SPORT-2X2-FT60

Narrow forward throw beam for high masts

SPECIFICATION:

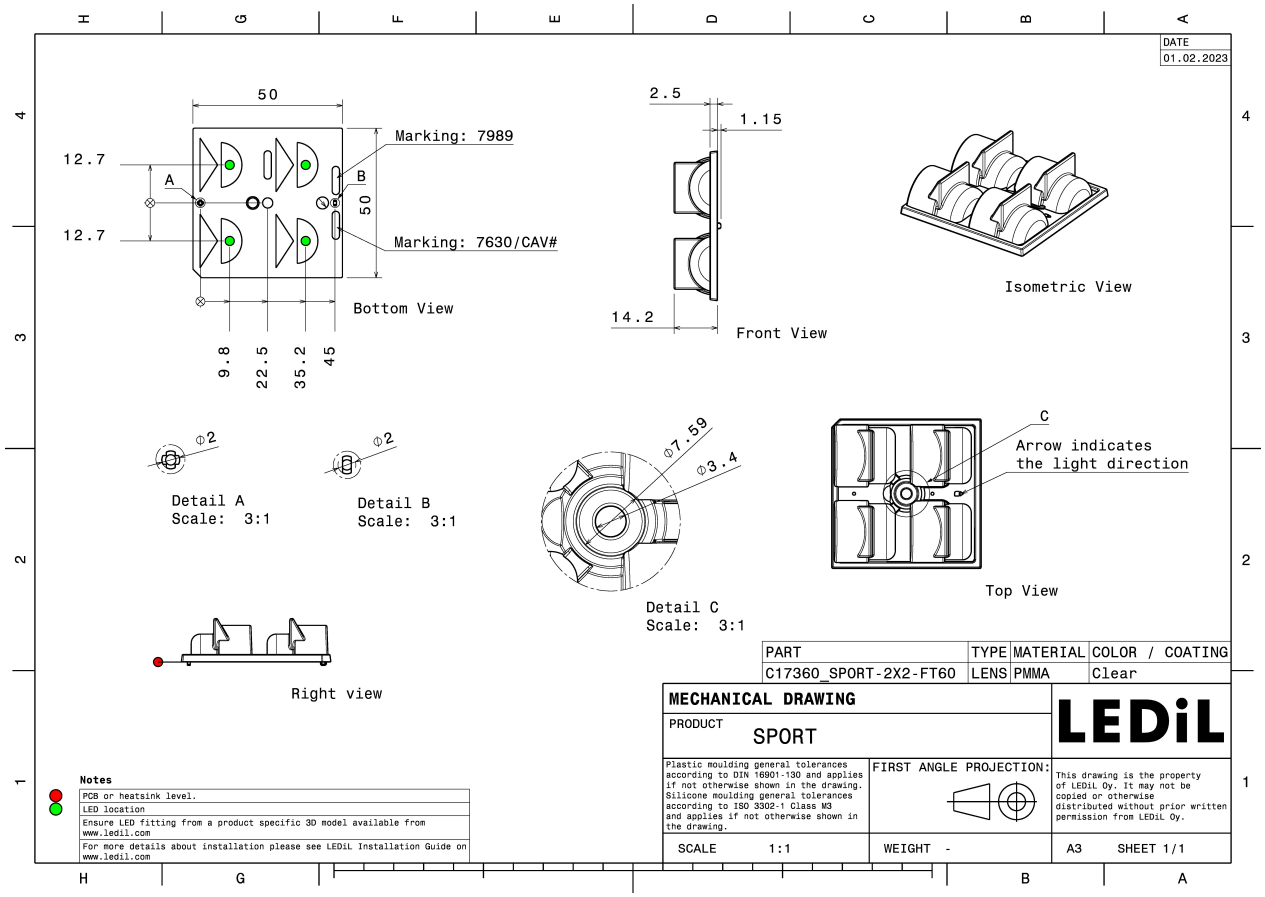
Dimensions	50.0 x 50.0 mm
Height	15.5 mm
Fastening	screw
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
SPORT-2X2-FT60	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17360_SPORT-2X2-FT60 » Box size: 480 x 280 x 300 mm	640	128	128	9.5



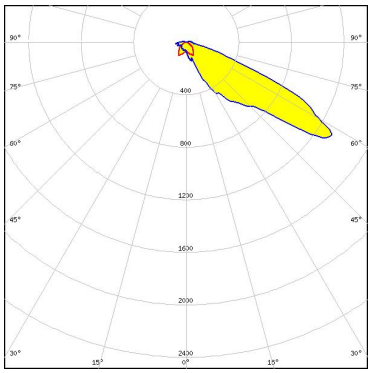
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

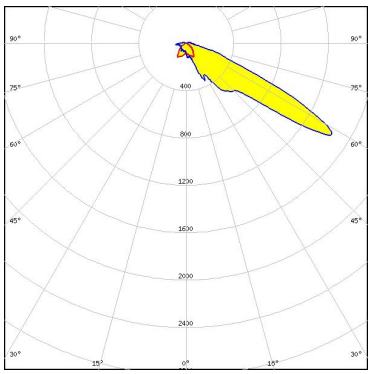
Required components:



TEPCOMP group

LED	PassivePAQ-R-222x50.OS1.9.7K-750-5 V1.0
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

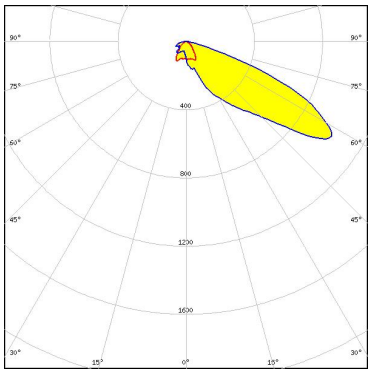


OPTICAL RESULTS (SIMULATED):

CREE LEDs

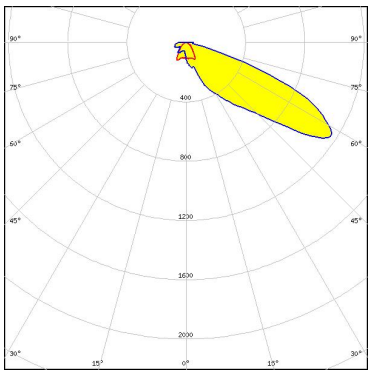
LED	J Series 5050 Round LES
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



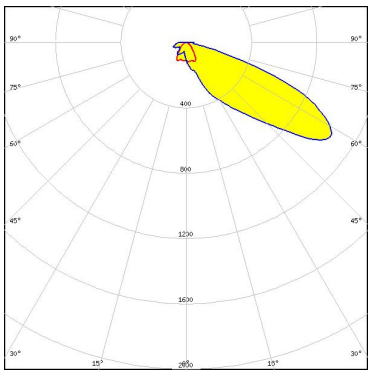
CREE LEDs

LED	J Series 5050 Round LES
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



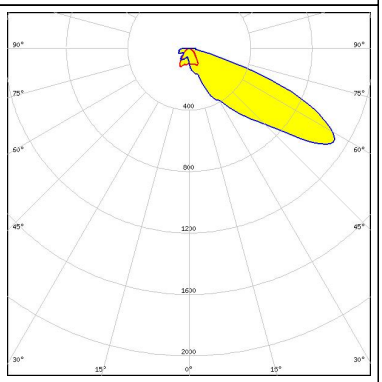
CREE LEDs

LED	J Series 5050B 6V K Class
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

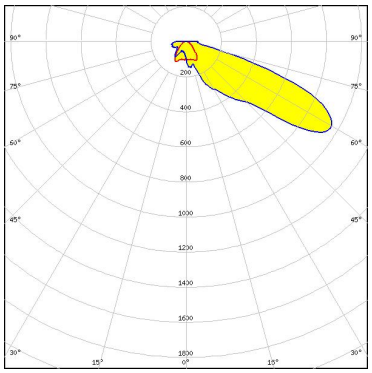
LED	J Series 5050C 6V E Class
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

CREE LEDs

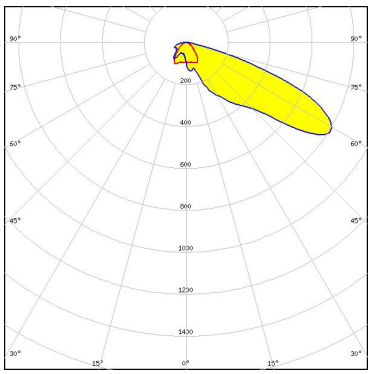
LED	XHP35.2 HD
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XHP35.2 HD
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

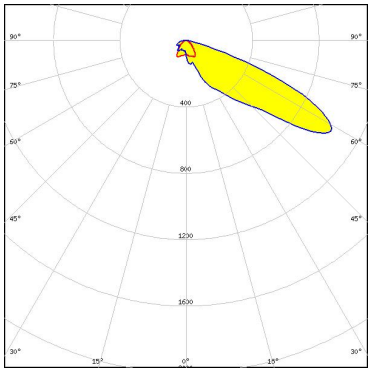
Protective plate, glass



CREE LEDs

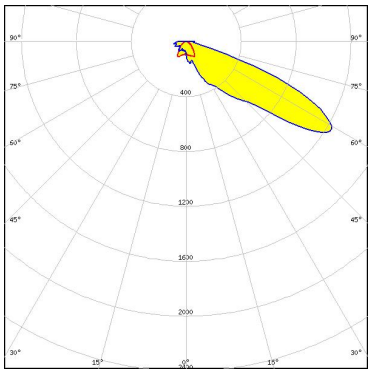
LED	XHP35.2 HI
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XHP50.3 HI
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

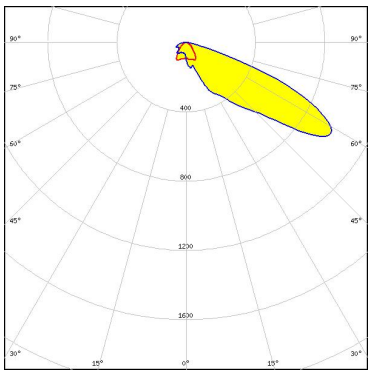
Required components:

CREE LEDs

LED	XHP50.3 HI
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

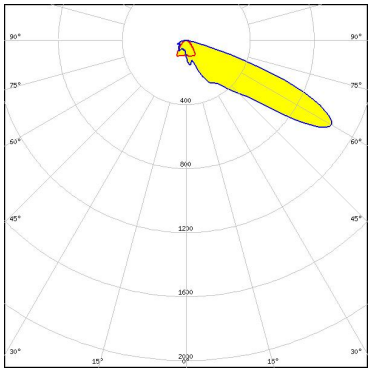


CREE LEDs

LED	XM-L3
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

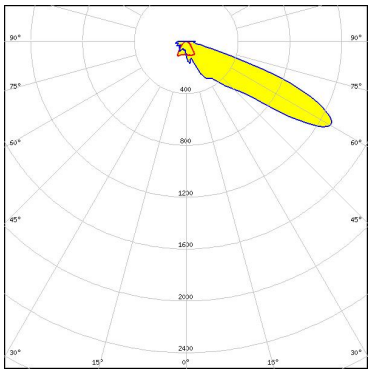
Protective plate, glass



CREE LEDs

LED	XM-L3
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

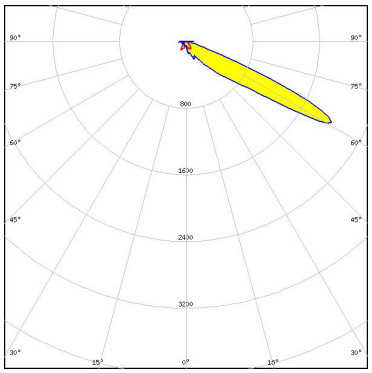
Required components:



OPTICAL RESULTS (SIMULATED):

CREE LEDs

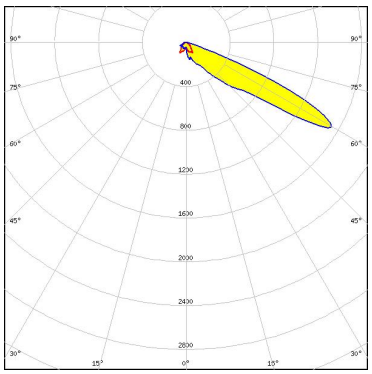
LED	XP-E2
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	Green
Required components:	



CREE LEDs

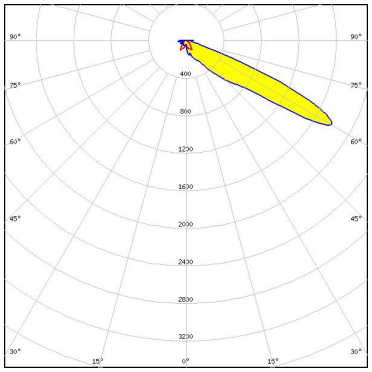
LED	XP-G2
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



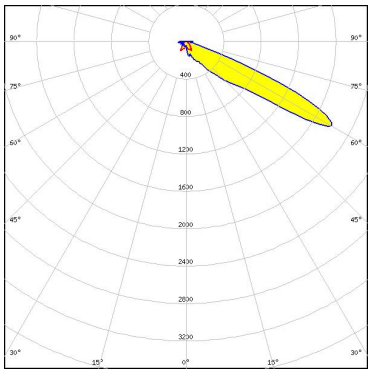
CREE LEDs

LED	XP-G2
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



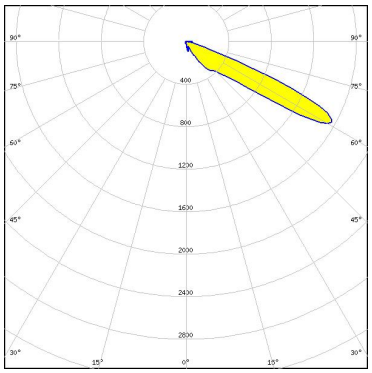
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	61 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17929_SPORT-2X2-FT-SHD-BLK

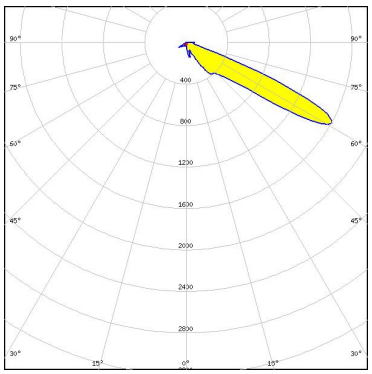


CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C18069_SPORT-2X2-FT-SHD-WHT

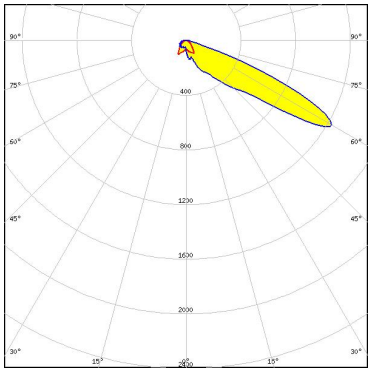


CREE LEDs

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

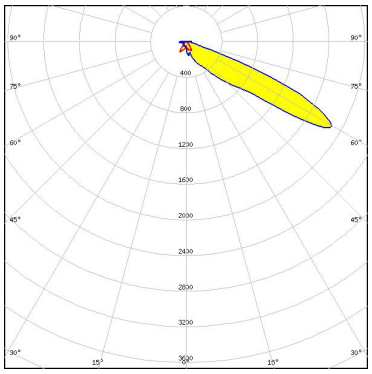
Protective plate, glass



CREE LEDs

LED	XP-G4
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



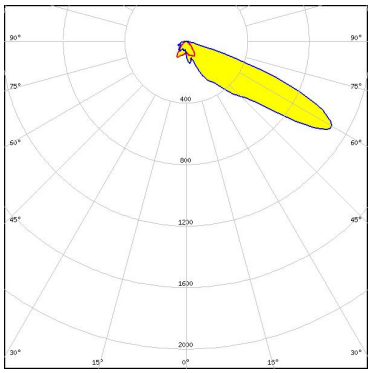
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-L HD
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

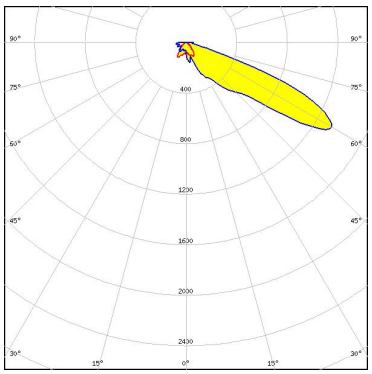
Protective plate, glass



CREE LEDs

LED	XP-L HD
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

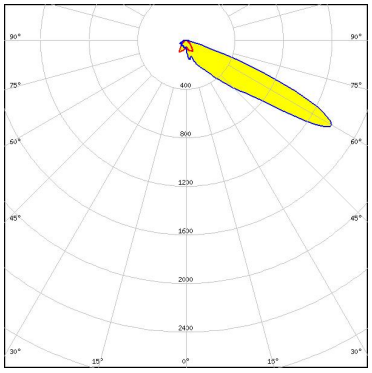


CREE LEDs

LED	XP-L HI
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

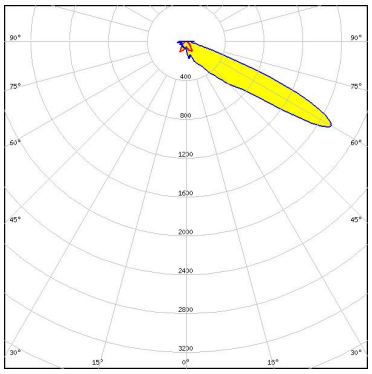
Protective plate, glass



CREE LEDs

LED	XP-L HI
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



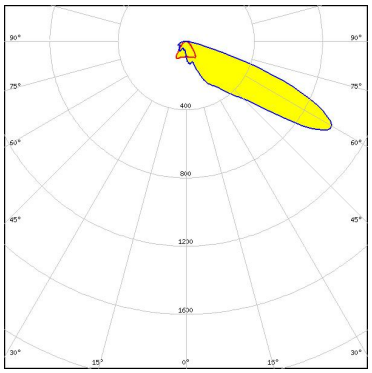
OPTICAL RESULTS (SIMULATED):

CREE LEDs

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

Required components:

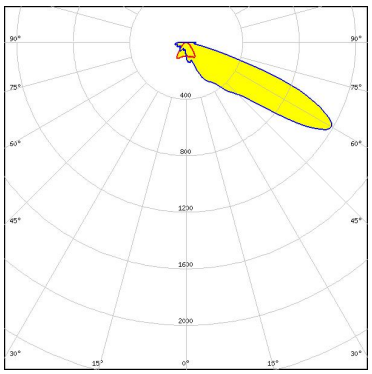
Protective plate, glass



CREE LEDs

LED	XP-L2
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

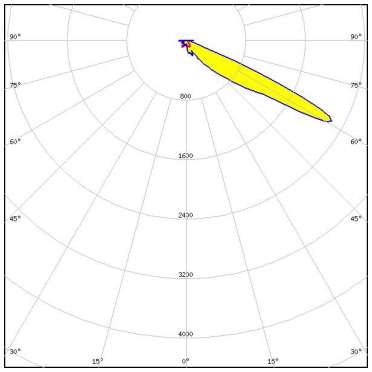
Required components:



CREE LEDs

LED	XP-P
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

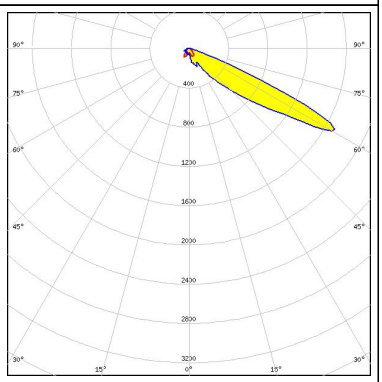


CREE LEDs

LED	XP-P
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

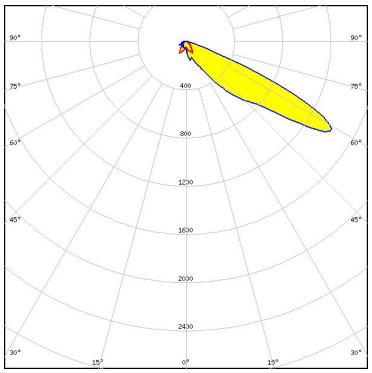


OPTICAL RESULTS (SIMULATED):

LUMILEDS

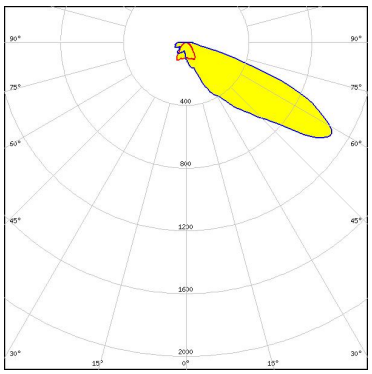
LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



LUMILEDS

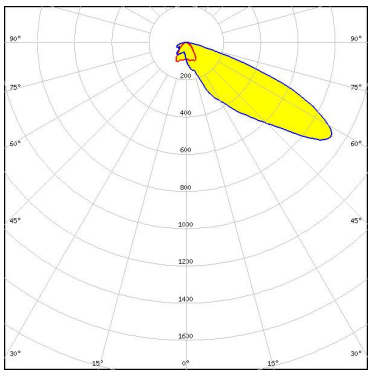
LED	LUXEON 5050 HE
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON 5050 HE
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

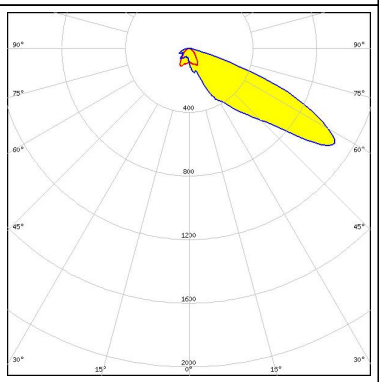
Protective plate, glass



LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



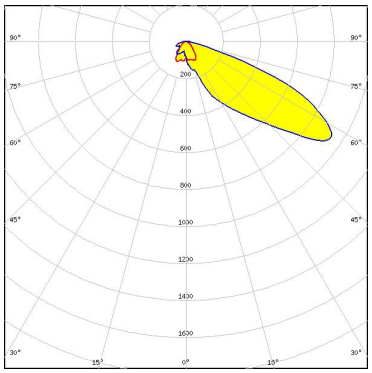
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

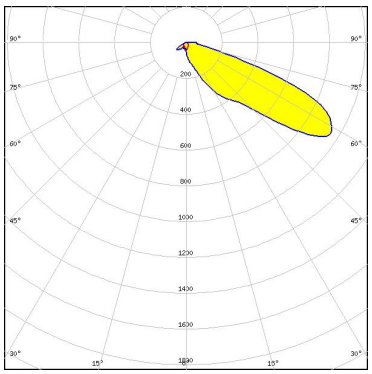


LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	70 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

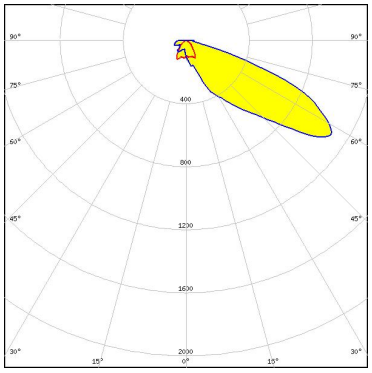
C18069_SPORT-2X2-FT-SHD-WHT



LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

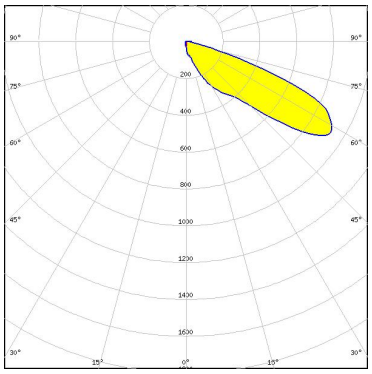


LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	Asymmetric
Efficiency	58 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

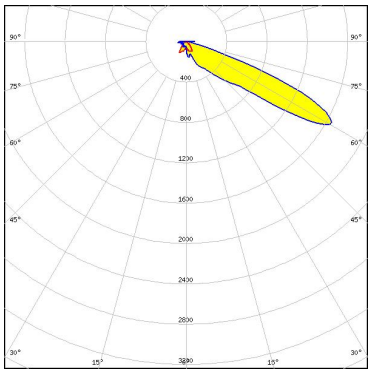
C17929_SPORT-2X2-FT-SHD-BLK



OPTICAL RESULTS (SIMULATED):

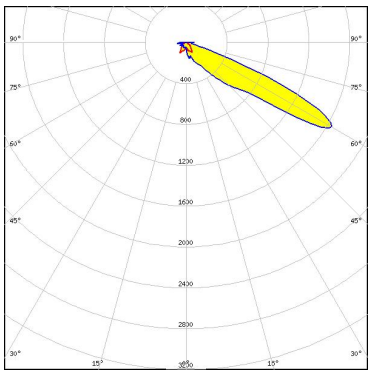
LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



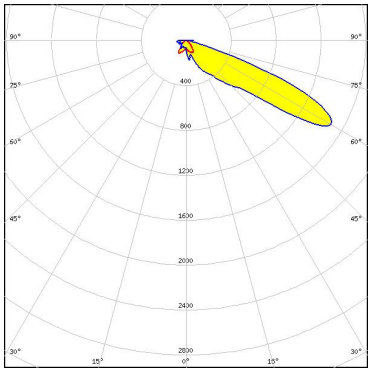
LUMILEDS

LED	LUXEON TX
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

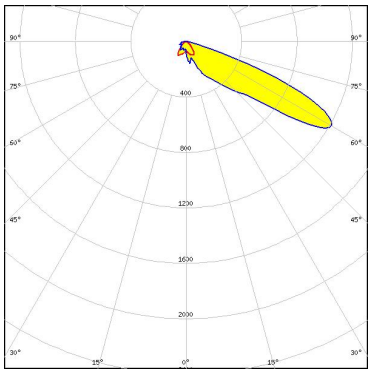
LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

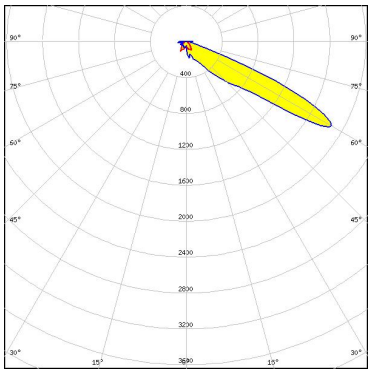
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

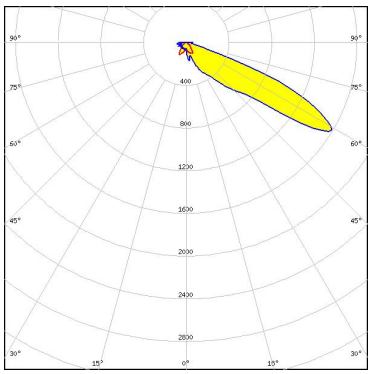
LUMINUS

LED	SFT-40-WCS
FWHM / FWTM	90.0 + 15.0° / 142.0 + 61.0°
Efficiency	92 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



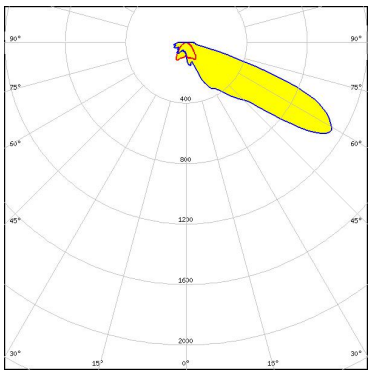
LUMINUS

LED	SFT-70X-WCS
FWHM / FWTM	87.0 + 18.0° / 141.0 + 65.0°
Efficiency	92 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMINUS

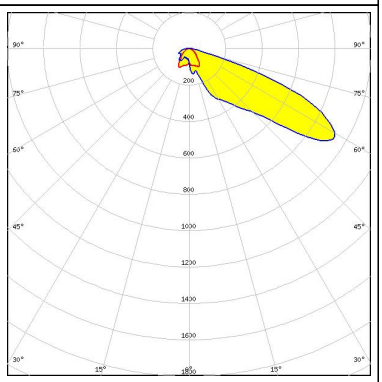
LED	SST-70X-WCS
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMINUS

LED	SST-70X-WCS
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



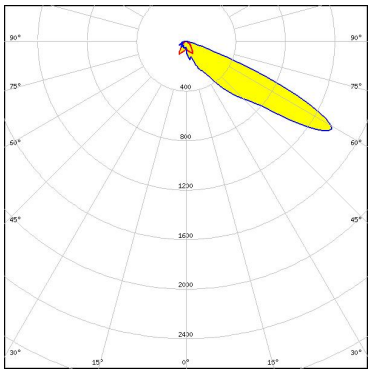
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NFSx757G
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



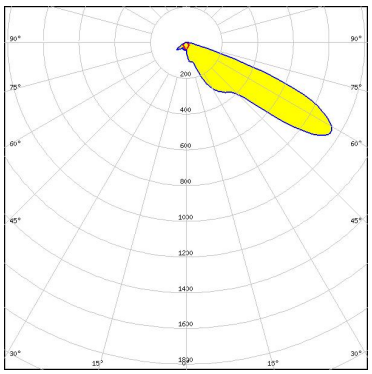
NICHIA

LED	NV4WB35AM
FWHM / FWTM	Asymmetric
Efficiency	61 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C18069_SPORT-2X2-FT-SHD-WHT

Protective plate, glass

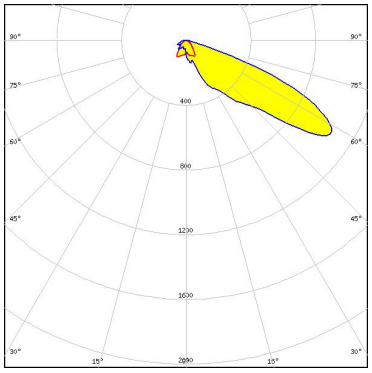


NICHIA

LED	NV4WB35AM
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



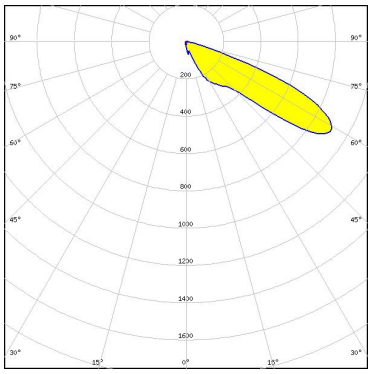
NICHIA

LED	NV4WB35AM
FWHM / FWTM	Asymmetric
Efficiency	49 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17929_SPORT-2X2-FT-SHD-BLK

Protective plate, glass

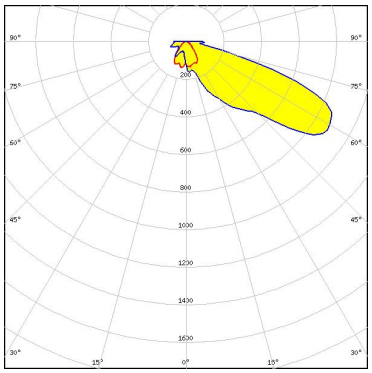


OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NV4x144A
FWHM / FWTM	Asymmetric
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

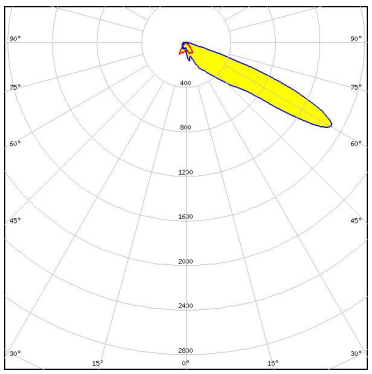


NICHIA

LED	NVSW219D
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

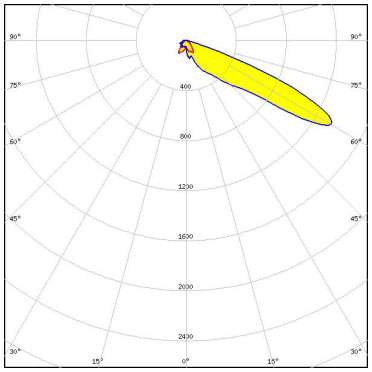


NICHIA

LED	NVSW219F
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

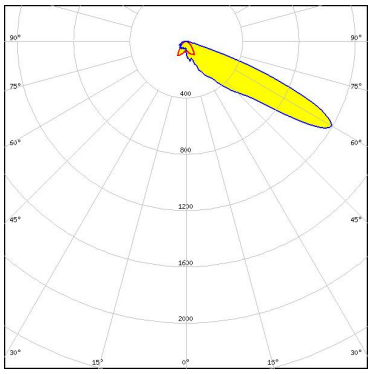


NICHIA

LED	NVSW3x9A
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



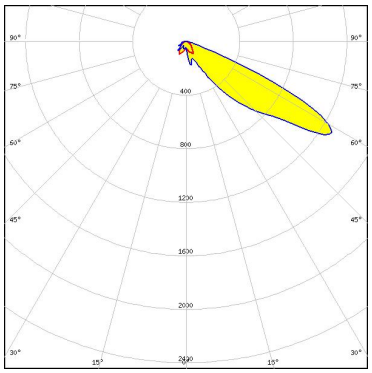
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NVSxE21A
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

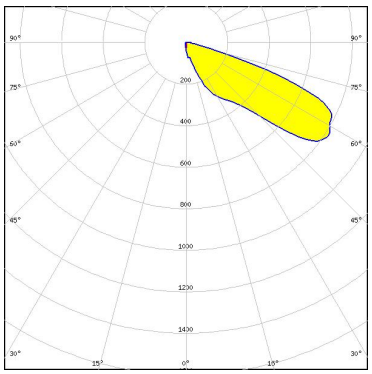


OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	57 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17929_SPORT-2X2-FT-SHD-BLK

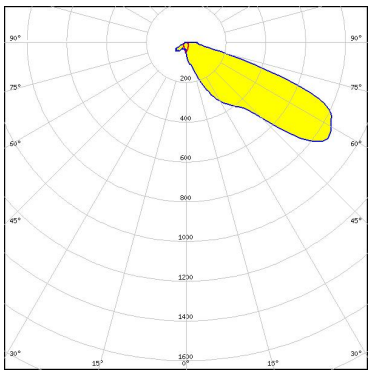


OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	70 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

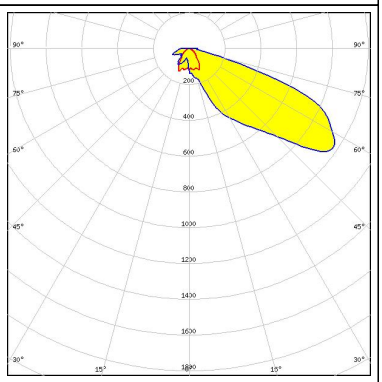
C18069_SPORT-2X2-FT-SHD-WHT



OSRAM
Opto Semiconductors

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

Required components:



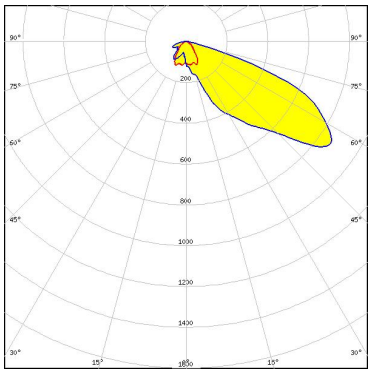
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

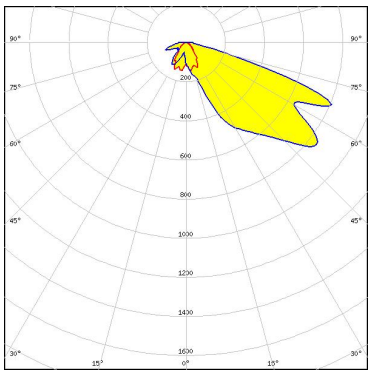
Protective plate, glass



OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	0.8 cd/lm
LEDs/each optic	4
Light colour	White

Required components:

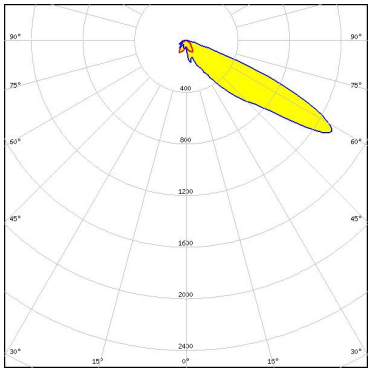


OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



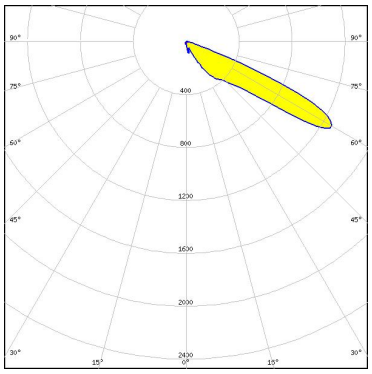
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	Asymmetric
Efficiency	51 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17929_SPORT-2X2-FT-SHD-BLK

Protective plate, glass



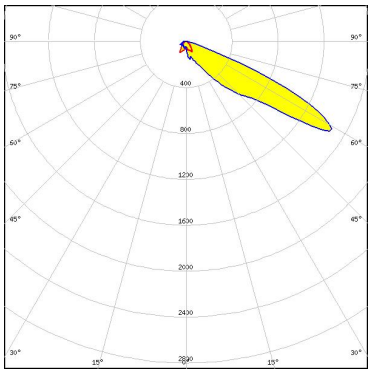
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

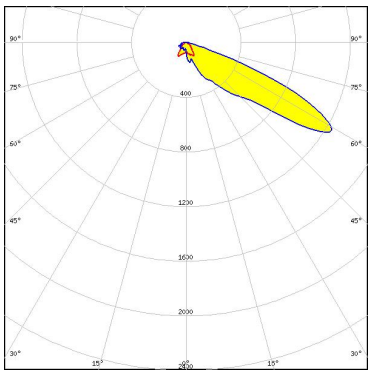


OSRAM
Opto Semiconductors

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

Required components:

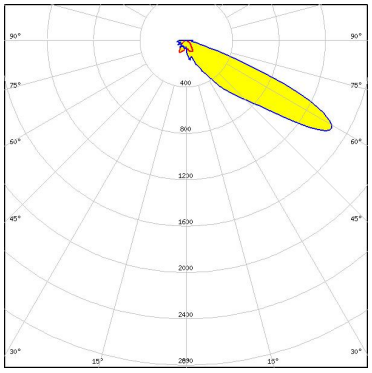
Protective plate, glass



OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 Flat
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

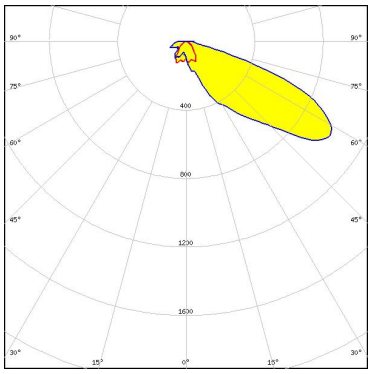
Required components:



OSRAM
Opto Semiconductors

LED	OSCONIQ S 5050
FWHM / FWTM	Asymmetric
Efficiency	93 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



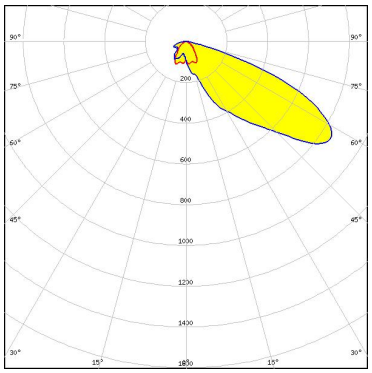
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSCONIQ S 5050
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



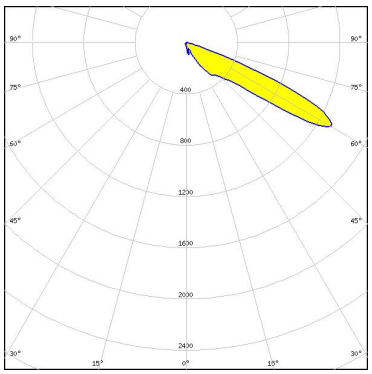
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	51 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C17929_SPORT-2X2-FT-SHD-BLK

Protective plate, glass

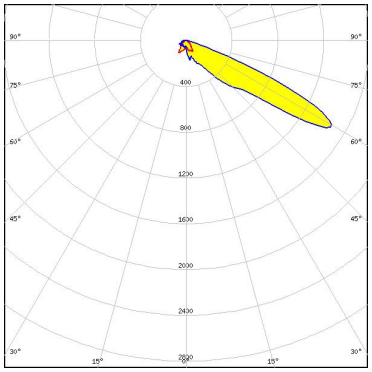


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

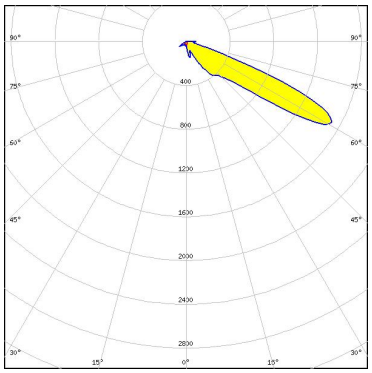


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	73 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C18069_SPORT-2X2-FT-SHD-WHT



OPTICAL RESULTS (SIMULATED):

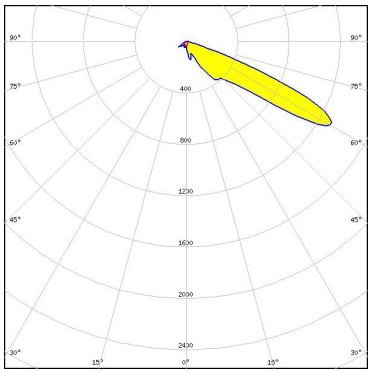
OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	63 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C18069_SPORT-2X2-FT-SHD-WHT

Protective plate, glass

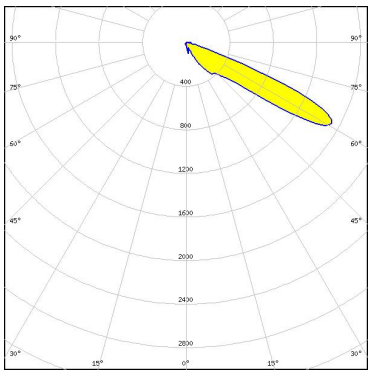


OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	62 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

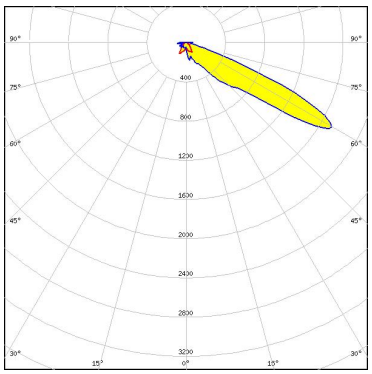
C17929_SPORT-2X2-FT-SHD-BLK



OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

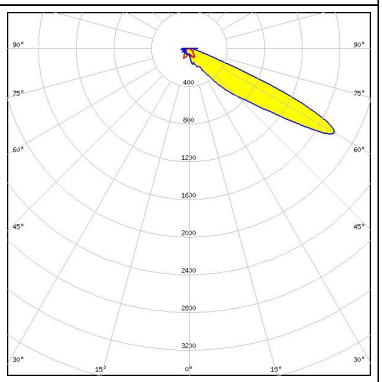
Required components:



OSRAM Opto Semiconductors

LED	OSLON Square Flat
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

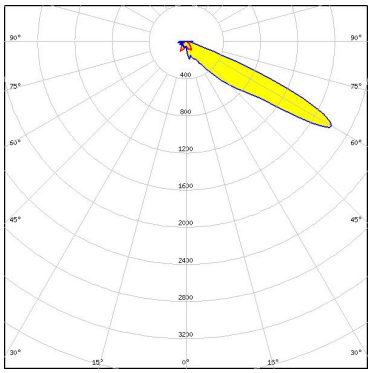
Required components:



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

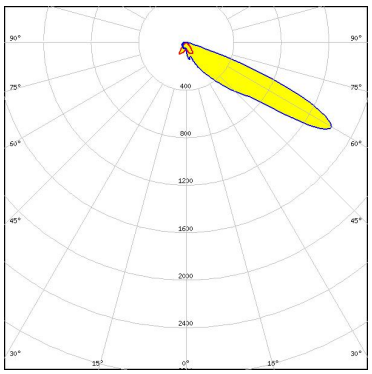
LED	OSTAR Projection Compact (KW.CSLNM1.TG)
FWHM / FWTM	Asymmetric
Efficiency	92 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

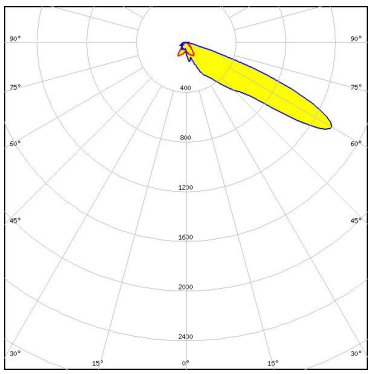
Protective plate, glass



SAMSUNG

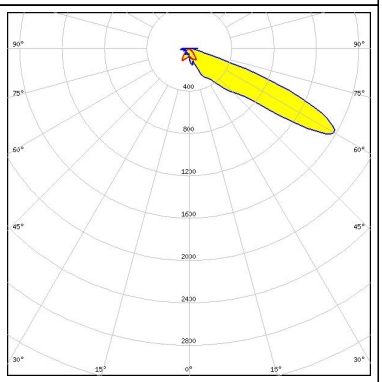
LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



SAMSUNG

LED	LH351C
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



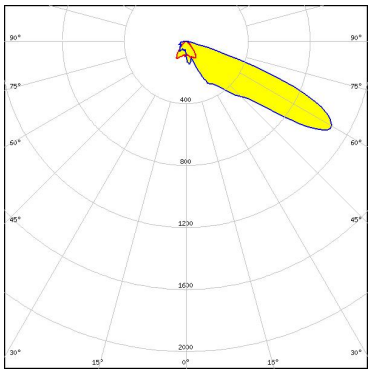
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	74 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

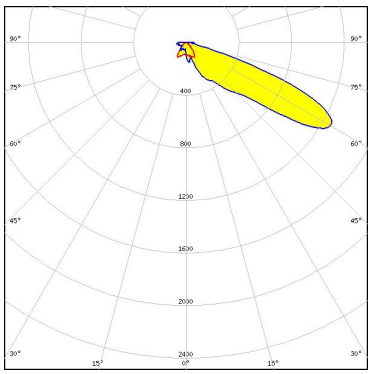
Protective plate, glass



SAMSUNG

LED	LH351D
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

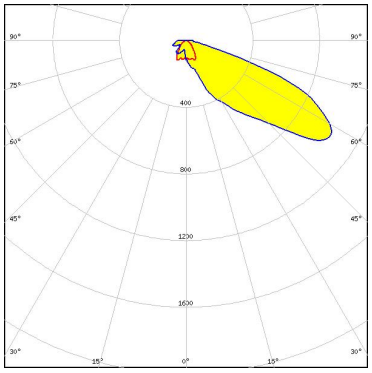
Required components:



SAMSUNG

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

Required components:

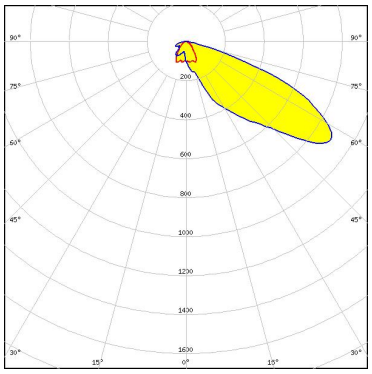


SAMSUNG

LED	LH502C
FWHM / FWTM	Asymmetric
Efficiency	75 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	MJT 5050
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

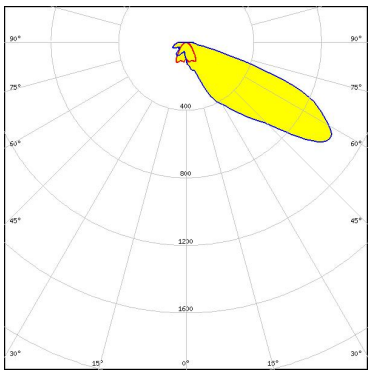
Required components:

Protective plate, glass

SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

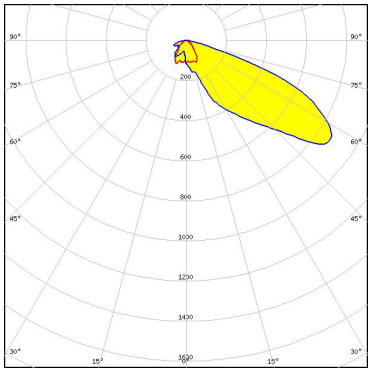


SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

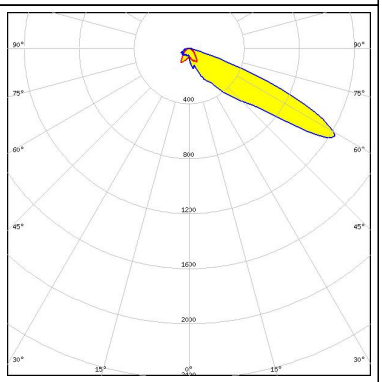


SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



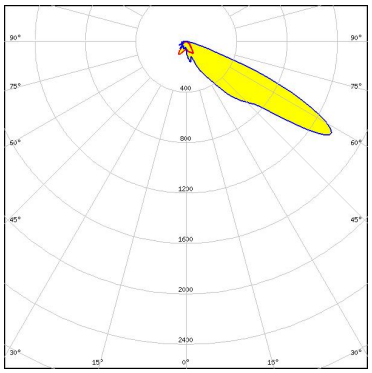
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

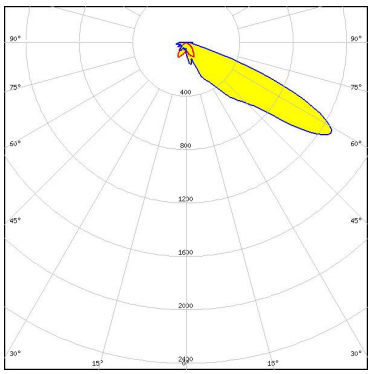
Protective plate, glass



SEOUL SEMICONDUCTOR

LED	Z5M5
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

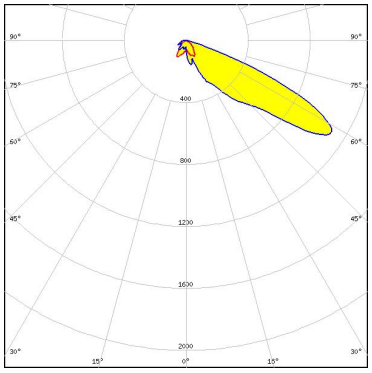


SEOUL SEMICONDUCTOR

LED	Z5M5
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

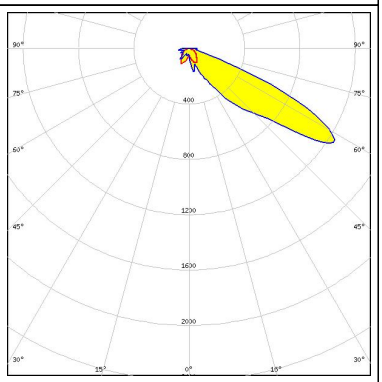
Protective plate, glass



SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	Asymmetric
Efficiency	90 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



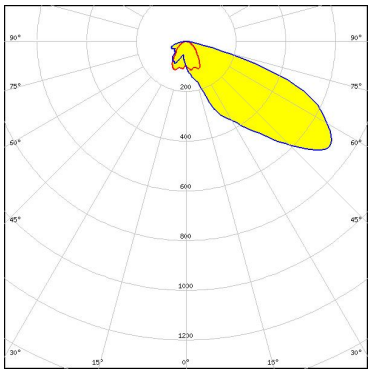
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z8Y50P
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



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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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
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