G2-LAURA-SS-P

~11° smooth 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

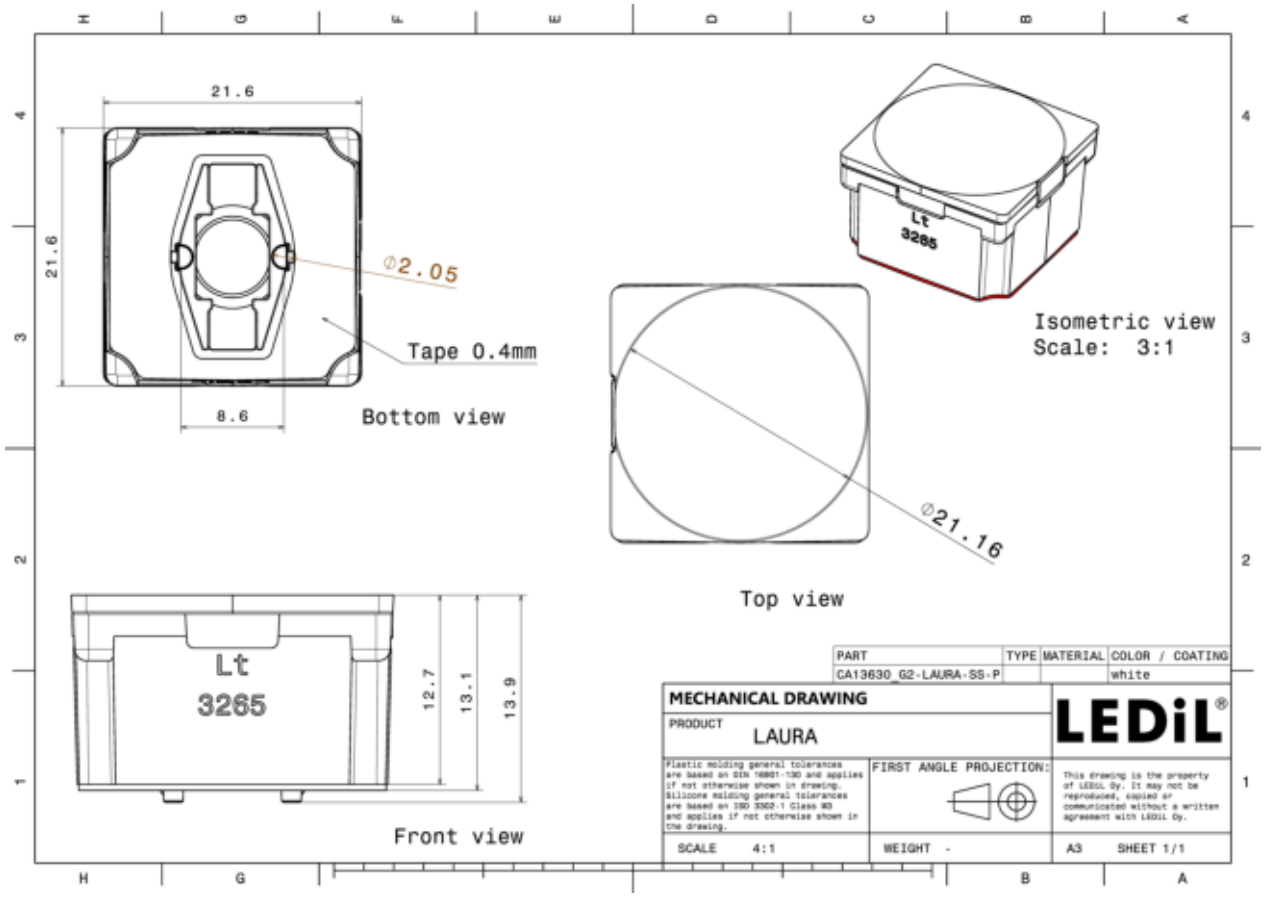
MATERIALS:

Component	Type	Material	Colour	Finish
LAURA-SS	Single lens	PMMA		
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)
CA13630_G2-LAURA-SS-P	Single lens		360	180	6.0
» Box size:					

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

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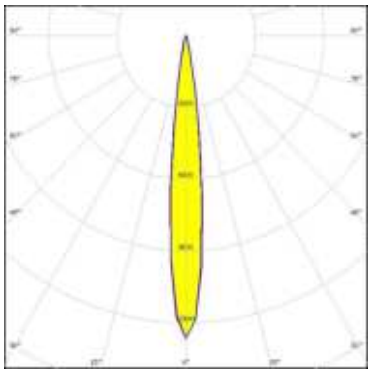
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XB-D
FWHM / FWTM	13.0° / 24.0°
Efficiency	88 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



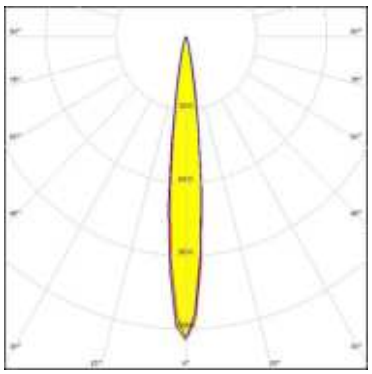


CREE LEDs

LED	XB-H
FWHM / FWTM	13.0° / 25.0°
Efficiency	90 %
Peak intensity	13.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





CREE LEDs

LED	XP-E
FWHM / FWTM	11.0° / 19.0°
Efficiency	93 %
Peak intensity	16.5 cd/lm
LEDs/each optic	1
Light colour	White

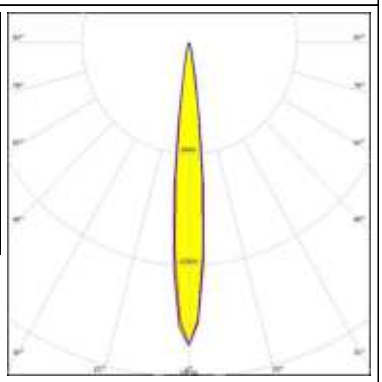
Required components:

CREE LEDs

LED	XP-E2
FWHM / FWTM	12.0° / 21.0°
Efficiency	90 %
Peak intensity	17.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





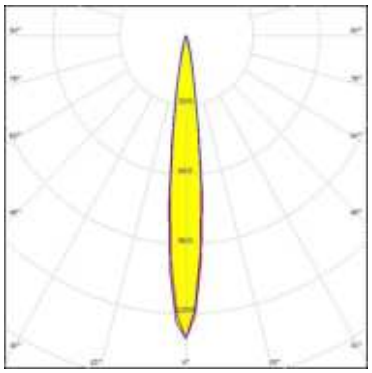
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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-G2
FWHM / FWTM	13.0° / 24.0°
Efficiency	90 %
Peak intensity	14 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

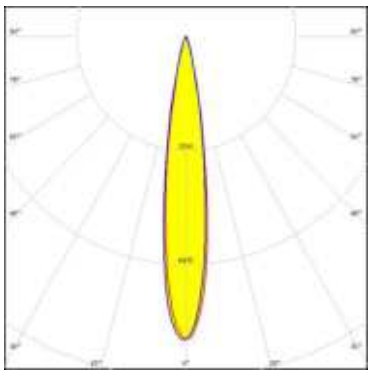




CREE LEDs

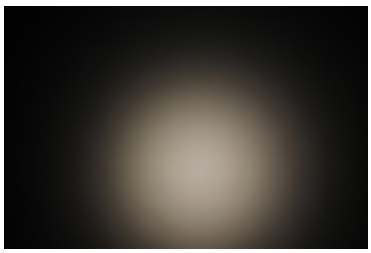
LED	XP-L HD
FWHM / FWTM	16.0° / 30.0°
Efficiency	89 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

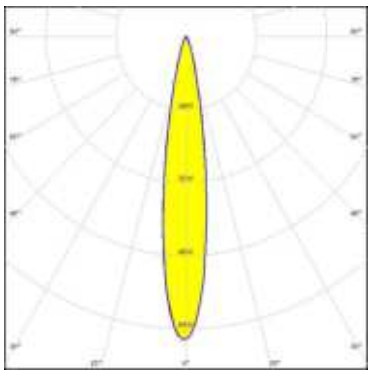




CREE LEDs

LED	XP-L2
FWHM / FWTM	17.0° / 34.0°
Efficiency	88 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

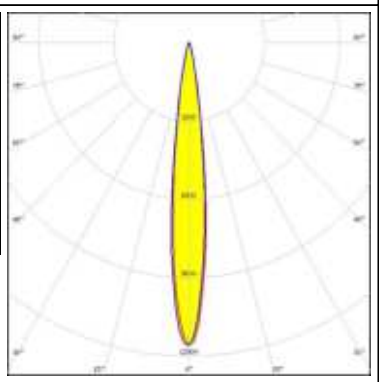




CREE LEDs

LED	XT-E
FWHM / FWTM	13.0° / 25.0°
Efficiency	90 %
Peak intensity	12.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



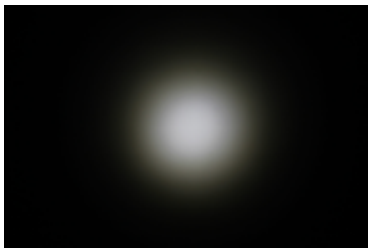


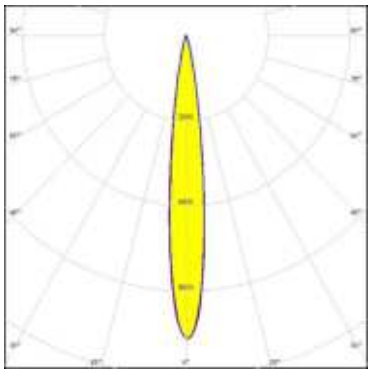
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OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	13.0° / 26.0°
Efficiency	91 %
Peak intensity	11.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

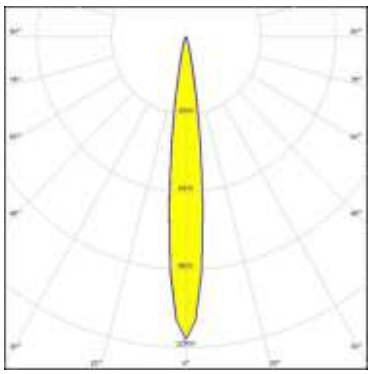




LUMILEDS

LED	LUXEON TX
FWHM / FWTM	14.0° / 26.0°
Efficiency	90 %
Peak intensity	12.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

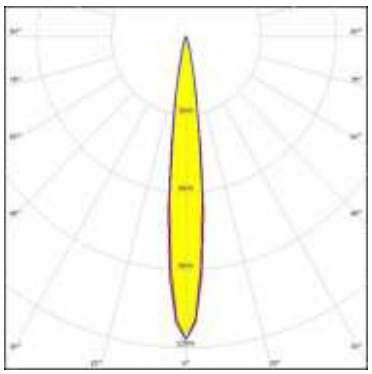




NICHIA

LED	NCSxx19A
FWHM / FWTM	14.0° / 26.0°
Efficiency	91 %
Peak intensity	12.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

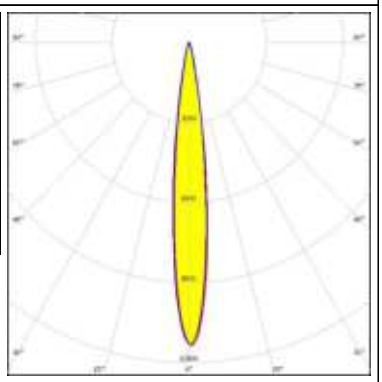




NICHIA

LED	NVSW219D
FWHM / FWTM	13.0° / 25.0°
Efficiency	94 %
Peak intensity	12.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





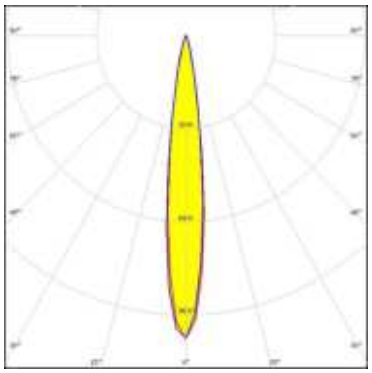
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OPTICAL RESULTS (MEASURED):

NICHIA

LED	NVSxx19A
FWHM / FWTM	15.0° / 28.0°
Efficiency	88 %
Peak intensity	10.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

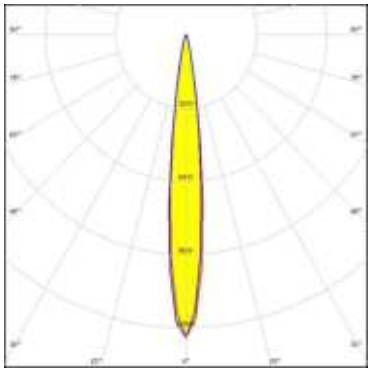
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	14.0° / 27.0°
Efficiency	89 %
Peak intensity	11.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM

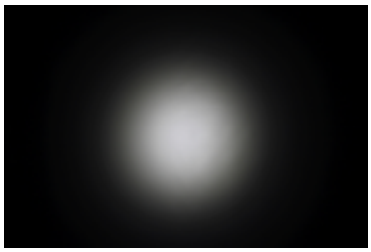
LED	OSLON Square EC
FWHM / FWTM	13.0° / 25.0°
Efficiency	90 %
Peak intensity	13.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

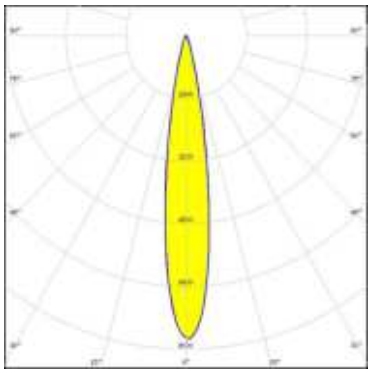




SAMSUNG

LED	LH351D
FWHM / FWTM	17.0° / 32.0°
Efficiency	94 %
Peak intensity	7.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



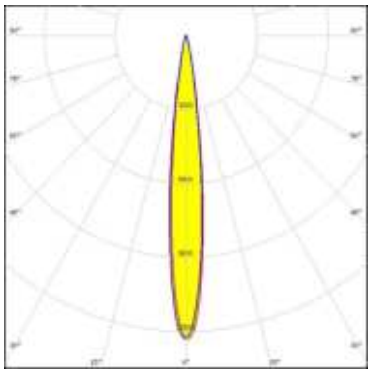


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OPTICAL RESULTS (MEASURED):

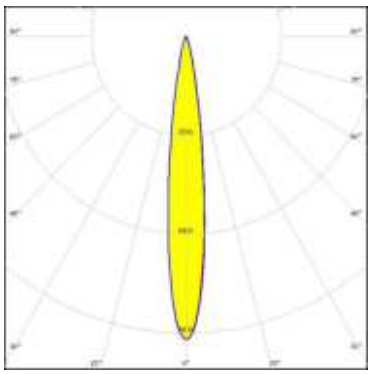
LED	Z5M1/Z5M2
FWHM / FWTM	12.0° / 24.0°
Efficiency	90 %
Peak intensity	13.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





LED	Z5M3
FWHM / FWTM	14.0° / 28.0°
Efficiency	94 %
Peak intensity	9.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



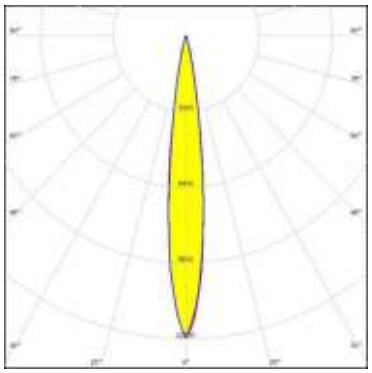


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OPTICAL RESULTS (SIMULATED):

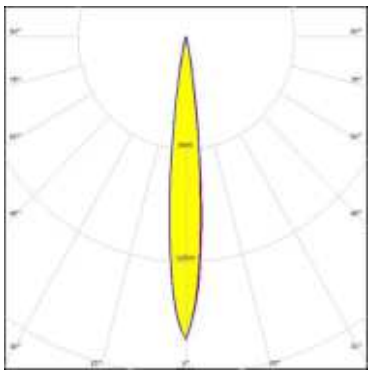
CREE LEDs

LED	XHP35 HI
FWHM / FWTM	14.0° / 26.0°
Efficiency	94 %
Peak intensity	12.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



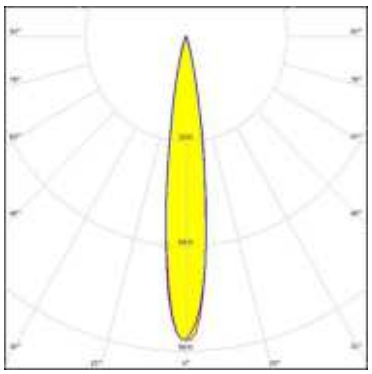
CREE LEDs

LED	XP-E2
FWHM / FWTM	12.0° / 23.0°
Efficiency	95 %
Peak intensity	17.2 cd/lm
LEDs/each optic	1
Light colour	Amber
Required components:	



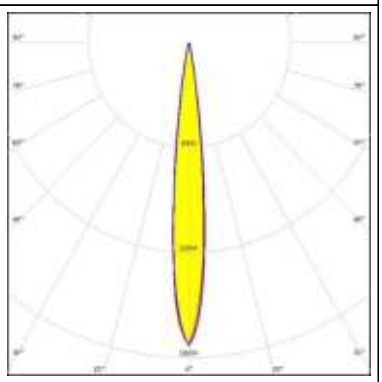
CREE LEDs

LED	XP-G3
FWHM / FWTM	15.0° / 29.0°
Efficiency	93 %
Peak intensity	9.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XQ-E HD
FWHM / FWTM	12.0° / 21.6°
Efficiency	94 %
Peak intensity	18.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

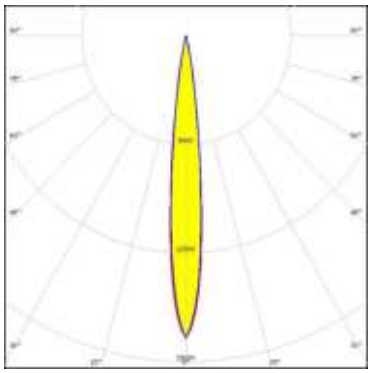


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OPTICAL RESULTS (SIMULATED):

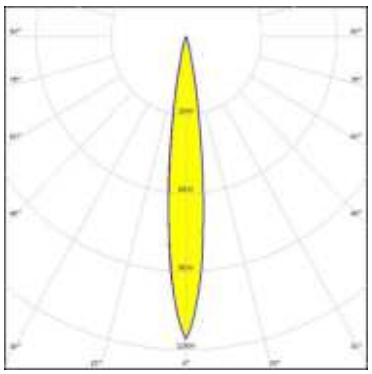
LUMILEDS

LED	LUXEON HL1Z
FWHM / FWTM	12.0° / 22.0°
Efficiency	96 %
Peak intensity	17.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



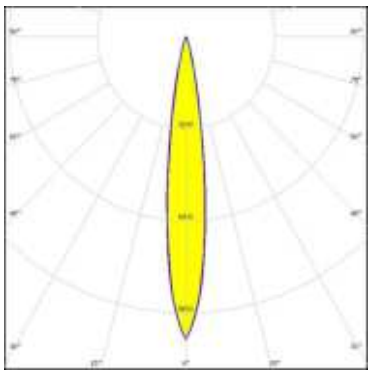
LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	14.0° / 26.0°
Efficiency	94 %
Peak intensity	12.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



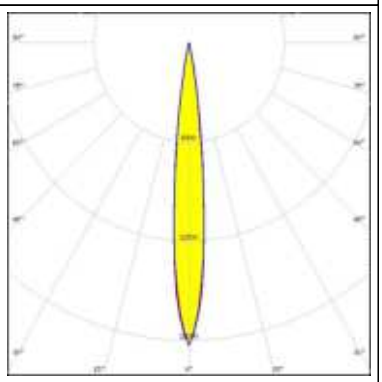
LUMILEDS

LED	LUXEON HL2X-P
FWHM / FWTM	15.0° / 28.0°
Efficiency	94 %
Peak intensity	10.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMINUS

LED	SST-10-UV-X130
FWHM / FWTM	12.0° / 20.0°
Efficiency	96 %
LEDs/each optic	1
Light colour	UV-A
Required components:	

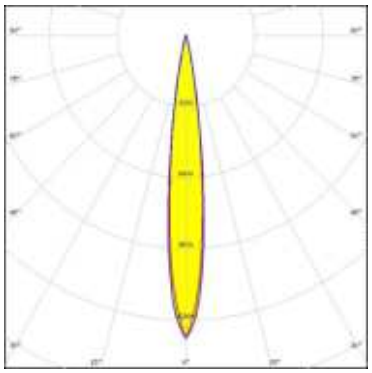


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OPTICAL RESULTS (SIMULATED):

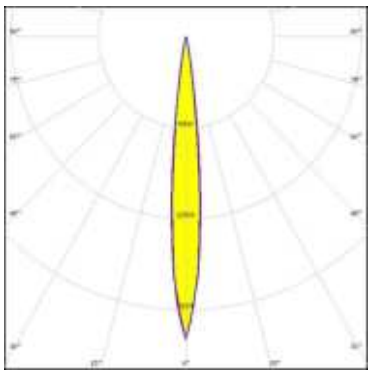
OSRAM

LED	OSLON Black
FWHM / FWTM	13.0° / 25.0°
Efficiency	96 %
Peak intensity	13.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



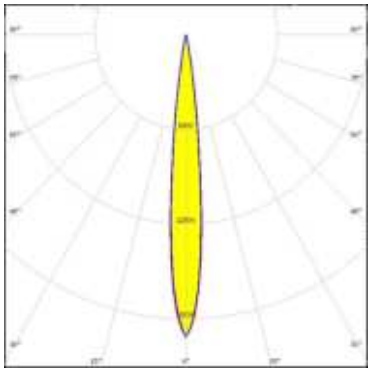
OSRAM

LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	11.0° / 20.0°
Efficiency	94 %
Peak intensity	21.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



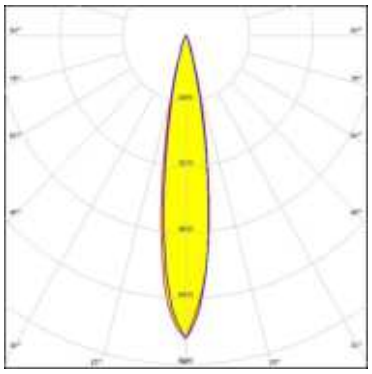
OSRAM

LED	OSLON Signal
FWHM / FWTM	12.0° / 20.0°
Efficiency	96 %
Peak intensity	20.5 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



OSRAM

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	18.0° / 35.0 + 33.0°
Efficiency	96 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



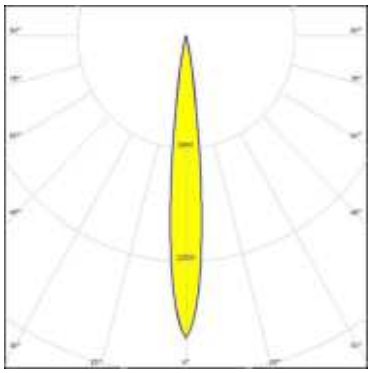
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OPTICAL RESULTS (SIMULATED):

OSRAM

LED	OSLON Square Flat
FWHM / FWTM	12.0° / 22.0°
Efficiency	94 %
Peak intensity	17.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



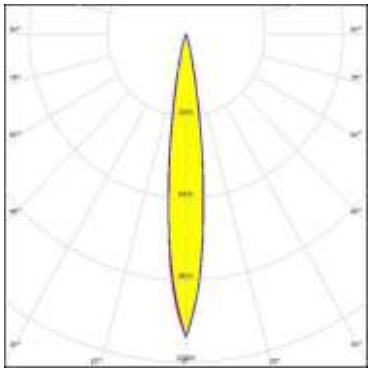


OSRAM

LED	SFH 4770S
FWHM / FWTM	13.0° / 28.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	13.0° / 26.0°
Efficiency	97 %
Peak intensity	11.9 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:

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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Distribution Partners
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