G2-LAURA-RS-P

~8° spot beam. Assembly with thinner white holder, installation tape and location pins.

SPECIFICATION:

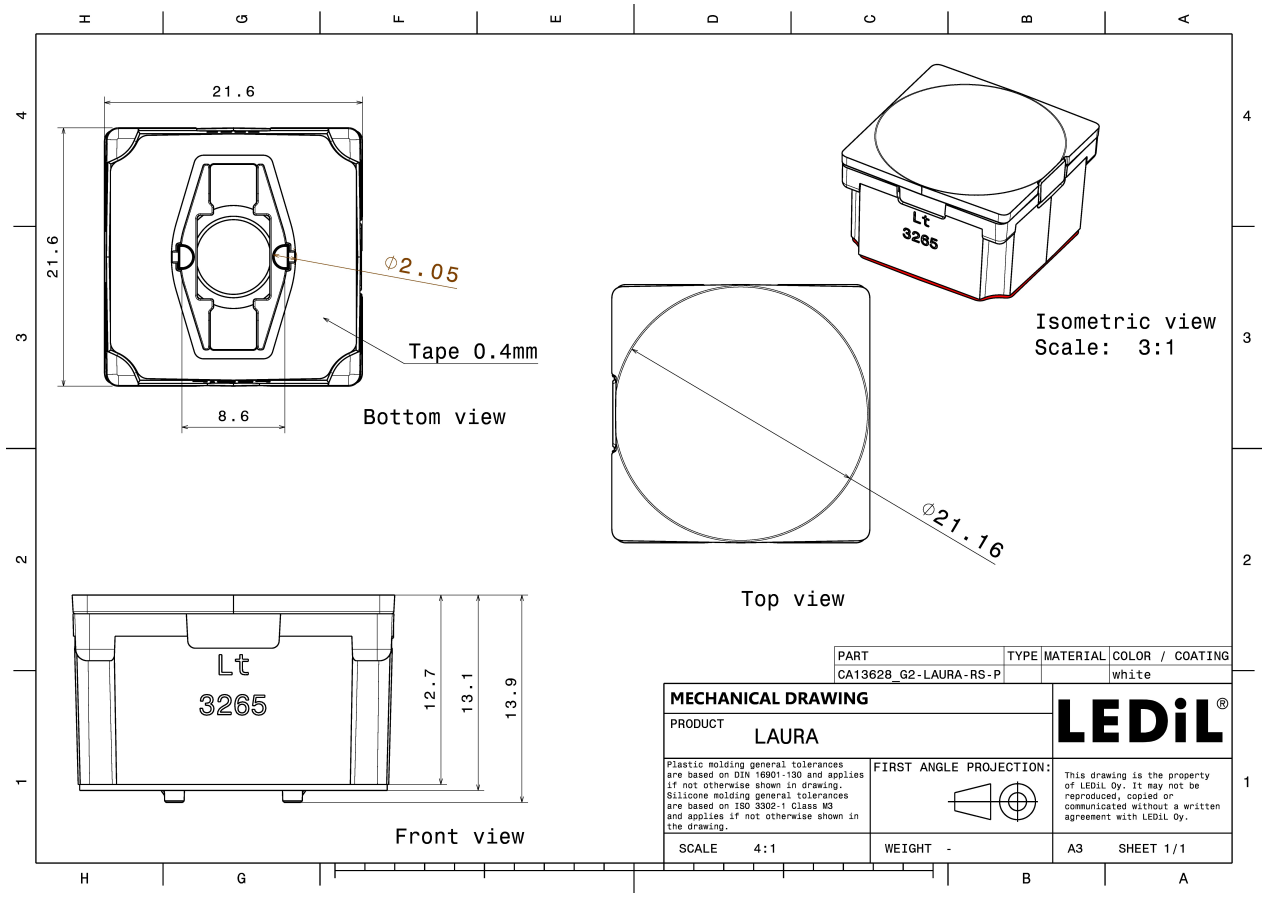
Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
LAURA-RS	Single lens	PMMA	clear	
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13628_G2-LAURA-RS-P » Box size: 460 x 260 x 160 mm	Single lens	1440	360	180	5.9



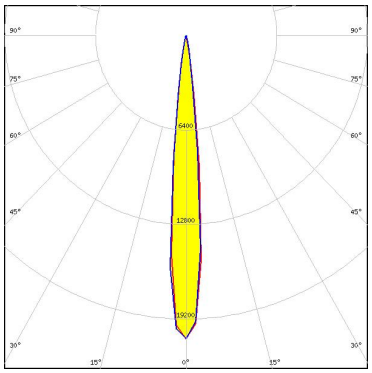
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XB-H
FWHM / FWTM	11.0° / 20.0°
Efficiency	91 %
Peak intensity	20.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



CREE LEDs

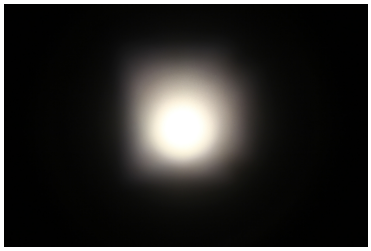
LED	XP-E
FWHM / FWTM	8.0° / 16.0°
Efficiency	93 %
Peak intensity	33.2 cd/lm
LEDs/each optic	1
Light colour	White

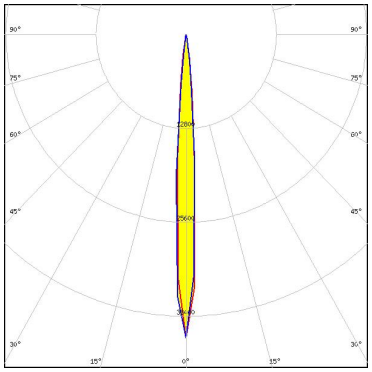
Required components:

CREE LEDs

LED	XP-E2
FWHM / FWTM	8.0° / 15.0°
Efficiency	91 %
Peak intensity	41.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

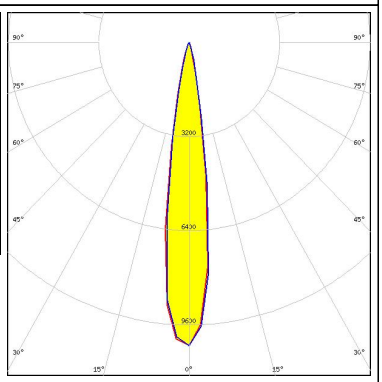




CREE LEDs

LED	XP-L HD
FWHM / FWTM	16.0° / 27.0°
Efficiency	90 %
Peak intensity	10.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

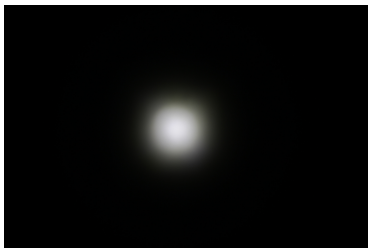


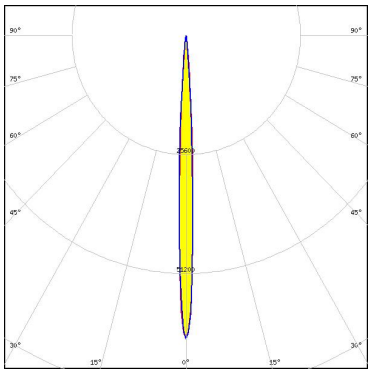
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	5.0° / 11.0°
Efficiency	94 %
Peak intensity	65.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

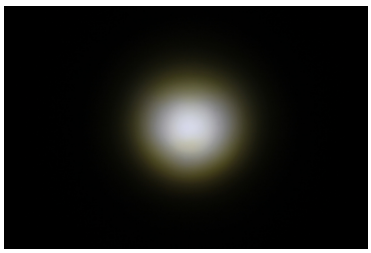


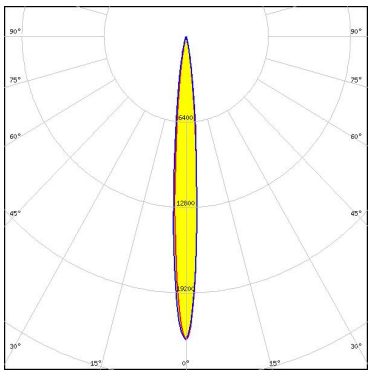


LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	9.0° / 20.0°
Efficiency	92 %
Peak intensity	22.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

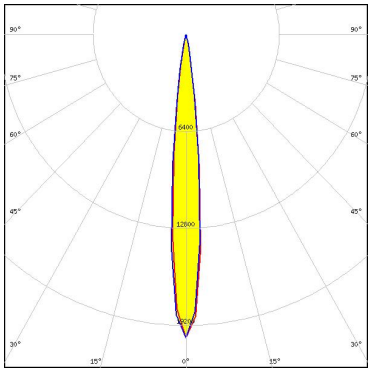




LUMILEDS

LED	LUXEON TX
FWHM / FWTM	11.0° / 21.0°
Efficiency	90 %
Peak intensity	20 cd/lm
LEDs/each optic	1
Light colour	White

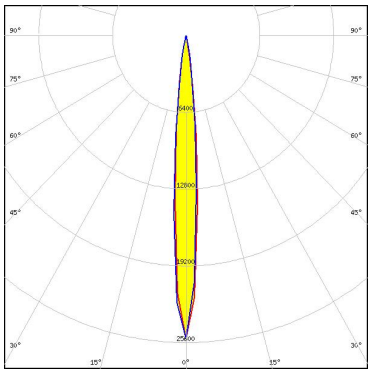
Required components:



NICHIA

LED	NCSxx19A
FWHM / FWTM	10.0° / 20.0°
Efficiency	90 %
Peak intensity	25.3 cd/lm
LEDs/each optic	1
Light colour	White

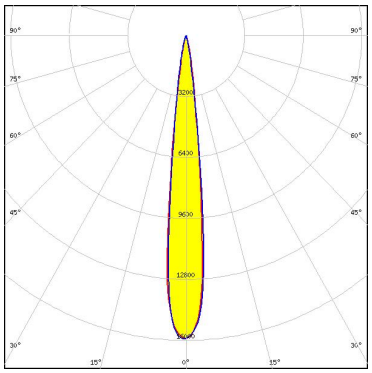
Required components:



OPTICAL RESULTS (MEASURED):

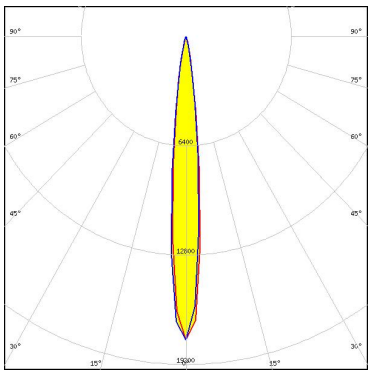
NICHIA

LED	NVSW219D
FWHM / FWTM	12.0° / 22.0°
Efficiency	94 %
Peak intensity	15.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSxx19A
FWHM / FWTM	12.0° / 23.0°
Efficiency	90 %
Peak intensity	17.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	12.0° / 24.0°
Efficiency	90 %
Peak intensity	16.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OSRAM
Opto Semiconductors

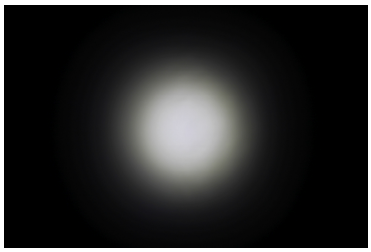
LED	PLPVEC2 850A
FWHM / FWTM	6.0° / 14.0°
Efficiency	%
LEDs/each optic	1
Light colour	IR
Required components:	

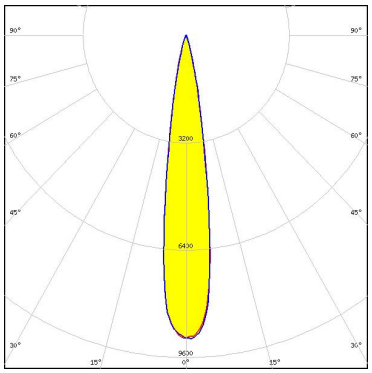
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH351D
FWHM / FWTM	16.0° / 29.0°
Efficiency	94 %
Peak intensity	9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

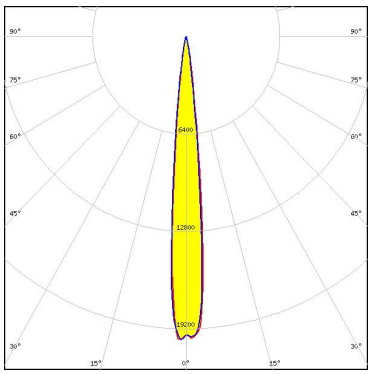




SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	11.0° / 19.0°
Efficiency	91 %
Peak intensity	20 cd/lm
LEDs/each optic	1
Light colour	White

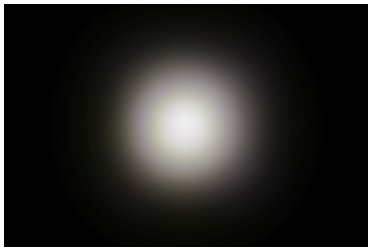
Required components:

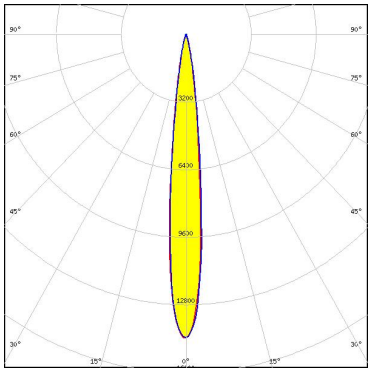


SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	12.0° / 24.0°
Efficiency	94 %
Peak intensity	14.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

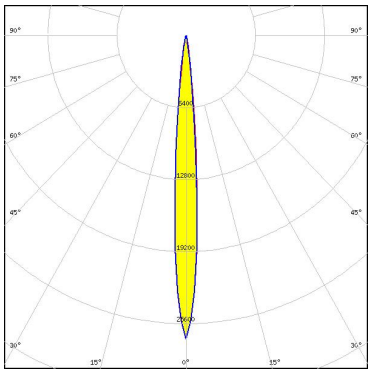




OPTICAL RESULTS (SIMULATED):

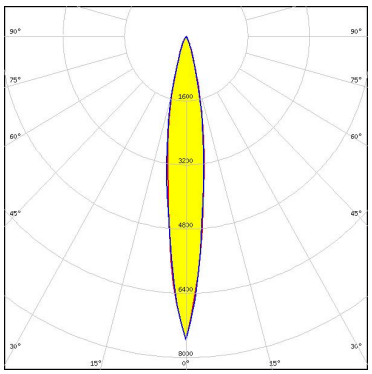
CREE LEDs

LED	XD16
FWHM / FWTM	9.0° / 18.0°
Efficiency	93 %
Peak intensity	27 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



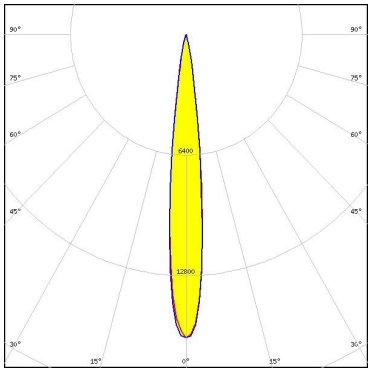
CREE LEDs

LED	XHP35 HD
FWHM / FWTM	14.0° / 35.0°
Efficiency	94 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



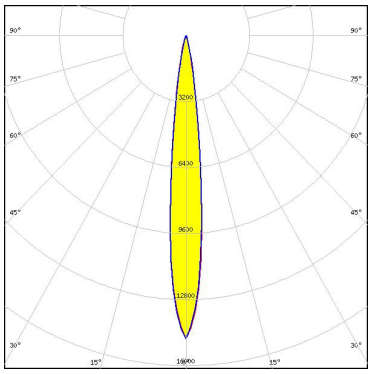
CREE LEDs

LED	XHP35 HI
FWHM / FWTM	12.0° / 23.0°
Efficiency	94 %
Peak intensity	16.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

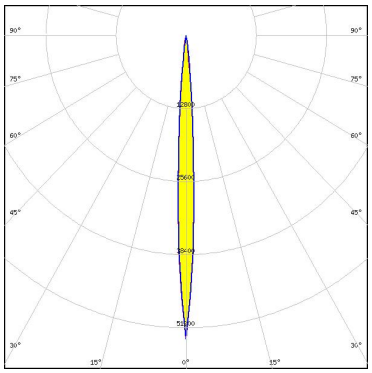
LED	XP-G3
FWHM / FWTM	12.0° / 24.0°
Efficiency	92 %
Peak intensity	14.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

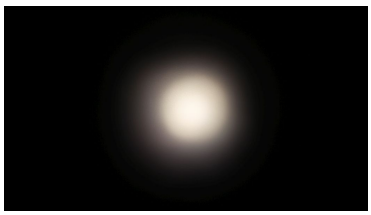
CREE LEDs

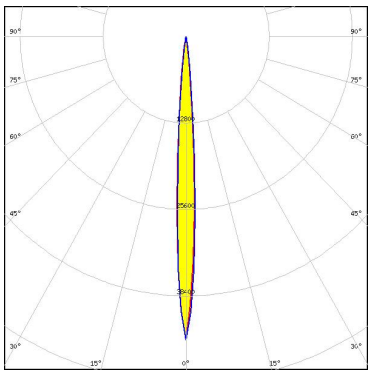
LED	XP-P
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	53.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

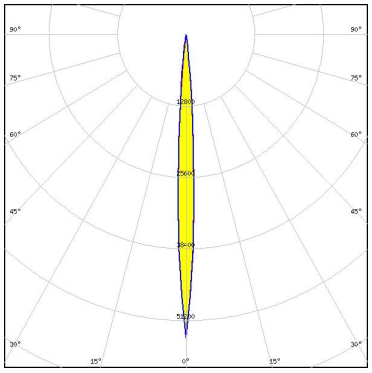
LED	XQ-E HD
FWHM / FWTM	6.9° / 14.5°
Efficiency	94 %
Peak intensity	44.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





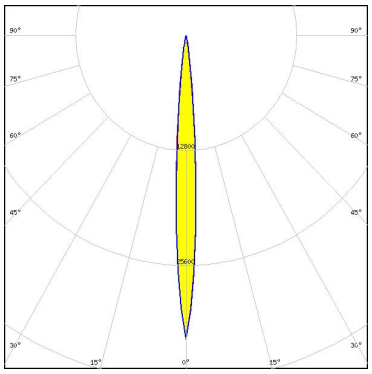
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	6.0° / 13.0°
Efficiency	95 %
Peak intensity	54.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

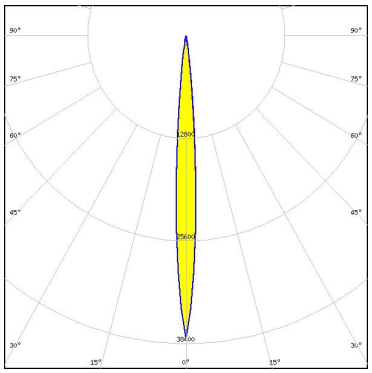
LED	LUXEON HL1Z
FWHM / FWTM	8.0° / 16.0°
Efficiency	95 %
Peak intensity	33.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

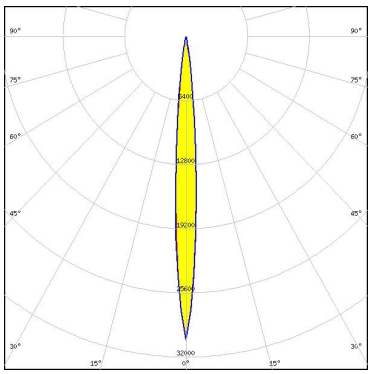
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	8.0° / 16.0°
Efficiency	95 %
Peak intensity	37.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



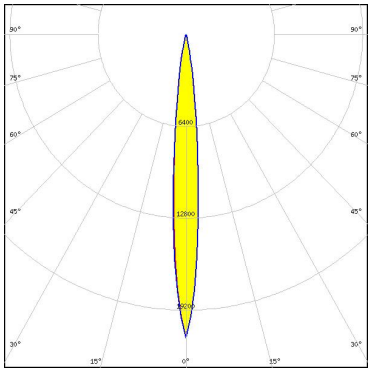
NICHIA

LED	NCSxE17A
FWHM / FWTM	8.0° / 18.0°
Efficiency	95 %
Peak intensity	30.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



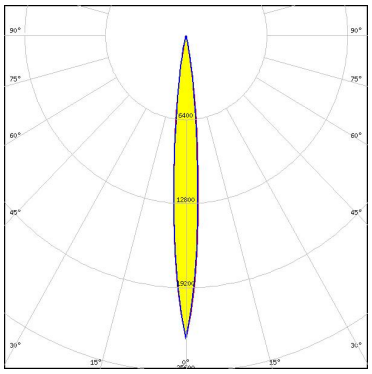
NICHIA

LED	NVSxE21A
FWHM / FWTM	10.0° / 21.0°
Efficiency	94 %
Peak intensity	21.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

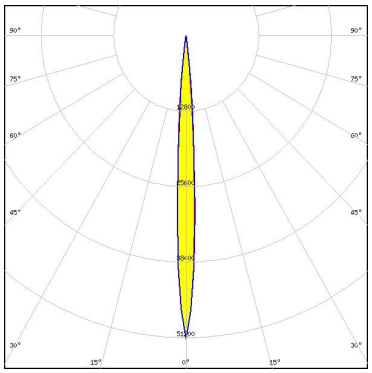
LED	OSLON Black
FWHM / FWTM	9.5° / 20.0°
Efficiency	97 %
Peak intensity	23 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

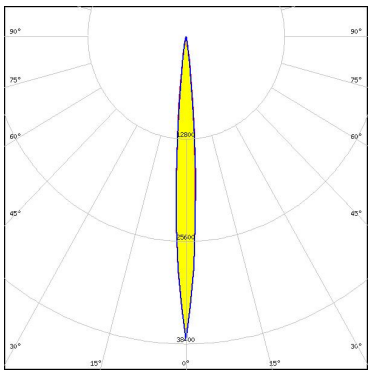
OSRAM Opto Semiconductors

LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	6.8° / 14.0°
Efficiency	94 %
Peak intensity	48.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



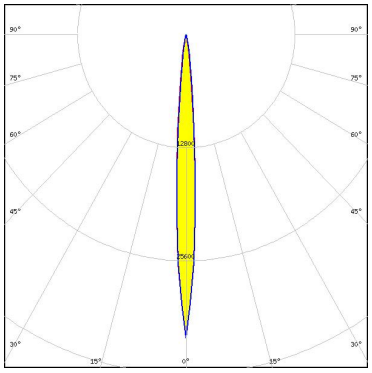
OSRAM Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	8.0° / 16.0°
Efficiency	95 %
Peak intensity	37.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



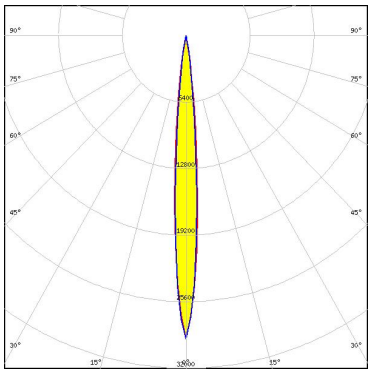
OSRAM Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	8.0° / 16.0°
Efficiency	95 %
Peak intensity	34.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

LED	SFH 4715S
FWHM / FWTM	9.0° / 18.0°
Efficiency	95 %
Peak intensity	29.2 cd/lm
LEDs/each optic	1
Light colour	IR
Required components:	



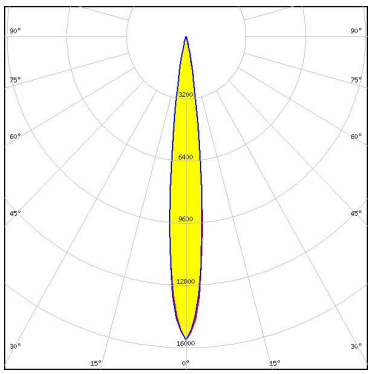
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	SFH 4770S
FWHM / FWTM	10.0° / 23.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

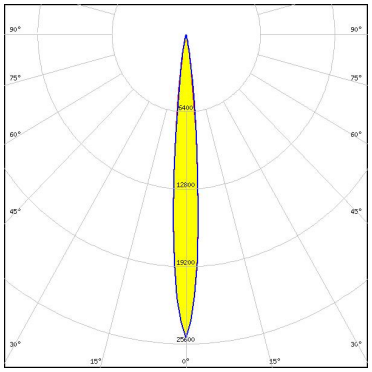
SAMSUNG

LED	LH351B
FWHM / FWTM	12.0° / 24.0°
Efficiency	95 %
Peak intensity	15.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH351Z
FWHM / FWTM	10.0° / 18.0°
Efficiency	93 %
Peak intensity	25 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:

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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