

LISA3-WWW-PIN

~60° wide beam with location pin installation

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	pin
ROHS compliant	yes ⓘ

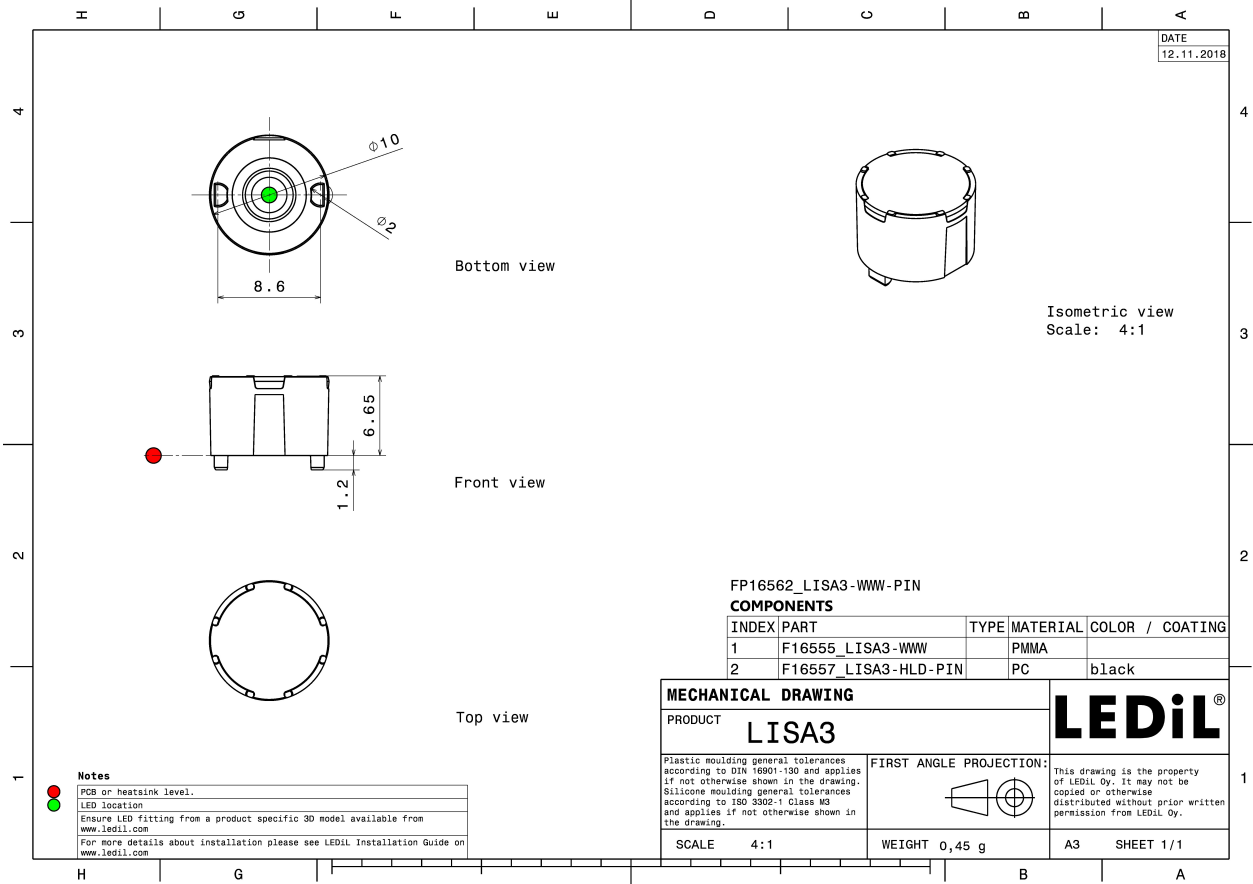
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16562_LISA3-WWW-PIN	Single lens	2000	300	100	1.4
» Box size: 310 x 230 x 60 mm					



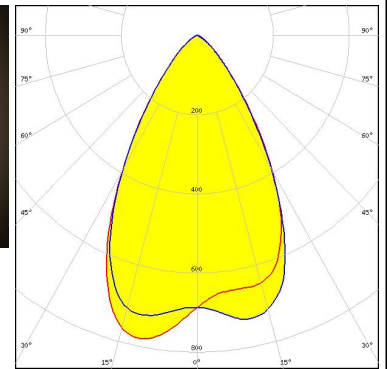
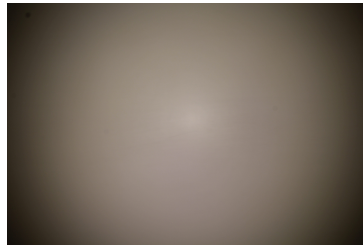


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

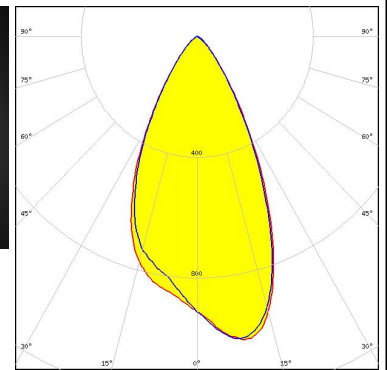
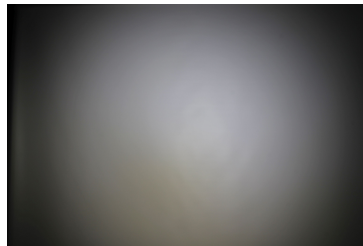
CREE 

LED XP-G3
FWHM / FWTM 61.0° / 95.0°
Efficiency 80 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA 

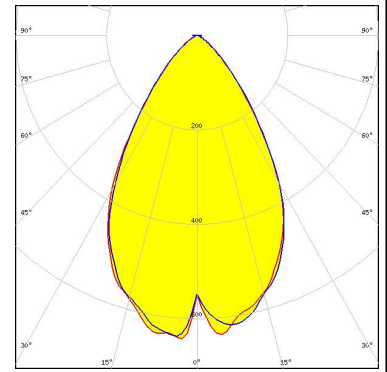
LED NF2x757G
FWHM / FWTM 50.0° / 82.0°
Efficiency 76 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



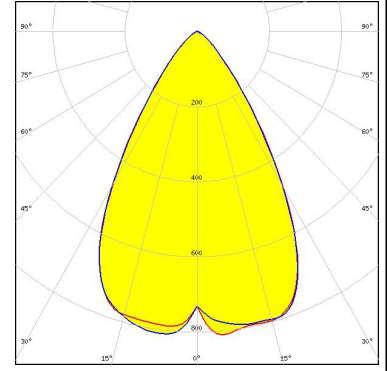
PHOTOMETRIC DATA (SIMULATED):



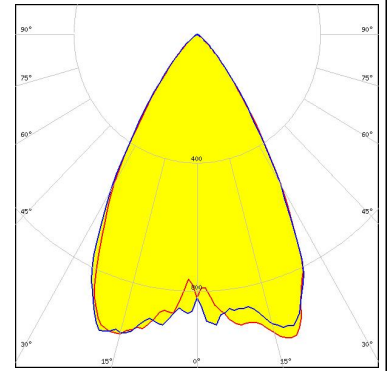
LED XHP35.2
 FWHM / FWTM 64.0° / 99.0°
 Efficiency 74 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



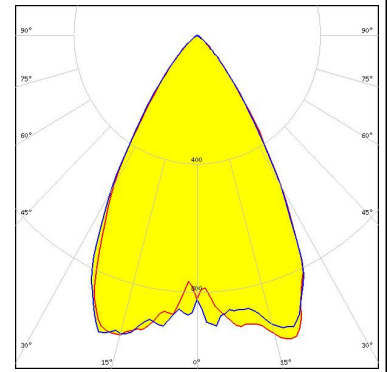
LED XP-E
 FWHM / FWTM 64.0° / 93.0°
 Efficiency 89 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-E2
 FWHM / FWTM 62.0° / 88.0°
 Efficiency 89 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



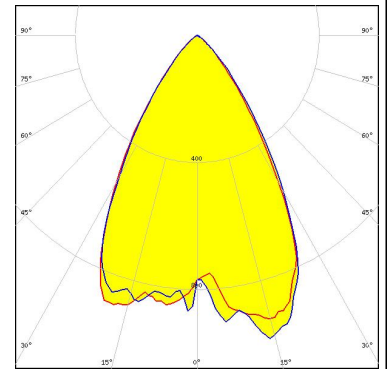
LED XP-E2
 FWHM / FWTM 64.0° / 90.0°
 Efficiency 89 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



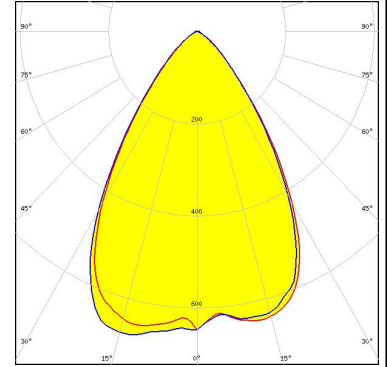
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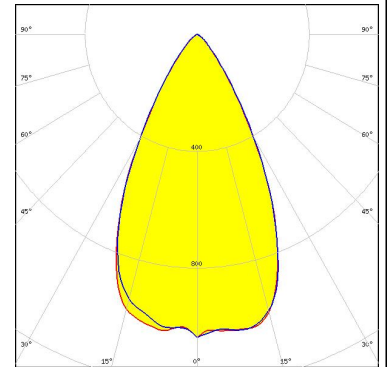
LED XP-G2
 FWHM / FWTM 66.0° / 93.0°
 Efficiency 87 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



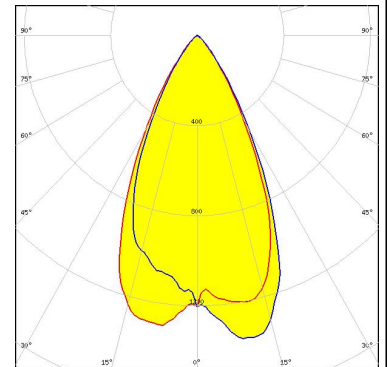
LED XP-G2 HE
 FWHM / FWTM 68.0° / 100.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 2835 Line
 FWHM / FWTM 54.0° / 82.0°
 Efficiency 88 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



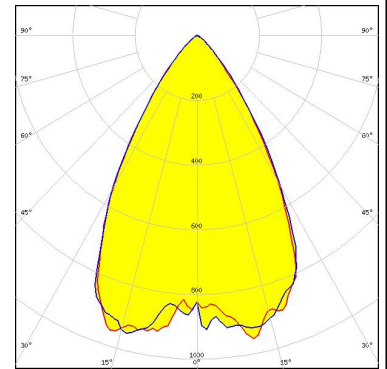
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 54.0° / 79.0°
 Efficiency 85 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

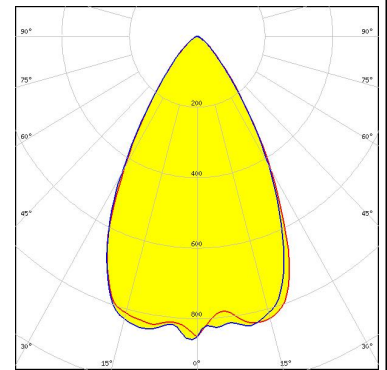
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 62.0° / 87.0°
 Efficiency 85 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



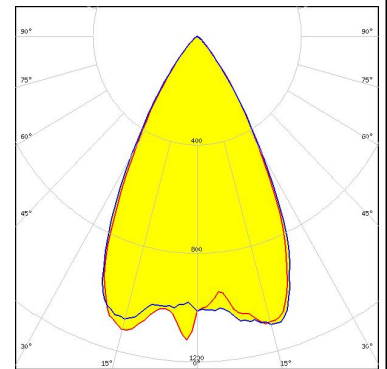
LUMILEDS

LED LUXEON V2
 FWHM / FWTM 60.0° / 92.0°
 Efficiency 88 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



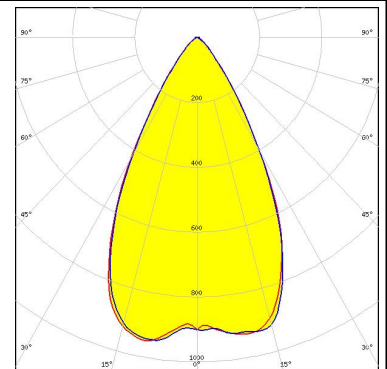
LUMILEDS

LED LUXEON Z
 FWHM / FWTM 58.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMINUS

LED SST-20
 FWHM / FWTM 56.0° / 84.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

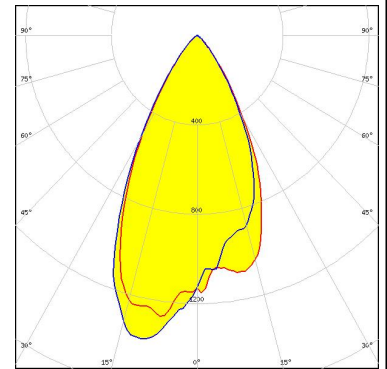
<p>NICHIA</p> <p>LED: NCSxx19B FWHM / FWTM: 60.0° / 88.0° Efficiency: 82 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW219D FWHM / FWTM: 67.0° / 88.0° Efficiency: 84 % Peak intensity: 0.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: 66.0° / 99.0° Efficiency: 84 % Peak intensity: 0.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: 61.0° / 92.0° Efficiency: 83 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

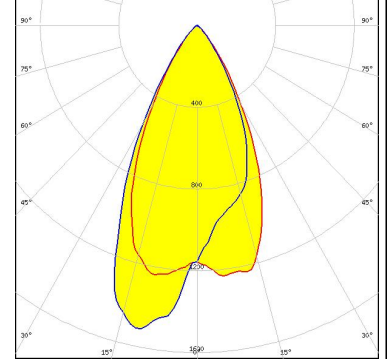
LED Duris S5 (2 chip)
 FWHM / FWTM 49.0° / 77.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

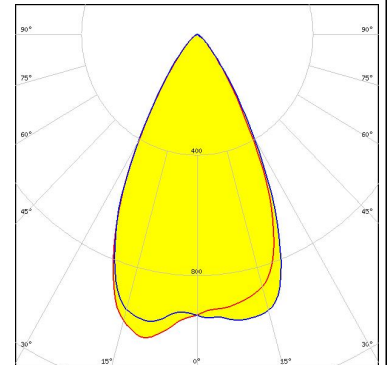
LED Duris S5 (Single chip)
 FWHM / FWTM 48.0° / 76.0°
 Efficiency 86 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

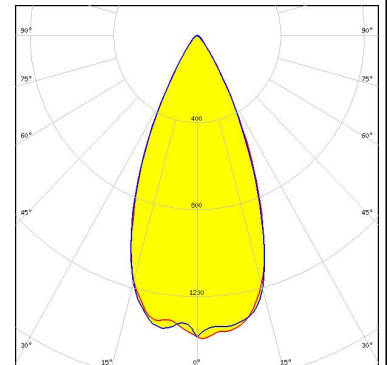
LED OSCONIQ P 3030
 FWHM / FWTM 56.0° / 82.0°
 Efficiency 85 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLOL Black
 FWHM / FWTM 46.0° / 71.0°
 Efficiency 88 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

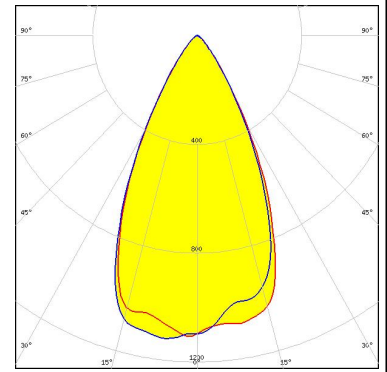


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

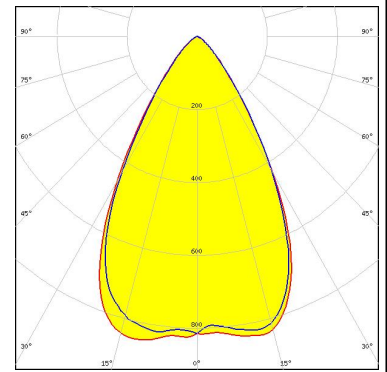
LED OSLON Black Flat
 FWHM / FWTM 54.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



OSRAM

Opto Semiconductors

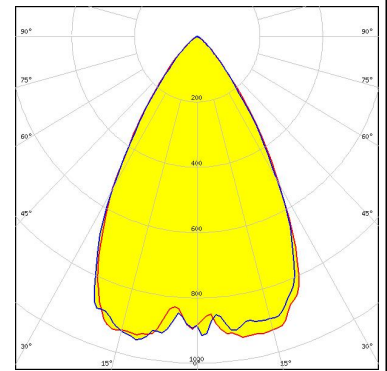
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 61.0° / 90.0°
 Efficiency 87 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

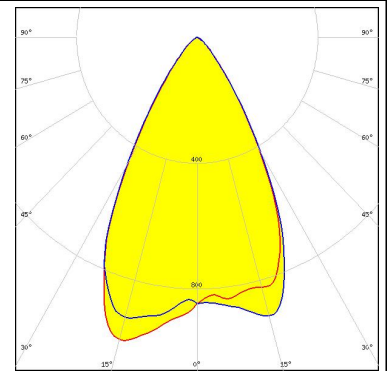
LED OSLON Square EC
 FWHM / FWTM 61.0° / 86.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



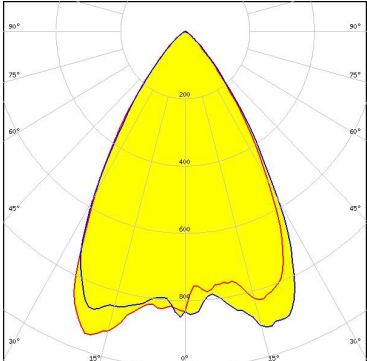
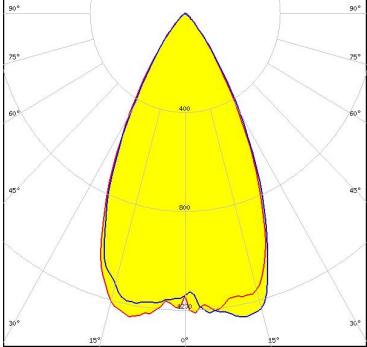
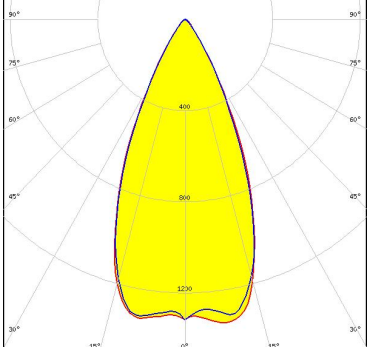
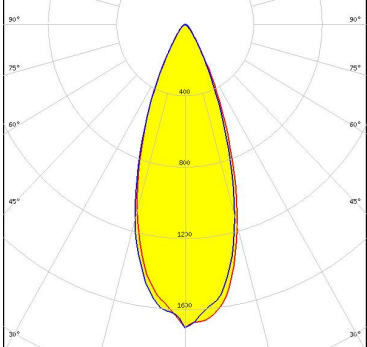
OSRAM

Opto Semiconductors

LED OSLON SSL 120
 FWHM / FWTM 58.0° / 85.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour Amber
 Required components:



PHOTOMETRIC DATA (SIMULATED):

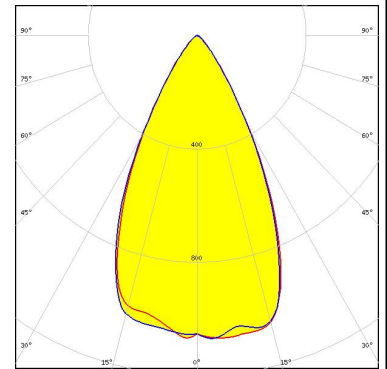
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOL SSL 150</p> <p>FWHM / FWTM 63.0° / 84.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOL SSL 80</p> <p>FWHM / FWTM 53.0° / 79.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4725S</p> <p>FWHM / FWTM 48.0° / 72.0°</p> <p>Efficiency 88 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4727AS</p> <p>FWHM / FWTM 38.0° / 65.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

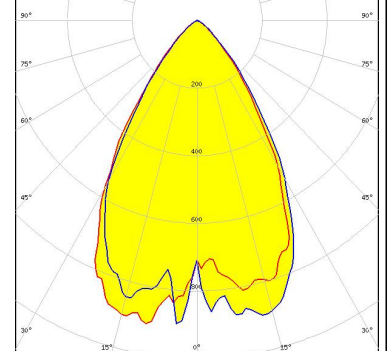
Opto Semiconductors

LED Synios P2720 1 mm
 FWHM / FWTM 54.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



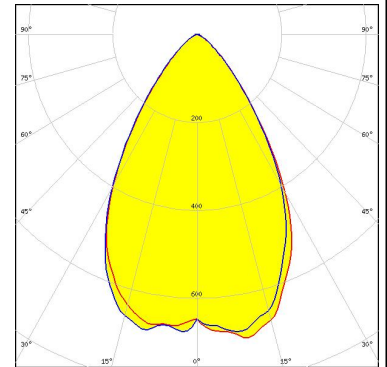
SAMSUNG

LED LH351C
 FWHM / FWTM 62.0° / 88.0°
 Efficiency 84 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



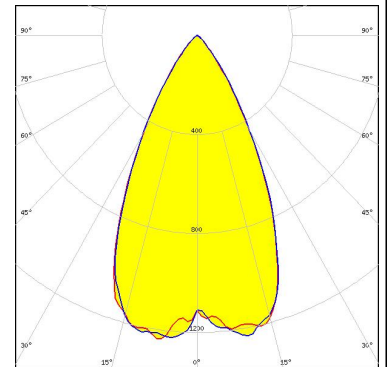
SAMSUNG

LED LH351D
 FWHM / FWTM 65.0° / 100.0°
 Efficiency 81 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

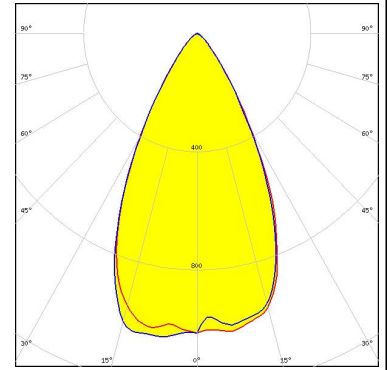
LED LM301A
 FWHM / FWTM 53.0° / 75.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

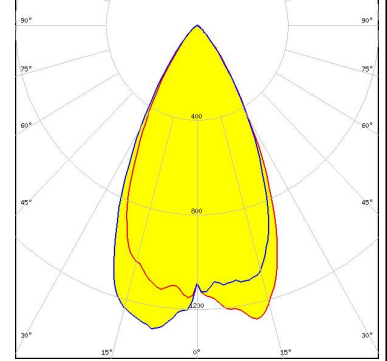
SAMSUNG

LED LM301B
FWHM / FWTM 55.0° / 82.0°
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



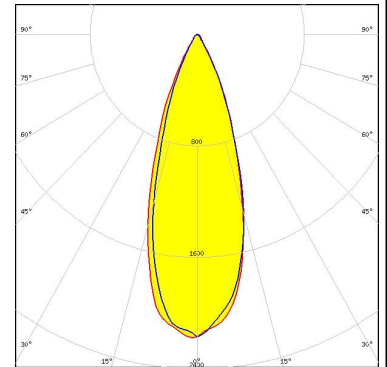
SAMSUNG

LED LM302A
FWHM / FWTM 53.0° / 80.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



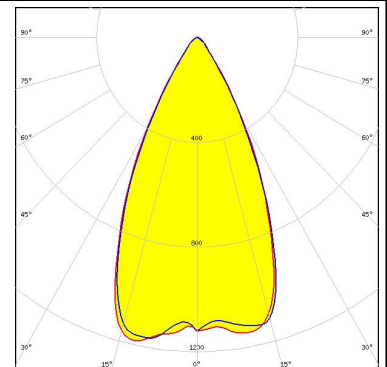
STANLEY

LED MFN1107MS
FWHM / FWTM 35.0° / 60.0°
Efficiency 91 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour IR
Required components:



STANLEY

LED MFN1108MS
FWHM / FWTM 52.0° / 76.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour IR
Required components:



PHOTOMETRIC DATA (SIMULATED):

		
LED	MGN1107MS	
FWHM / FWTM	35.0° / 60.0°	
Efficiency	91 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	IR	
Required components:		
		
LED	MGN1108MS	
FWHM / FWTM	52.0° / 76.0°	
Efficiency	90 %	
Peak intensity	1.2 cd/lm	
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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LEDiL Oy

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where_to_buy](http://www.ledil.com/where_to_buy)

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Hong Kong, China

Distribution Partners

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