SPORT-2X2-S2

Slightly asymmetric ~20° spot beam with minimum spill light



SPECIFICATION:

Dimensions	50.0 x 50.0 mm
Height	14.2 mm
Fastening	screw
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
SPORT-2X2-S2	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17411_SPORT-2X2-S2 » Box size: 480 x 280 x 300 mm	476	140	28	10.5

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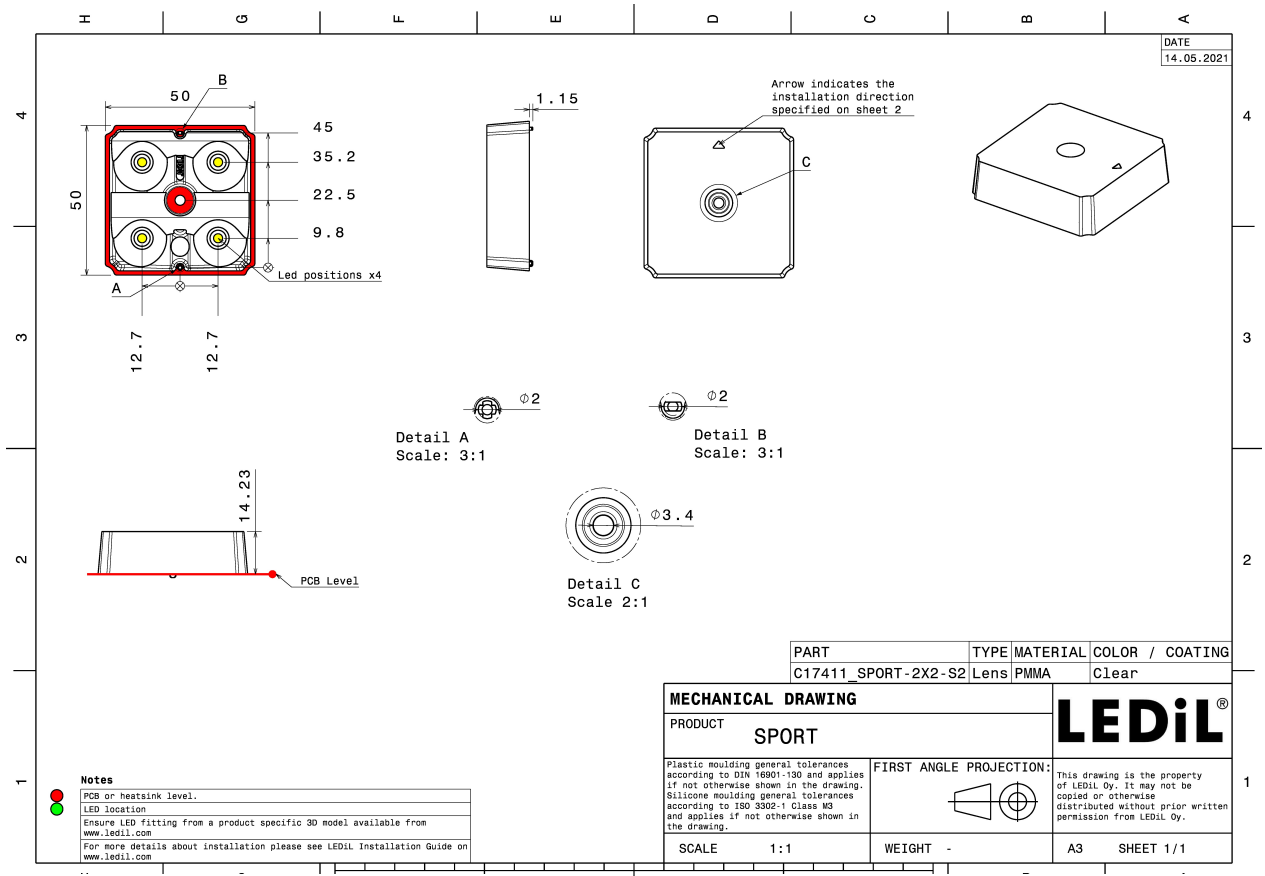

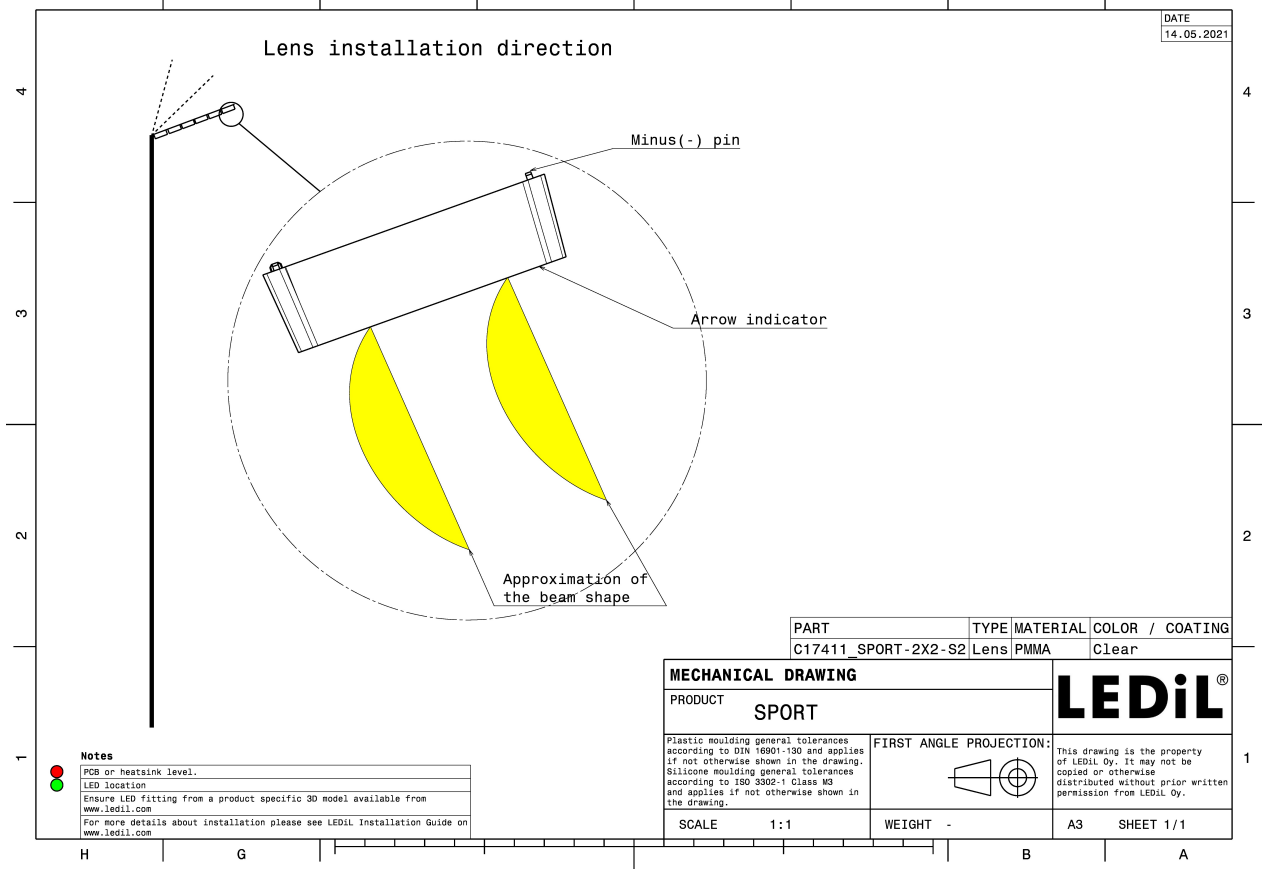

See also our general installation guide: www.ledil.com/installation_guide

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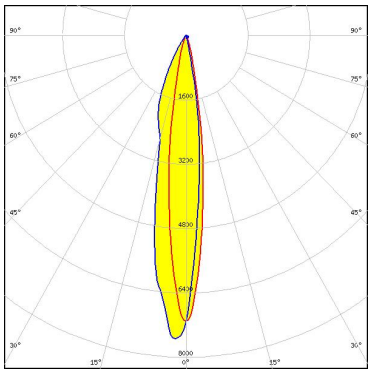
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-G4
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour	White

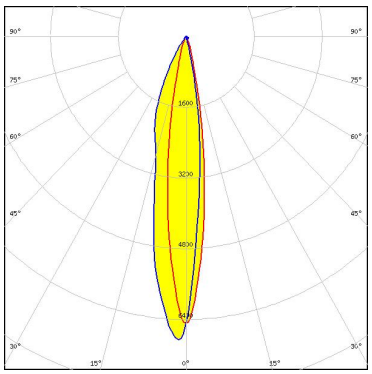
Required components:



LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

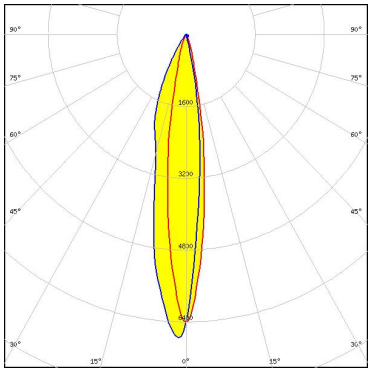


LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

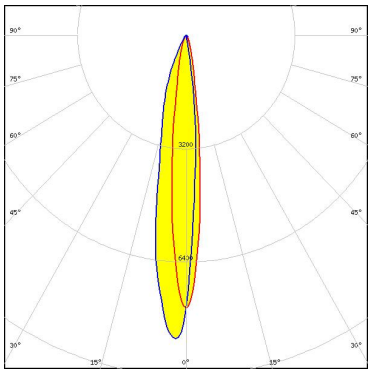
Protective plate, glass



OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	8.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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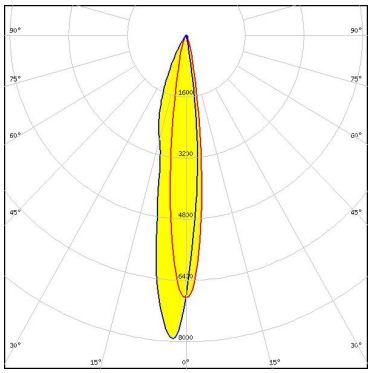
OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

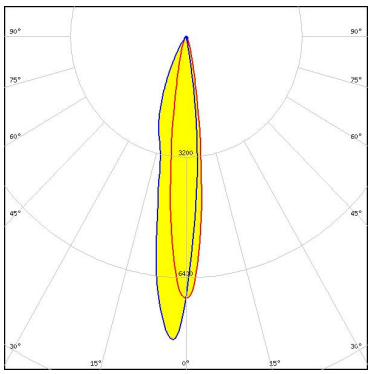
Protective plate, glass



OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour	White

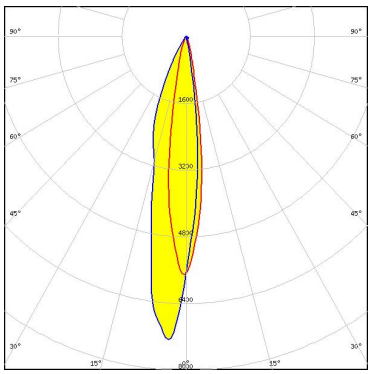
Required components:



TEPCOMP group

LED	PassivePAQ-R-222x50.OS1.9.7K-750-5 V1.0
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White

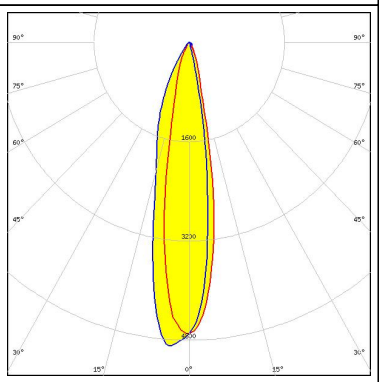
Required components:



TEPCOMP group

LED	PassivePAQ-R-274x51-NI0-21K-857-5
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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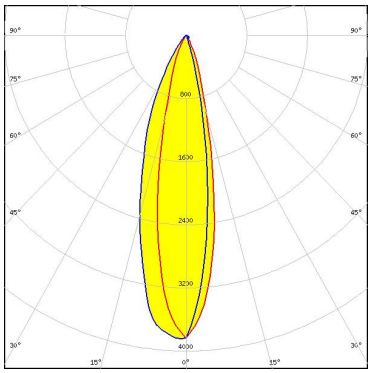
OPTICAL RESULTS (SIMULATED):

CREE LEDs

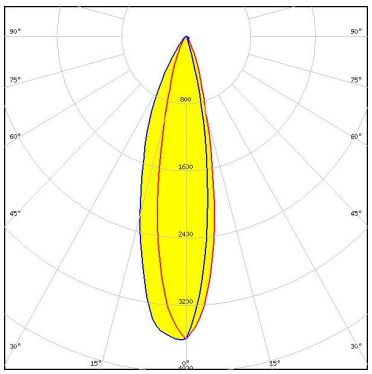
LED	J Series 5050 Round LES
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

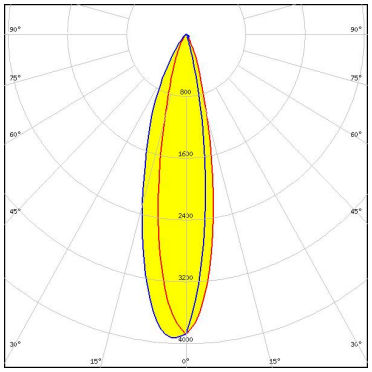
LED	J Series 5050 Round LES
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



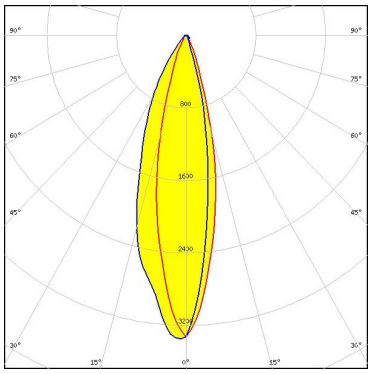
CREE LEDs

LED	J Series 5050C 6V E Class
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XHP35.2 HD
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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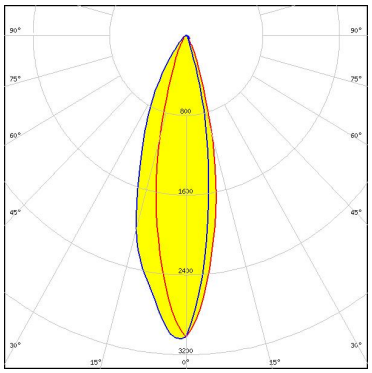
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XHP35.2 HD
FWHM / FWTM	Asymmetric
Efficiency	86 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

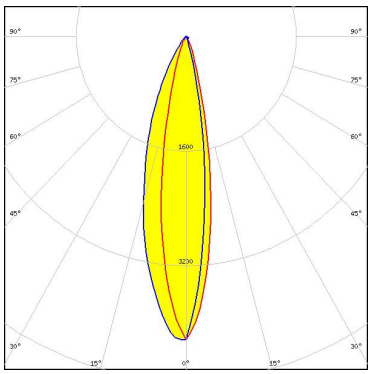


CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

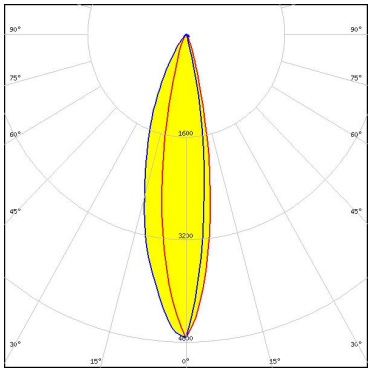
Protective plate, glass



CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White

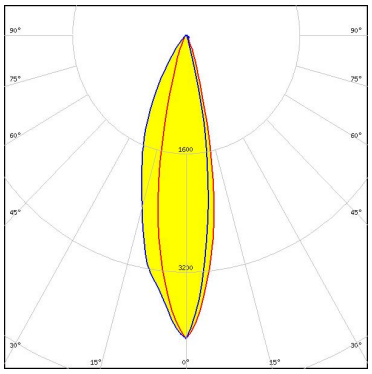
Required components:



CREE LEDs

LED	XM-L3
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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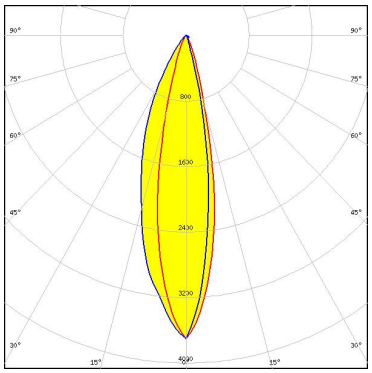
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XM-L3
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

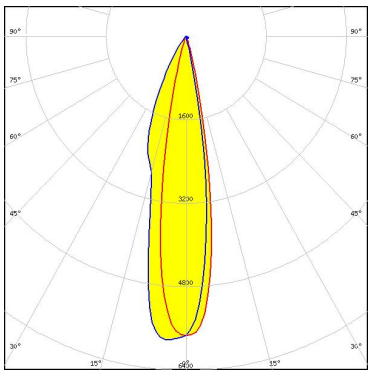
Protective plate, glass



CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

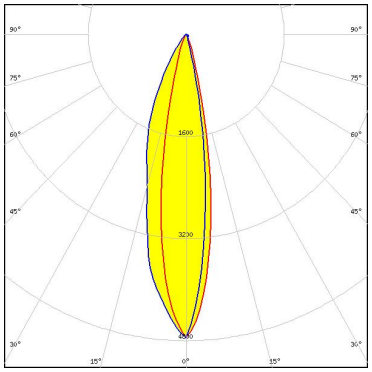


CREE LEDs

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

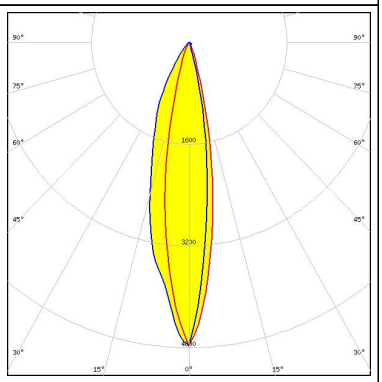


CREE LEDs

LED	XP-L HD
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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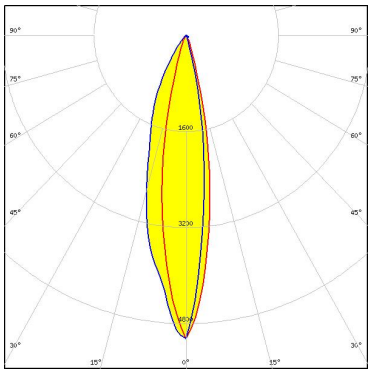
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-L HD
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

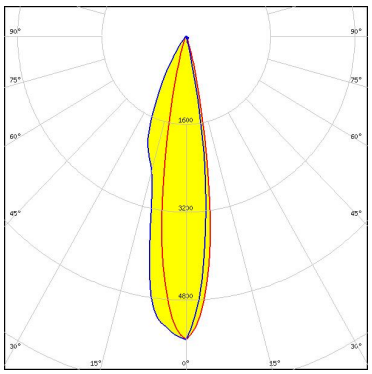


CREE LEDs

LED	XP-L HI
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

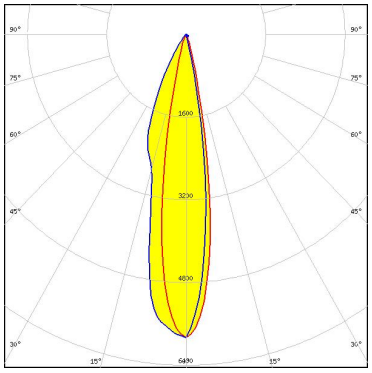
Protective plate, glass



CREE LEDs

LED	XP-L HI
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour	White

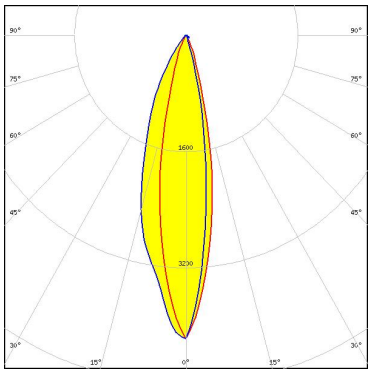
Required components:



CREE LEDs

LED	XP-L2
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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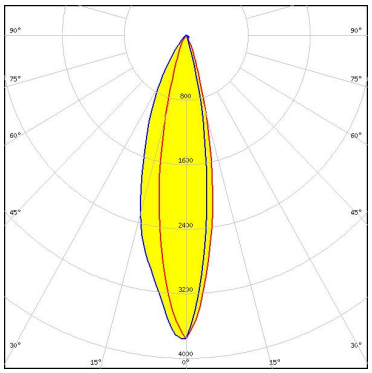
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-L2
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

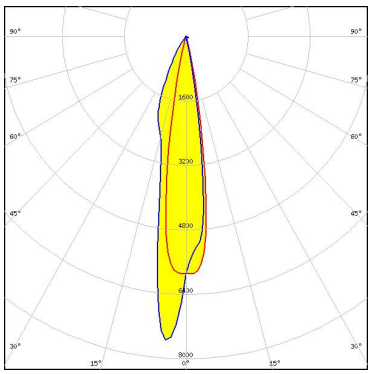


CREE LEDs

LED	XP-P
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

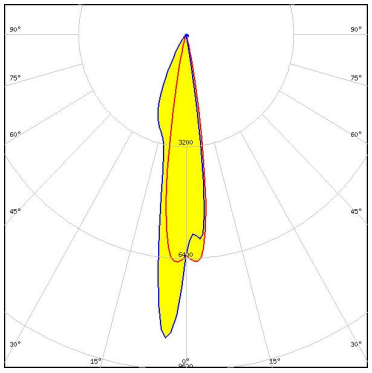
Protective plate, glass



CREE LEDs

LED	XP-P
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	8.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

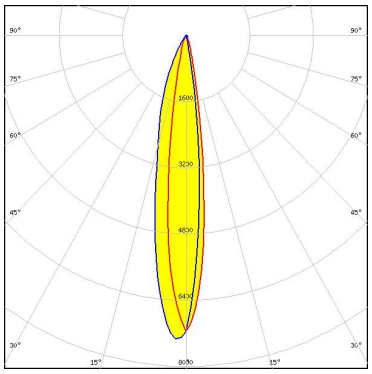


LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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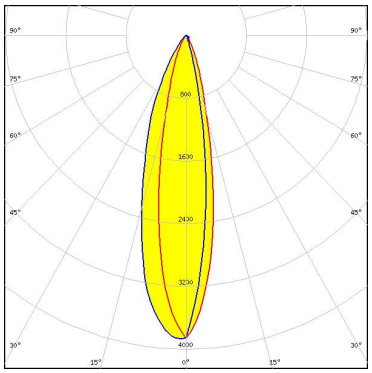
OPTICAL RESULTS (SIMULATED):

LUMILEDS

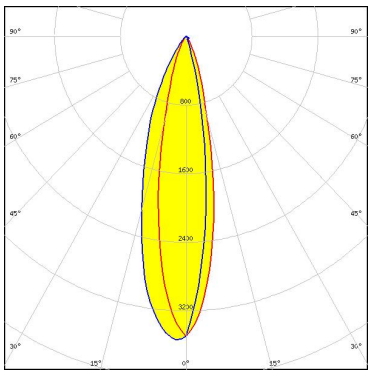
LED	LUXEON 5050 HE
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON 5050 HE
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

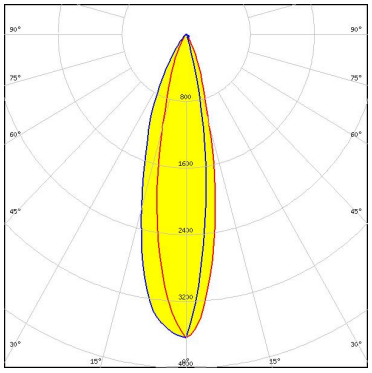
Protective plate, glass



LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

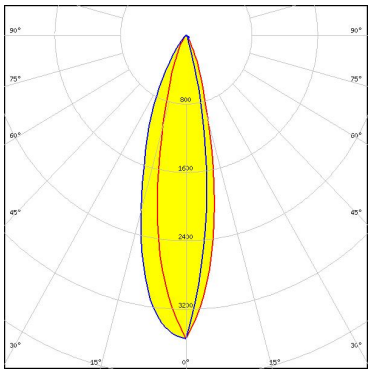
Protective plate, glass



LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



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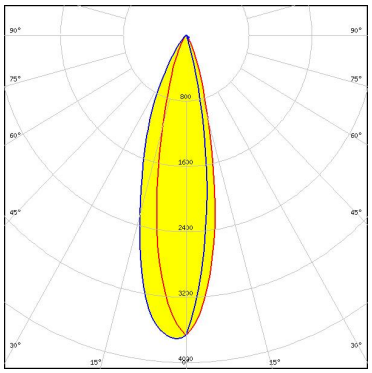
OPTICAL RESULTS (SIMULATED):

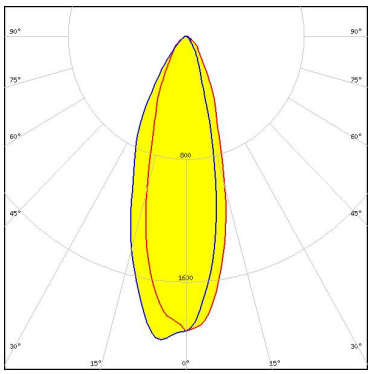
LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



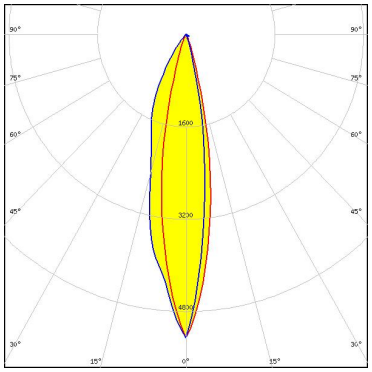
LUMILEDS

LED	LUXEON 7070
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

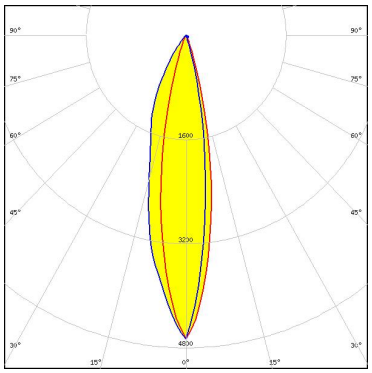
LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass

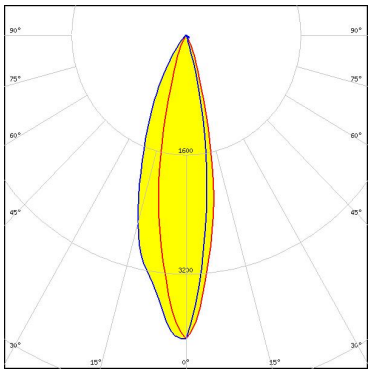


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

LUMINUS

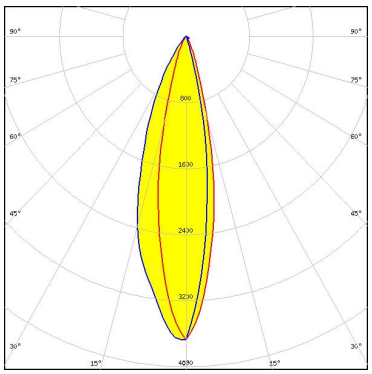
LED	SST-70X-WCS
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMINUS

LED	SST-70X-WCS
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

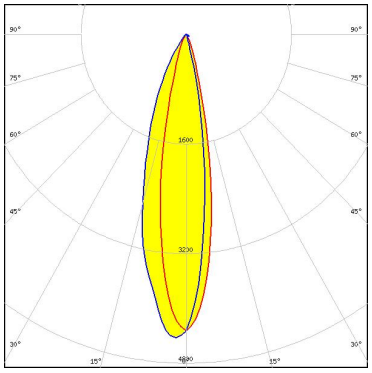
Protective plate, glass



NICHIA

LED	NV4WB35AM
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

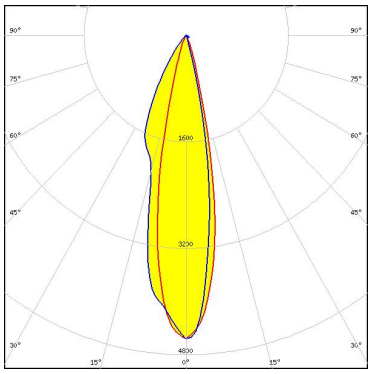
Protective plate, glass



NICHIA

LED	NVSW219D
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



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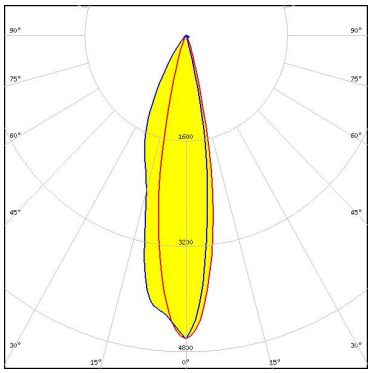
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NVSW219F
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

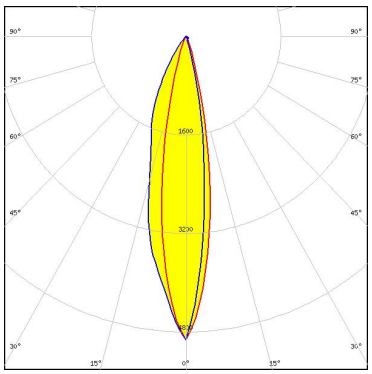


NICHIA

LED	NVSW3x9A
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

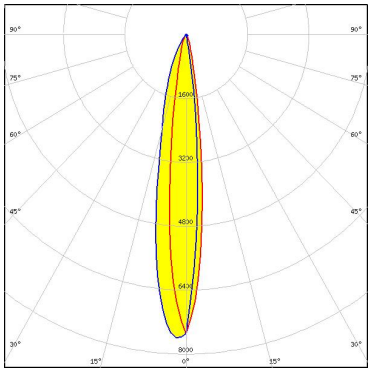


NICHIA

LED	NVSxE21A
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

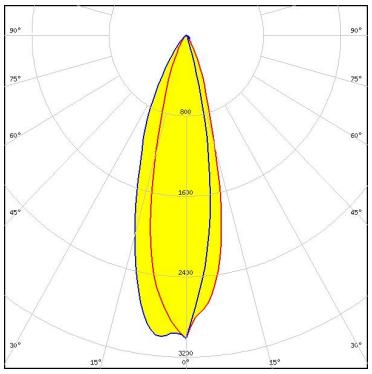
Protective plate, glass



OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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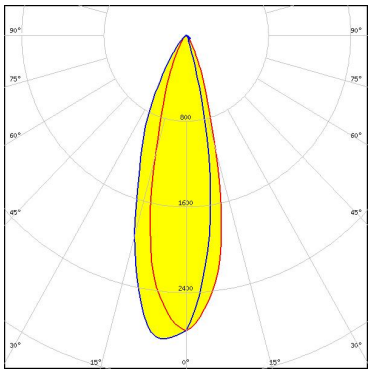
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

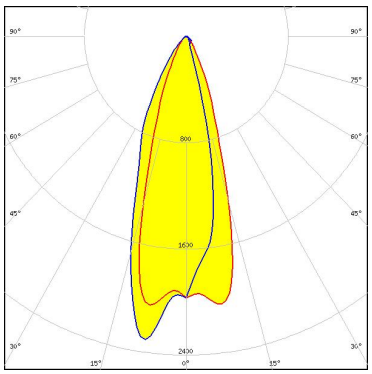
Protective plate, glass



OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	2.3 cd/lm
LEDs/each optic	4
Light colour	White

Required components:

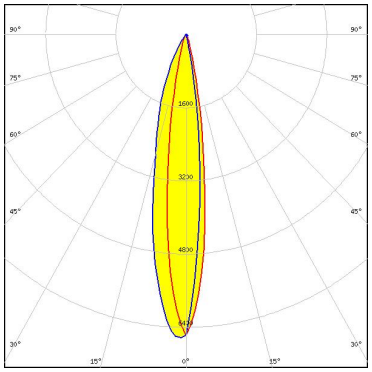


OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

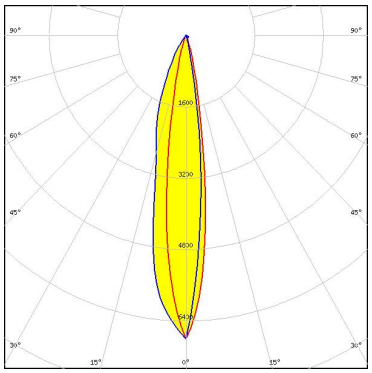


OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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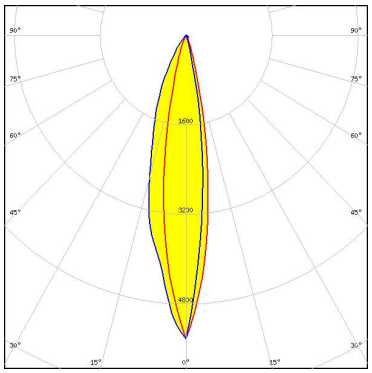
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

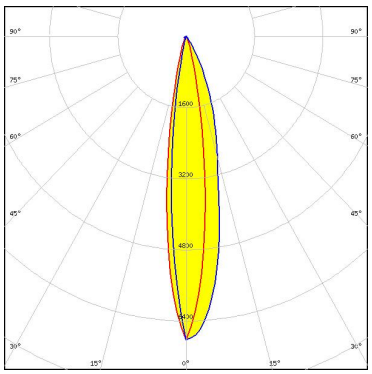
Protective plate, glass



OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 Flat
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

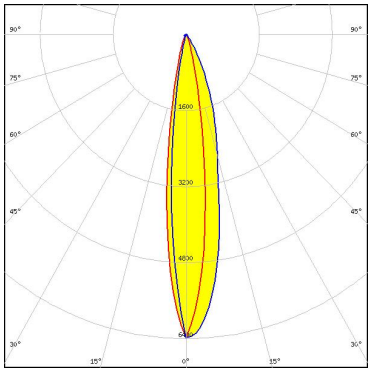


OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 Flat
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

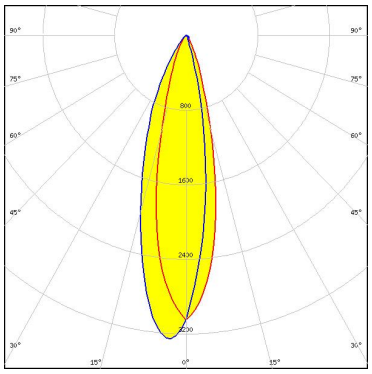


OSRAM
Opto Semiconductors

LED	OSCONIQ S 5050
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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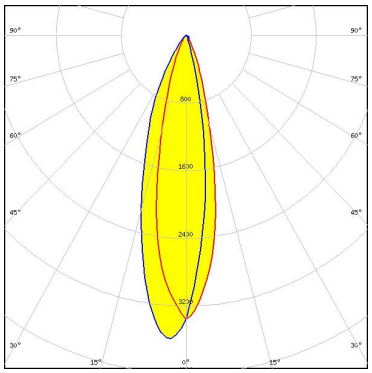
OPTICAL RESULTS (SIMULATED):

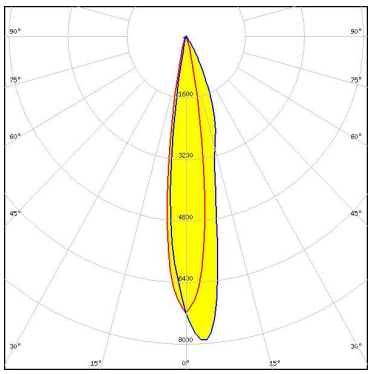
OSRAM
Opto Semiconductors

LED	OSCONIQ S 5050
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

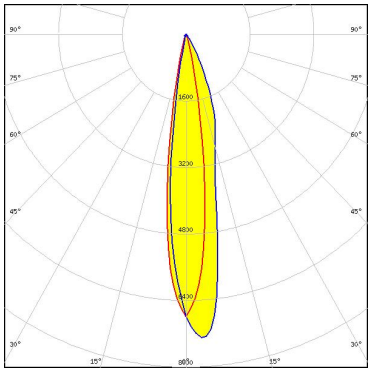
LED	OSLON Square Flat
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

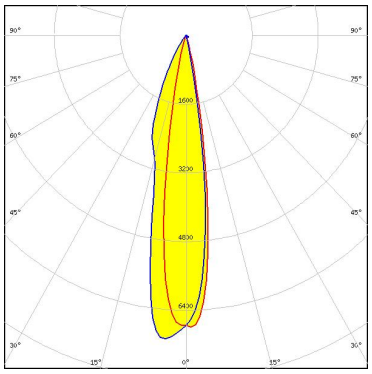
LED	OSLON Square Flat
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



OSRAM
Opto Semiconductors

LED	OSTAR Projection Compact (KW.CSLNM1.TG)
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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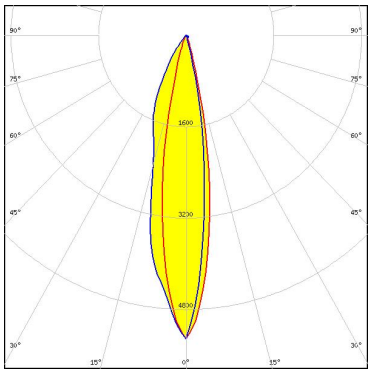
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

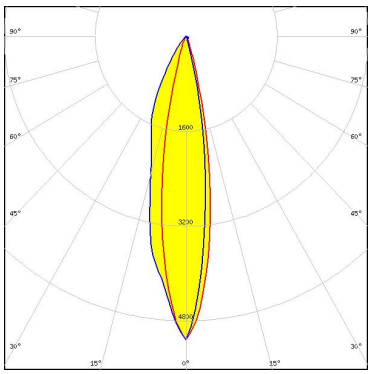


SAMSUNG

LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

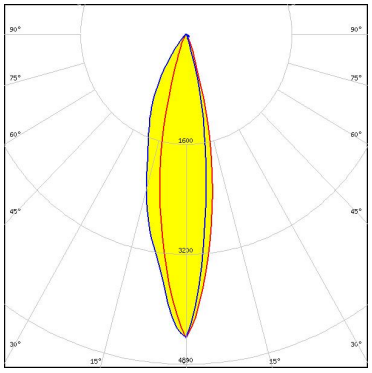
Protective plate, glass



SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

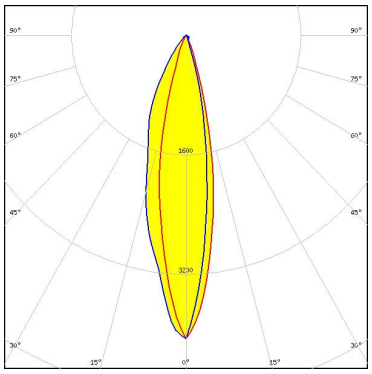


SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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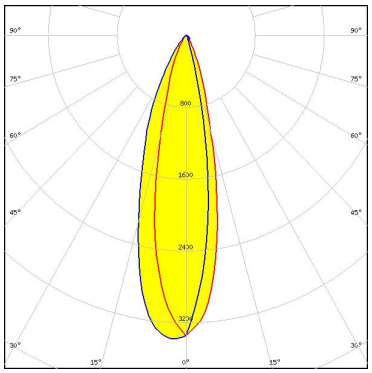
OPTICAL RESULTS (SIMULATED):

SAMSUNG

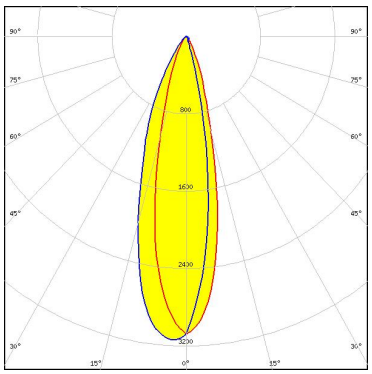
LED	LH502C
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH502C
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

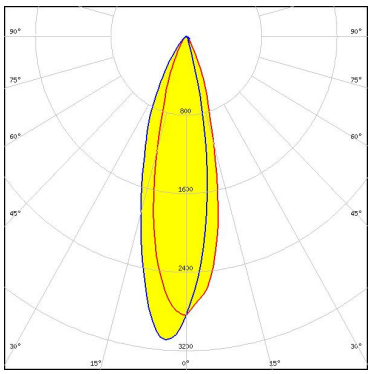
Protective plate, glass



SEOUL SEMICONDUCTOR

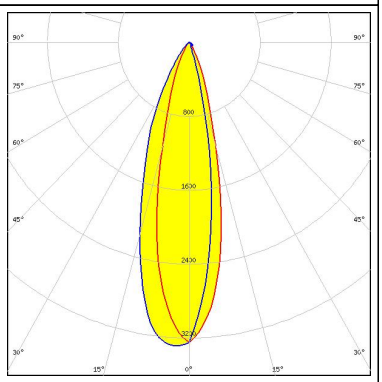
LED	MJT 5050
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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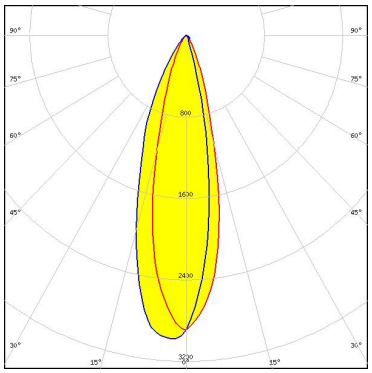
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

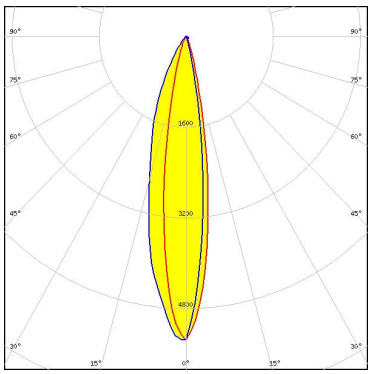


SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

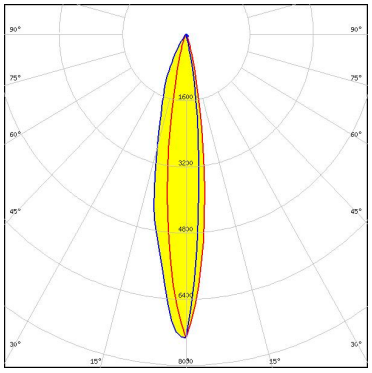
Protective plate, glass



SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

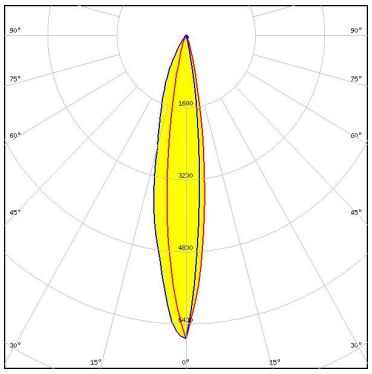


SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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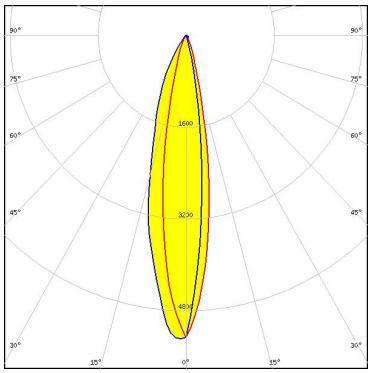
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

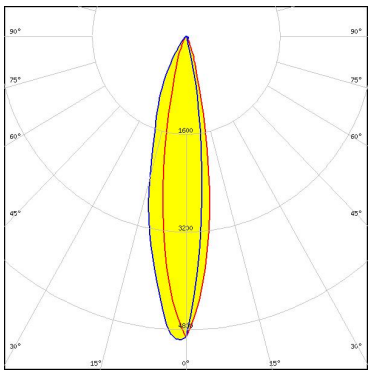
LED	Z5M5
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

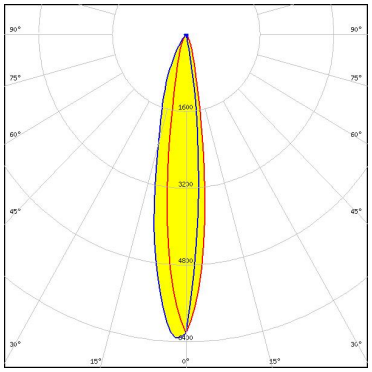
LED	Z5M5
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	Asymmetric
Efficiency	95 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour	White
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:

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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