SEANNA-A

~2.3° spot beam. Assembly with holder.

SPECIFICATION:

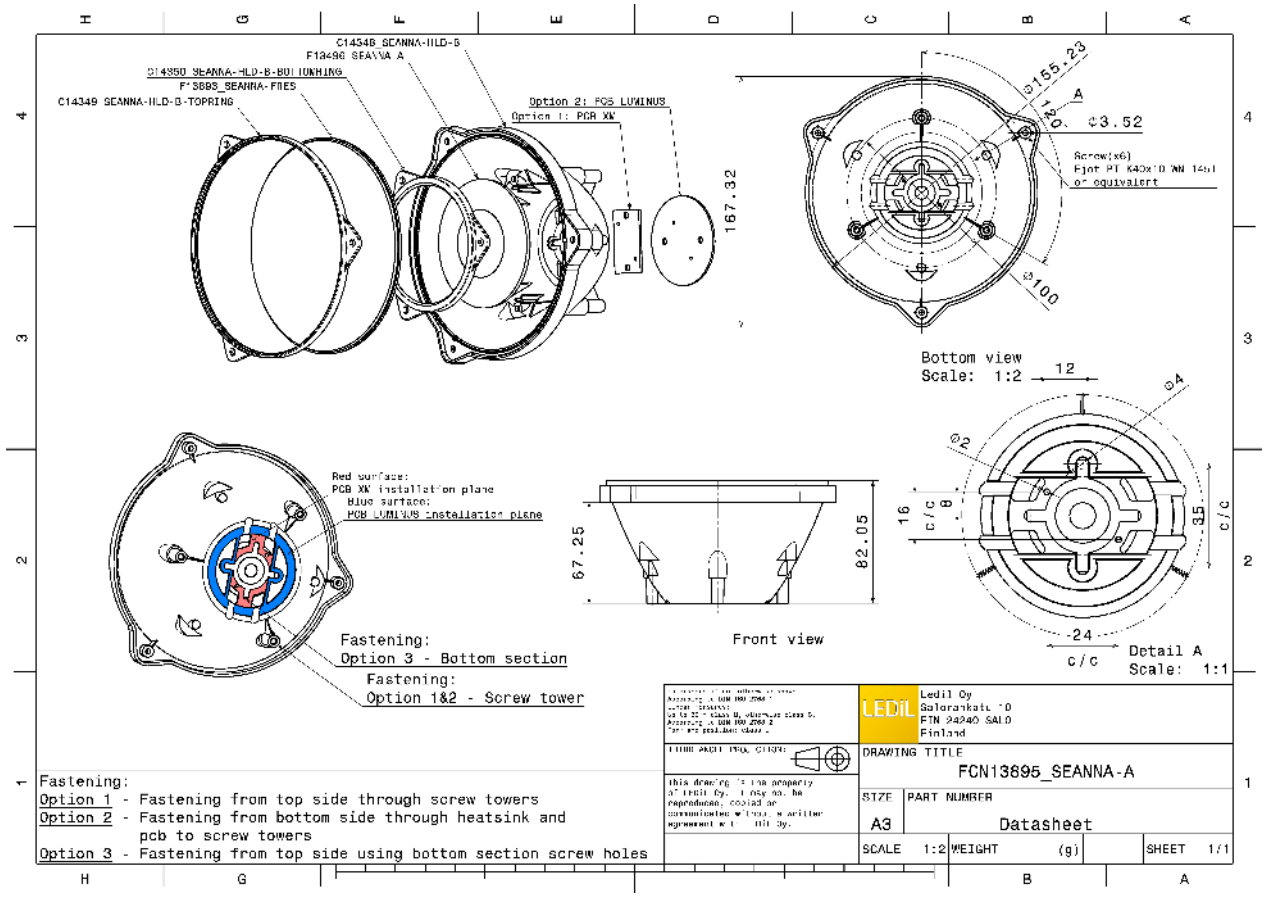
Dimensions	Ø 155.2 mm
Height	82 mm
Fastening	pin, screw
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
SEANNA-FRES	Single lens	PMMA	clear	
SEANNA-A	Single lens	PMMA	clear	
SEANNA-HLD-B-BOTTOMRING	Holder	PA66GF30	black	
SEANNA-HLD-B-TOPRING	Holder	PA66GF30	black	
SEANNA-HLD-B	Holder	PA66GF30	black	
SEANNA-SCREW	Accessory	Stainless steel	clear	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP13895_SEANNA-A » Box size:	Single lens		20	2	6.5

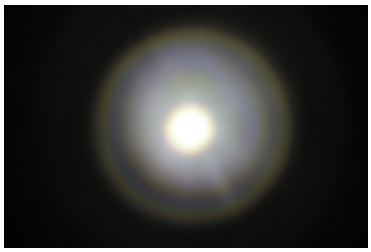


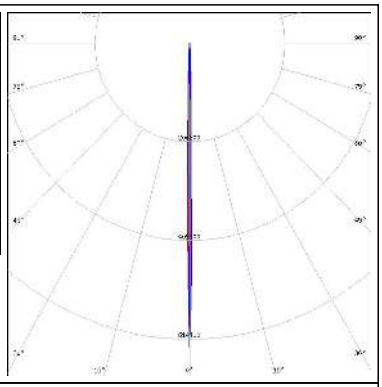
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LED

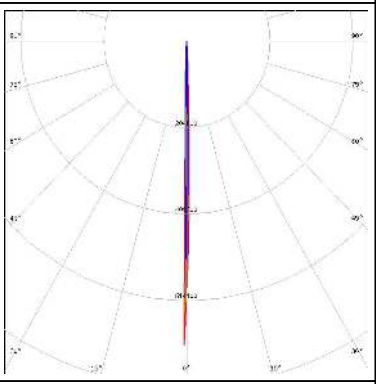
LED	XD16
FWHM / FWTM	1.0° / 3.0°
Efficiency	91 %
Peak intensity	629 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





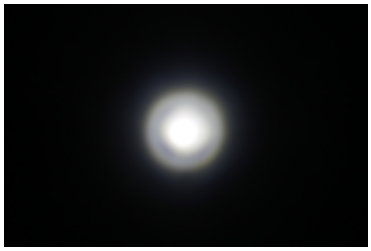
CREE LED

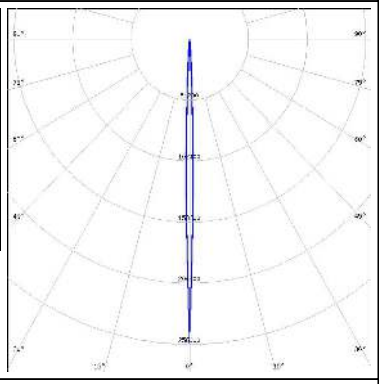
LED	XP-E2
FWHM / FWTM	1.0° / 3.0°
Efficiency	%
Peak intensity	718 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

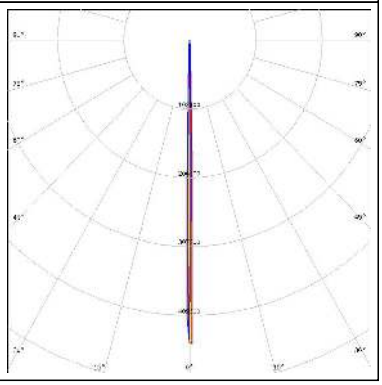
LED	XP-L HD
FWHM / FWTM	2.4° / 5.3°
Efficiency	94 %
Peak intensity	255 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





CREE LED

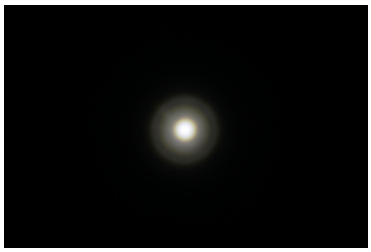
LED	XP-L HI
FWHM / FWTM	1.6° / 3.2°
Efficiency	94 %
Peak intensity	492 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

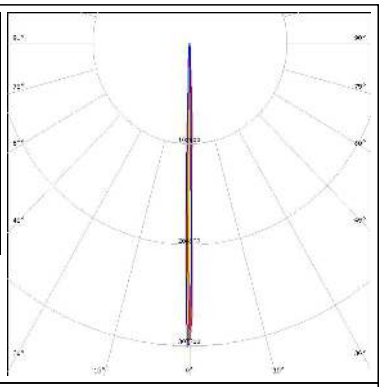


OPTICAL RESULTS (MEASURED):

NICHIA

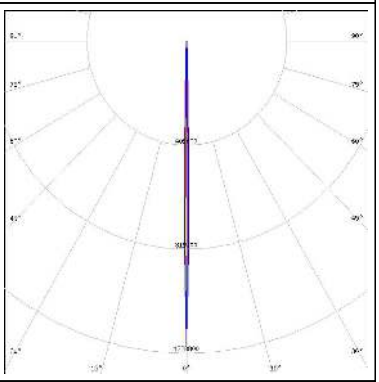
LED	NVSW3x9A
FWHM / FWTM	1.9° / 4.1°
Efficiency	92 %
Peak intensity	310 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





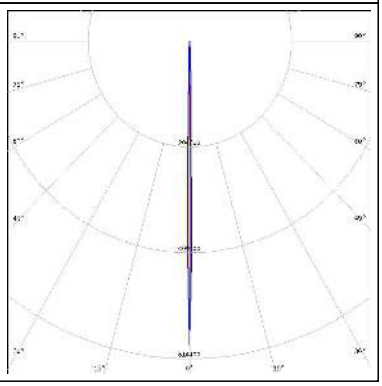
OSRAM
Opto Semiconductors

LED	OSLON Black Flat
FWHM / FWTM	1.2° / 2.3°
Efficiency	94 %
Peak intensity	1196 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

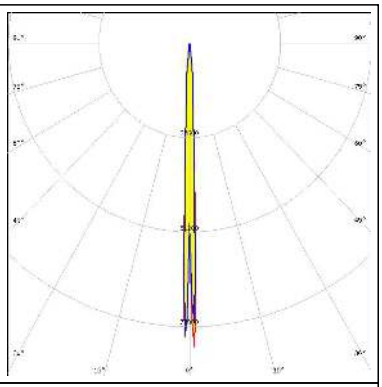
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	1.5° / 3.3°
Efficiency	94 %
Peak intensity	587 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

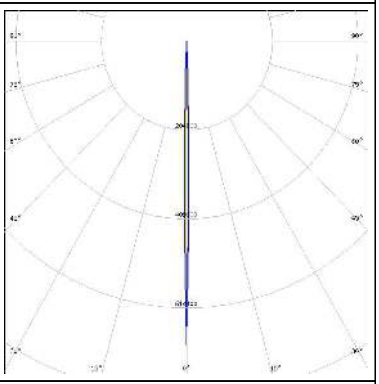
CREE LED

LED	MK-R
FWHM / FWTM	4.0° / 10.4°
Efficiency	91 %
Peak intensity	82 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XB-D
FWHM / FWTM	1.3° / 3.2°
Efficiency	87 %
Peak intensity	698 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

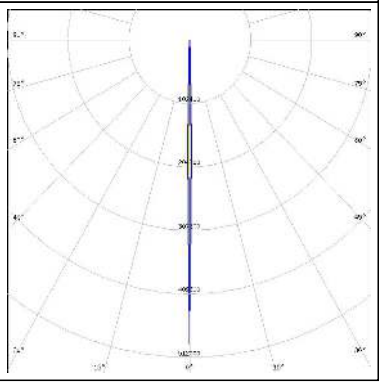


CREE LED

LED	XHP35 HD
FWHM / FWTM	2.4° / 4.2°
Efficiency	89 %
Peak intensity	257 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

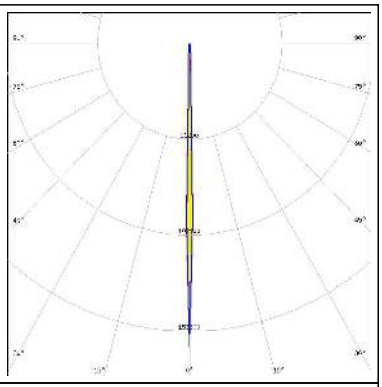
LED	XHP35 HI
FWHM / FWTM	1.6° / 3.6°
Efficiency	83 %
Peak intensity	496 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

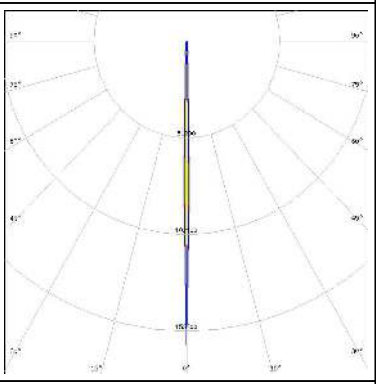
CREE LED

LED	XHP35.2 HD
FWHM / FWTM	2.0° / 6.0°
Efficiency	89 %
Peak intensity	161.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



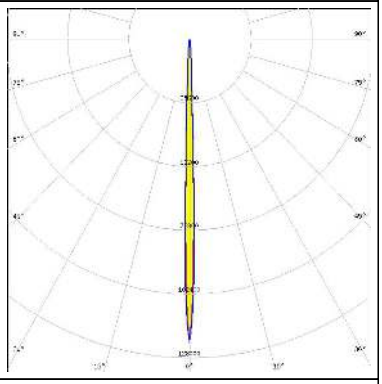
CREE LED

LED	XHP35.2 HI
FWHM / FWTM	2.0° / 4.0°
Efficiency	89 %
Peak intensity	161 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



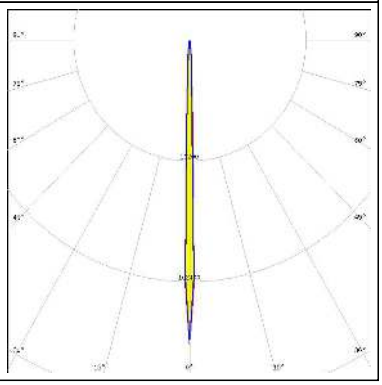
CREE LED

LED	XHP50
FWHM / FWTM	3.3° / 6.7°
Efficiency	87 %
Peak intensity	122 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

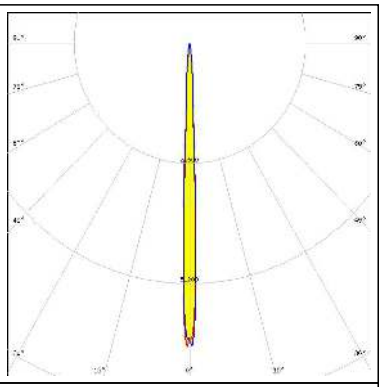
LED	XHP50.2
FWHM / FWTM	2.7° / 6.8°
Efficiency	84 %
Peak intensity	128.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

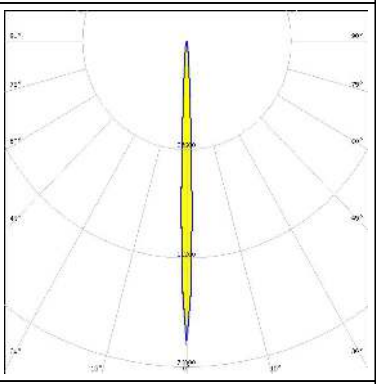
CREE LED

LED	XHP70
FWHM / FWTM	4.3° / 10.4°
Efficiency	81 %
Peak intensity	69.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



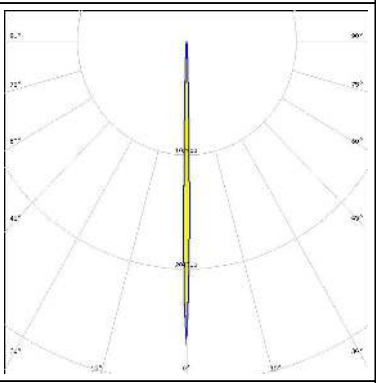
CREE LED

LED	XHP70.2
FWHM / FWTM	4.5° / 10.1°
Efficiency	83 %
Peak intensity	71.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



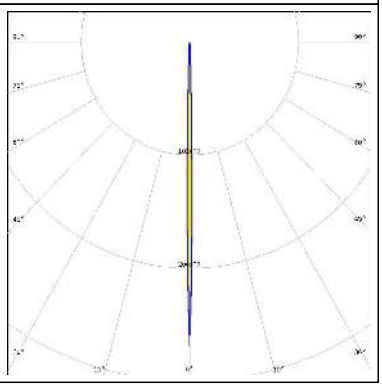
CREE LED

LED	XM-L
FWHM / FWTM	2.4°
Efficiency	%
Peak intensity	272 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

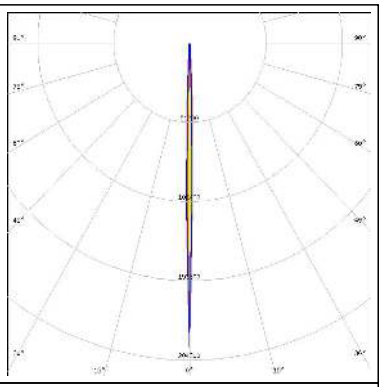
LED	XM-L2
FWHM / FWTM	2.0° / 3.9°
Efficiency	85 %
Peak intensity	275 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

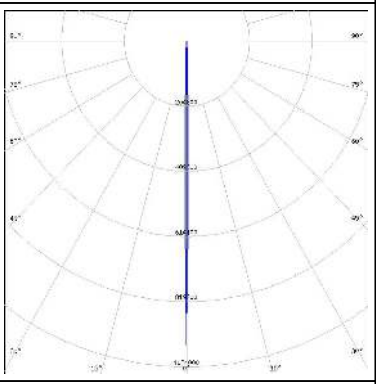
CREE LED

LED	XM-L3
FWHM / FWTM	2.0° / 6.0°
Efficiency	90 %
Peak intensity	196.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



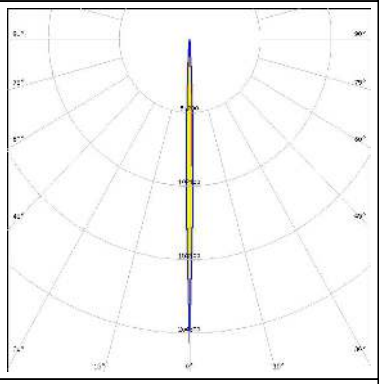
CREE LED

LED	XP-E
FWHM / FWTM	1.2° / 2.9°
Efficiency	92 %
Peak intensity	955 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



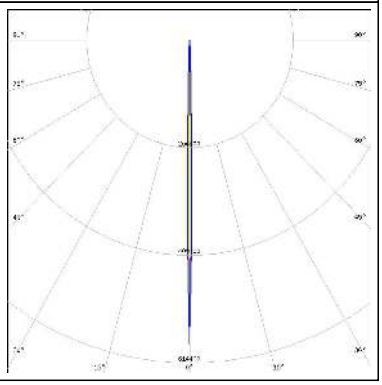
CREE LED

LED	XP-E2
FWHM / FWTM	2.0° / 6.0°
Efficiency	85 %
Peak intensity	211.5 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	



CREE LED

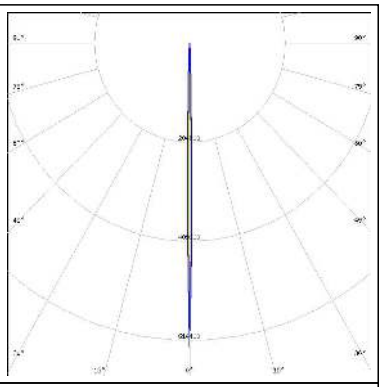
LED	XP-G
FWHM / FWTM	1.4° / 3.4°
Efficiency	90 %
Peak intensity	578 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

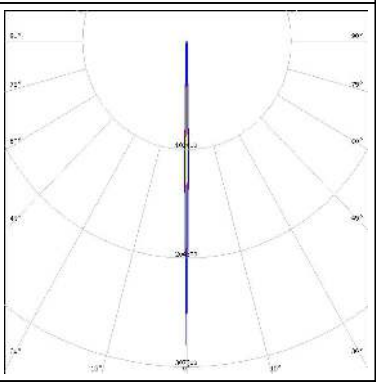
CREE LED

LED	XP-G2
FWHM / FWTM	1.4° / 3.2°
Efficiency	91 %
Peak intensity	628 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



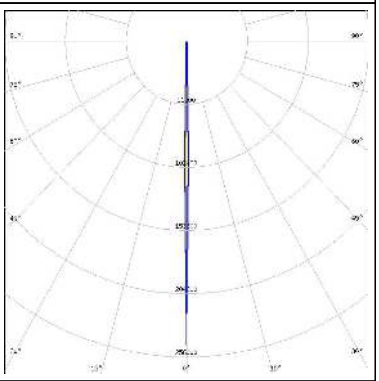
CREE LED

LED	XP-G2 HE
FWHM / FWTM	2.0° / 4.0°
Efficiency	89 %
Peak intensity	286.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



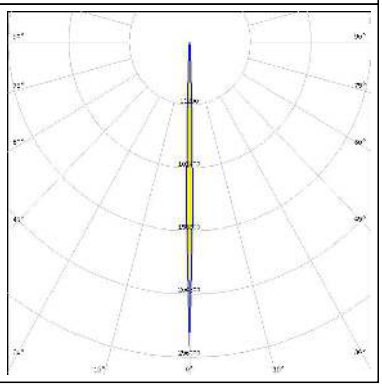
CREE LED

LED	XP-G3
FWHM / FWTM	2.0° / 4.0°
Efficiency	88 %
Peak intensity	246.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

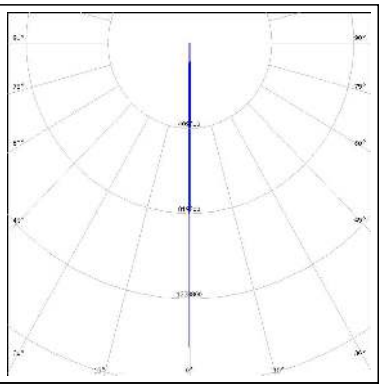
LED	XP-P
FWHM / FWTM	2.0° / 6.0°
Efficiency	84 %
Peak intensity	246.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

CREE LED

LED	XQ-E HD
FWHM / FWTM	1.1° / 2.5°
Efficiency	92 %
Peak intensity	1460 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

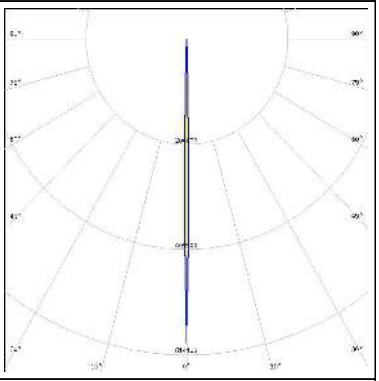


CREE LED

LED	XQ-E HI
FWHM / FWTM	1.2° / 2.0°
Efficiency	90 %
Peak intensity	1300 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

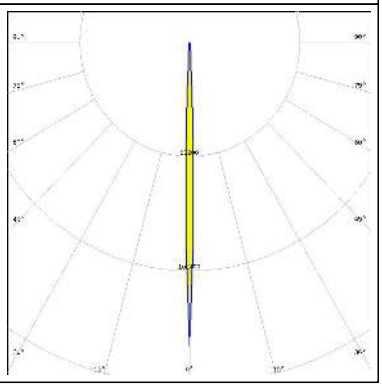
CREE LED

LED	XT-E
FWHM / FWTM	1.4° / 3.5°
Efficiency	88 %
Peak intensity	519 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LED ENGIN

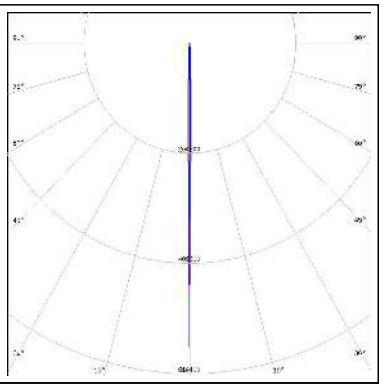
LED	LZ4 (00xW00)
FWHM / FWTM	3.3° / 8.2°
Efficiency	91 %
Peak intensity	136 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

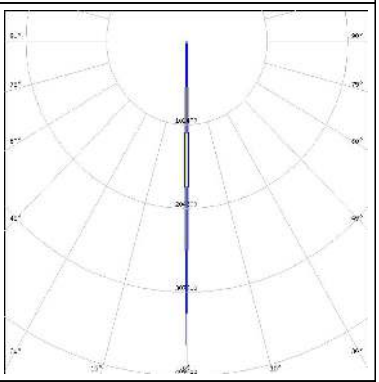
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	1.2° / 3.3°
Efficiency	94 %
Peak intensity	564 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



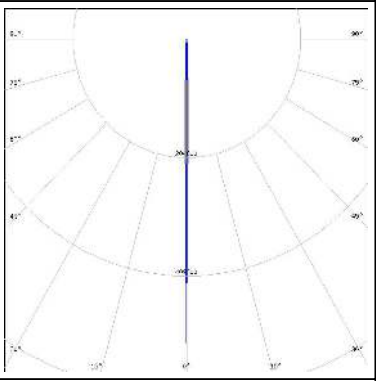
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	1.6° / 3.8°
Efficiency	93 %
Peak intensity	371 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	



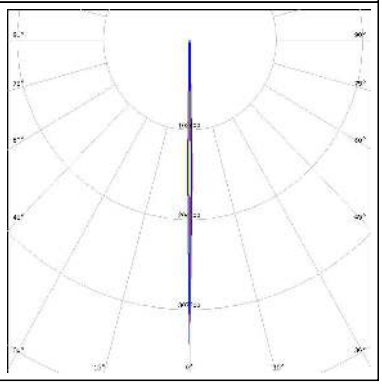
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	1.3° / 3.4°
Efficiency	94 %
Peak intensity	564 cd/lm
LEDs/each optic	1
Light colour	PC Amber
Required components:	



LUMILEDS

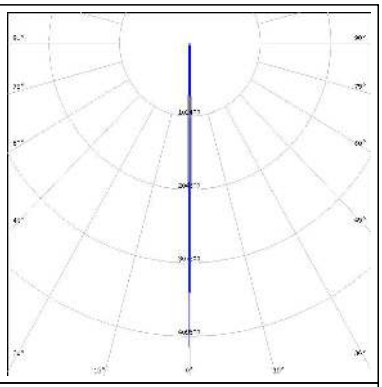
LED	LUXEON CZ
FWHM / FWTM	1.7° / 3.9°
Efficiency	93 %
Peak intensity	346 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

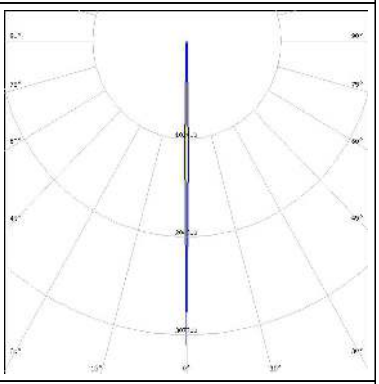
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	1.4° / 3.7°
Efficiency	94 %
Peak intensity	424 cd/lm
LEDs/each optic	1
Light colour	Green
Required components:	



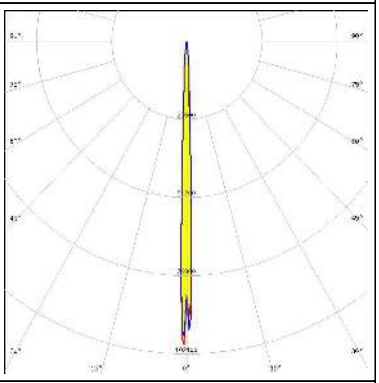
LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	2.0° / 4.0°
Efficiency	89 %
Peak intensity	317.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



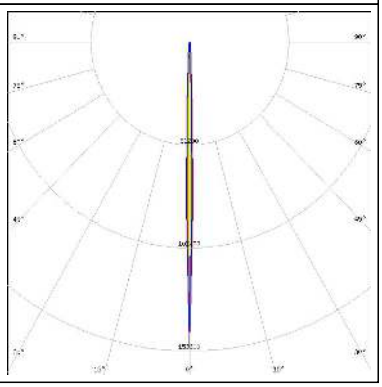
LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	3.6° / 9.0°
Efficiency	89 %
Peak intensity	99 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

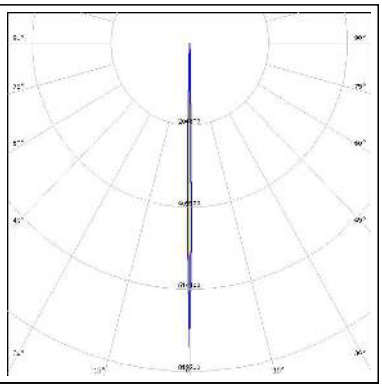
LED	LUXEON MZ
FWHM / FWTM	2.2° / 6.0°
Efficiency	84 %
Peak intensity	151 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

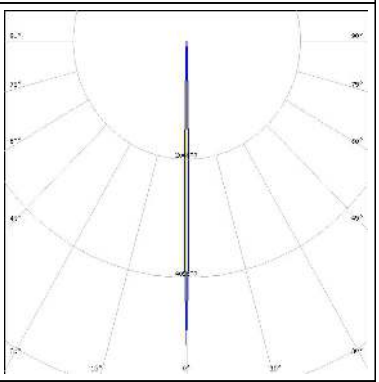
LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	1.3° / 3.2°
Efficiency	90 %
Peak intensity	704 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



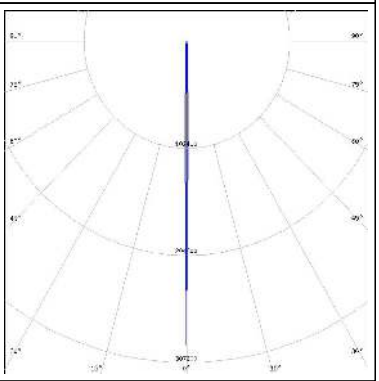
LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	1.6° / 3.6°
Efficiency	90 %
Peak intensity	530 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



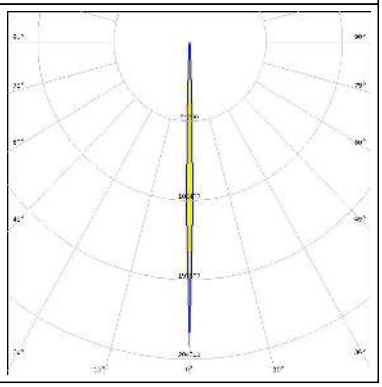
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	2.0° / 4.0°
Efficiency	88 %
Peak intensity	290.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

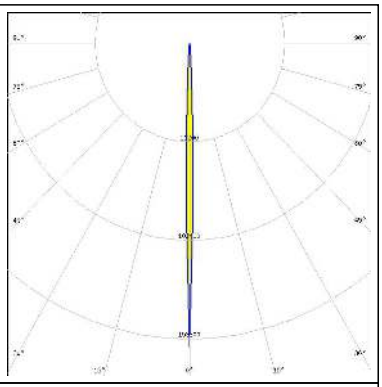
LED	LUXEON Rubix
FWHM / FWTM	2.0° / 6.0°
Efficiency	85 %
Peak intensity	196.2 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



OPTICAL RESULTS (SIMULATED):

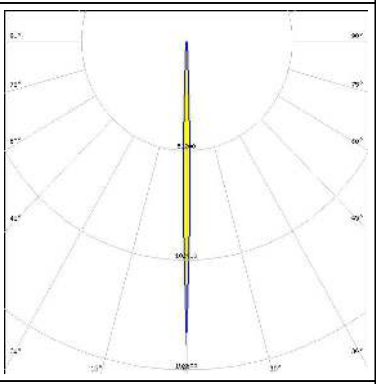
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	2.0° / 6.0°
Efficiency	83 %
Peak intensity	157.7 cd/lm
LEDs/each optic	1
Light colour	Green
Required components:	



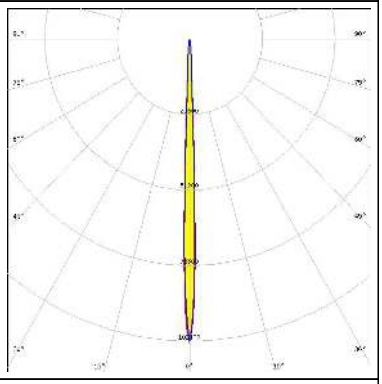
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	2.0° / 6.0°
Efficiency	83 %
Peak intensity	141.9 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	



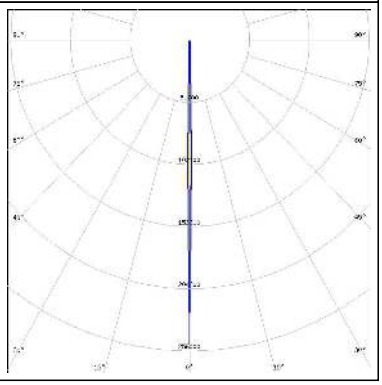
LUMILEDS

LED	LUXEON S1000
FWHM / FWTM	3.8° / 8.0°
Efficiency	88 %
Peak intensity	100 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

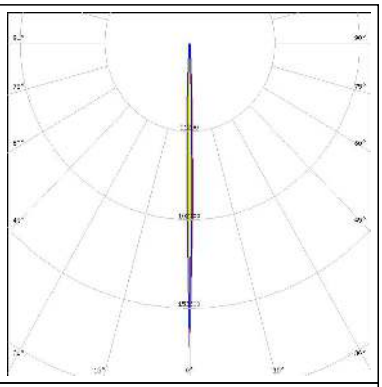
LED	LUXEON V2
FWHM / FWTM	2.0° / 4.0°
Efficiency	88 %
Peak intensity	250.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

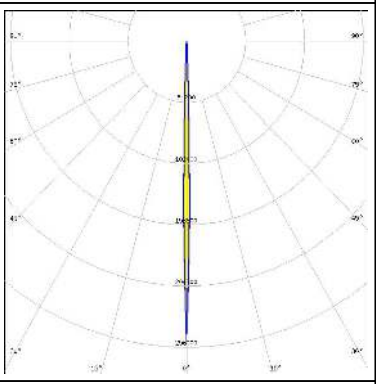
LUMINUS

LED	SBT-90
FWHM / FWTM	2.0° / 6.0°
Efficiency	76 %
Peak intensity	175.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



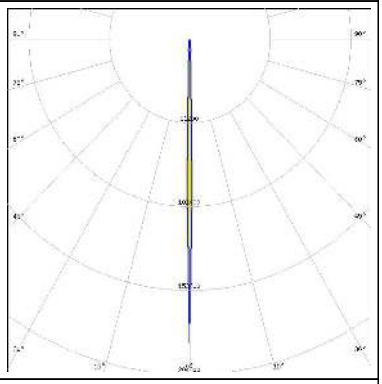
LUMINUS

LED	SBT-90
FWHM / FWTM	2.3° / 4.8°
Efficiency	90 %
Peak intensity	253 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



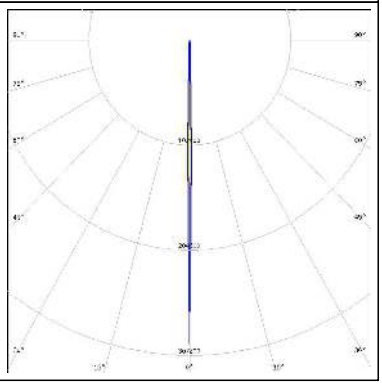
NICHIA

LED	NV4WB35AM
FWHM / FWTM	2.0° / 4.0°
Efficiency	90 %
Peak intensity	185.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

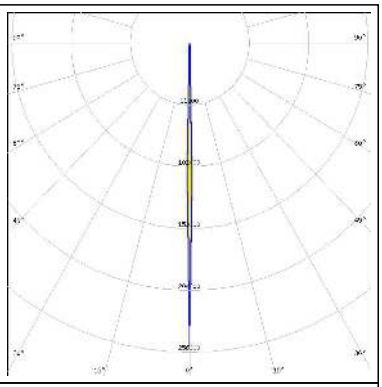
LED	NVSW219F
FWHM / FWTM	2.0° / 4.0°
Efficiency	89 %
Peak intensity	296 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

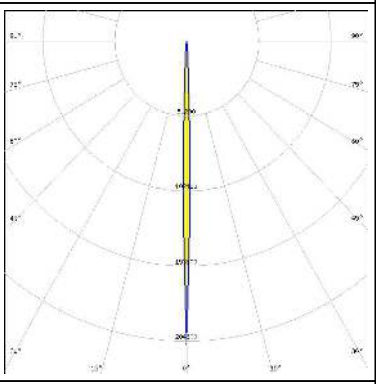
NICHIA

LED	NVSW519A
FWHM / FWTM	2.0° / 4.0°
Efficiency	89 %
Peak intensity	251.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



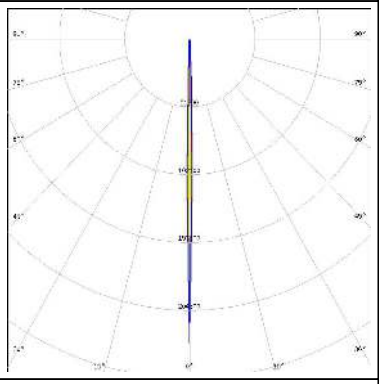
NICHIA

LED	NVSW719AC
FWHM / FWTM	2.0° / 6.0°
Efficiency	85 %
Peak intensity	207.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



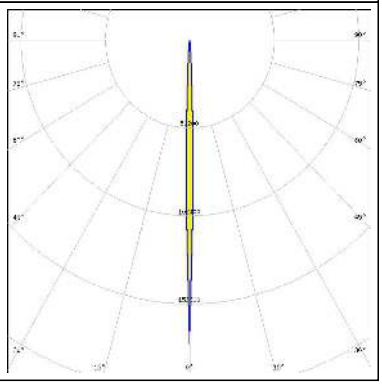
OSRAM
Opto Semiconductors

LED	KW CSLPM1.TG
FWHM / FWTM	2.0° / 4.0°
Efficiency	90 %
Peak intensity	229.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

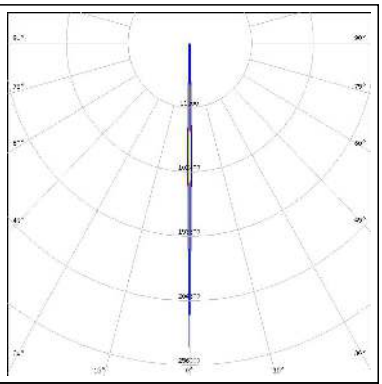
LED	KW CULPM1.TG
FWHM / FWTM	2.0° / 6.0°
Efficiency	92 %
Peak intensity	176.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

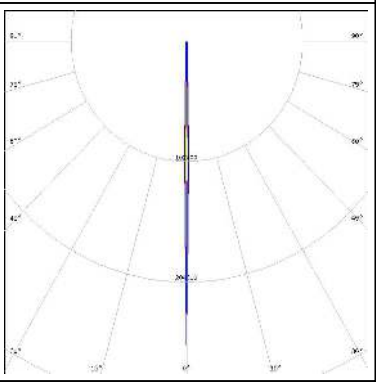
OSRAM Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	2.0° / 4.0°
Efficiency	90 %
Peak intensity	241.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



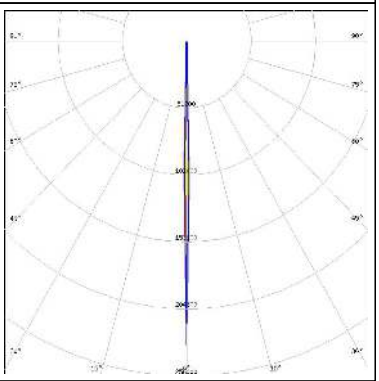
OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	2.0° / 4.0°
Efficiency	89 %
Peak intensity	258.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



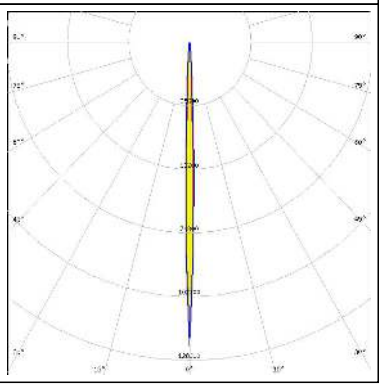
OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	2.0° / 4.0°
Efficiency	90 %
Peak intensity	232.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

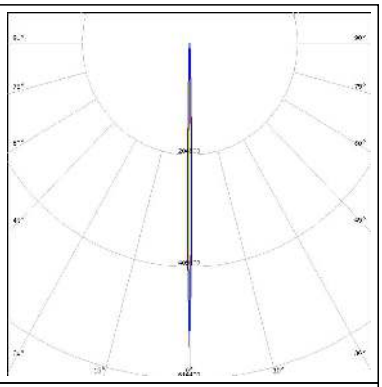
LED	OSCONIQ P 7070
FWHM / FWTM	3.5° / 7.1°
Efficiency	91 %
Peak intensity	122.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

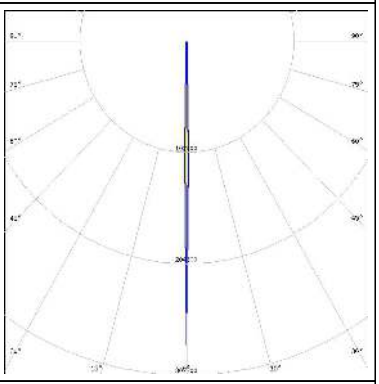
OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	1.5° / 3.6°
Efficiency	89 %
Peak intensity	550 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



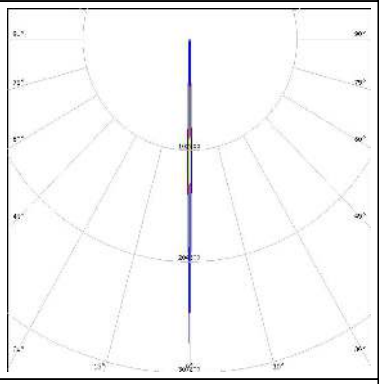
SAMSUNG

LED	LH351B
FWHM / FWTM	2.0° / 4.0°
Efficiency	90 %
Peak intensity	279.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



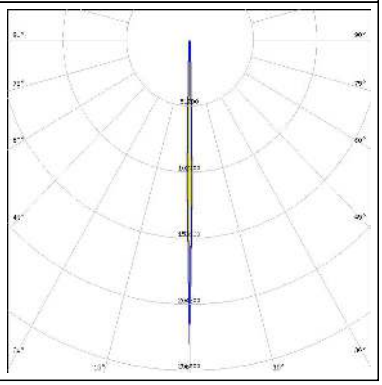
SAMSUNG

LED	LH351C
FWHM / FWTM	2.0° / 4.0°
Efficiency	91 %
Peak intensity	279.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

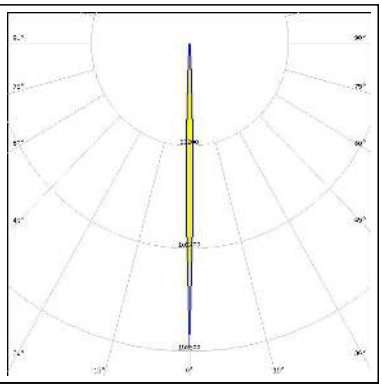
LED	LH351D
FWHM / FWTM	2.0° / 4.0°
Efficiency	91 %
Peak intensity	235.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

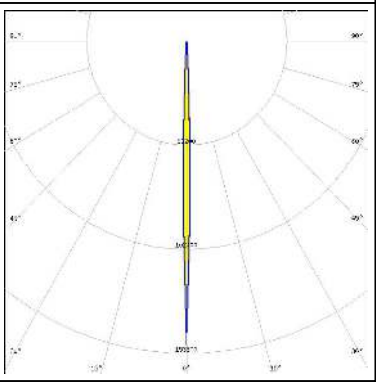
SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	1.4° / 3.3°
Efficiency	94 %
Peak intensity	151.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



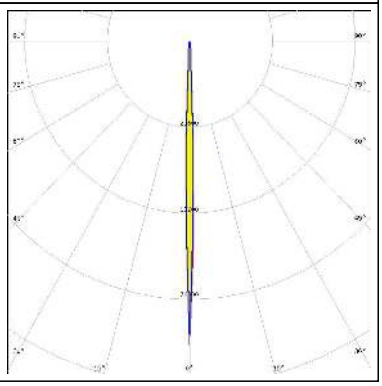
SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	1.7° / 3.5°
Efficiency	96 %
Peak intensity	149.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y50P
FWHM / FWTM	3.0° / 7.0°
Efficiency	79 %
Peak intensity	90.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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