

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 ⓘ

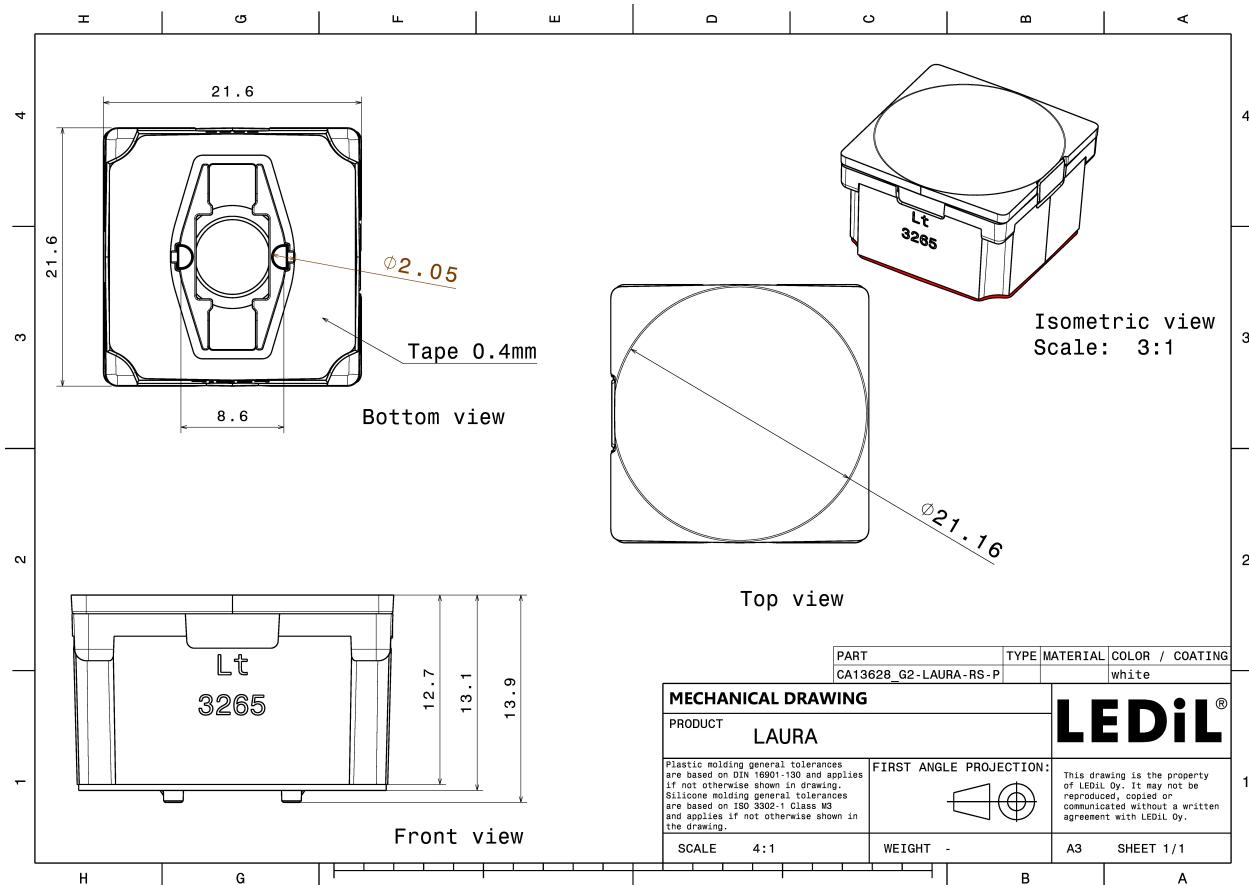


MATERIALS:

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

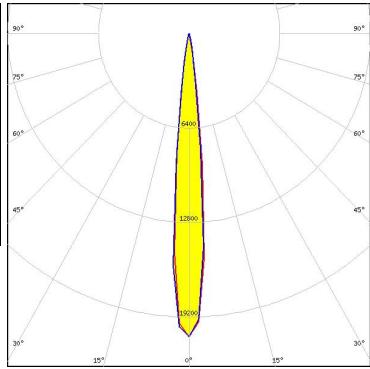


See also our general installation guide: www.ledil.com/installation_guide

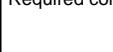
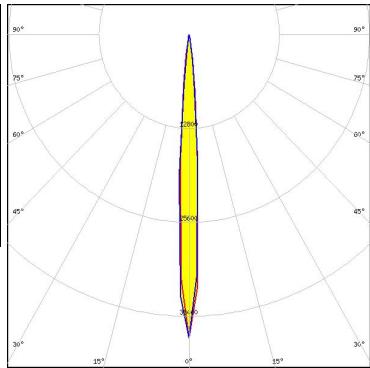
OPTICAL RESULTS (MEASURED):



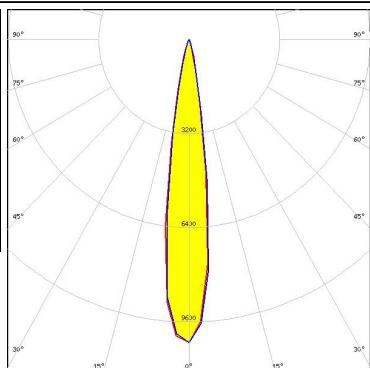
LED XB-H
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 91 %
 Peak intensity 20.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



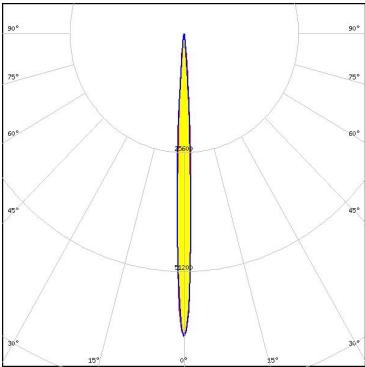
LED XP-E2
 FWHM / FWTM 8.0° / 15.0°
 Efficiency 91 %
 Peak intensity 41.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



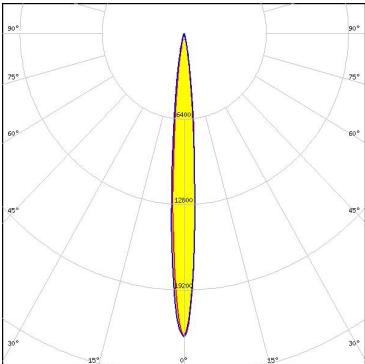
OPTICAL RESULTS (MEASURED):



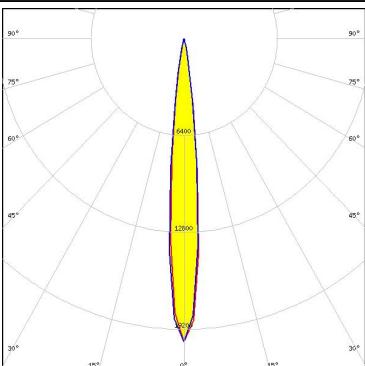
LED XQ-E HI
FWHM / FWTM 5.0° / 11.0°
Efficiency 94 %
Peak intensity 65.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



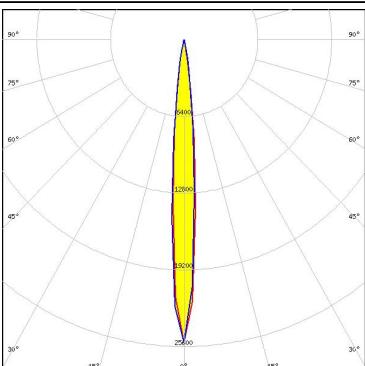
LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 9.0° / 20.0°
Efficiency 92 %
Peak intensity 22.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



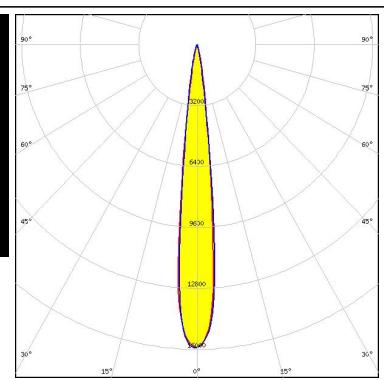
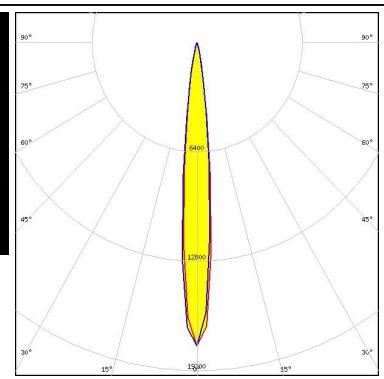
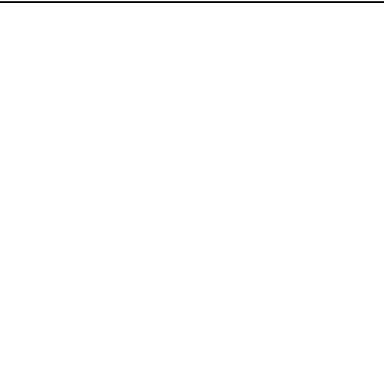
LED LUXEON TX
FWHM / FWTM 11.0° / 21.0°
Efficiency 90 %
Peak intensity 20 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:



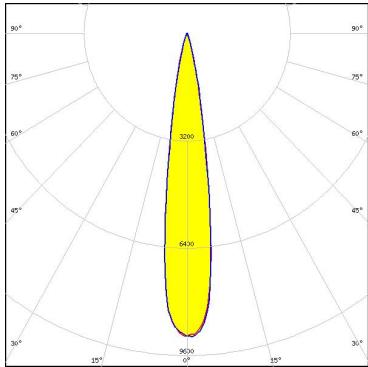
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>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:</p>		
<p>NICHIA</p> <p>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:</p>		
<p>NICHIA</p> <p>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:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED PLPVEC2 850A FWHM / FWTM 6.0° / 14.0° Efficiency % LEDs/each optic 1 Light colour IR Required components:</p>		

OPTICAL RESULTS (MEASURED):

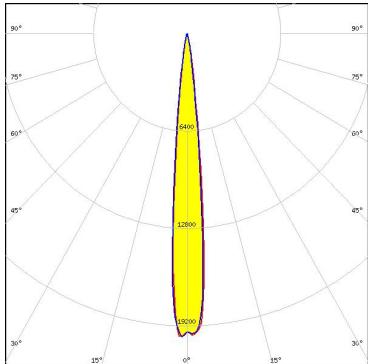
SAMSUNG

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



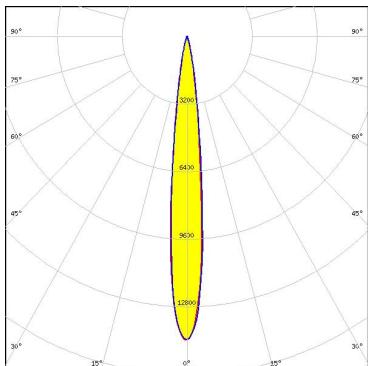
SEOUL SEMICONDUCTOR

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:

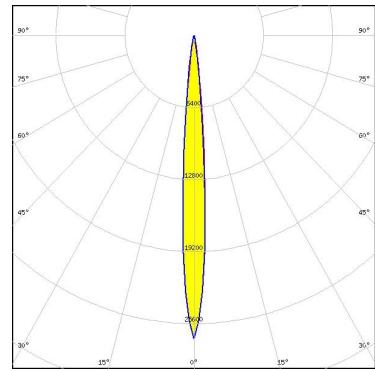


OPTICAL RESULTS (SIMULATED):



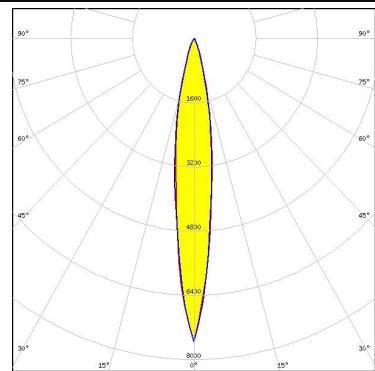
LED	XD16
FWHM / FWTM	9.0° / 18.0°
Efficiency	93 %
Peak intensity	27 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



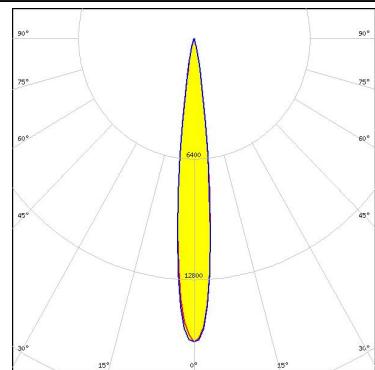
LED	XHP35 HD
FWHM / FWTM	14.0° / 35.0°
Efficiency	94 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



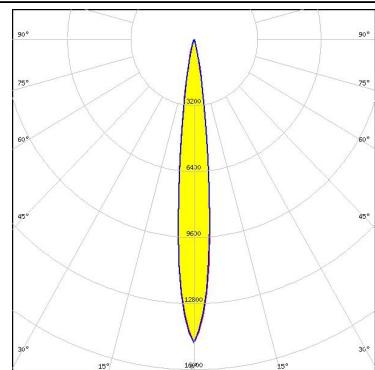
LED	XHP35 HI
FWHM / FWTM	12.0° / 23.0°
Efficiency	94 %
Peak intensity	16.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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

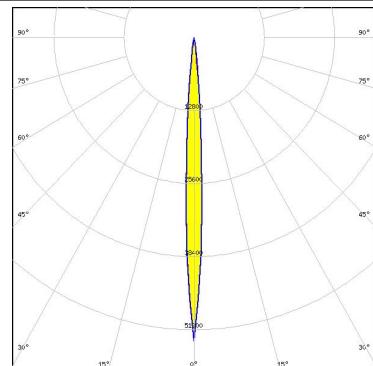
Required components:



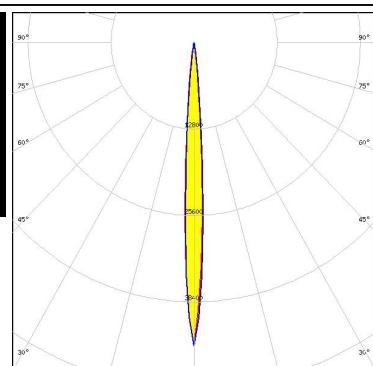
OPTICAL RESULTS (SIMULATED):



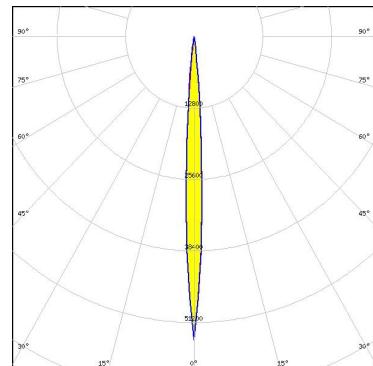
LED XP-P
FWHM / FWTM 6.0° / 14.0°
Efficiency 94 %
Peak intensity 53.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



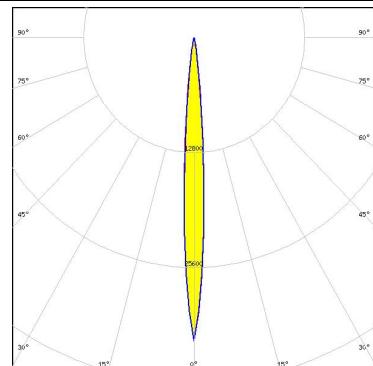
LED XQ-E HD
FWHM / FWTM 6.9° / 14.5°
Efficiency 94 %
Peak intensity 44.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:



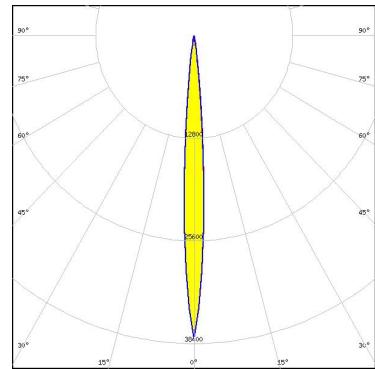
LED LUXEON HL1Z
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 33.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

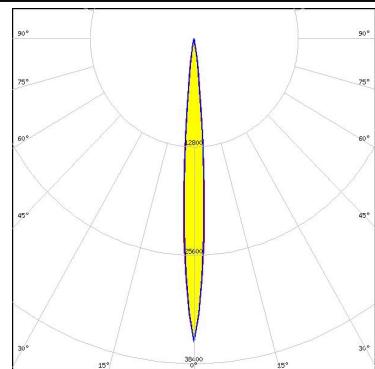
LUMILEDS

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:



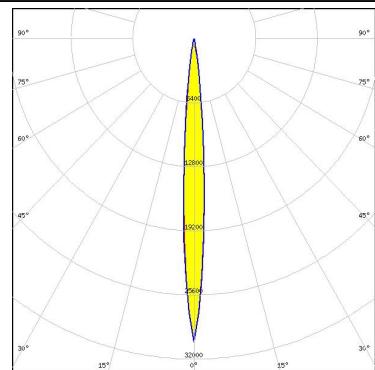
LUMINUS

LED SST-10-UV-X130
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 95 %
 LEDs/each optic 1
 Light colour UV-A
 Required components:



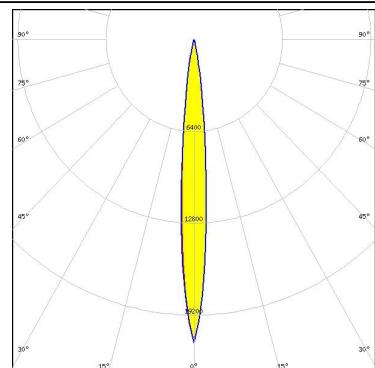
NICHIA

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:



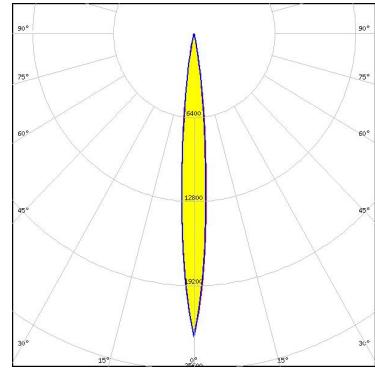
OPTICAL RESULTS (SIMULATED):

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:

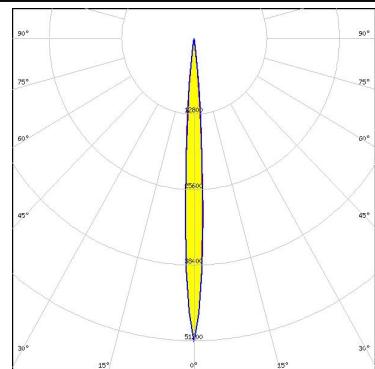


OSRAM

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:

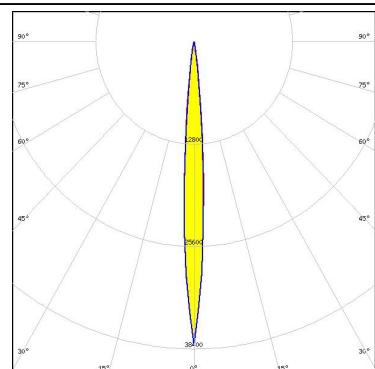


OSRAM

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:

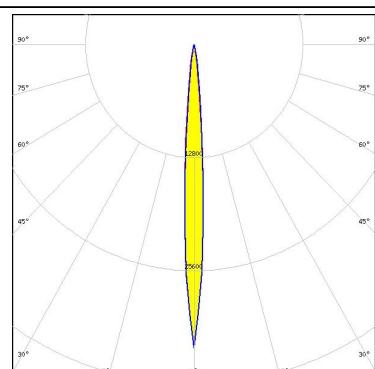


OSRAM

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:



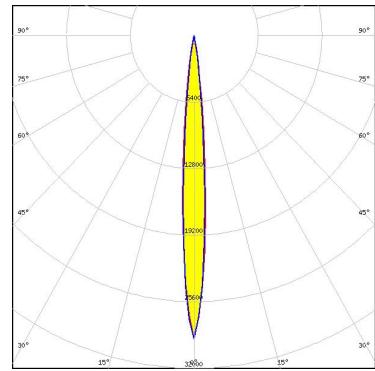
OPTICAL RESULTS (SIMULATED):

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:



OSRAM

Opto Semiconductors

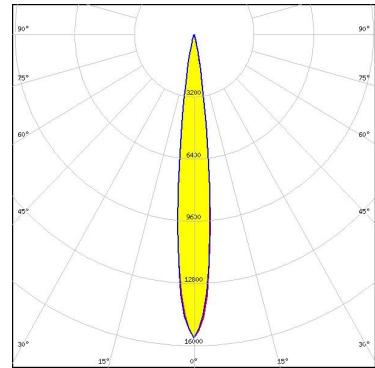
LED	SFH 4770S
FWHM / FWTM	10.0° / 23.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White

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

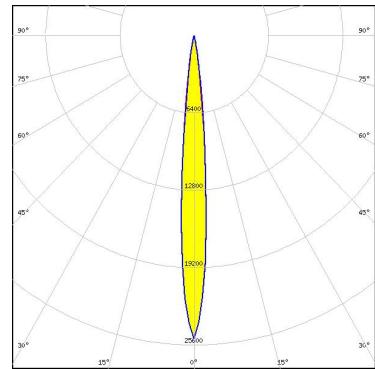
Required components:



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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