SPORT-2X2-S2

Slightly asymmetric ~20° spot beam with minimum spill light



TECHNICAL SPECIFICATIONS:

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

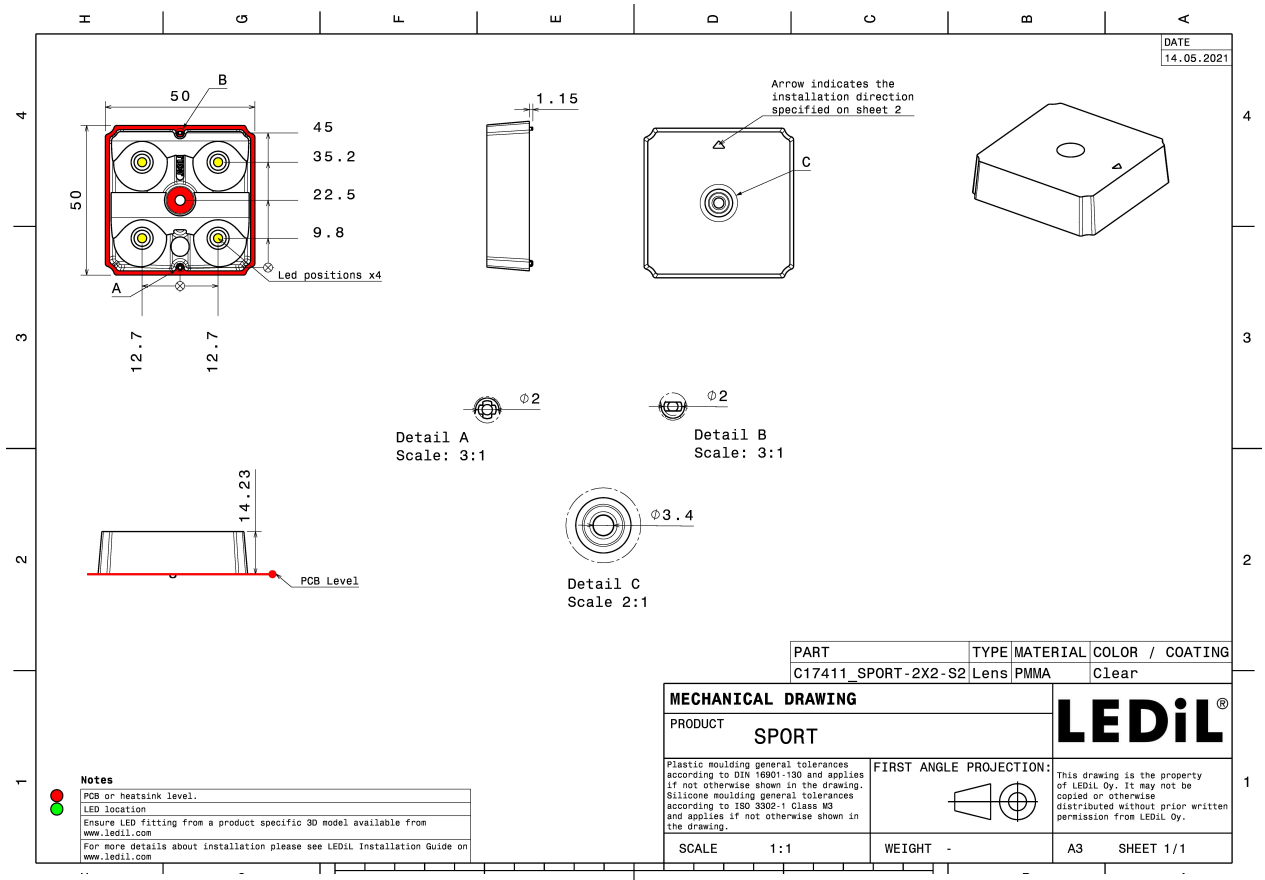
MATERIAL SPECIFICATIONS:

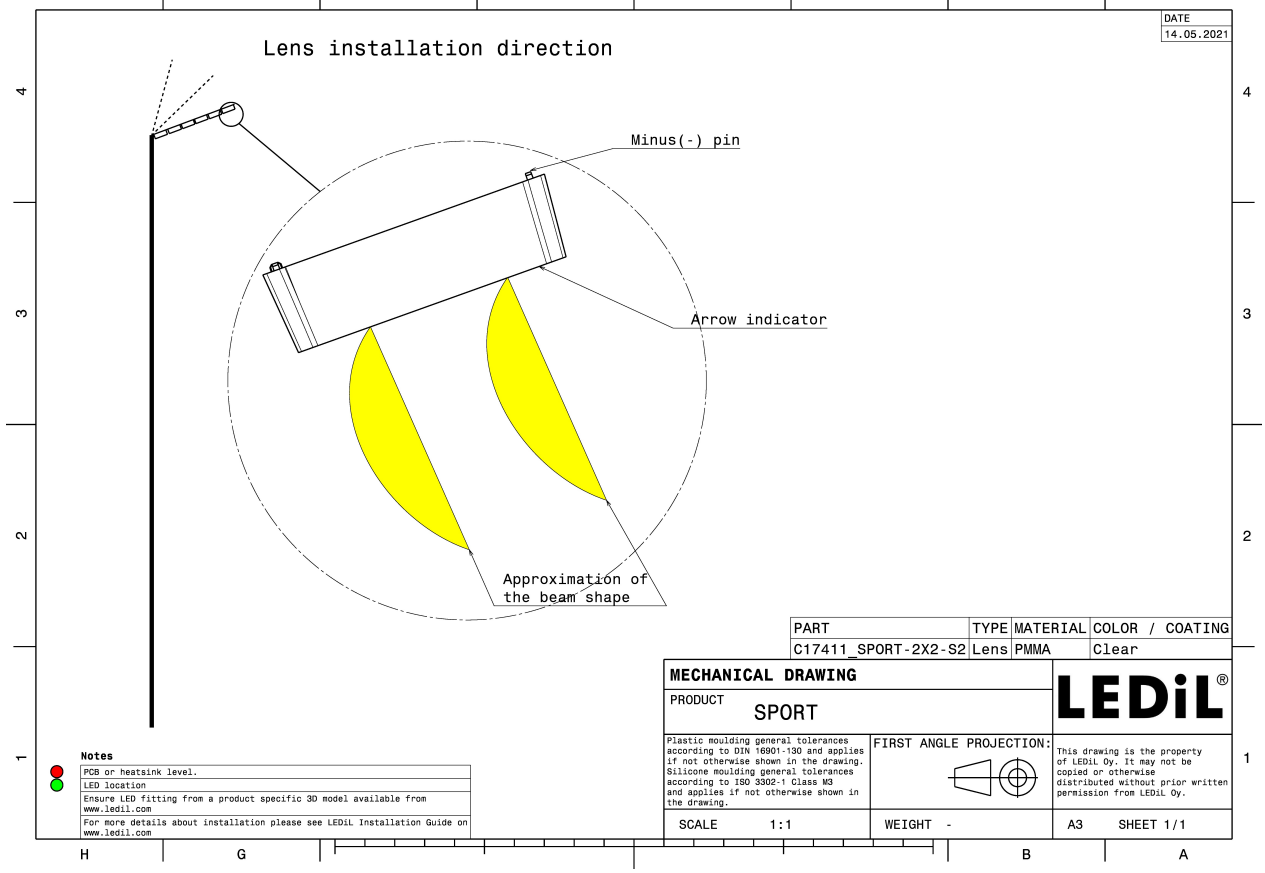
Component	Type	Material	Colour	Finish
SPORT-2X2-S2	Multi-lens	PMMA	clear	

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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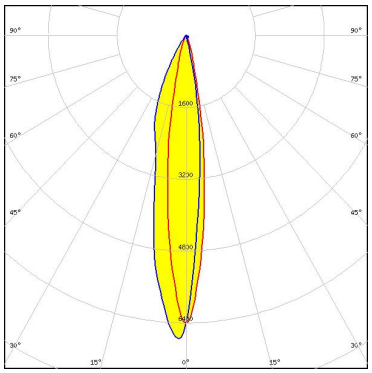
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

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

Required components:

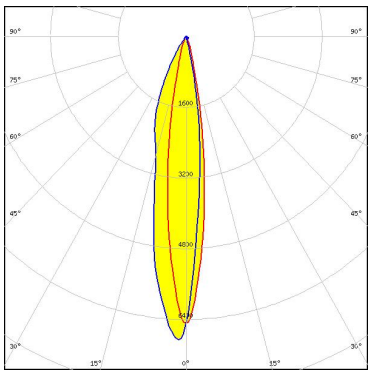
Protective plate, glass



LUMILEDS

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

Required components:

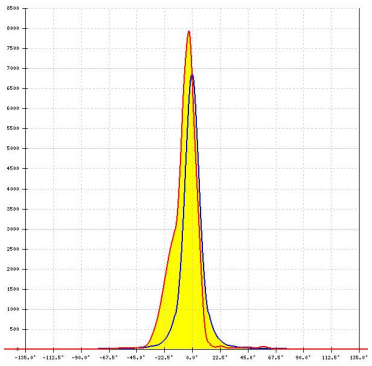


OSRAM
Opto Semiconductors

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:

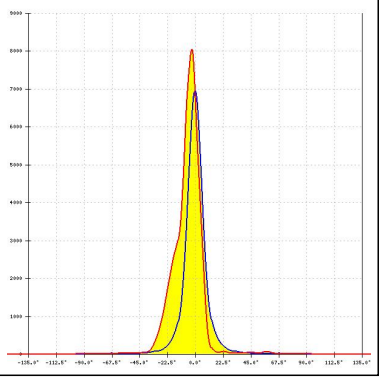
Protective plate, glass



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:



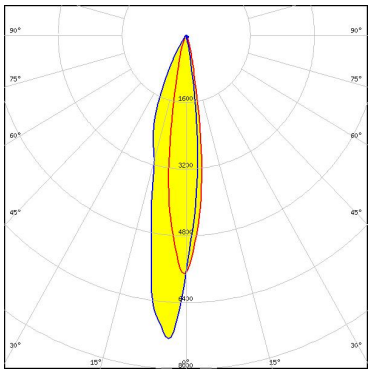
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

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

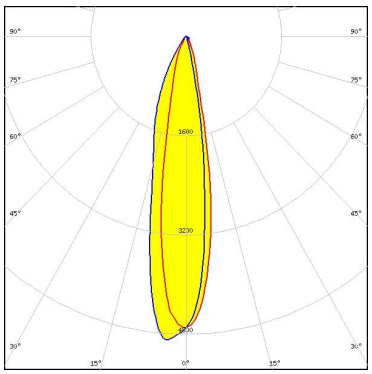
Required components:



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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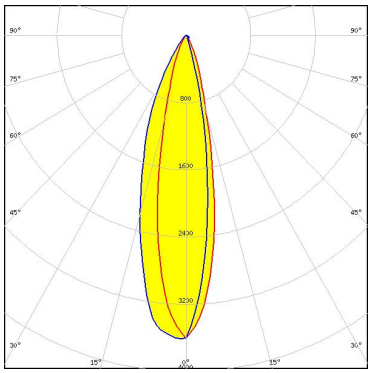
PHOTOMETRIC DATA (SIMULATED):

CREE LED

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:

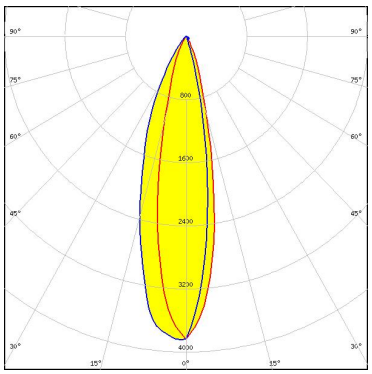
Protective plate, glass



CREE LED

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:

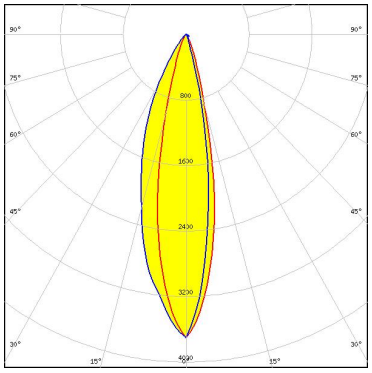


CREE LED

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

Required components:

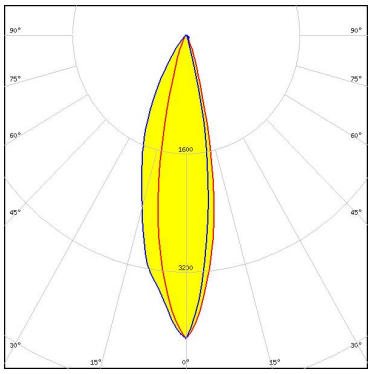
Protective plate, glass



CREE LED

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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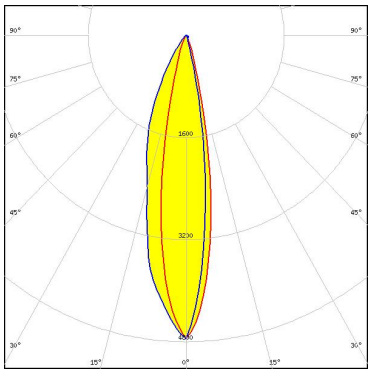
PHOTOMETRIC DATA (SIMULATED):

CREE LED

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

Required components:

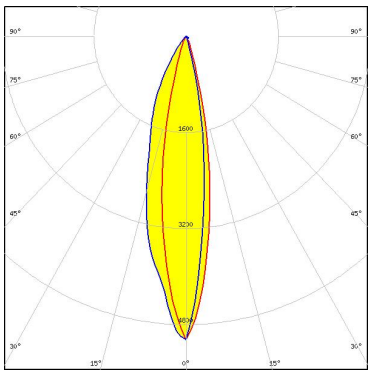
Protective plate, glass



CREE LED

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

Required components:

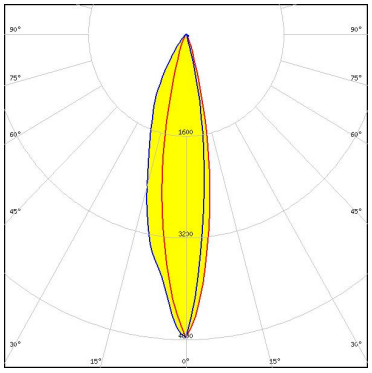


CREE LED

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

Required components:

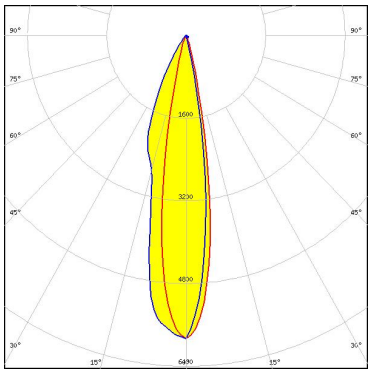
Protective plate, glass



CREE LED

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

Required components:



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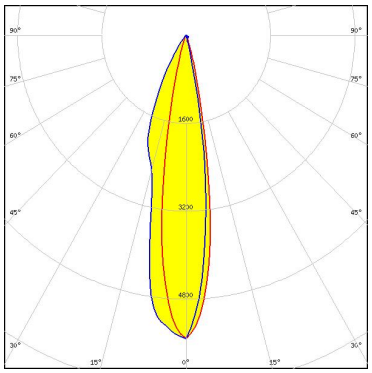
PHOTOMETRIC DATA (SIMULATED):

CREE LED

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

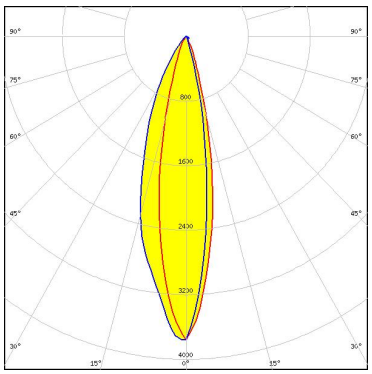


CREE LED

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

Required components:

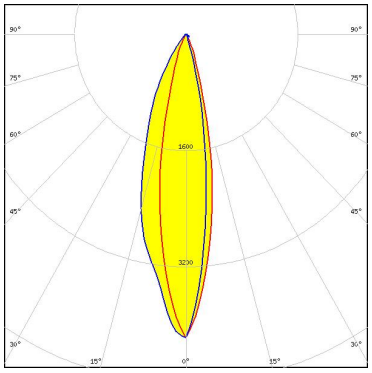
Protective plate, glass



CREE LED

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

Required components:

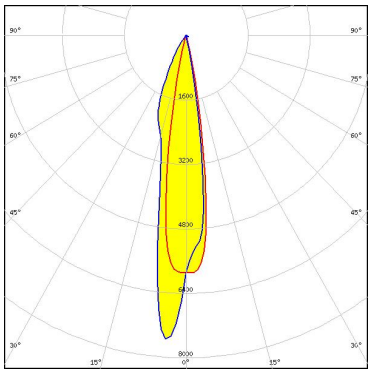


CREE LED

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

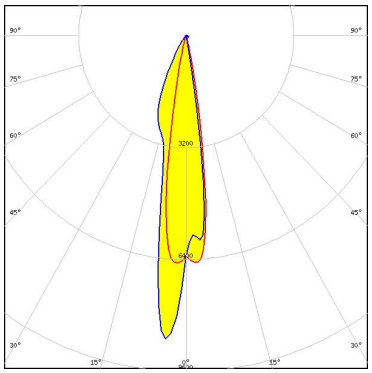


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PHOTOMETRIC DATA (SIMULATED):

CREE LED

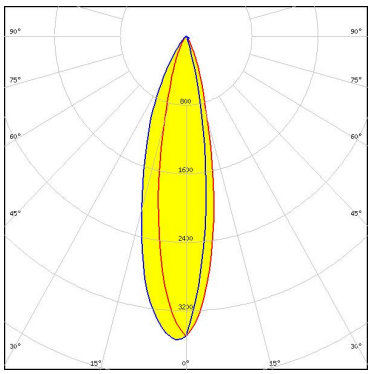
LED	XP-P
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	8.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

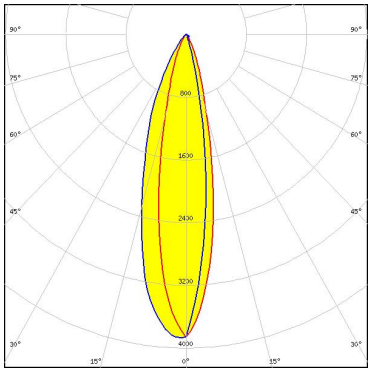
LED	LUXEON 5050 HE
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



LUMILEDS

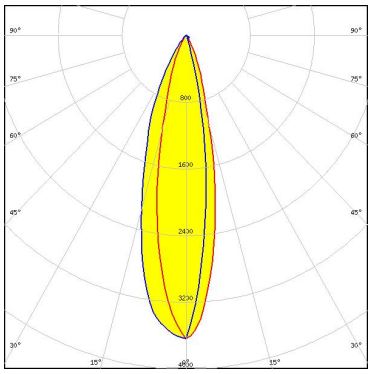
LED	LUXEON 5050 HE
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON 5050 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



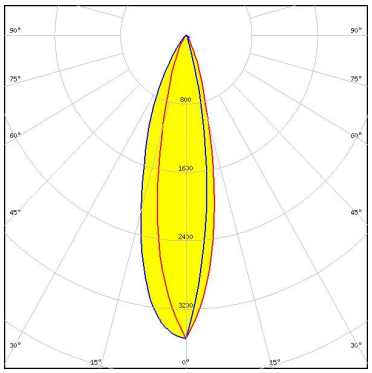
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PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

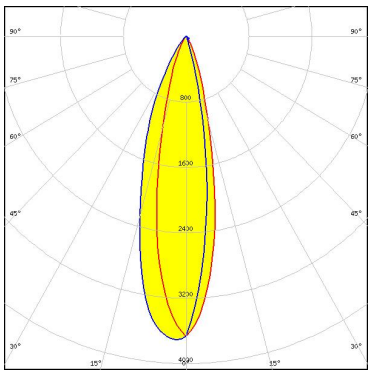
LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



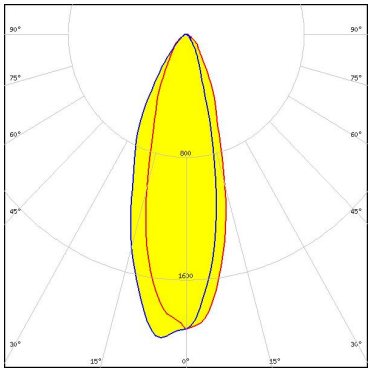
LUMILEDS

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:	



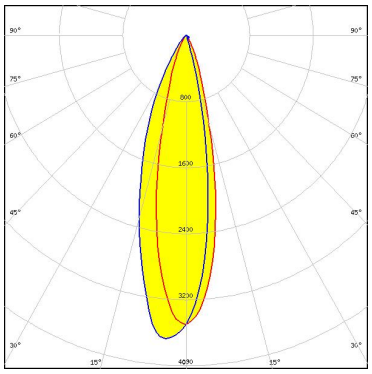
LUMILEDS

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



NICHIA

LED	NFMW48xA
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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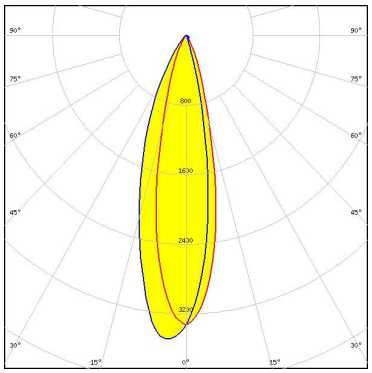
PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NFMW48xA
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

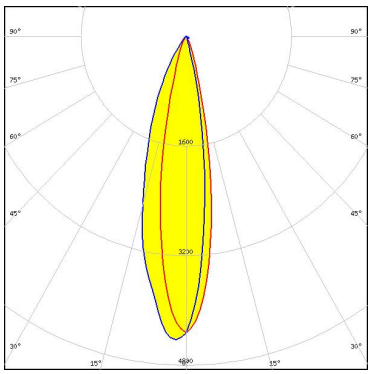


NICHIA

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

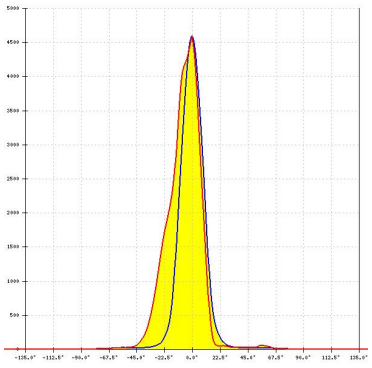


NICHIA

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

Required components:

Protective plate, glass

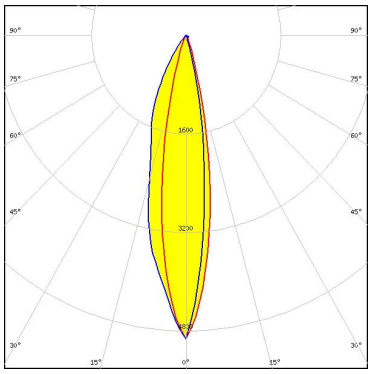


NICHIA

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



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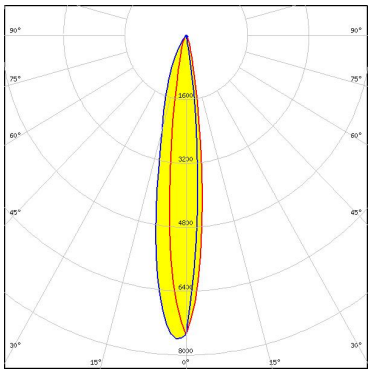
PHOTOMETRIC DATA (SIMULATED):

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

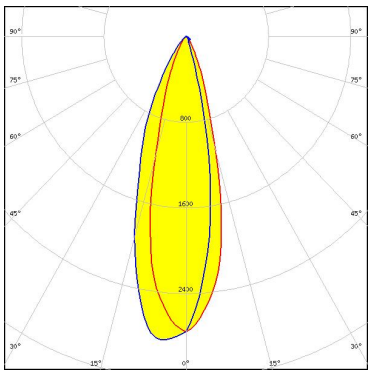


OSRAM
Opto Semiconductors

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

Required components:

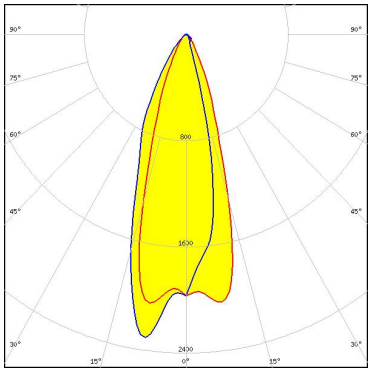
Protective plate, glass



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:

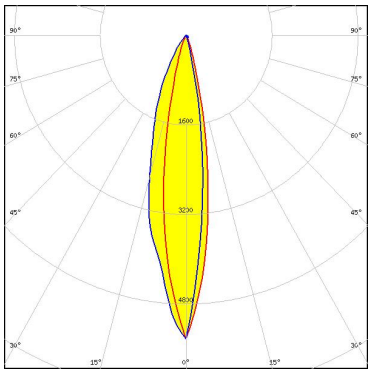


OSRAM
Opto Semiconductors

LED	OSCONIQ 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



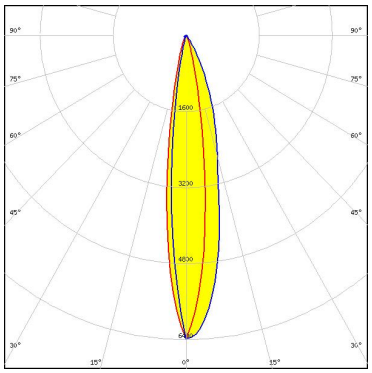
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PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

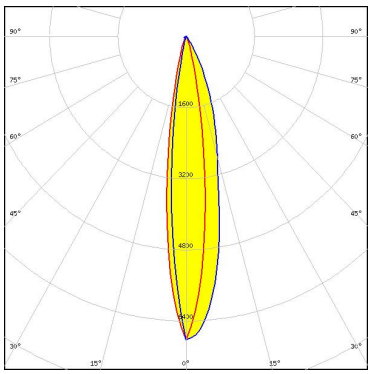
LED	OSCONIQ P 3737 Flat
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



OSRAM
Opto Semiconductors

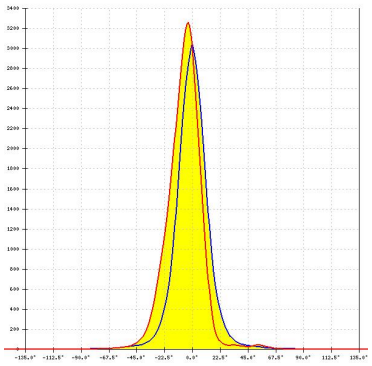
LED	OSCONIQ P 3737 Flat
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

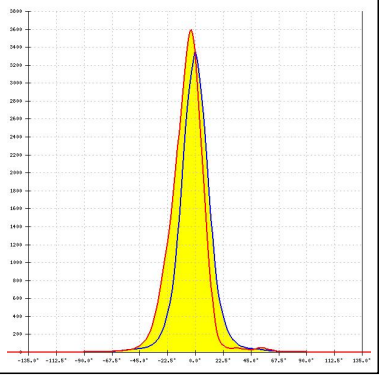
LED	OSCONIQ S 5050
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



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:	



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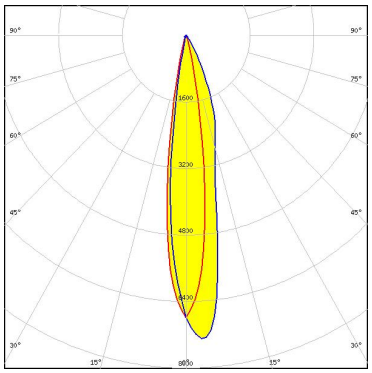
PHOTOMETRIC DATA (SIMULATED):

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:

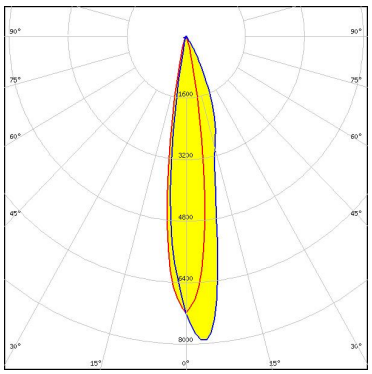
Protective plate, glass



OSRAM Opto Semiconductors

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

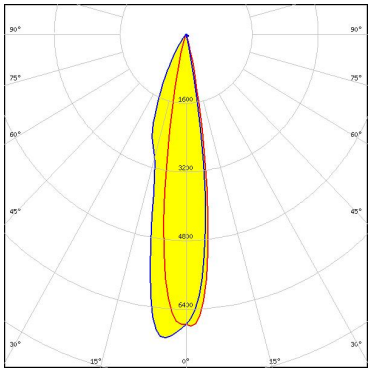
Required components:



OSRAM Opto Semiconductors

LED	OSTAR Projection Compact (Kx.CSLNM1.xx)
FWHM / FWTM	Asymmetric
Efficiency	97 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

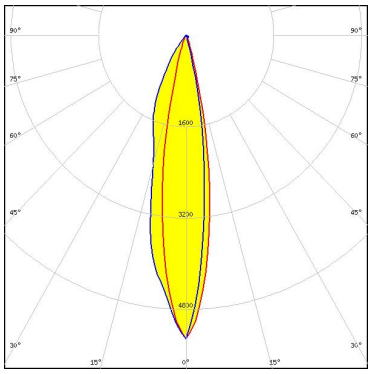


SAMSUNG

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



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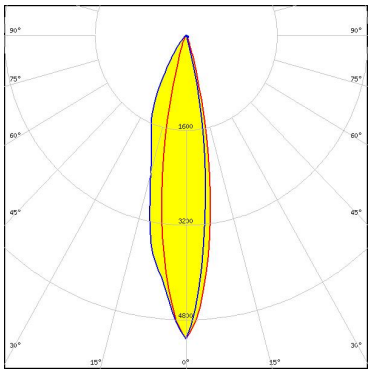
PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

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

Required components:

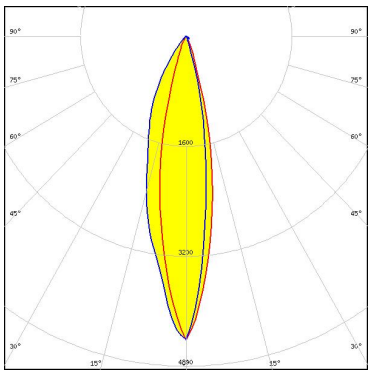
Protective plate, glass



SAMSUNG

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

Required components:

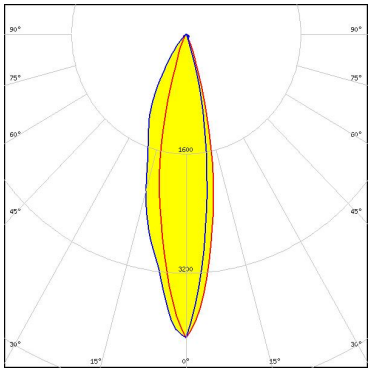


SAMSUNG

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

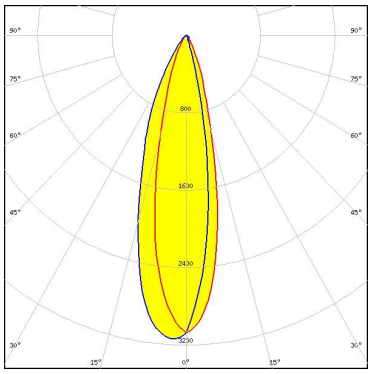


SAMSUNG

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

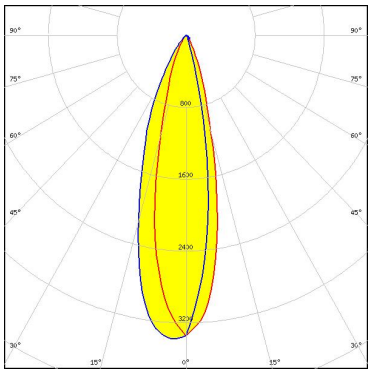


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PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

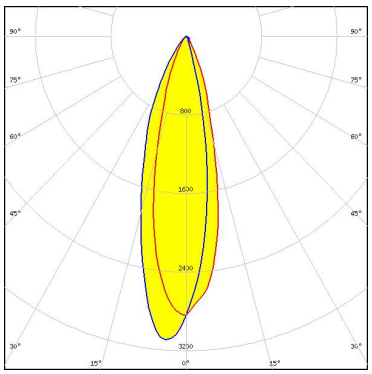
LED	LH502C
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

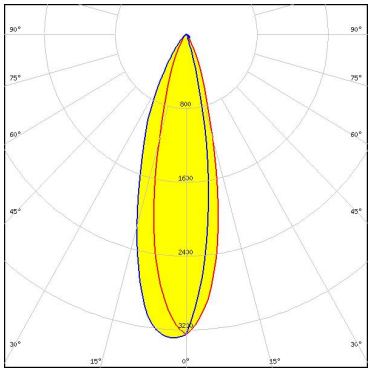
LED	MJT 5050
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



SEOUL SEMICONDUCTOR

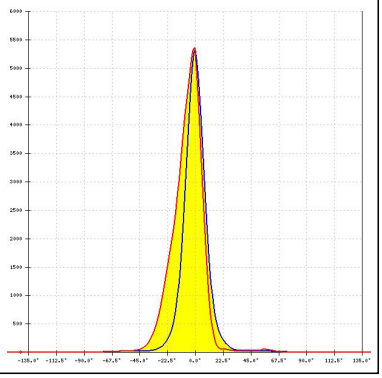
LED	SEOUL DC 5050 6V
FWHM / FWTM	Asymmetric
Efficiency	96 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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

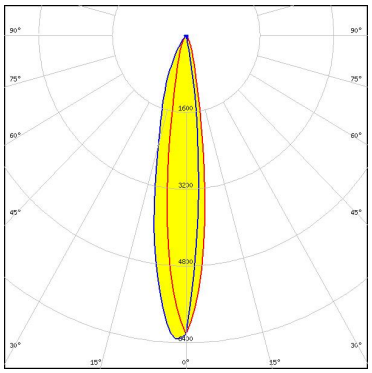


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PHOTOMETRIC DATA (SIMULATED):

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:

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