

## LISA3-O-PIN

~15° x 50° oval beam with location pin installation

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 10.0 mm
Height	7.9 mm
Fastening	glue
ROHS compliant	yes ⓘ

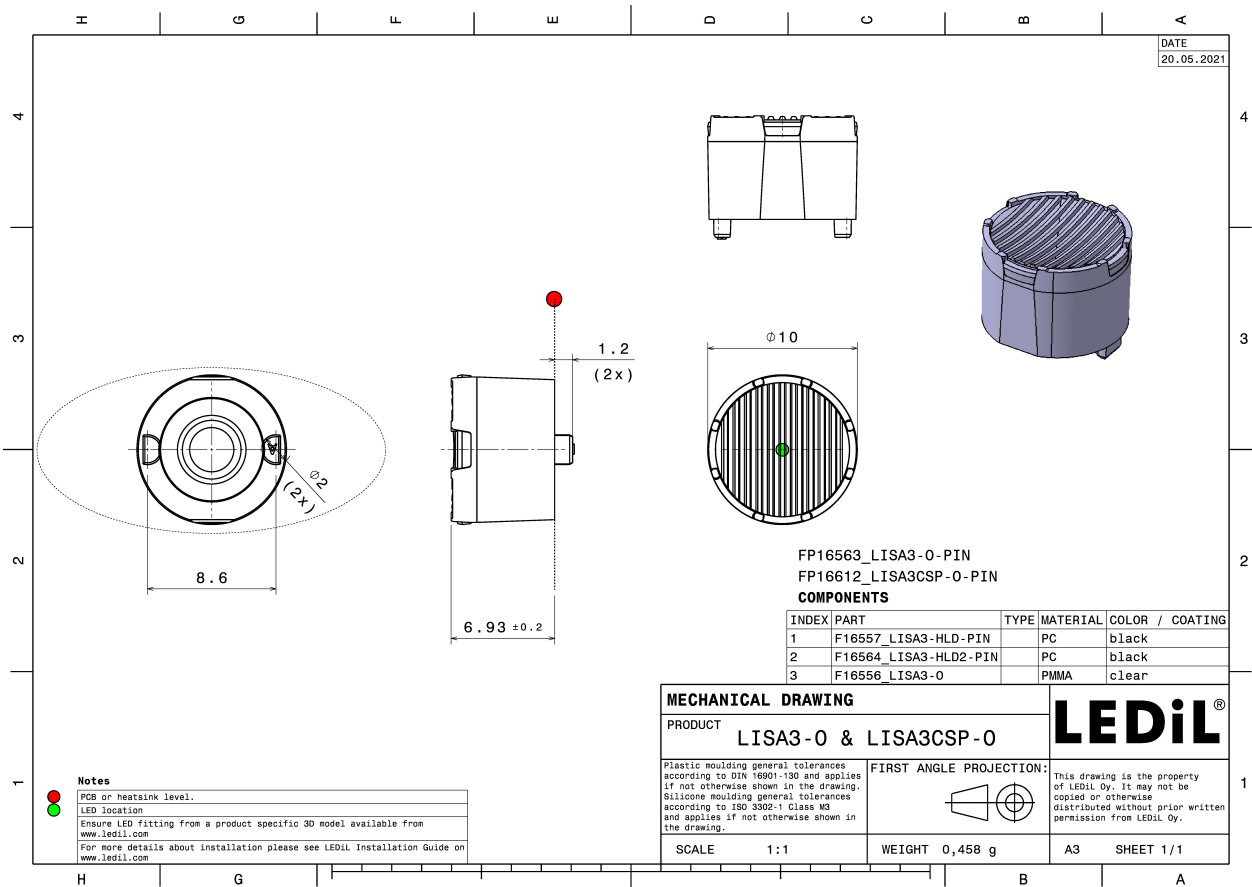


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LISA3-O	Single lens	PMMA	clear	
LISA3-HLD-PIN	Holder	PC	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16563_LISA3-O-PIN	Single lens	2000	300	100	1.3
» Box size: 310 x 230 x 60 mm					

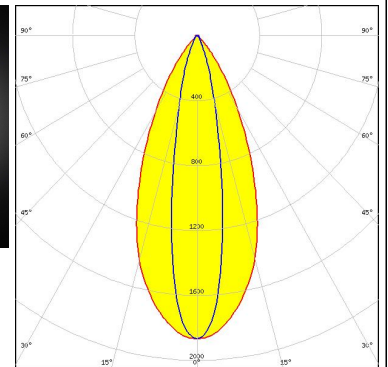
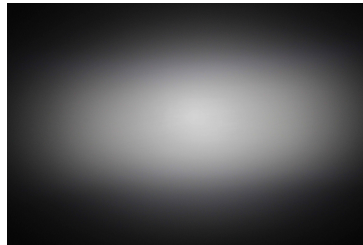


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

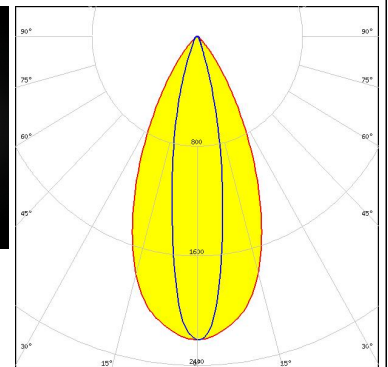
#### PHOTOMETRIC DATA (MEASURED):



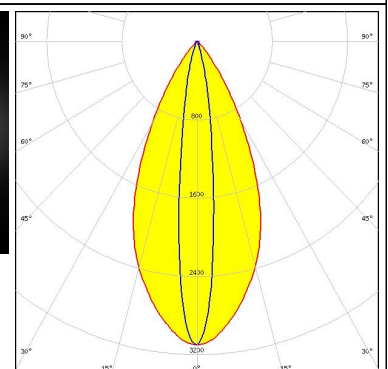
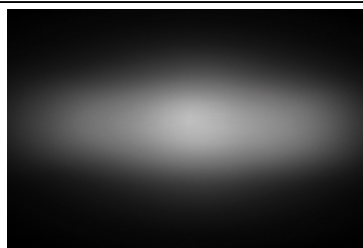
LED XD16  
 FWHM / FWTM 45.0 + 20.0° / 78.0 + 43.0°  
 Efficiency 65 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



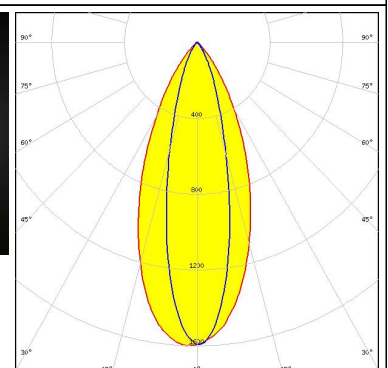
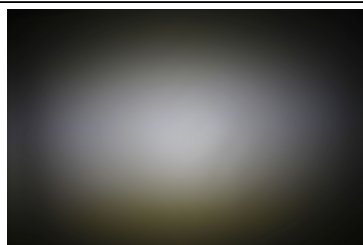
LED XP-E2  
 FWHM / FWTM 48.0 + 20.0° / 79.0 + 41.0°  
 Efficiency 78 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON CZ  
 FWHM / FWTM 49.0 + 14.0° / 76.0 + 31.0°  
 Efficiency 76 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



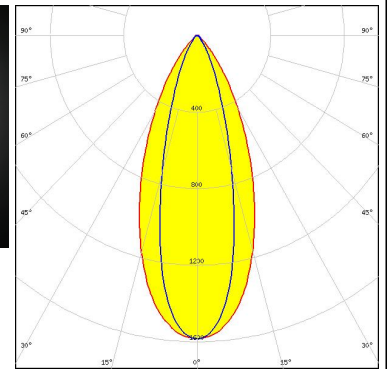
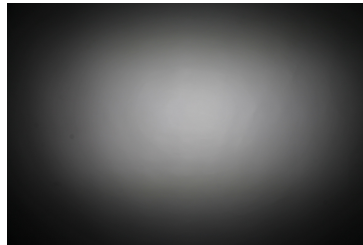
LED NF2x757G  
 FWHM / FWTM 33.0° / 64.0°  
 Efficiency 66 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



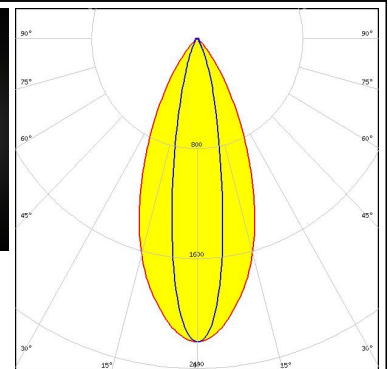
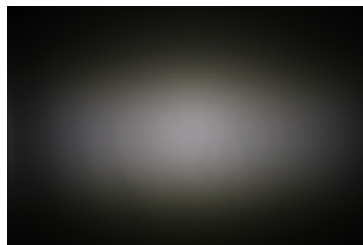
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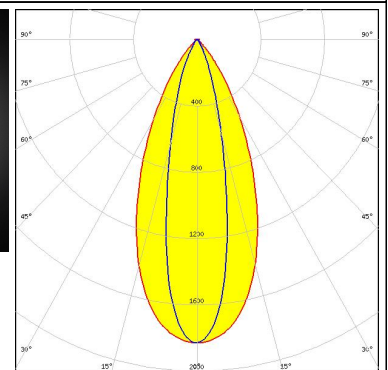
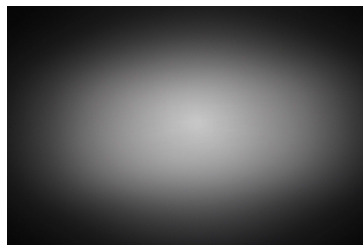
LED NVSW219F  
 FWHM / FWTM 45.0 + 29.0° / 81.0 + 58.0°  
 Efficiency 77 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



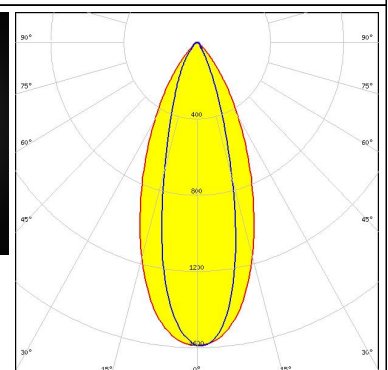
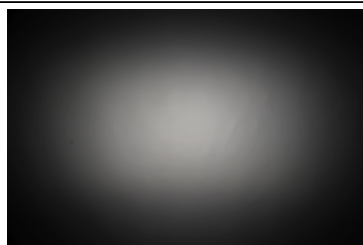
LED OSCONIQ C 2424  
 FWHM / FWTM 44.0 + 20.0° / 77.0 + 43.0°  
 Efficiency 74 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 46.0 + 24.0° / 80.0 + 50.0°  
 Efficiency 75 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LH351C  
 FWHM / FWTM 45.0 + 28.0° / 81.0 + 59.0°  
 Efficiency 77 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





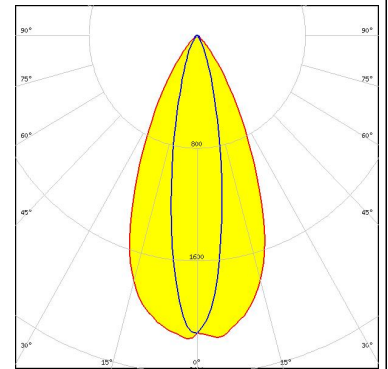
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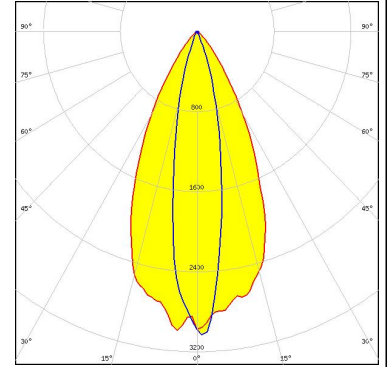
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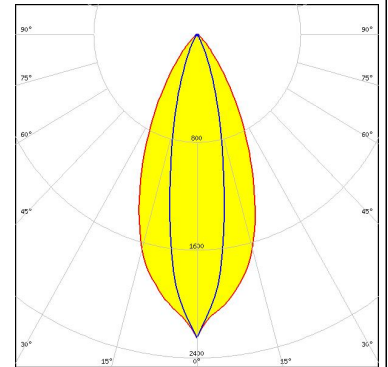
LED J Series 2835  
 FWHM / FWTM 48.0 + 20.0° / 78.0 + 44.0°  
 Efficiency 82 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



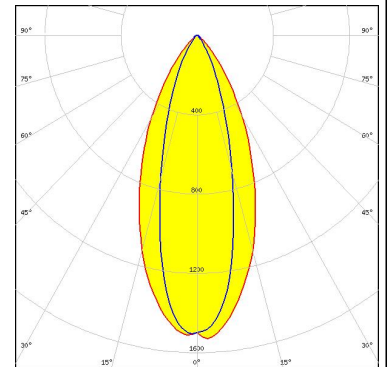
LED XP-E  
 FWHM / FWTM 17.0 + 48.0° / 36.0 + 74.0°  
 Efficiency 85 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G2  
 FWHM / FWTM 46.0 + 22.0° / 78.0 + 46.0°  
 Efficiency 83 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



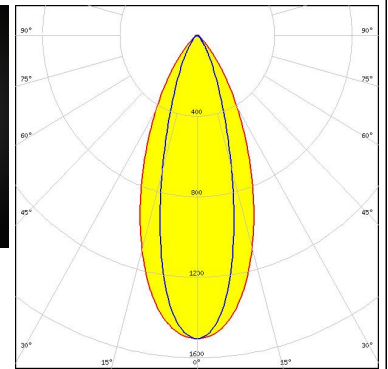
LED XP-G2 HE  
 FWHM / FWTM 46.0 + 29.0° / 84.0 + 61.0°  
 Efficiency 77 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



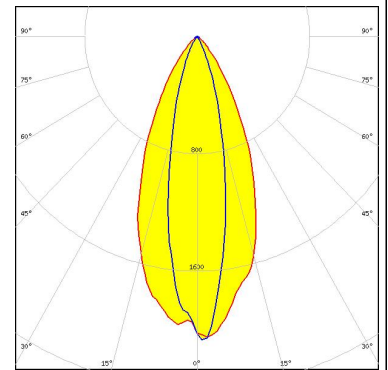
#### PHOTOMETRIC DATA (SIMULATED):



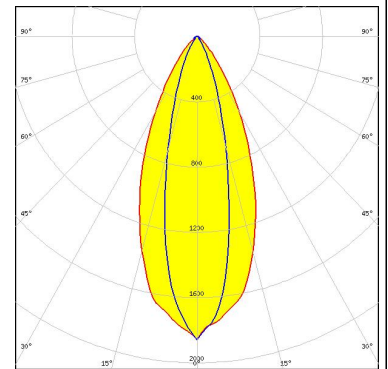
LED XP-G3  
 FWHM / FWTM 44.0 + 29.0° / 81.0 + 59.0°  
 Efficiency 73 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



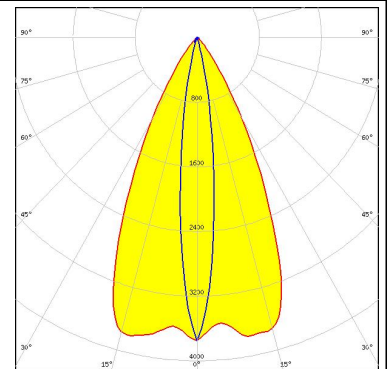
LED LUXEON TX  
 FWHM / FWTM 22.0 + 46.0° / 46.0 + 80.0°  
 Efficiency 80 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON V2  
 FWHM / FWTM 25.0 + 47.0° / 53.0 + 81.0°  
 Efficiency 83 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



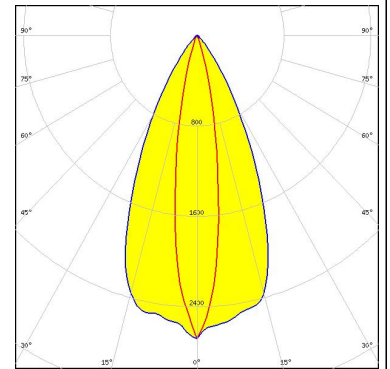
LED LUXEON Z  
 FWHM / FWTM 12.0 + 50.0° / 25.0 + 74.0°  
 Efficiency 84 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



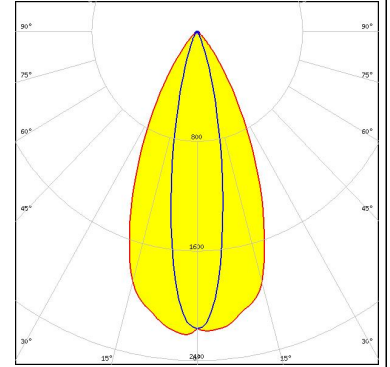
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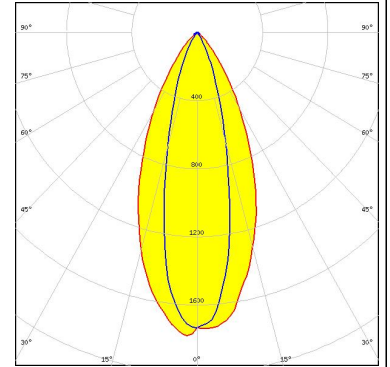
LED LUXEON Z ES  
 FWHM / FWTM 17.0 + 49.0° / 34.0 + 76.0°  
 Efficiency 84 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



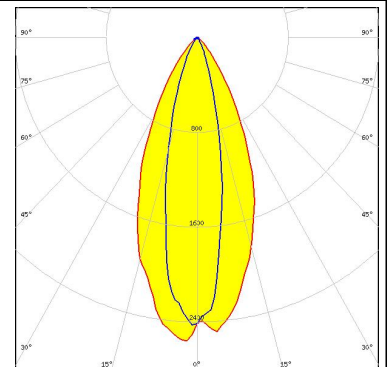
LED SST-20  
 FWHM / FWTM 48.0 + 20.0° / 78.0 + 41.0°  
 Efficiency 81 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 25.0 + 45.0° / 52.0 + 81.0°  
 Efficiency 78 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Duris S5 (2 chip)  
 FWHM / FWTM 20.0 + 45.0° / 40.0 + 75.0°  
 Efficiency 80 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

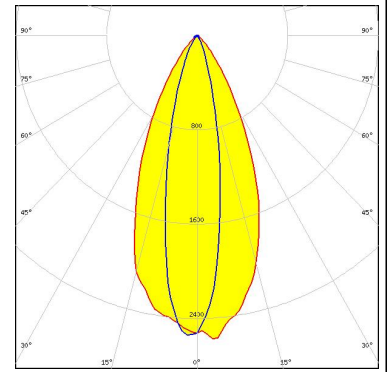


#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

Opto Semiconductors

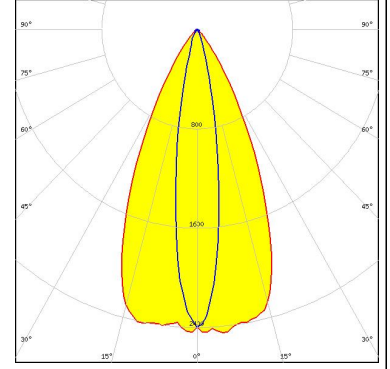
LED Duris S5 (Single chip)  
 FWHM / FWTM 19.0 + 45.0° / 40.0 + 75.0°  
 Efficiency 79 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

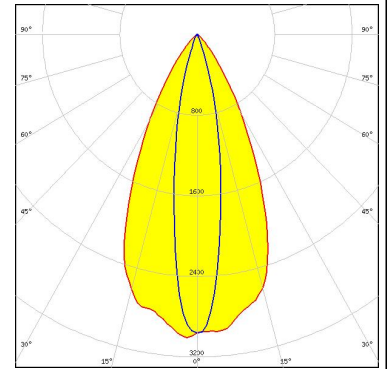
LED OSCONIQ P 3030  
 FWHM / FWTM 50.0 + 17.0° / 75.0 + 34.0°  
 Efficiency 79 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

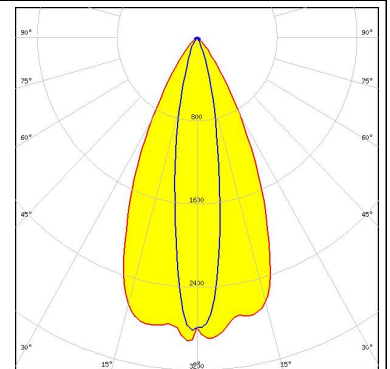
LED OSLOM SSL 150  
 FWHM / FWTM 16.5 + 48.0° / 36.0 + 76.0°  
 Efficiency 83 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

LED OSLOM SSL 80  
 FWHM / FWTM 16.0 + 45.0° / 38.0 + 72.0°  
 Efficiency 81 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

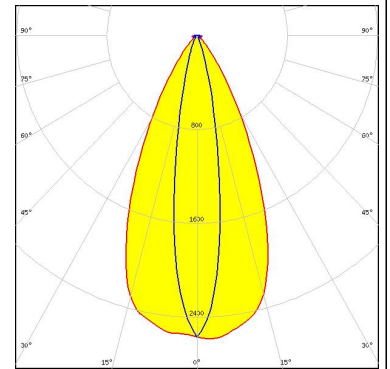


#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

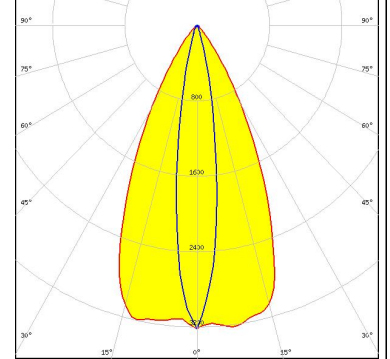
Opto Semiconductors

LED SYNIOS S2222 (KW DDLM31)  
 FWHM / FWTM 50.0 + 18.0° / 77.0 + 36.0°  
 Efficiency 95 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



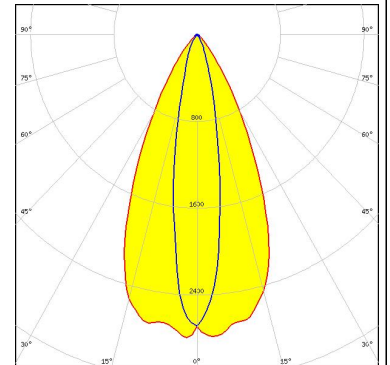
##### SAMSUNG

LED LM101B  
 FWHM / FWTM 14.5 + 50.0° / 29.0 + 72.0°  
 Efficiency 81 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



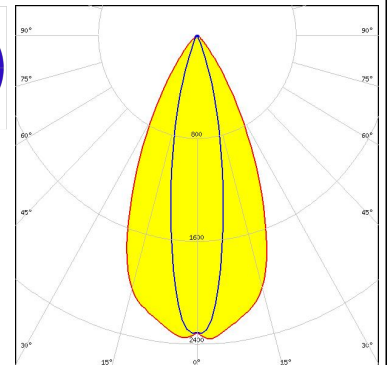
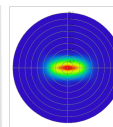
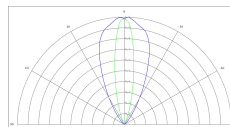
##### SAMSUNG

LED LM301A  
 FWHM / FWTM 16.0 + 50.0° / 40.0 + 75.0°  
 Efficiency 81 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### STANLEY

LED FWR1108MS  
 FWHM / FWTM 48.0 + 20.0° / 76.0 + 40.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:

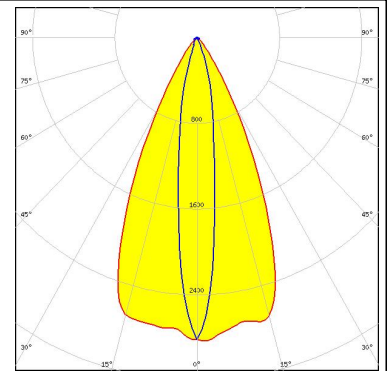




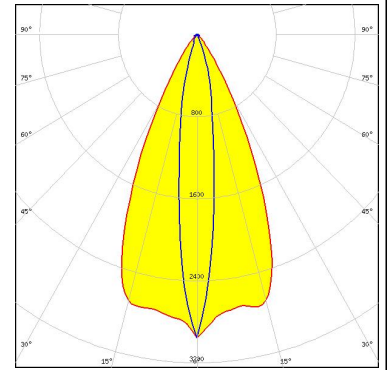
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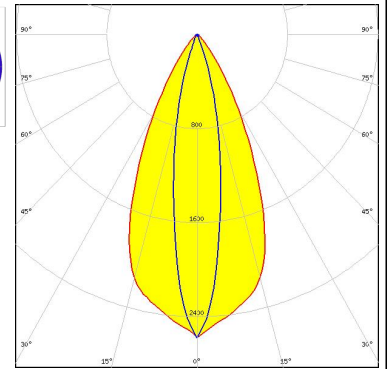
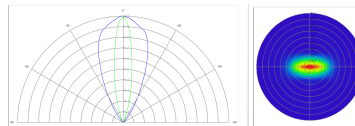
LED MFN1108MS  
 FWHM / FWTM 50.0 + 14.0° / 72.0 + 37.0°  
 Efficiency 84 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour IR  
 Required components:



LED MGN1108MS  
 FWHM / FWTM 50.0 + 14.0° / 72.0 + 36.0°  
 Efficiency 84 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour IR  
 Required components:



LED MJN1108MS  
 FWHM / FWTM 48.0 + 19.0° / 76.0 + 39.0°  
 Efficiency 85 %  
 LEDs/each optic 1  
 Light colour IR  
 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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P.R.CHINA

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