LEILA-Y-RS

~10° spot beam. 14.8 mm high assembly with holder, installation tape and pins.



SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes

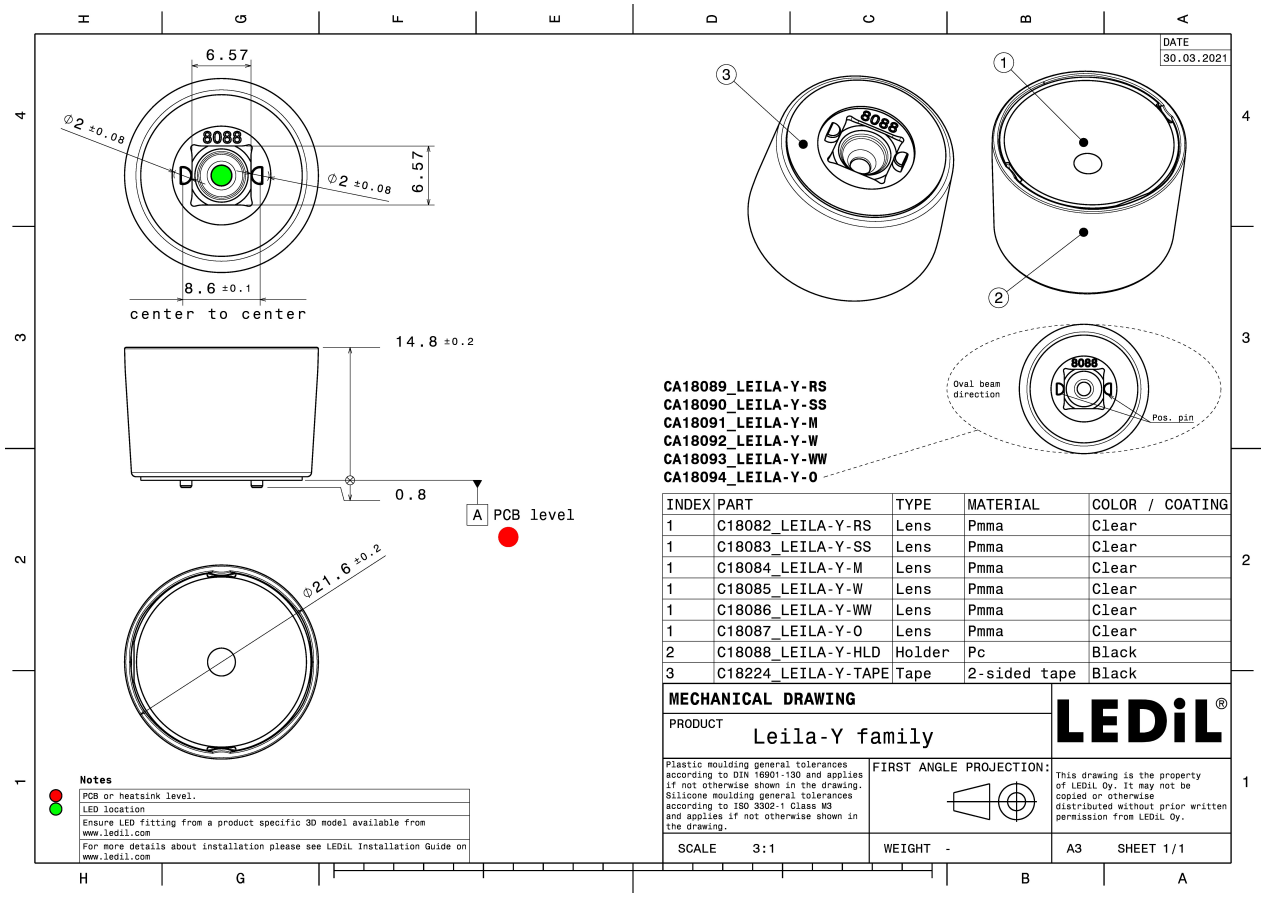
MATERIALS:

Component	Type	Material	Colour	Finish
LEILA-Y-RS	Single lens	PMMA	clear	gloss
LEILA-Y-HLD	Holder	PC	black	gloss
LEILA-Y-TAPE	Tape	Acrylic foam		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18089_LEILA-Y-RS » Box size: 476 x 273 x 197 mm	1800	180	180	7.6

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INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C18082_LEILA-Y-RS	Lens	Pmma	Clear
1	C18083_LEILA-Y-SS	Lens	Pmma	Clear
1	C18084_LEILA-Y-M	Lens	Pmma	Clear
1	C18085_LEILA-Y-W	Lens	Pmma	Clear
1	C18086_LEILA-Y-WW	Lens	Pmma	Clear
1	C18087_LEILA-Y-O	Lens	Pmma	Clear
2	C18088_LEILA-Y-HLD	Holder	Pc	Black
3	C18224_LEILA-Y-TAPE	Tape	2-sided tape	Black

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

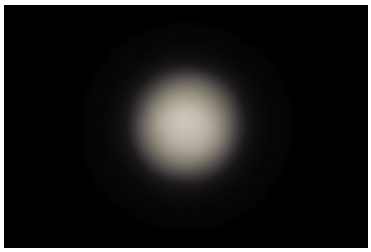
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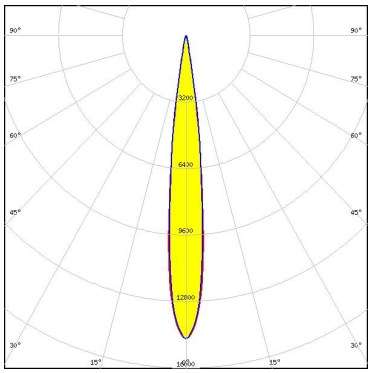
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-G4
FWHM / FWTM	13.0° / 21.0°
Efficiency	87 %
Peak intensity	14.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

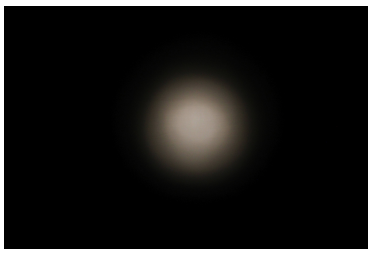


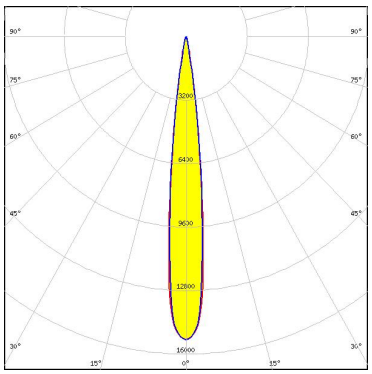


NICHIA

LED	NVSW719AC
FWHM / FWTM	12.0° / 21.0°
Efficiency	87 %
Peak intensity	15.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

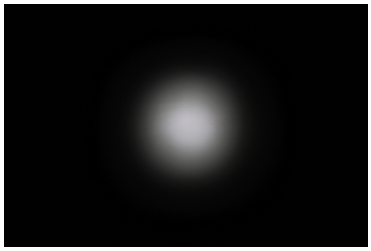


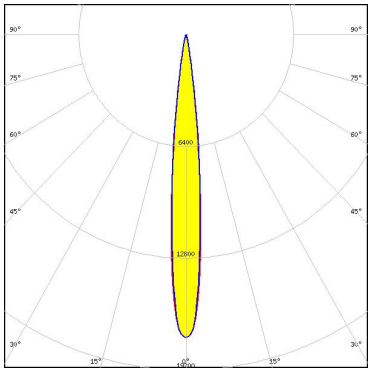


OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	11.0° / 20.0°
Efficiency	87 %
Peak intensity	17.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



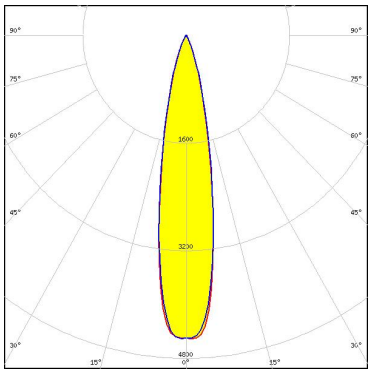


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OPTICAL RESULTS (SIMULATED):

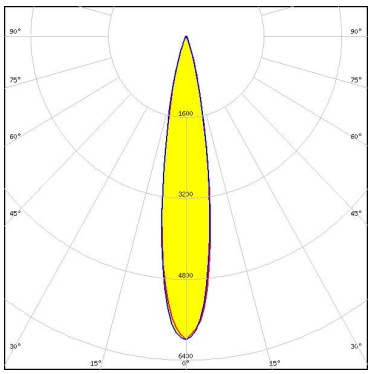
CREE LEDs

LED	J Series 5050B 6V K Class
FWHM / FWTM	20.0° / 41.0°
Efficiency	79 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



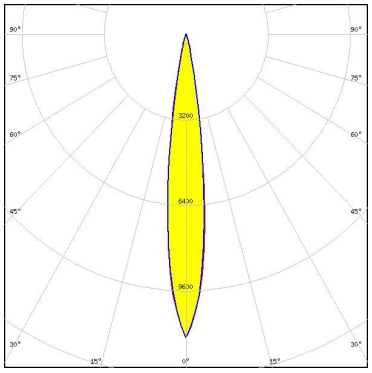
CREE LEDs

LED	XHP35 HD
FWHM / FWTM	18.0° / 35.0°
Efficiency	79 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



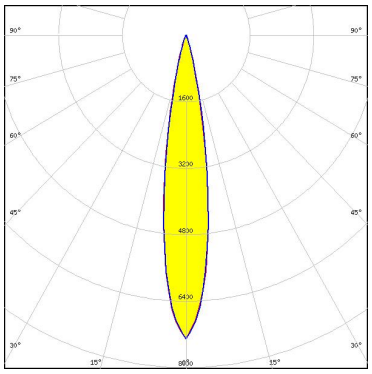
CREE LEDs

LED	XHP35 HI
FWHM / FWTM	14.0° / 26.0°
Efficiency	87 %
Peak intensity	11.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	18.0° / 32.0°
Efficiency	83 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

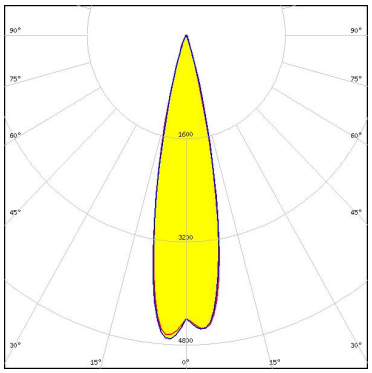


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OPTICAL RESULTS (SIMULATED):

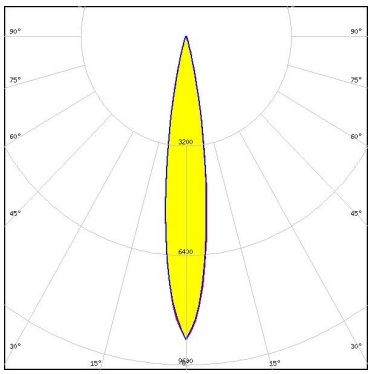
CREE LEDs

LED	XM-L RGBW (XMLDCL HD)
FWHM / FWTM	22.0° / 36.0°
Efficiency	80 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	



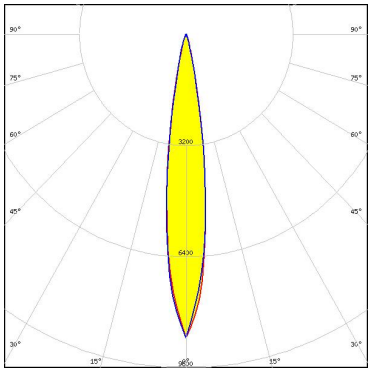
CREE LEDs

LED	XM-L2
FWHM / FWTM	16.0° / 30.0°
Efficiency	85 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



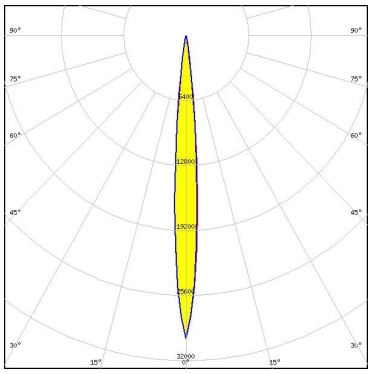
CREE LEDs

LED	XM-L3
FWHM / FWTM	15.0° / 29.0°
Efficiency	80 %
Peak intensity	8.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XP-E2
FWHM / FWTM	9.0° / 18.0°
Efficiency	91 %
Peak intensity	30 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

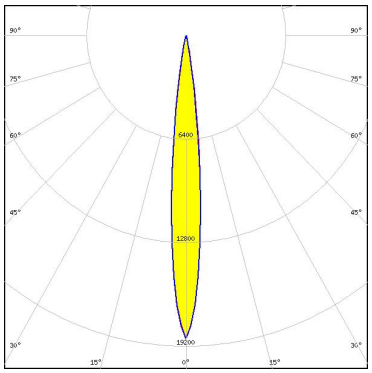


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OPTICAL RESULTS (SIMULATED):

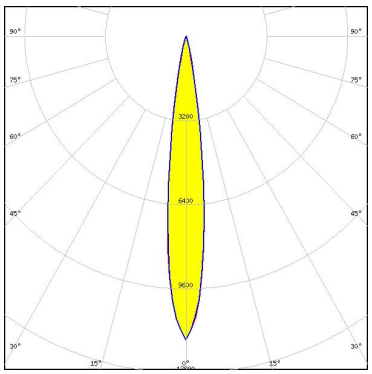
CREE LEDs

LED	XP-G2
FWHM / FWTM	11.0° / 21.0°
Efficiency	90 %
Peak intensity	19 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



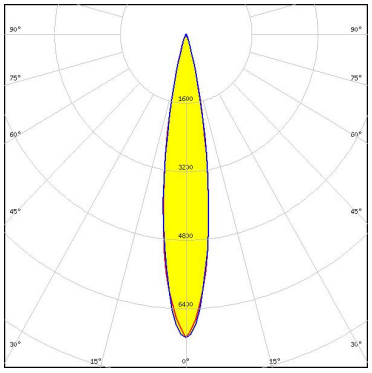
CREE LEDs

LED	XP-G3
FWHM / FWTM	13.9° / 25.4°
Efficiency	85 %
Peak intensity	11.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



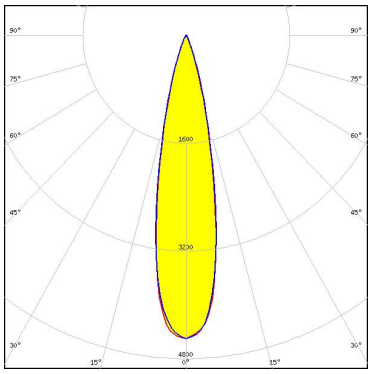
CREE LEDs

LED	XP-L2
FWHM / FWTM	18.0° / 32.0°
Efficiency	81 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON 5050 Round LES
FWHM / FWTM	22.0° / 40.0°
Efficiency	81 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

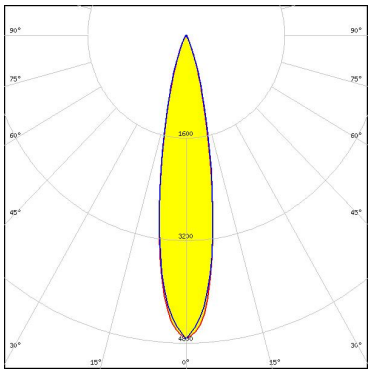


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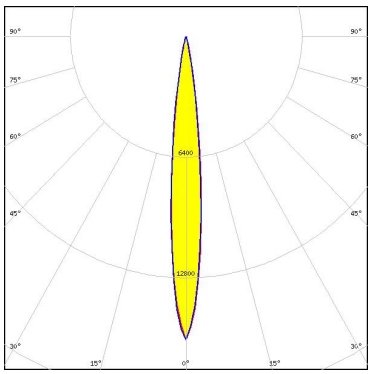
LUMILEDS

LED	LUXEON 5050 Square LES
FWHM / FWTM	20.0° / 40.0°
Efficiency	81 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



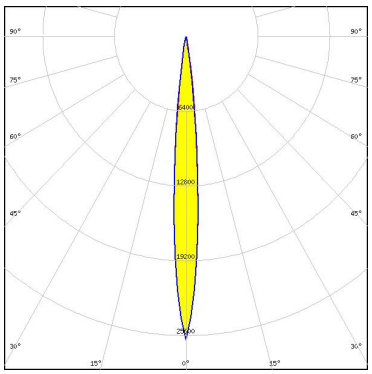
LUMILEDS

LED	LUXEON TX
FWHM / FWTM	12.0° / 23.0°
Efficiency	88 %
Peak intensity	16 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



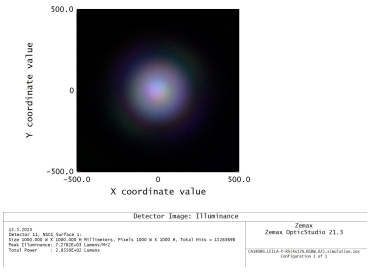
LUMILEDS

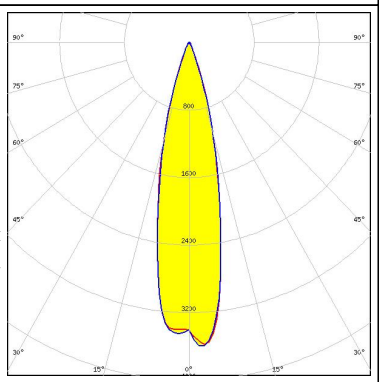
LED	LUXEON Z ES
FWHM / FWTM	10.0° / 18.0°
Efficiency	90 %
Peak intensity	26 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NCSxE17A
FWHM / FWTM	24.0° / 42.0°
Efficiency	76 %
Peak intensity	3.6 cd/lm
LEDs/each optic	4
Light colour	RGBW
Required components:	



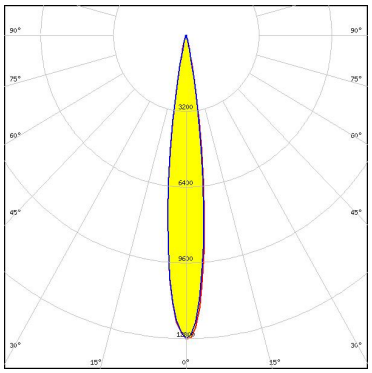


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OPTICAL RESULTS (SIMULATED):

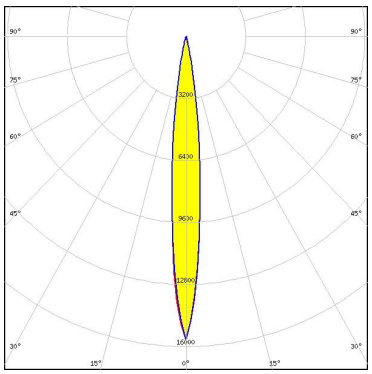
NICHIA

LED	NVSW219F
FWHM / FWTM	14.0° / 25.0°
Efficiency	88 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



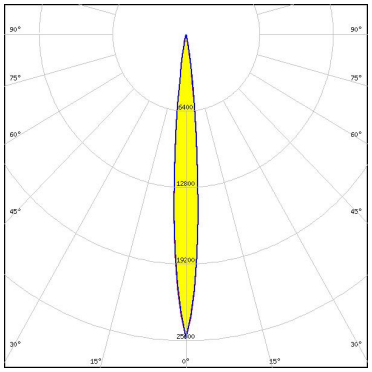
NICHIA

LED	NVSxE21A
FWHM / FWTM	12.0° / 24.0°
Efficiency	86 %
Peak intensity	15.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



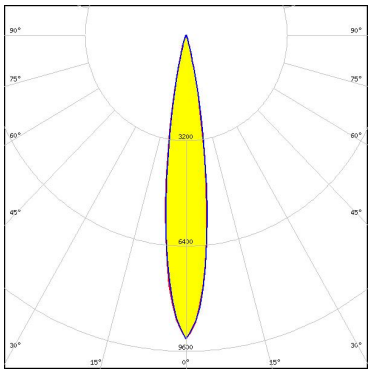
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	10.0° / 18.0°
Efficiency	90 %
Peak intensity	25.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	16.0° / 28.0°
Efficiency	87 %
Peak intensity	9.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

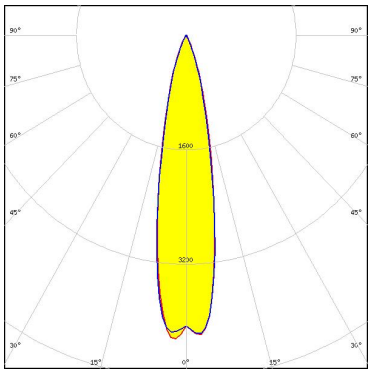


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OPTICAL RESULTS (SIMULATED):

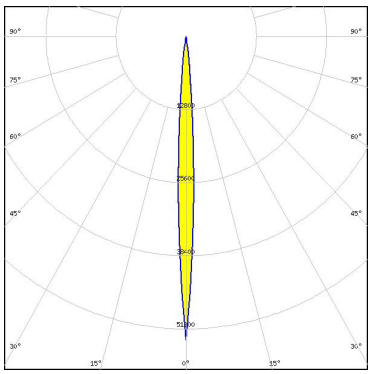
OSRAM
Opto Semiconductors

LED	OSCONIQ S 5050
FWHM / FWTM	22.0° / 42.0°
Efficiency	80 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



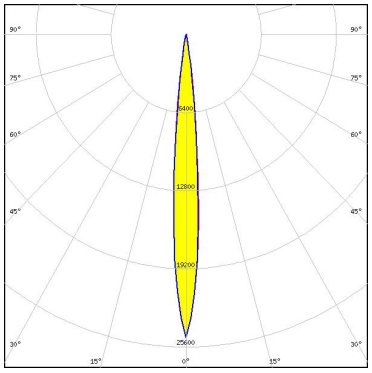
OSRAM
Opto Semiconductors

LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	6.0° / 14.0°
Efficiency	90 %
Peak intensity	53.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



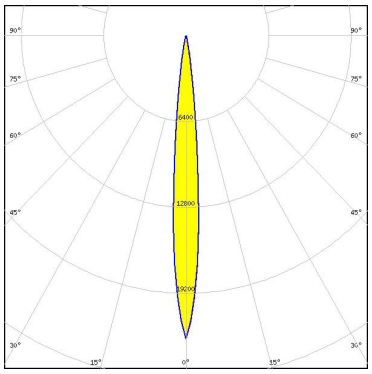
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	10.0° / 18.0°
Efficiency	89 %
Peak intensity	24.9 cd/lm
LEDs/each optic	1
Light colour	Far Red
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square Flat
FWHM / FWTM	10.0° / 20.0°
Efficiency	90 %
Peak intensity	22.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



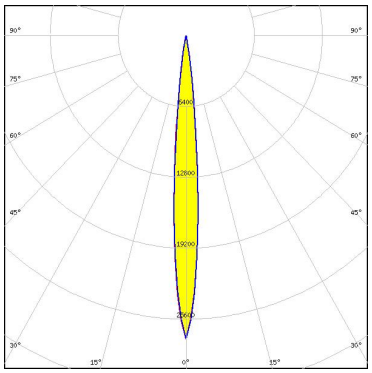
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OPTICAL RESULTS (SIMULATED):

OSRAM Opto Semiconductors

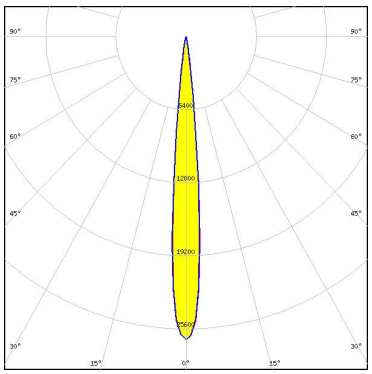
LED	OSLON SSL 150
FWHM / FWTM	9.0° / 18.0°
Efficiency	91 %
Peak intensity	27 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





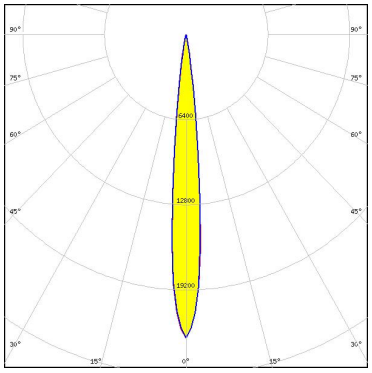
OSRAM Opto Semiconductors

LED	SYNIOS S2222
FWHM / FWTM	10.0° / 16.0°
Efficiency	91 %
Peak intensity	26.6 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



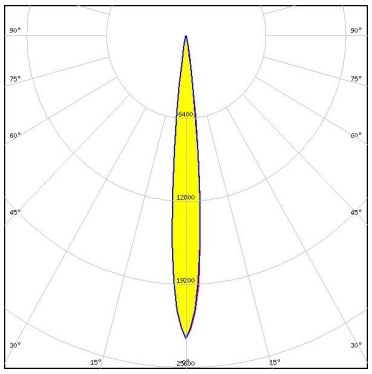
OSRAM Opto Semiconductors

LED	SYNIOS S2222
FWHM / FWTM	10.0° / 18.0°
Efficiency	90 %
Peak intensity	22.8 cd/lm
LEDs/each optic	1
Light colour	Green
Required components:	



OSRAM Opto Semiconductors

LED	SYNIOS S2222
FWHM / FWTM	10.0° / 18.0°
Efficiency	90 %
Peak intensity	23.4 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	

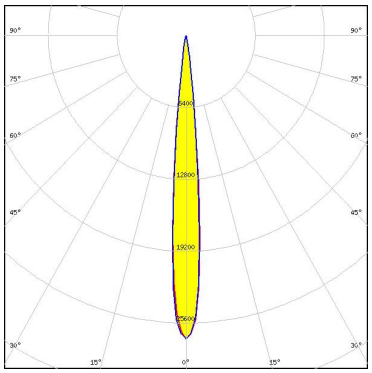


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OPTICAL RESULTS (SIMULATED):

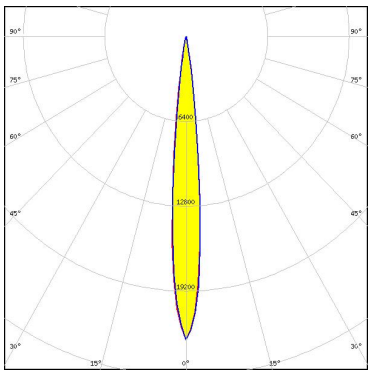
OSRAM
Opto Semiconductors

LED	SYNIOS S2222
FWHM / FWTM	10.0° / 16.0°
Efficiency	91 %
Peak intensity	27 cd/lm
LEDs/each optic	1
Light colour	Yellow
Required components:	



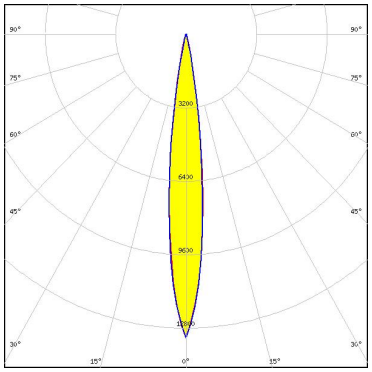
OSRAM
Opto Semiconductors

LED	SYNIOS S2222
FWHM / FWTM	10.0° / 18.0°
Efficiency	90 %
Peak intensity	22.9 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	



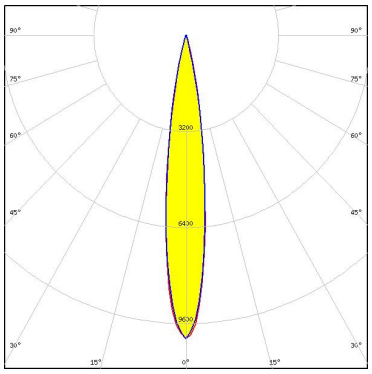
SAMSUNG

LED	LH351B
FWHM / FWTM	13.0° / 24.0°
Efficiency	86 %
Peak intensity	13 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	15.0° / 28.0°
Efficiency	87 %
Peak intensity	10.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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