EMILY-RS

~8° spot beam. 14.74 mm high lens.

SPECIFICATION:

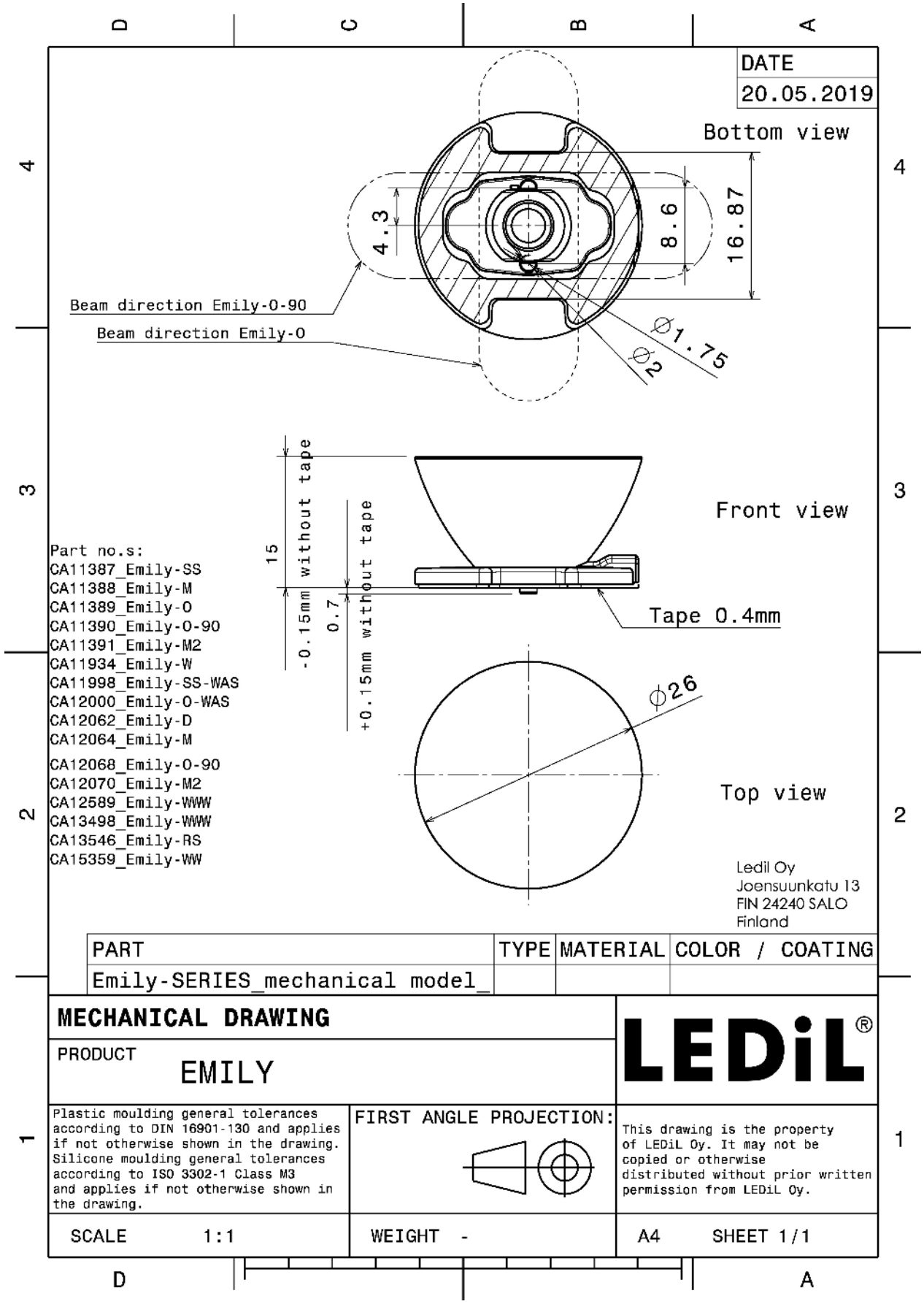
Dimensions	Ø 26.0 mm
Height	14.7 mm
Fastening	tape
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
EMILY-RS	Single lens	PMMA	clear	
SPUTNIK-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13546_EMILY-RS » Box size: 480 x 280 x 300 mm	Single lens	1690	260	130	10.3

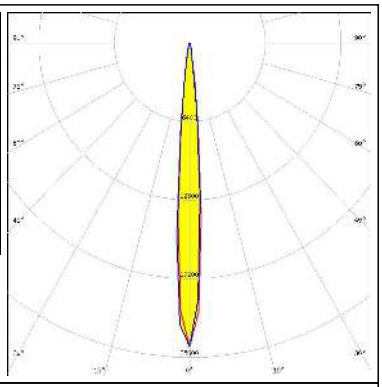


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

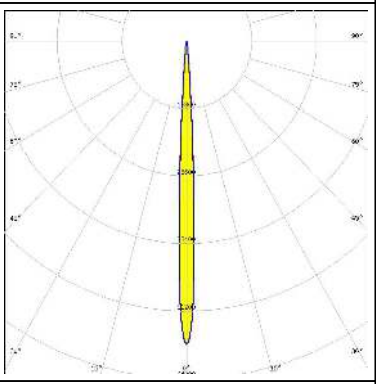
CREE LED

LED	XB-H
FWHM / FWTM	9.0° / 17.0°
Efficiency	88 %
Peak intensity	24.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



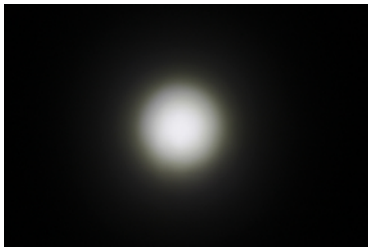
CREE LED

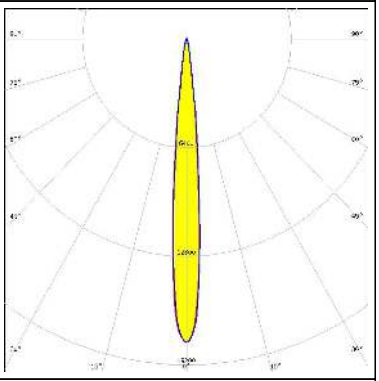
LED	XP-E2
FWHM / FWTM	6.0° / 11.0°
Efficiency	96 %
Peak intensity	57.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

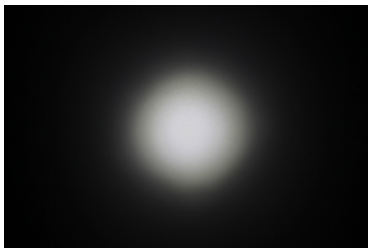
LED	XP-G3
FWHM / FWTM	10.0° / 18.0°
Efficiency	94 %
Peak intensity	18 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

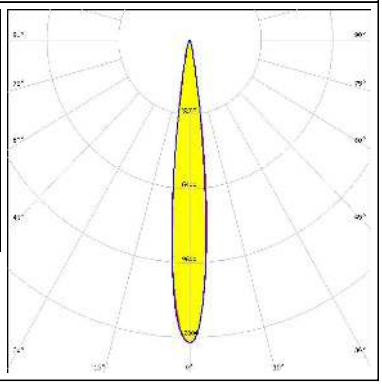




CREE LED

LED	XP-L HD
FWHM / FWTM	13.0° / 23.0°
Efficiency	89 %
Peak intensity	13.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



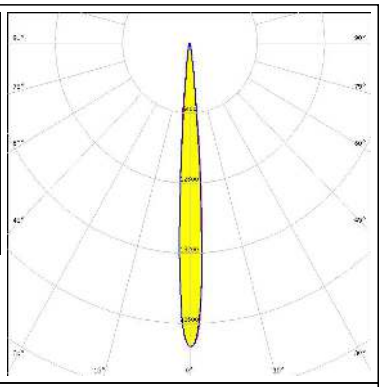


OPTICAL RESULTS (MEASURED):

CREE LED

LED	XP-L HI
FWHM / FWTM	8.0° / 15.0°
Efficiency	88 %
Peak intensity	28 cd/lm
LEDs/each optic	1
Light colour	White

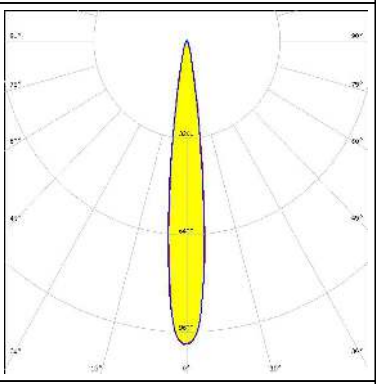
Required components:



CREE LED

LED	XP-L2
FWHM / FWTM	13.0° / 25.0°
Efficiency	93 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour	White

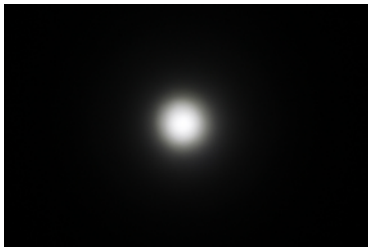
Required components:

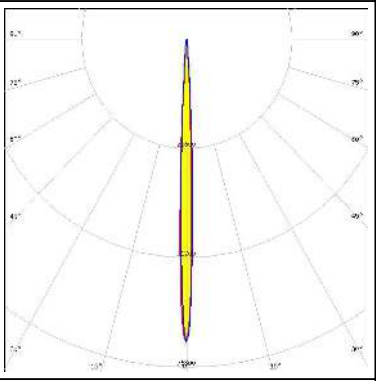


CREE LED

LED	XQ-E HI
FWHM / FWTM	4.0° / 9.0°
Efficiency	94 %
Peak intensity	71.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

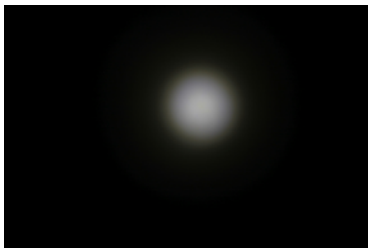


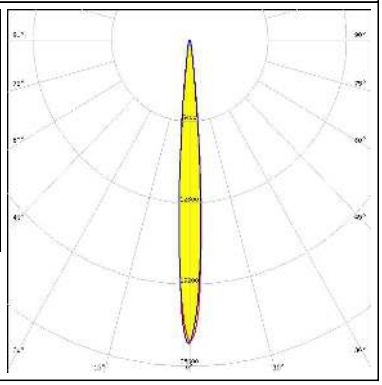


CREE LED

LED	XT-E
FWHM / FWTM	8.0° / 16.0°
Efficiency	91 %
Peak intensity	23.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

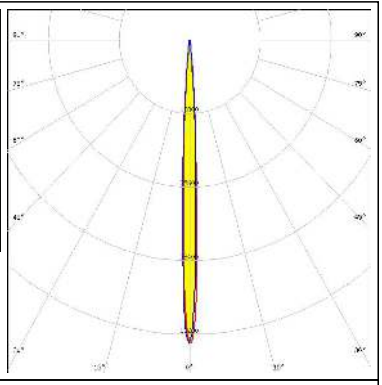




OPTICAL RESULTS (MEASURED):

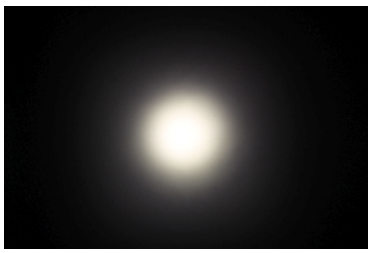
LUMILEDS

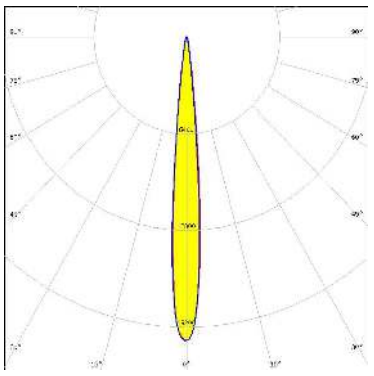
LED	LUXEON Z ES
FWHM / FWTM	5.0° / 11.0°
Efficiency	91 %
Peak intensity	52 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

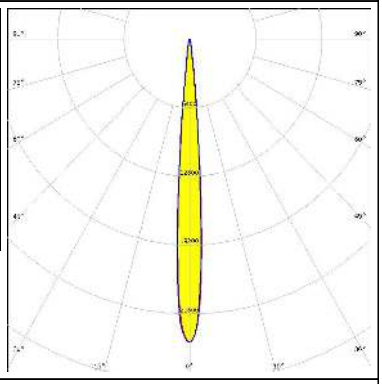
LED	NVSW219D
FWHM / FWTM	10.0° / 18.0°
Efficiency	94 %
Peak intensity	20.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

LED	NVSW719AC
FWHM / FWTM	9.0° / 15.0°
Efficiency	95 %
Peak intensity	28.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	8.0° / 15.0°
Efficiency	90 %
Peak intensity	29.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

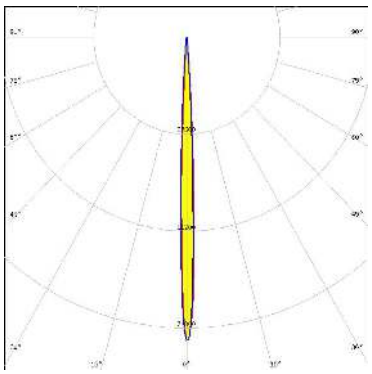
LED	PLPVEC2 850A
FWHM / FWTM	4.0° / 11.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR

Required components:

SEOUL SEMICONDUCTOR

LED	nPola
FWHM / FWTM	5.0°
Efficiency	94 %
Peak intensity	81.2 cd/lm
LEDs/each optic	1
Light colour	White

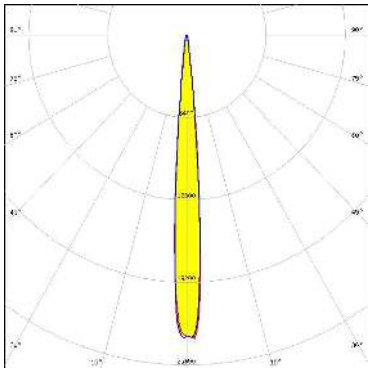
Required components:



SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	9.0° / 15.0°
Efficiency	91 %
Peak intensity	23.7 cd/lm
LEDs/each optic	1
Light colour	White

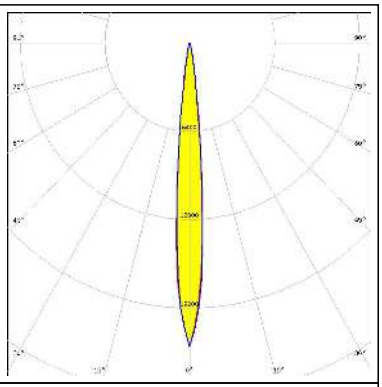
Required components:



OPTICAL RESULTS (SIMULATED):

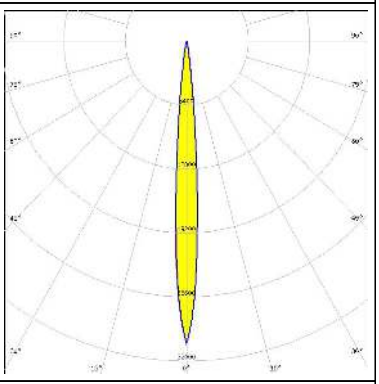
CREE LED

LED	XHP35 HI
FWHM / FWTM	10.0° / 18.0°
Efficiency	96 %
Peak intensity	22 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



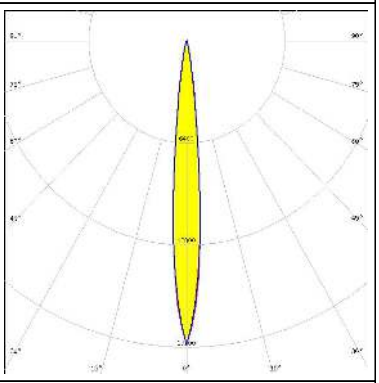
CREE LED

LED	XP-G2
FWHM / FWTM	8.0° / 16.0°
Efficiency	94 %
Peak intensity	30.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



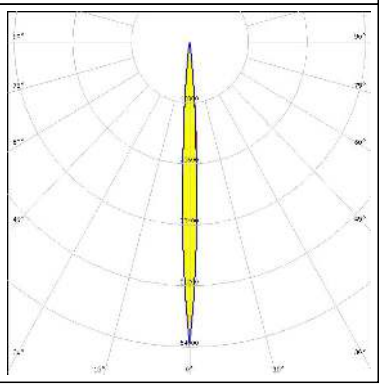
CREE LED

LED	XP-G2 HE
FWHM / FWTM	10.0° / 20.0°
Efficiency	95 %
Peak intensity	19.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

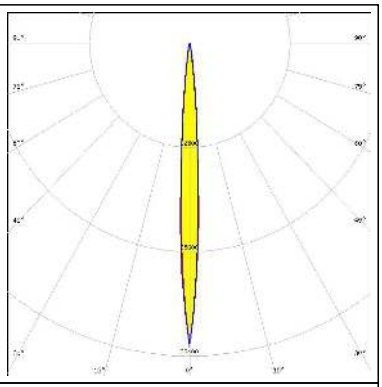
LED	XP-P
FWHM / FWTM	6.0° / 12.0°
Efficiency	96 %
Peak intensity	63.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

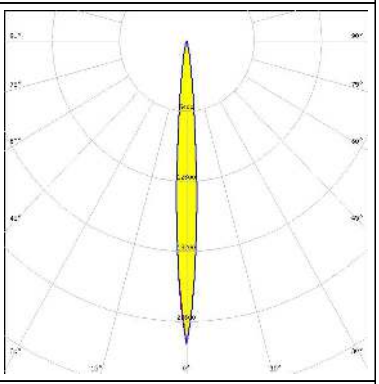
LUMILEDS

LED	LUXEON C
FWHM / FWTM	7.0° / 16.0°
Efficiency	94 %
Peak intensity	37.3 cd/lm
LEDs/each optic	1
Light colour	Royal Blue
Required components:	



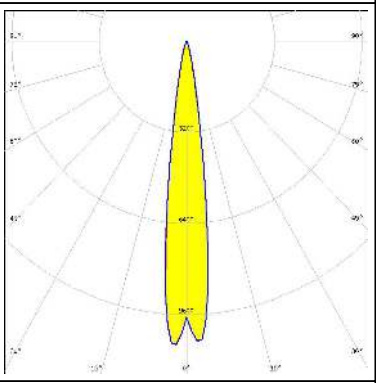
LUMILEDS

LED	LUXEON HL2Z
FWHM / FWTM	8.0° / 18.0°
Efficiency	96 %
Peak intensity	27.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



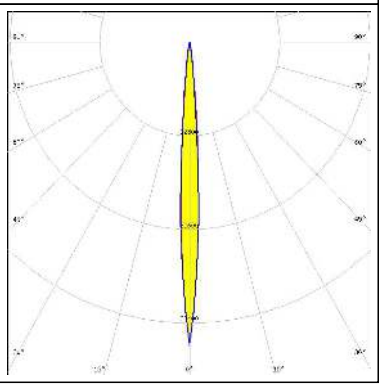
LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	14.0° / 26.0°
Efficiency	95 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

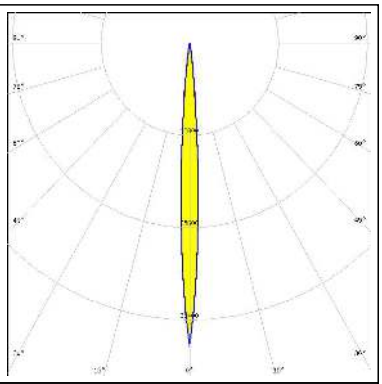
LED	LUXEON Rebel
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	41.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

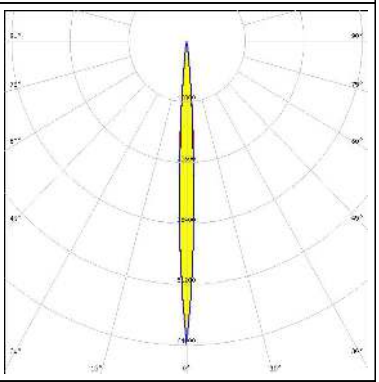
LUMILEDS

LED	LUXEON Rebel Plus
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	42.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



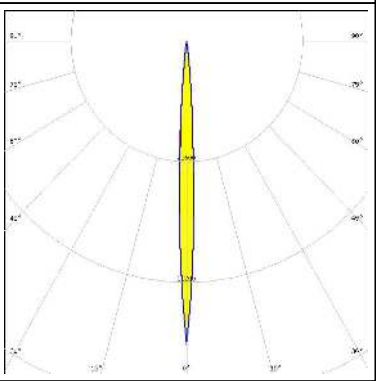
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	6.0° / 12.0°
Efficiency	96 %
Peak intensity	63.9 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	



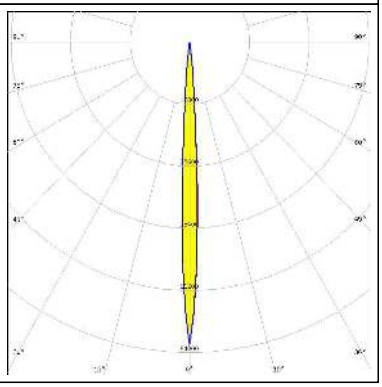
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	6.0° / 12.0°
Efficiency	96 %
Peak intensity	64.5 cd/lm
LEDs/each optic	1
Light colour	Green
Required components:	



LUMILEDS

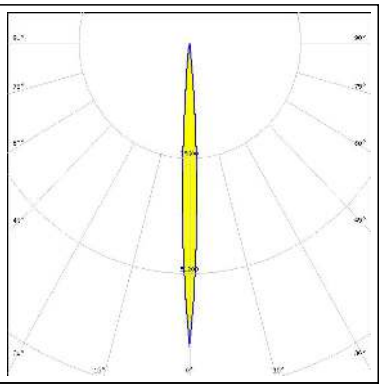
LED	LUXEON Rubix
FWHM / FWTM	6.0° / 12.0°
Efficiency	96 %
Peak intensity	62.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

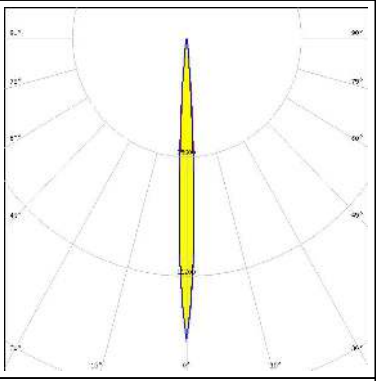
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	6.0° / 12.0°
Efficiency	96 %
Peak intensity	67.4 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



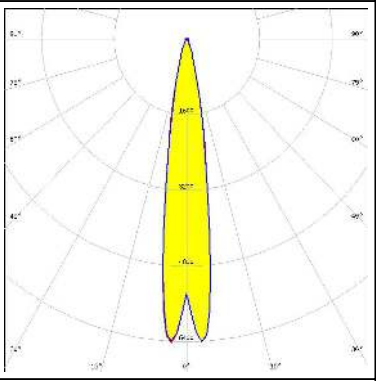
LUMILEDS

LED	LUXEON Z
FWHM / FWTM	5.9° / 12.0°
Efficiency	94 %
Peak intensity	65.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



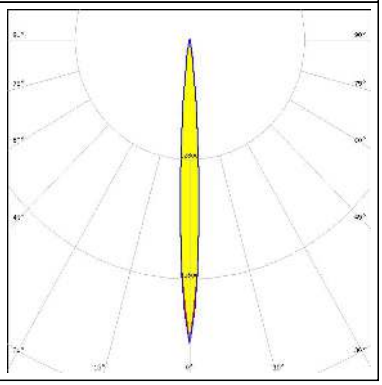
NICHIA

LED	NCSxE17A
FWHM / FWTM	6.0° / 16.0°
Efficiency	93 %
Peak intensity	35.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

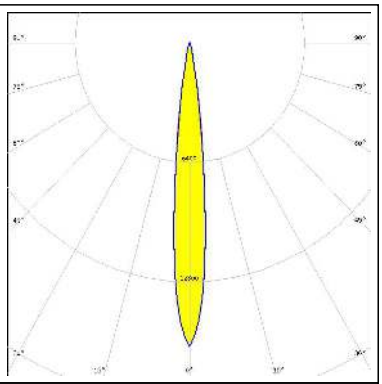
LED	NCSxE17A
FWHM / FWTM	8.0° / 16.0°
Efficiency	92 %
Peak intensity	32.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

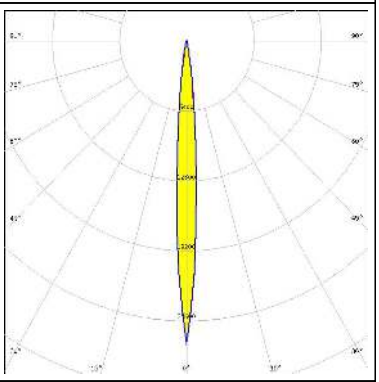
NICHIA

LED	NVSW3x9A
FWHM / FWTM	12.0° / 22.0°
Efficiency	95 %
Peak intensity	16.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



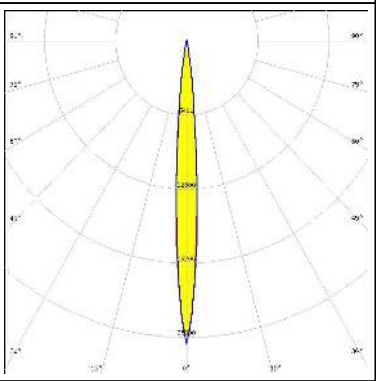
NICHIA

LED	NVSxE21A
FWHM / FWTM	8.0° / 18.0°
Efficiency	94 %
Peak intensity	27.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



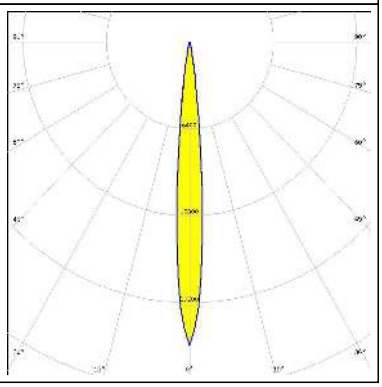
NICHIA

LED	NVSxE21A
FWHM / FWTM	8.0° / 18.0°
Efficiency	93 %
Peak intensity	26.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

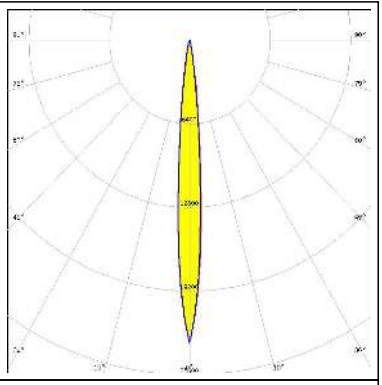
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	10.0° / 18.0°
Efficiency	95 %
Peak intensity	22.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

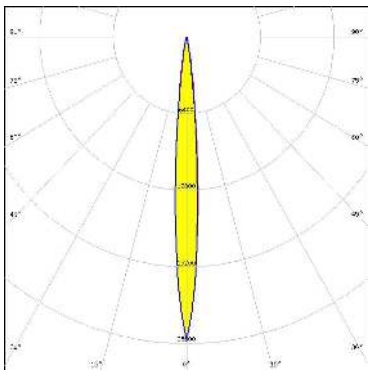
OSRAM Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	9.0° / 18.0°
Efficiency	89 %
Peak intensity	23.2 cd/lm
LEDs/each optic	1
Light colour	Purple
Required components:	



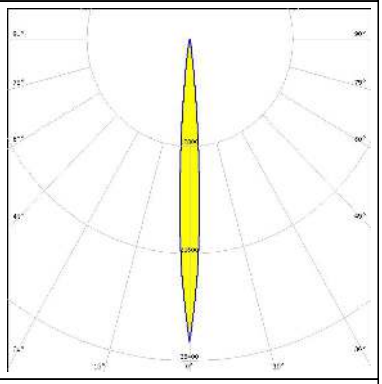
OSRAM Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	8.0° / 18.0°
Efficiency	96 %
Peak intensity	25.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



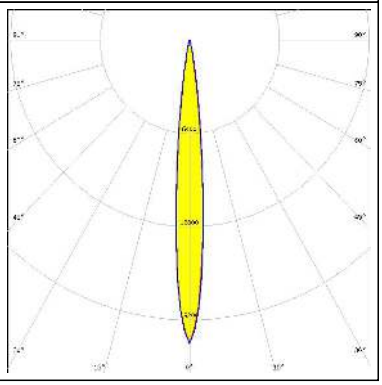
OSRAM Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	8.0° / 16.0°
Efficiency	96 %
Peak intensity	36.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

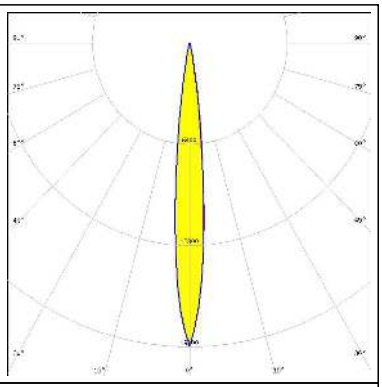
LED	OSCONIQ P 3030
FWHM / FWTM	10.0° / 20.0°
Efficiency	96 %
Peak intensity	20.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

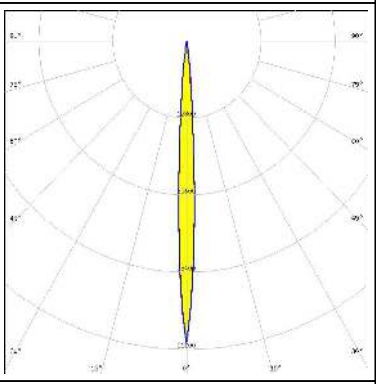
OSRAM Opto Semiconductors

LED	OSLON Black
FWHM / FWTM	11.0° / 20.0°
Efficiency	94 %
Peak intensity	19.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



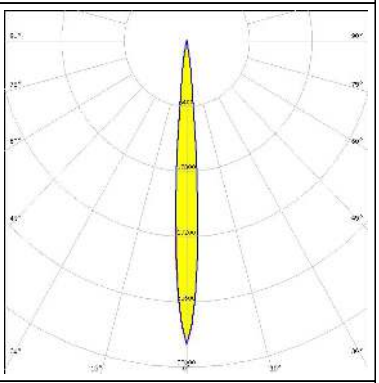
OSRAM Opto Semiconductors

LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	6.3° / 14.0°
Efficiency	94 %
Peak intensity	50.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



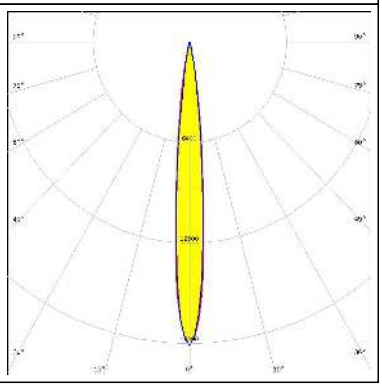
OSRAM Opto Semiconductors

LED	OSLON PURE 1010
FWHM / FWTM	8.0° / 16.0°
Efficiency	93 %
Peak intensity	29.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

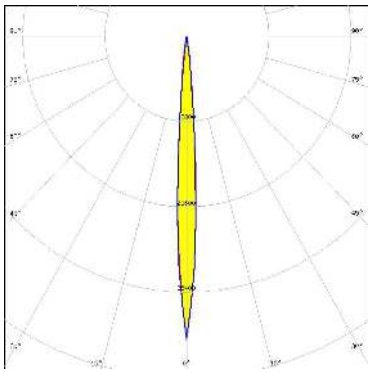
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	11.0° / 21.0°
Efficiency	94 %
Peak intensity	19.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

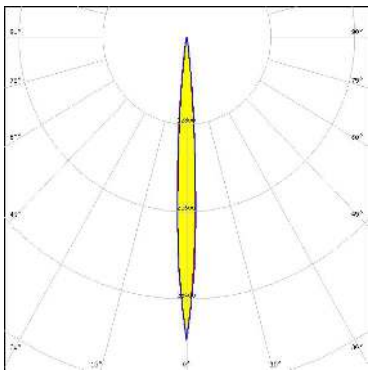
OSRAM Opto Semiconductors

LED	OSLON SSL 120
FWHM / FWTM	7.0° / 14.0°
Efficiency	96 %
Peak intensity	45.5 cd/lm
LEDs/each optic	1
Light colour	Amber
Required components:	



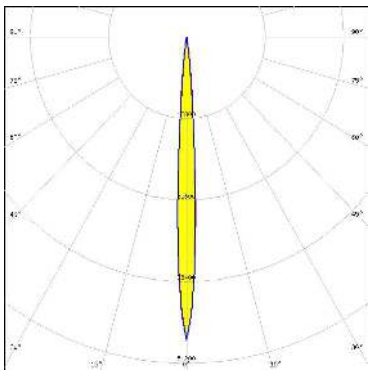
OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	7.0° / 14.0°
Efficiency	96 %
Peak intensity	44.5 cd/lm
LEDs/each optic	1
Light colour	Amber
Required components:	



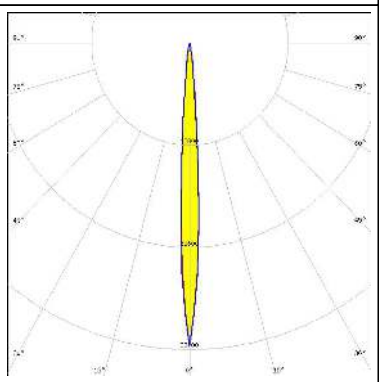
OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	6.0° / 14.0°
Efficiency	96 %
Peak intensity	47.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

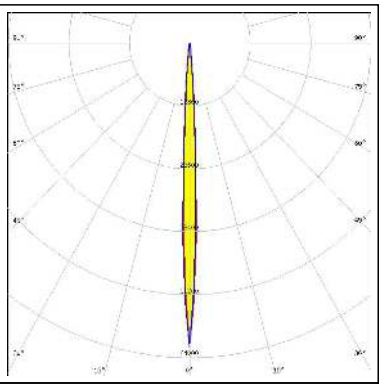
LED	OSLON SSL 80
FWHM / FWTM	7.0° / 14.0°
Efficiency	94 %
Peak intensity	38 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

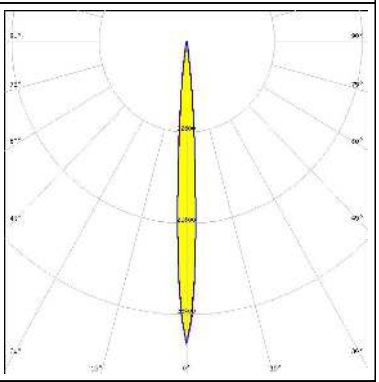
OSRAM
Opto Semiconductors

LED	SFH 4170S
FWHM / FWTM	6.0° / 11.0°
Efficiency	87 %
LEDs/each optic	1
Light colour	IR
Required components:	



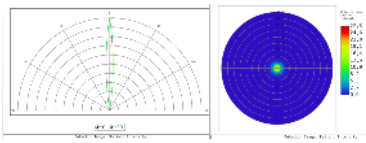
OSRAM
Opto Semiconductors

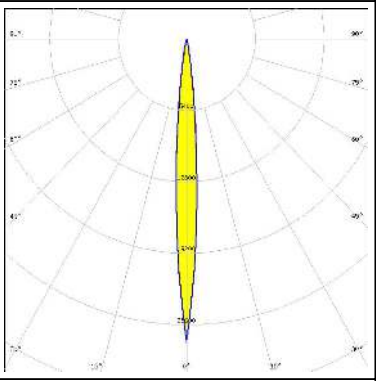
LED	SFH 4716AS
FWHM / FWTM	8.0° / 14.0°
Efficiency	96 %
LEDs/each optic	1
Light colour	IR
Required components:	



OSRAM
Opto Semiconductors

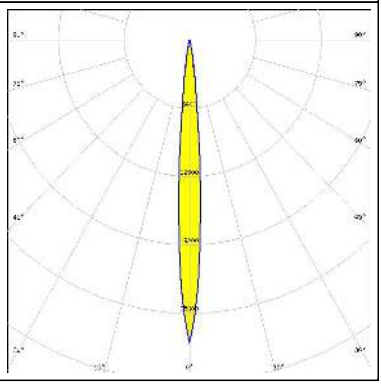
LED	SFH 4725AS
FWHM / FWTM	8.0° / 18.0°
Efficiency	95 %
LEDs/each optic	1
Light colour	IR
Required components:	





SAMSUNG

LED	LM301B
FWHM / FWTM	9.0° / 18.0°
Efficiency	94 %
Peak intensity	28.5 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.

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