SPORT-2X2-S1

~10° spot beam.

SPECIFICATION:

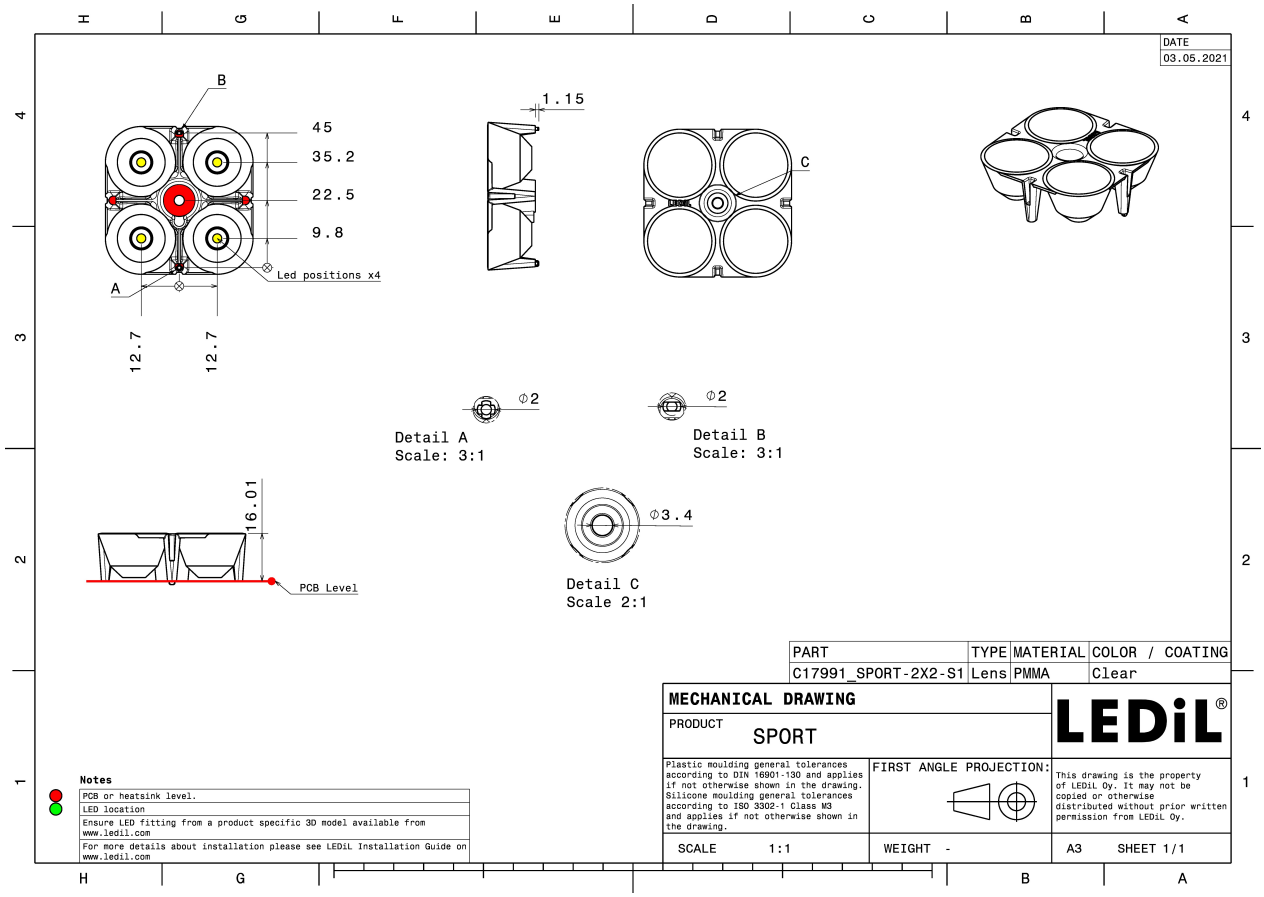
Dimensions	50.0 x 50.0 mm
Height	16 mm
Fastening	screw
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
SPORT-2X2-S1	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17991_SPORT-2X2-S1 » Box size: 480 x 280 x 300 mm	512	128	32	10.8



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

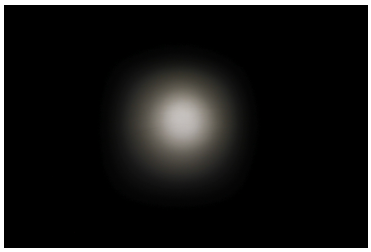
OPTICAL RESULTS (MEASURED):

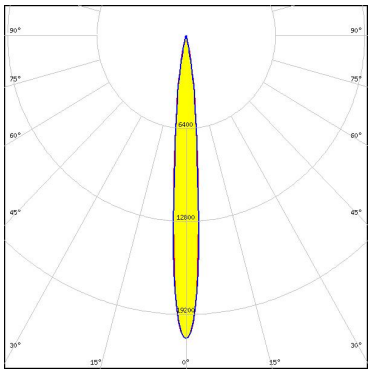
LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	10.0° / 21.0°
Efficiency	94 %
Peak intensity	20.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

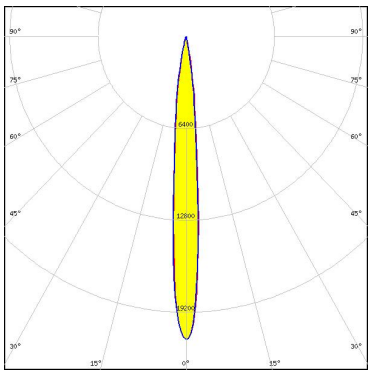




LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	10.0° / 21.0°
Efficiency	97 %
Peak intensity	21.1 cd/lm
LEDs/each optic	1
Light colour	White

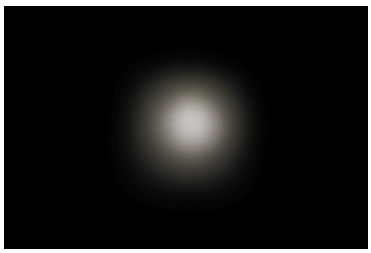
Required components:

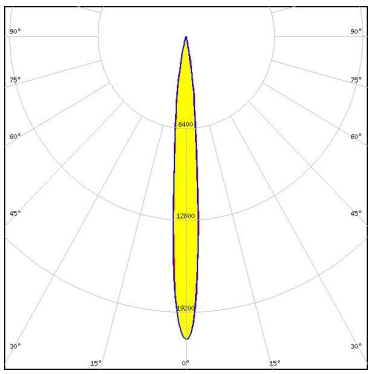


LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	10.0° / 21.0°
Efficiency	97 %
Peak intensity	21.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

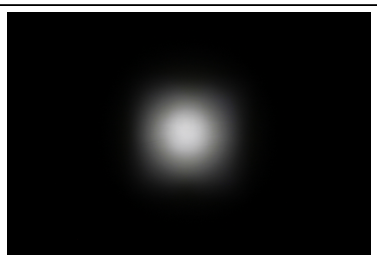


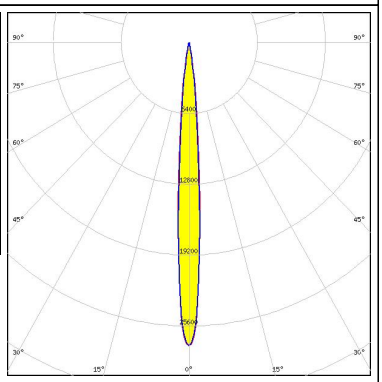


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	9.0° / 18.0°
Efficiency	97 %
Peak intensity	27.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



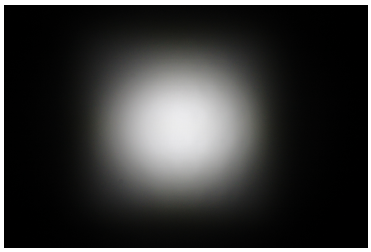


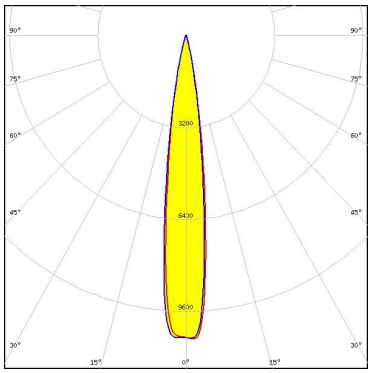
OPTICAL RESULTS (MEASURED):

TEPCOMP group

LED	PassivePAQ-R-274x51-NI0-21K-857-5
FWHM / FWTM	15.0° / 27.0°
Efficiency	96 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





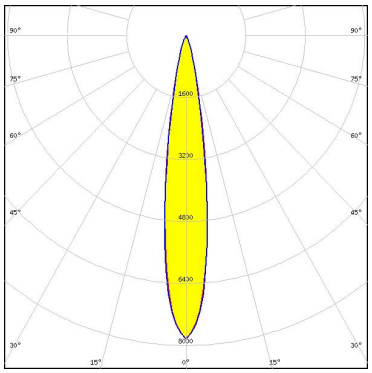
OPTICAL RESULTS (SIMULATED):

CREE LED

LED	J Series 5050 Round LES
FWHM / FWTM	16.0° / 32.0°
Efficiency	87 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

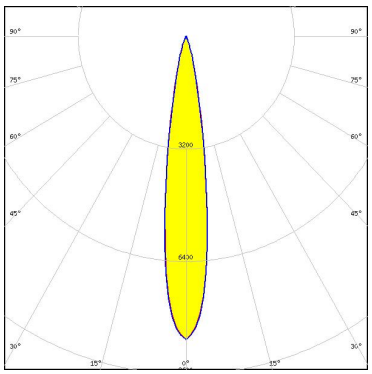
Protective plate, glass



CREE LED

LED	J Series 5050 Round LES
FWHM / FWTM	16.0° / 32.0°
Efficiency	95 %
Peak intensity	8.6 cd/lm
LEDs/each optic	1
Light colour	White

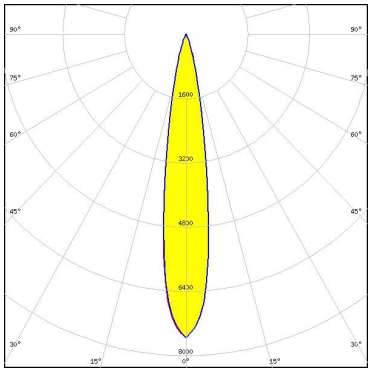
Required components:



CREE LED

LED	J Series 5050B 6V K Class
FWHM / FWTM	16.0° / 34.0°
Efficiency	95 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

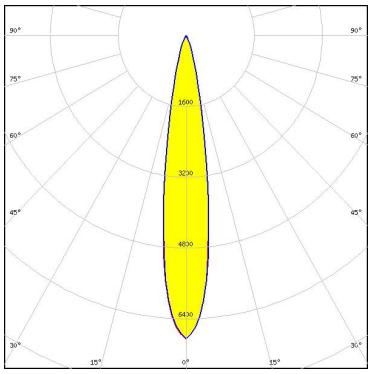


CREE LED

LED	J Series 5050B 6V K Class
FWHM / FWTM	18.0° / 34.0°
Efficiency	87 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



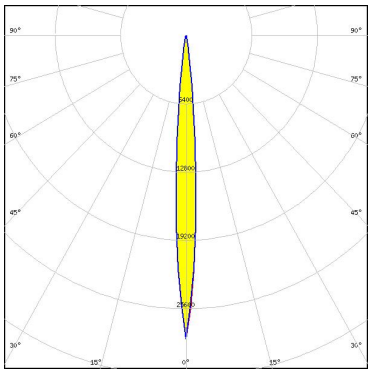
OPTICAL RESULTS (SIMULATED):

CREE LED

LED	XD16
FWHM / FWTM	8.0° / 16.0°
Efficiency	87 %
Peak intensity	28.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

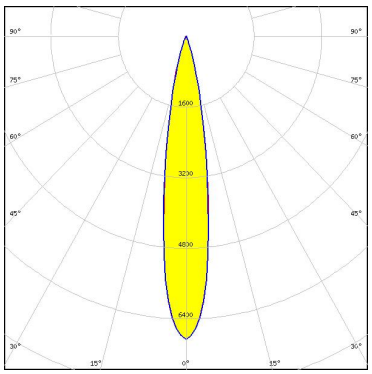


CREE LED

LED	XHP35.2 HD
FWHM / FWTM	18.0° / 34.0°
Efficiency	86 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

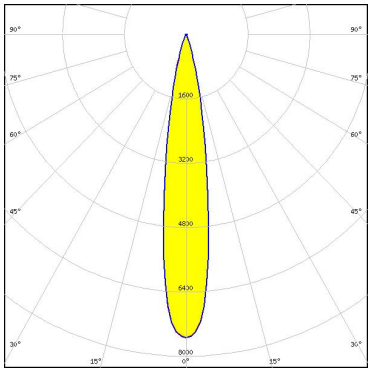
Protective plate, glass



CREE LED

LED	XHP35.2 HD
FWHM / FWTM	16.0° / 34.0°
Efficiency	95 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White

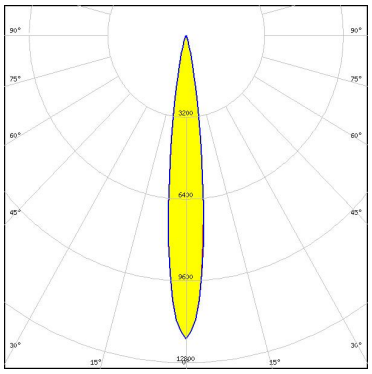
Required components:



CREE LED

LED	XHP35.2 HI
FWHM / FWTM	14.0° / 26.0°
Efficiency	95 %
Peak intensity	11.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



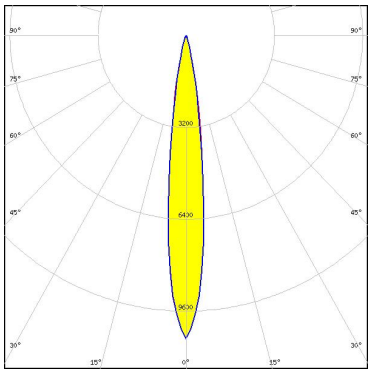
OPTICAL RESULTS (SIMULATED):

CREE LED

LED	XHP35.2 HI
FWHM / FWTM	14.0° / 28.0°
Efficiency	87 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

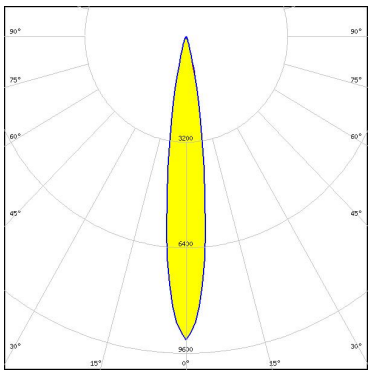


CREE LED

LED	XHP50.3 HI
FWHM / FWTM	14.0° / 28.0°
Efficiency	87 %
Peak intensity	9.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

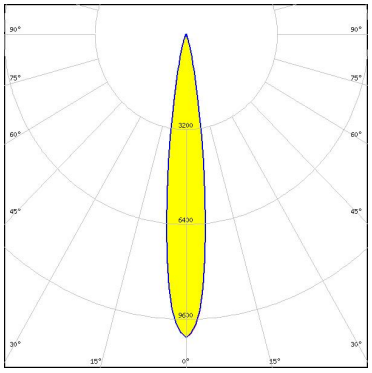
Protective plate, glass



CREE LED

LED	XHP50.3 HI
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	10.2 cd/lm
LEDs/each optic	1
Light colour	White

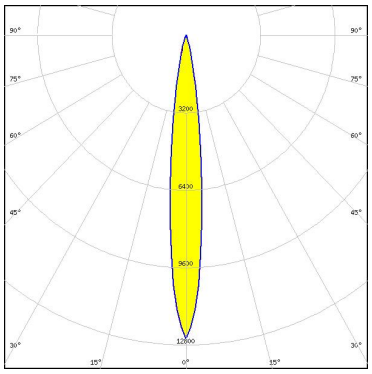
Required components:



CREE LED

LED	XM-L3
FWHM / FWTM	12.0° / 26.0°
Efficiency	95 %
Peak intensity	12.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



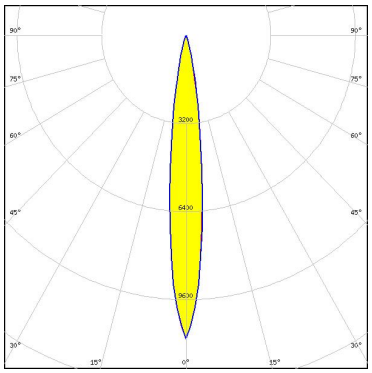
OPTICAL RESULTS (SIMULATED):

CREE LED

LED	XM-L3
FWHM / FWTM	12.0° / 28.0°
Efficiency	87 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

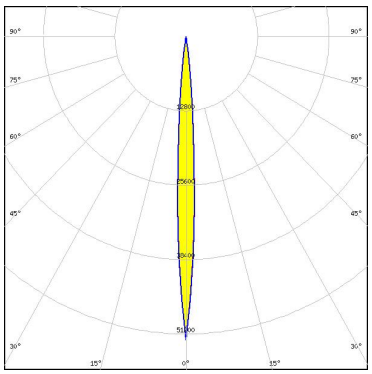
Protective plate, glass



CREE LED

LED	XP-E
FWHM / FWTM	6.0° / 14.0°
Efficiency	95 %
Peak intensity	52.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

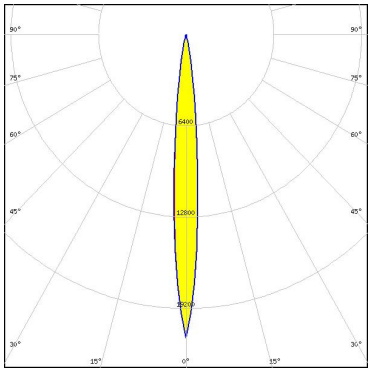


CREE LED

LED	XP-G2
FWHM / FWTM	10.0° / 20.0°
Efficiency	90 %
Peak intensity	21.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

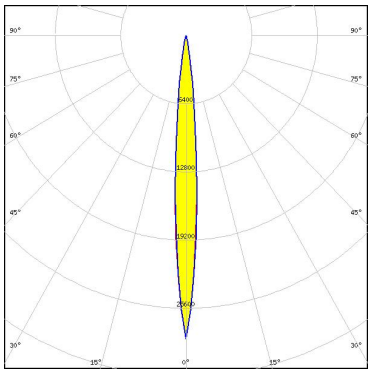
Protective plate, glass



CREE LED

LED	XP-G2 HE
FWHM / FWTM	8.0° / 18.0°
Efficiency	95 %
Peak intensity	28.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



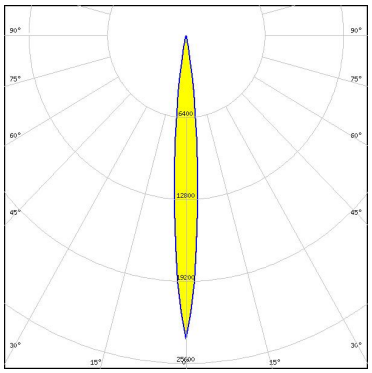
OPTICAL RESULTS (SIMULATED):

CREE LED

LED	XP-G2 HE
FWHM / FWTM	10.0° / 20.0°
Efficiency	91 %
Peak intensity	23.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

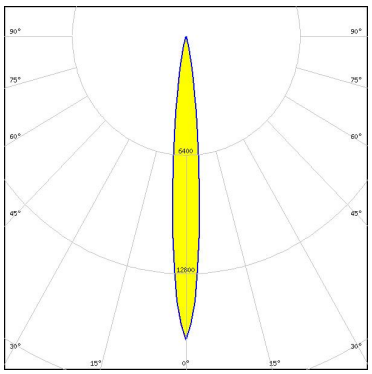


CREE LED

LED	XP-G3
FWHM / FWTM	10.0° / 22.0°
Efficiency	86 %
Peak intensity	16.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

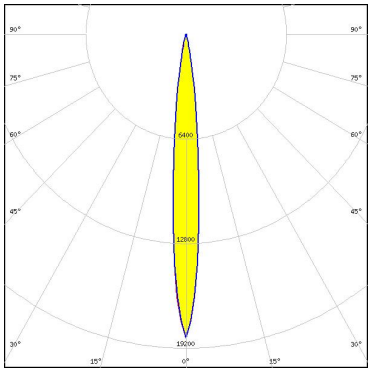
Protective plate, glass



CREE LED

LED	XP-G3
FWHM / FWTM	10.0° / 22.0°
Efficiency	95 %
Peak intensity	18.6 cd/lm
LEDs/each optic	1
Light colour	White

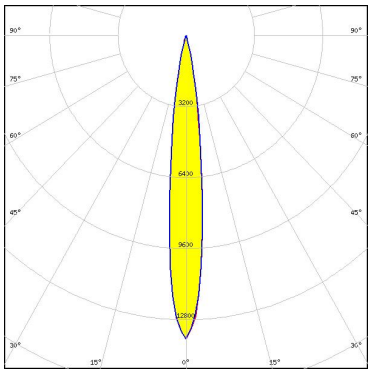
Required components:



CREE LED

LED	XP-L HD
FWHM / FWTM	12.0° / 26.0°
Efficiency	95 %
Peak intensity	13.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



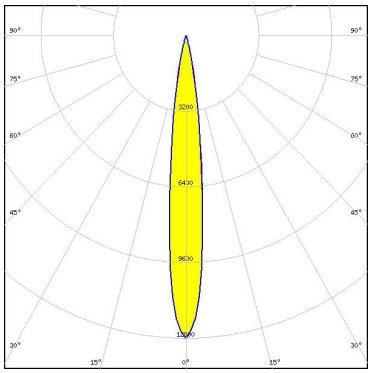
OPTICAL RESULTS (SIMULATED):

CREE LED

LED	XP-L HD
FWHM / FWTM	12.0° / 26.0°
Efficiency	90 %
Peak intensity	12.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

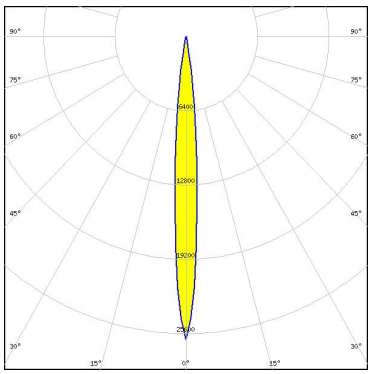
Protective plate, glass



CREE LED

LED	XP-L HI
FWHM / FWTM	8.0° / 18.0°
Efficiency	96 %
Peak intensity	26.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

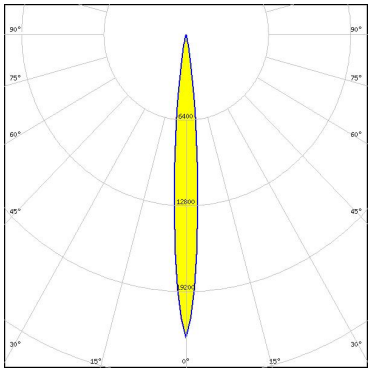


CREE LED

LED	XP-L HI
FWHM / FWTM	10.0° / 20.0°
Efficiency	87 %
Peak intensity	22.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

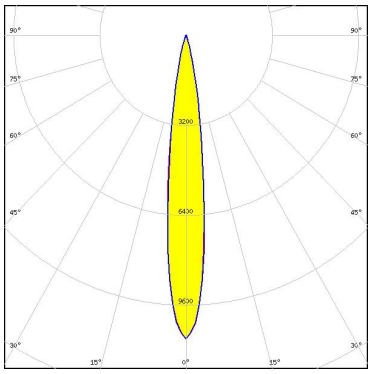
Protective plate, glass



CREE LED

LED	XP-L2
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

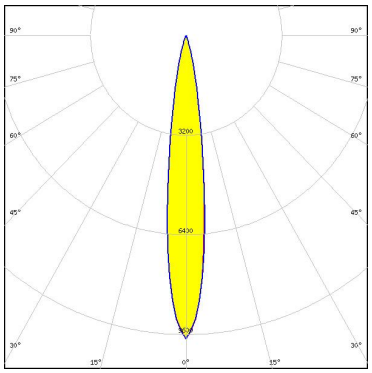


OPTICAL RESULTS (SIMULATED):

CREE LED

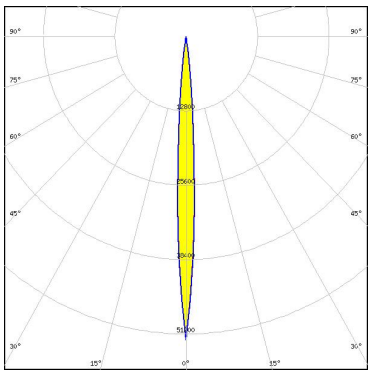
LED	XP-L2
FWHM / FWTM	14.0° / 28.0°
Efficiency	86 %
Peak intensity	9.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



CREE LED

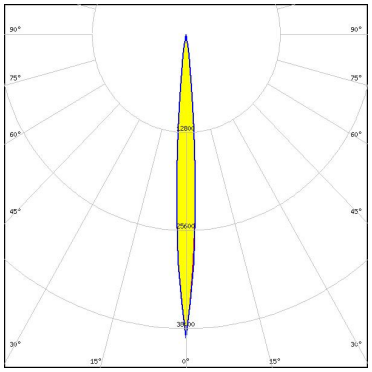
LED	XP-P
FWHM / FWTM	6.0° / 14.0°
Efficiency	95 %
Peak intensity	52.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

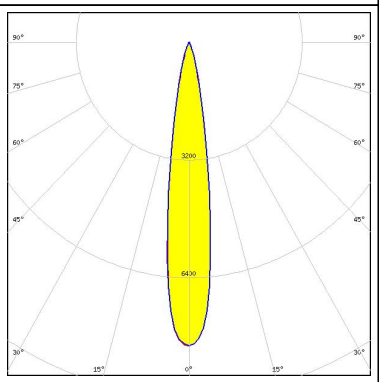
LED	XP-P
FWHM / FWTM	8.0° / 14.0°
Efficiency	86 %
Peak intensity	39.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



LUMILEDS

LED	LUXEON 5050 HE
FWHM / FWTM	16.0° / 32.0°
Efficiency	95 %
Peak intensity	8.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

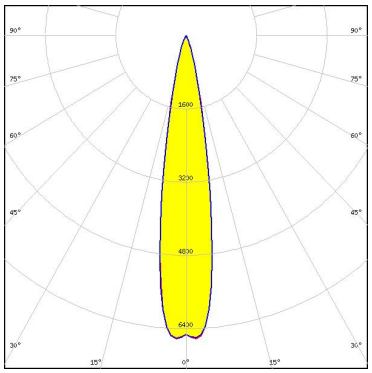


OPTICAL RESULTS (SIMULATED):

LUMILEDS

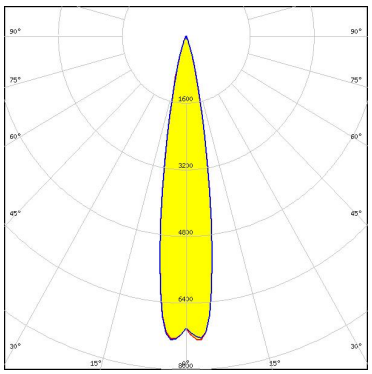
LED	LUXEON 5050 Round LES
FWHM / FWTM	18.0° / 34.0°
Efficiency	87 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



LUMILEDS

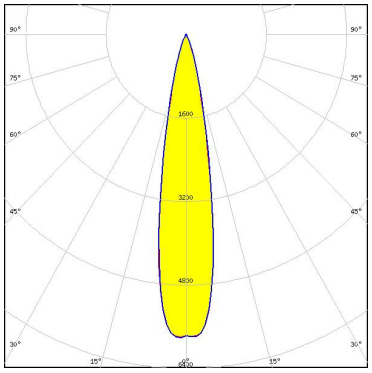
LED	LUXEON 5050 Round LES
FWHM / FWTM	18.0° / 34.0°
Efficiency	95 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

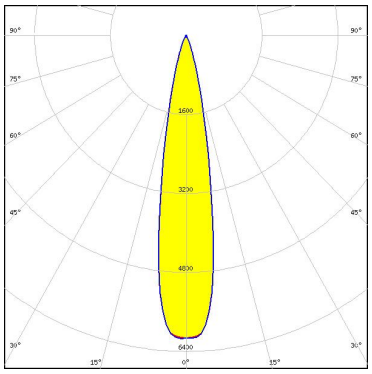
LED	LUXEON 5050 Square LES
FWHM / FWTM	20.0° / 36.0°
Efficiency	90 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



LUMILEDS

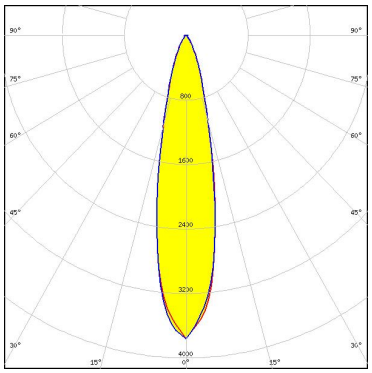
LED	LUXEON 5050 Square LES
FWHM / FWTM	20.0° / 36.0°
Efficiency	95 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

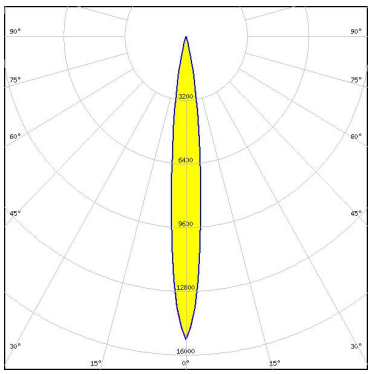
LUMILEDS

LED	LUXEON 7070
FWHM / FWTM	22.0° / 48.0°
Efficiency	93 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

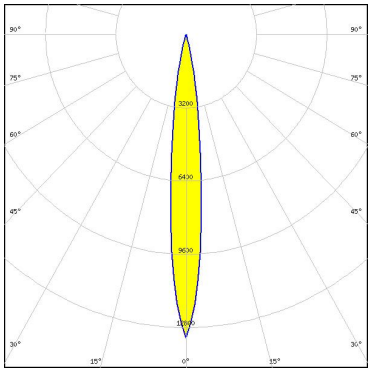
LED	LUXEON HL2X-D
FWHM / FWTM	12.0° / 26.0°
Efficiency	96 %
Peak intensity	15.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

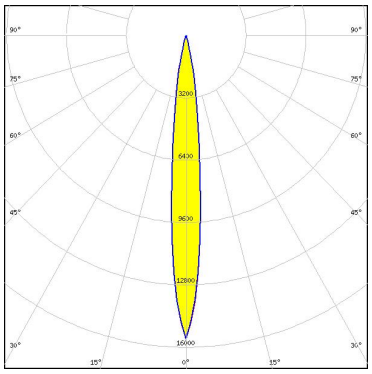
LED	LUXEON HL2X-D
FWHM / FWTM	12.0° / 26.0°
Efficiency	88 %
Peak intensity	13.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



LUMILEDS

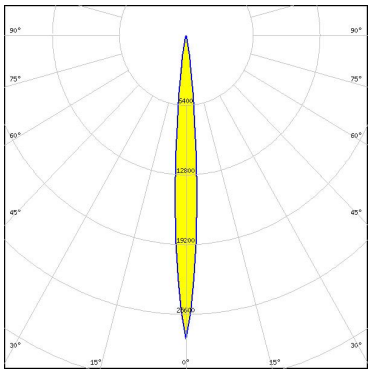
LED	LUXEON HL2X-P
FWHM / FWTM	12.0° / 26.0°
Efficiency	95 %
Peak intensity	15.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

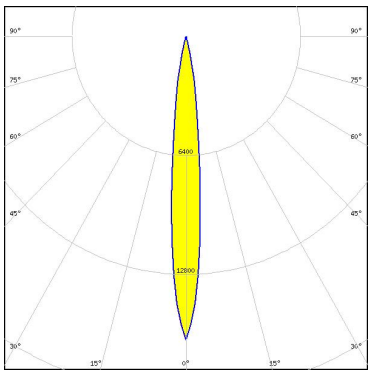
LUMILEDS

LED	LUXEON HL2Z
FWHM / FWTM	8.0° / 18.0°
Efficiency	95 %
Peak intensity	27.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

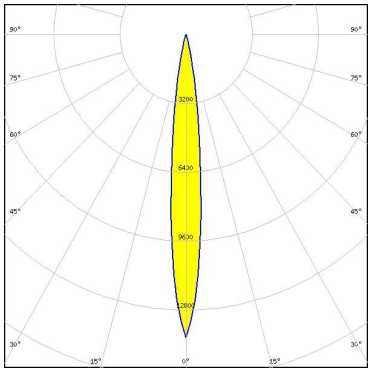
LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	12.0° / 24.0°
Efficiency	96 %
Peak intensity	16.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

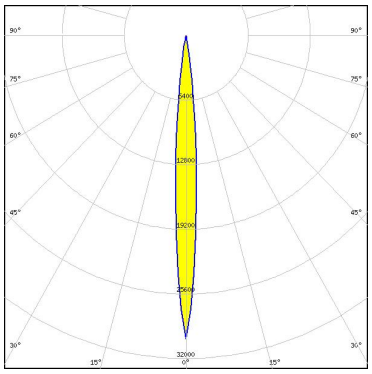
LED	LUXEON XR-HL2X (L2H2-xxxxxxxMLU010)
FWHM / FWTM	12.0° / 24.0°
Efficiency	88 %
Peak intensity	14.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



LUMINUS

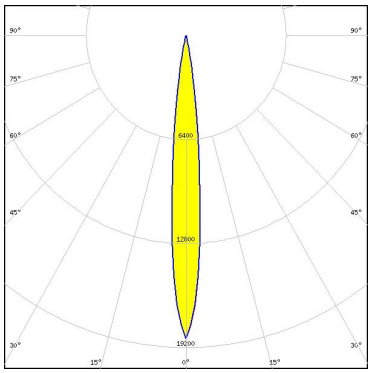
LED	SFT-40-WCS
FWHM / FWTM	8.0° / 18.0°
Efficiency	95 %
Peak intensity	30.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

LUMINUS

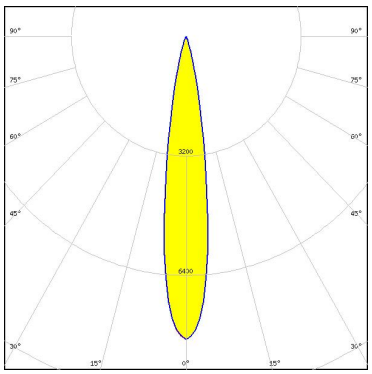
LED	SFT-70X-WCS
FWHM / FWTM	10.0° / 22.0°
Efficiency	96 %
Peak intensity	18.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMINUS

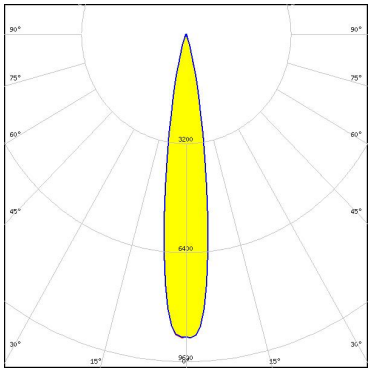
LED	SST-70X-WCS
FWHM / FWTM	16.0° / 30.0°
Efficiency	87 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



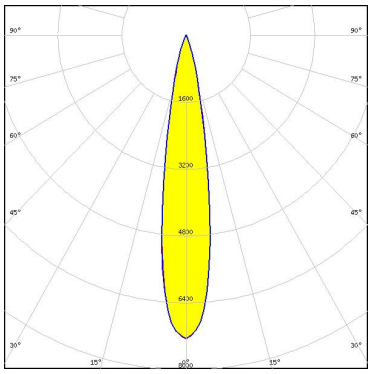
LUMINUS

LED	SST-70X-WCS
FWHM / FWTM	16.0° / 30.0°
Efficiency	96 %
Peak intensity	8.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NFMW48xA
FWHM / FWTM	18.0° / 34.0°
Efficiency	95 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



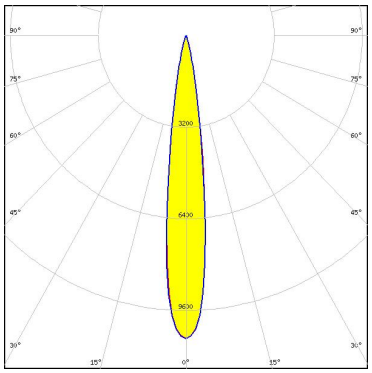
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NV4WB35AM
FWHM / FWTM	14.0° / 26.0°
Efficiency	87 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

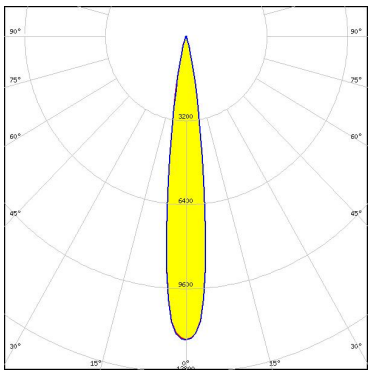
Protective plate, glass



NICHIA

LED	NV4WB35AM
FWHM / FWTM	14.0° / 26.0°
Efficiency	96 %
Peak intensity	11.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

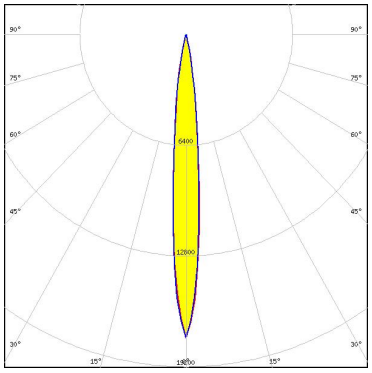


NICHIA

LED	NVSW219F
FWHM / FWTM	10.0° / 22.0°
Efficiency	90 %
Peak intensity	17.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

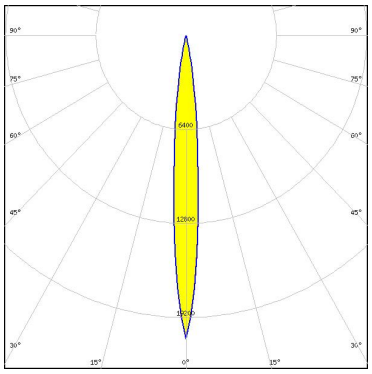
Protective plate, glass



NICHIA

LED	NVSW219F
FWHM / FWTM	10.0° / 22.0°
Efficiency	95 %
Peak intensity	20.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

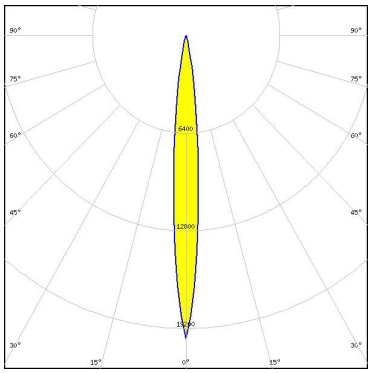


OPTICAL RESULTS (SIMULATED):

NICHIA

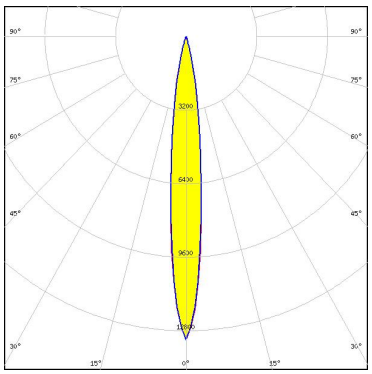
LED	NVSW219F
FWHM / FWTM	10.0° / 22.0°
Efficiency	95 %
Peak intensity	19.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



NICHIA

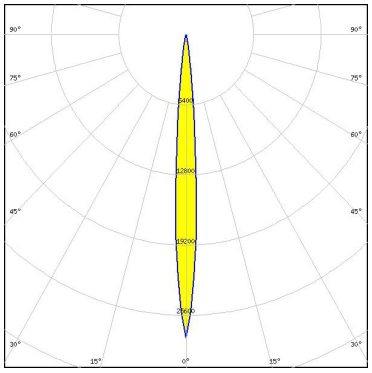
LED	NVSW519A
FWHM / FWTM	12.0° / 27.0°
Efficiency	94 %
Peak intensity	13.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

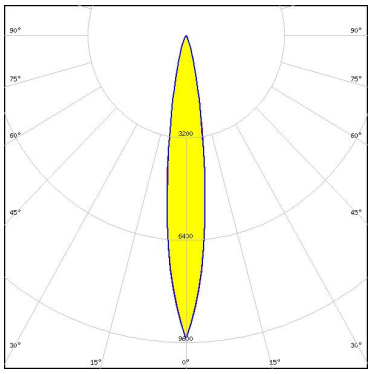
LED	NVSxE21A
FWHM / FWTM	8.0° / 18.0°
Efficiency	88 %
Peak intensity	27.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



OSRAM
Opto Semiconductors

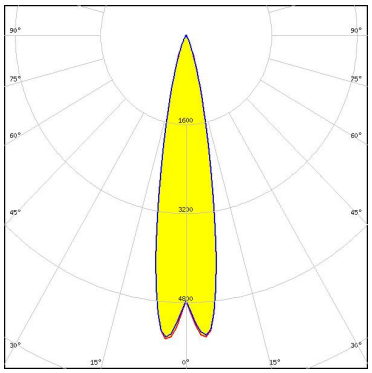
LED	DURIS E 5050 (GW J9LHS1.4M)
FWHM / FWTM	14.0° / 32.0°
Efficiency	95 %
Peak intensity	9.5 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

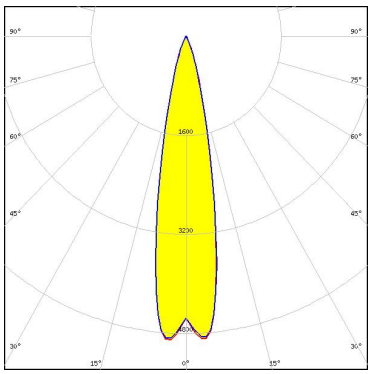
LED	Duris S8
FWHM / FWTM	20.0° / 38.0°
Efficiency	95 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	22.0° / 40.0°
Efficiency	87 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

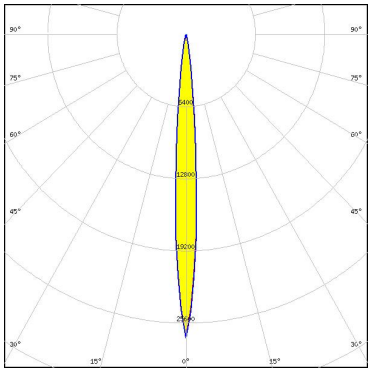
Protective plate, glass



OSRAM
Opto Semiconductors

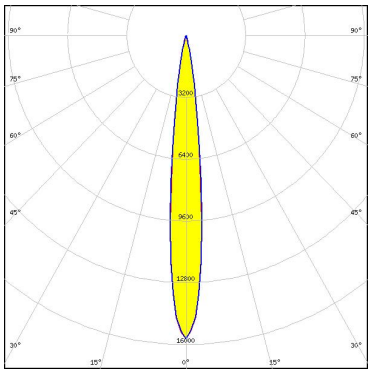
LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	8.0° / 18.0°
Efficiency	90 %
Peak intensity	26.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	12.0° / 24.0°
Efficiency	96 %
Peak intensity	15.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



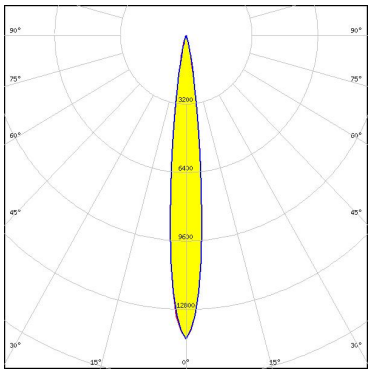
OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	12.0° / 24.0°
Efficiency	87 %
Peak intensity	14.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

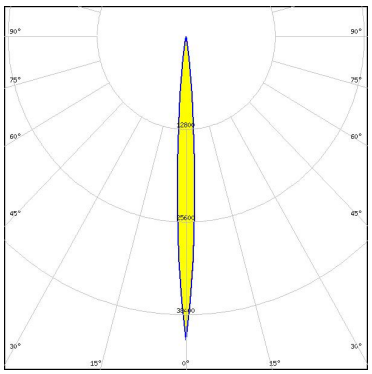
Protective plate, glass



OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	6.0° / 14.0°
Efficiency	92 %
Peak intensity	41.9 cd/lm
LEDs/each optic	1
Light colour	Far Red

Required components:

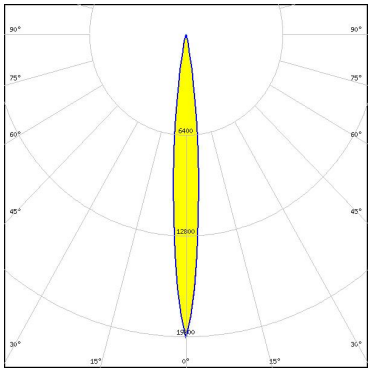


OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	10.0° / 20.0°
Efficiency	86 %
Peak intensity	19.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

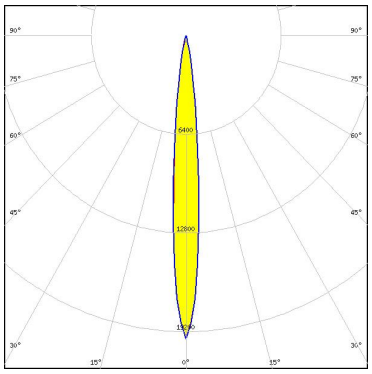


SAMSUNG

LED	LH351B
FWHM / FWTM	10.0° / 22.0°
Efficiency	87 %
Peak intensity	19.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

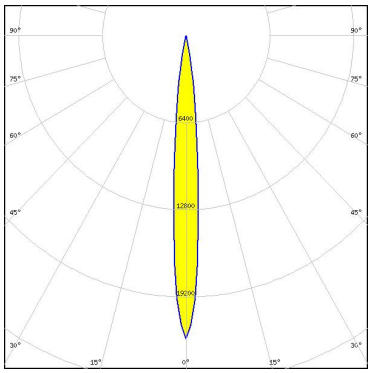
Protective plate, glass



OPTICAL RESULTS (SIMULATED):

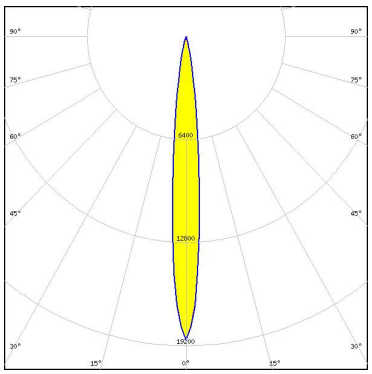
SAMSUNG

LED	LH351B
FWHM / FWTM	10.0° / 20.0°
Efficiency	96 %
Peak intensity	22.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

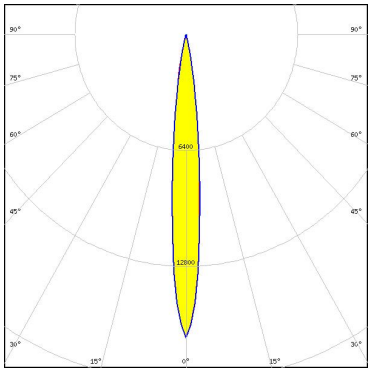
LED	LH351C
FWHM / FWTM	10.0° / 22.0°
Efficiency	96 %
Peak intensity	18.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

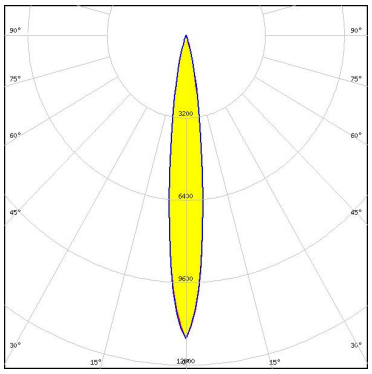
LED	LH351C
FWHM / FWTM	10.0° / 22.0°
Efficiency	88 %
Peak intensity	16.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



SAMSUNG

LED	LH351D
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	11.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



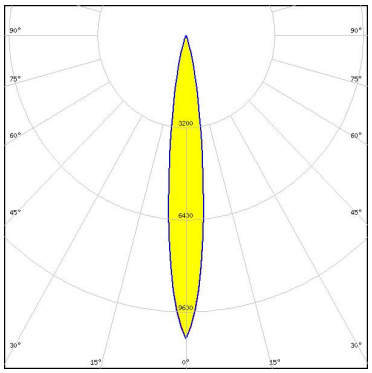
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351D
FWHM / FWTM	14.0° / 28.0°
Efficiency	90 %
Peak intensity	10.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

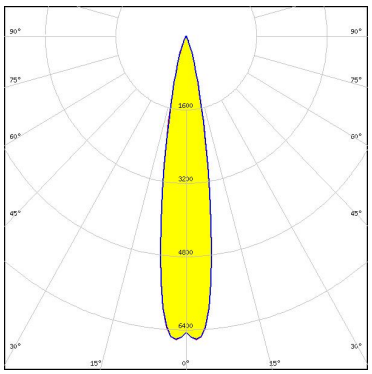
Protective plate, glass



SAMSUNG

LED	LH502C
FWHM / FWTM	18.0° / 36.0°
Efficiency	95 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

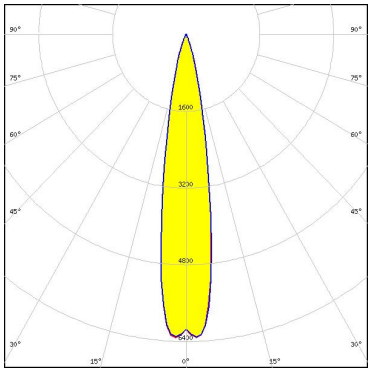


SAMSUNG

LED	LH502C
FWHM / FWTM	18.0° / 35.0°
Efficiency	90 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass

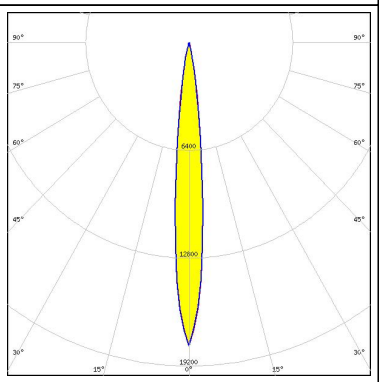


SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	10.0° / 22.0°
Efficiency	90 %
Peak intensity	18 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Protective plate, glass



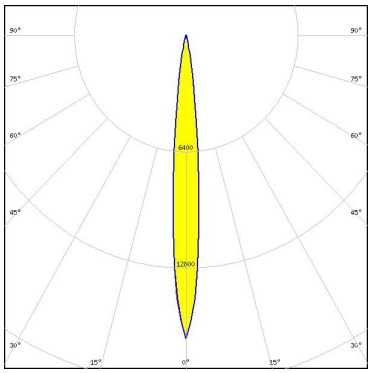
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	10.0° / 22.0°
Efficiency	86 %
Peak intensity	16.7 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:

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.

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