

CREE LEDs

LED	XHP50.3 HD
FWHM / FWTM	40.0 + 18.0° / 67.0 + 38.0°
Efficiency	87 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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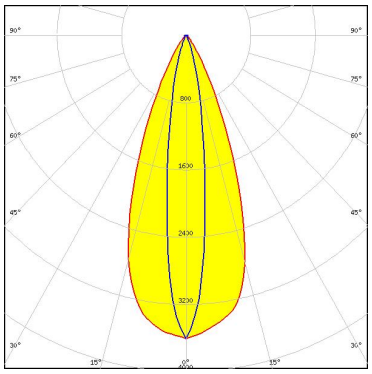
OPTICAL RESULTS (SIMULATED):

CREE LEDs

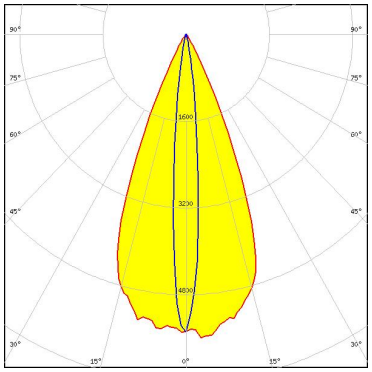
LED	XHP50.3 HI
FWHM / FWTM	42.0 + 14.0° / 65.0 + 34.0°
Efficiency	95 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

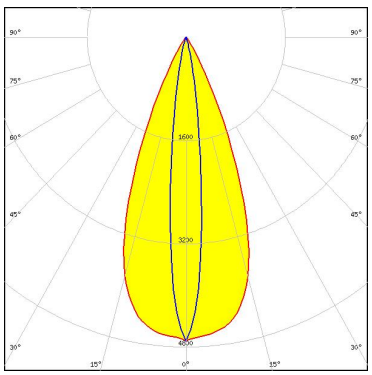
LED	XP-G2
FWHM / FWTM	9.5 + 42.0°
Efficiency	90 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	42.0 + 12.0° / 60.0 + 26.0°
Efficiency	91 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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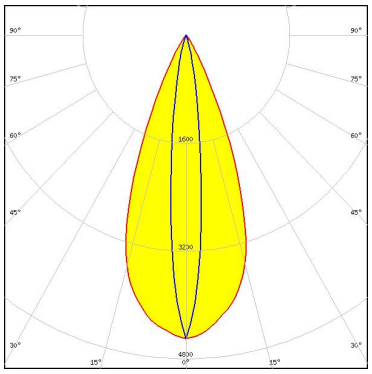
OPTICAL RESULTS (SIMULATED):

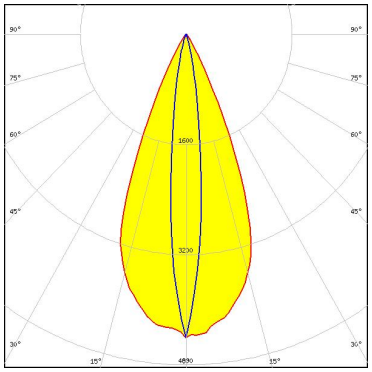
CREE LEDs

LED	XP-G3
FWHM / FWTM	42.0 + 12.0° / 60.0 + 28.0°
Efficiency	89 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



CREE LEDs

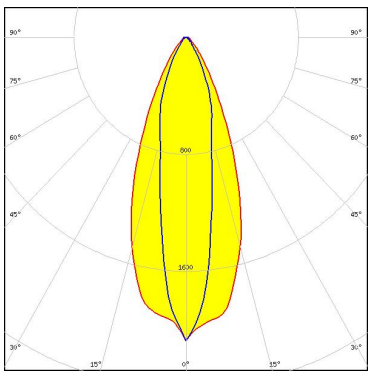
LED	XP-L HI
FWHM / FWTM	12.0 + 42.0°
Efficiency	88 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON 7070
FWHM / FWTM	42.0 + 20.0° / 76.0 + 60.0°
Efficiency	92 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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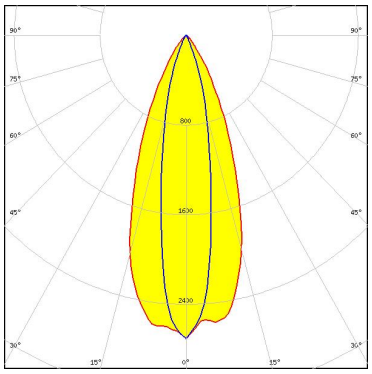
OPTICAL RESULTS (SIMULATED):

LUMILEDS

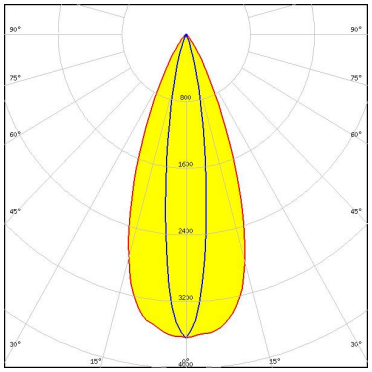
LED	LUXEON M/MX
FWHM / FWTM	20.0 + 40.0°
Efficiency	86 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

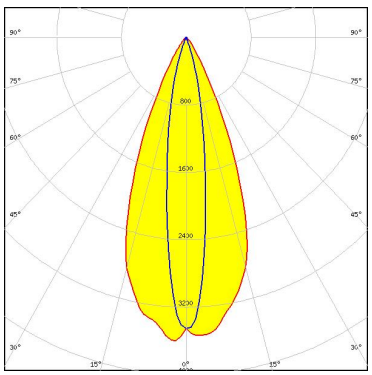
LED	SST-70X-WCS
FWHM / FWTM	41.0 + 16.0° / 65.0 + 34.0°
Efficiency	90 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NV4WB35AM
FWHM / FWTM	42.0 + 16.0° / 64.0 + 36.0°
Efficiency	90 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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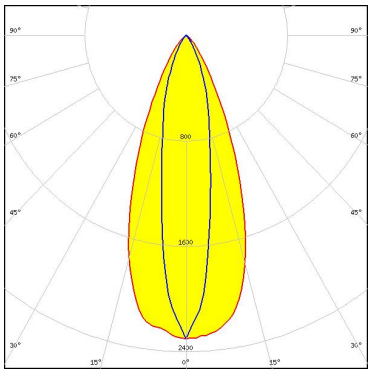
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	Duris S10
FWHM / FWTM	42.0 + 20.0° / 72.0 + 54.0°
Efficiency	86 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Black Flat S (KW HHL532.TK)
FWHM / FWTM	44.0 + 10.0° / 58.0 + 22.0°
Efficiency	92 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

OSRAM
Opto Semiconductors

LED	OSLON Black Flat X (KW HHL631.TK)
FWHM / FWTM	44.0 + 10.0° / 58.0 + 22.0°
Efficiency	92 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

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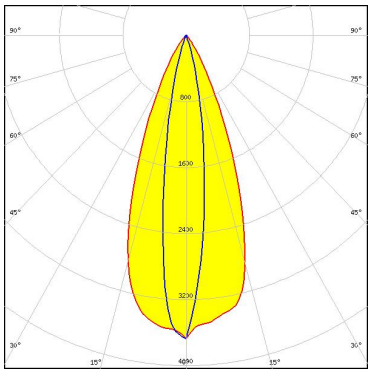
OPTICAL RESULTS (SIMULATED):

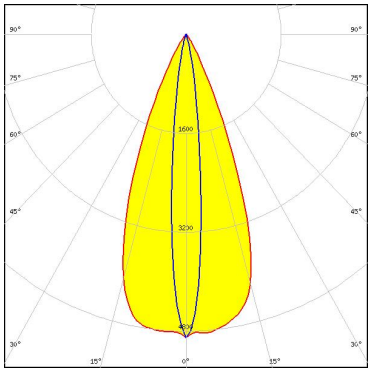
OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	41.0 + 16.0° / 65.0 + 33.0°
Efficiency	91 %
Peak intensity	3.7 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	42.0 + 12.0° / 61.0 + 24.0°
Efficiency	90 %
Peak intensity	4.9 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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