

OLGA-RS

~9° spot beam beam. Optimized for high-power 3535 size LED packages. Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 32.0 mm
Height	19.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

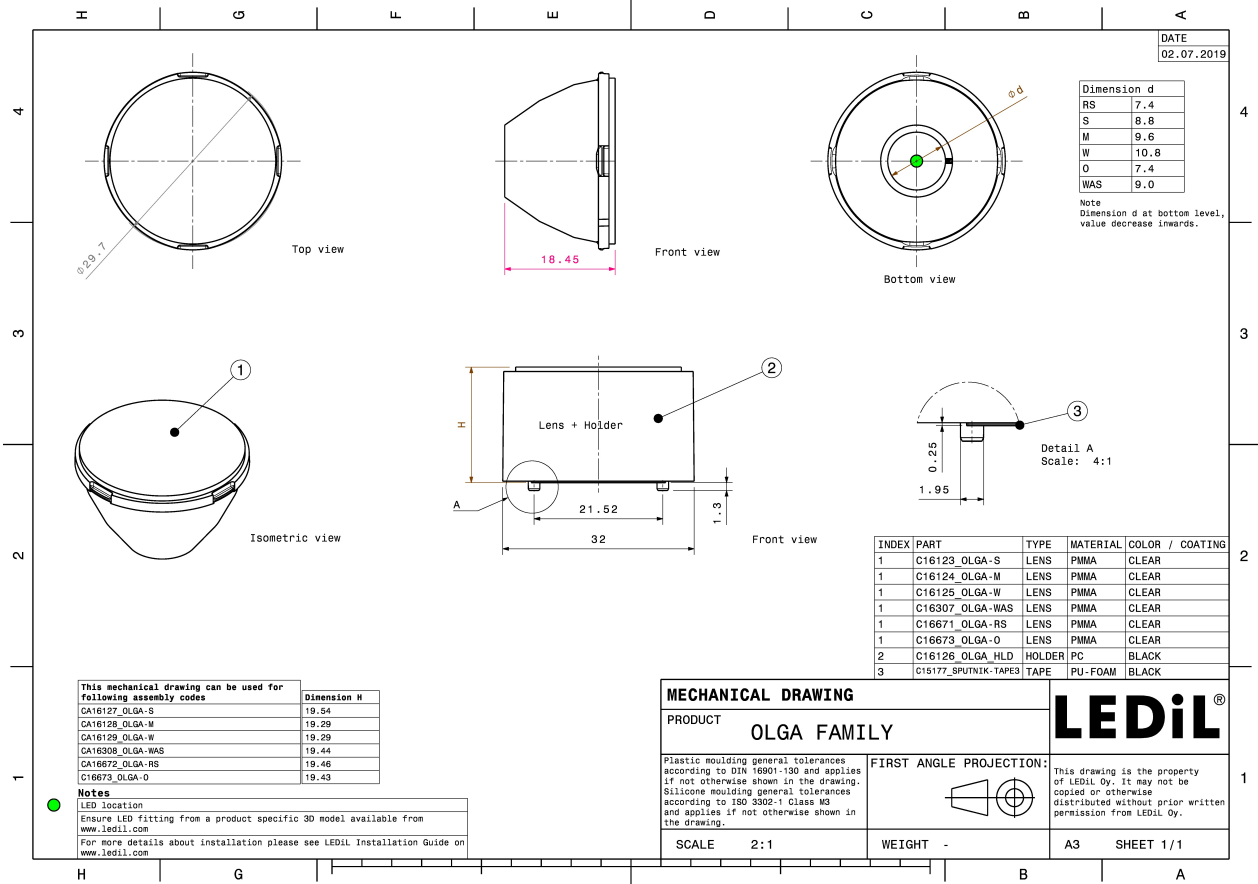


MATERIALS:

Component	Type	Material	Colour	Finish
OLGA-RS	Single lens	PMMA	clear	
OLGA-HLD	Holder	PC	black	
SPUTNIK-TAPE3	Tape	Acrylic foam	black	


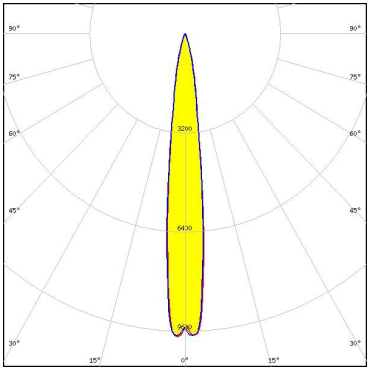

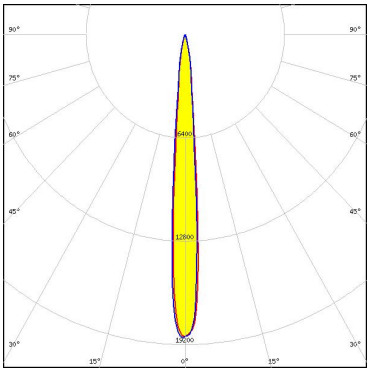

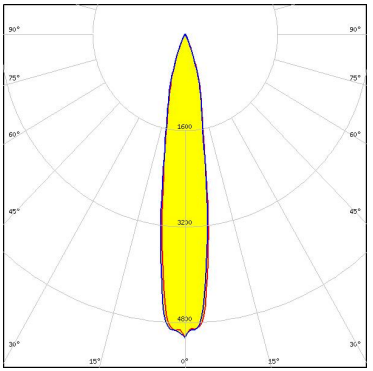

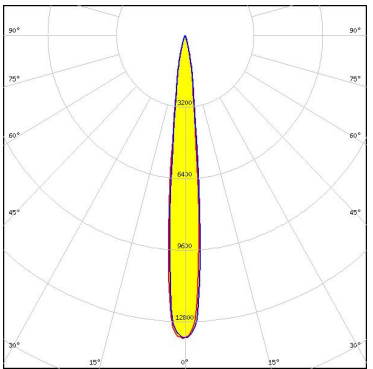
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16672_OLGA-RS	Single lens	792	132	66	9.8
» Box size: 476 x 273 x 292 mm					



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

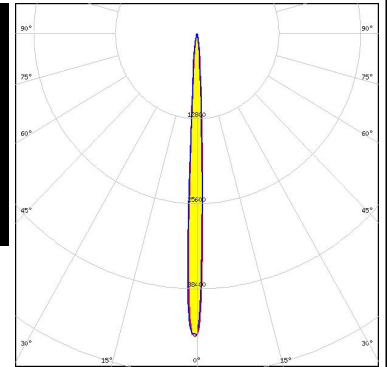
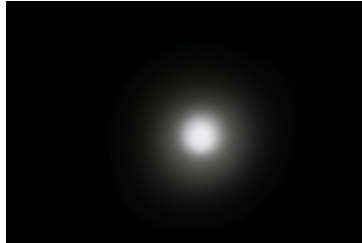
OPTICAL RESULTS (MEASURED):

<p>CREE ⇄ LED</p> <p>LED XHP35 HD FWHM / FWTM 13.0° / 29.0° Efficiency 84 % Peak intensity 9.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XHP35 HI FWHM / FWTM 9.0° / 22.0° Efficiency 87 % Peak intensity 18.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XHP50.2 FWHM / FWTM 17.0° / 41.0° Efficiency 78 % Peak intensity 5.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XM-L3 FWHM / FWTM 11.0° / 25.0° Efficiency 86 % Peak intensity 13.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

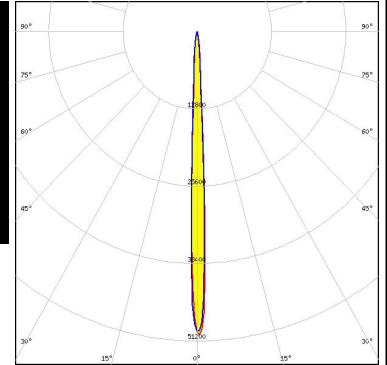
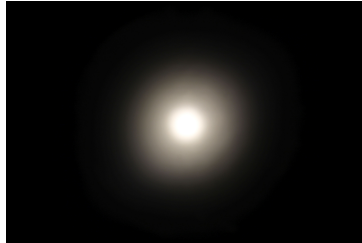
CREE LED

LED XP-E
 FWHM / FWTM 5.0° / 12.0°
 Efficiency 87 %
 Peak intensity 45.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



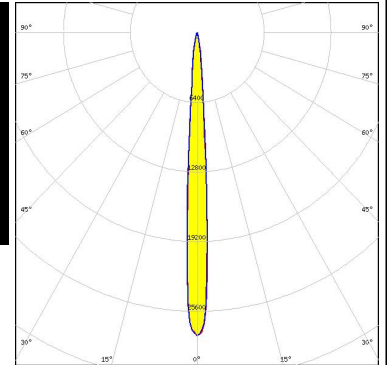
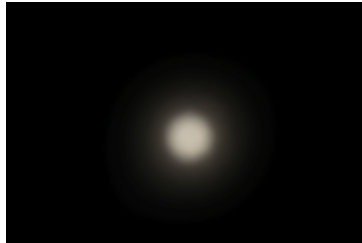
CREE LED

LED XP-E2
 FWHM / FWTM 4.9° / 11.6°
 Efficiency 86 %
 Peak intensity 50.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



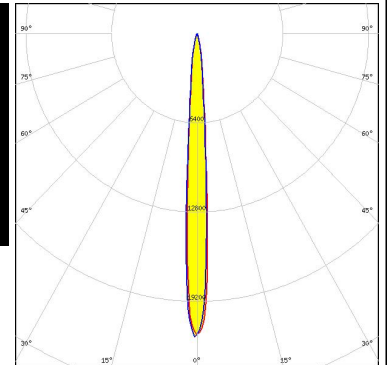
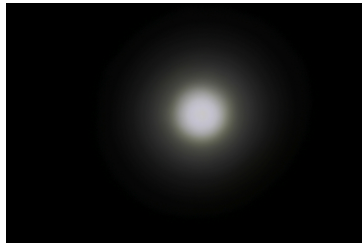
CREE LED

LED XP-G2
 FWHM / FWTM 7.0° / 17.0°
 Efficiency 86 %
 Peak intensity 28 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE LED

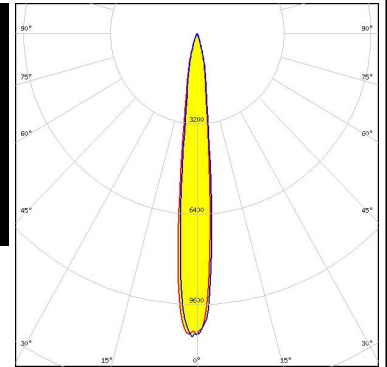
LED XP-G3
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 85 %
 Peak intensity 21.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

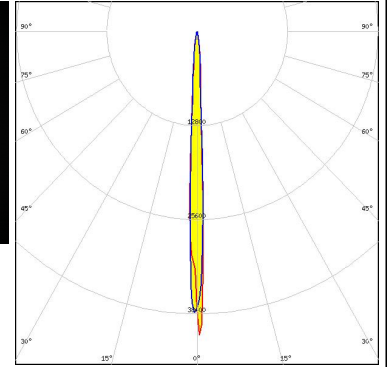
CREE LED

LED XP-L2
 FWHM / FWTM 12.0° / 29.0°
 Efficiency 83 %
 Peak intensity 10.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



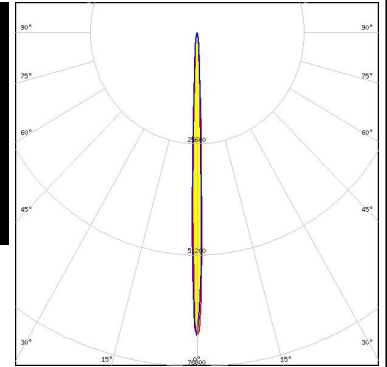
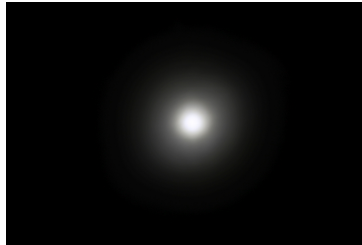
CREE LED

LED XQ-E HD
 FWHM / FWTM 5.0° / 13.0°
 Efficiency 79 %
 Peak intensity 42 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



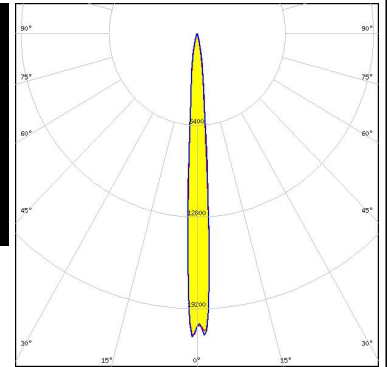
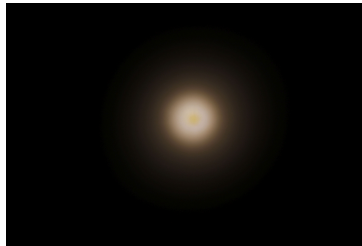
CREE LED

LED XQ-E HI
 FWHM / FWTM 3.0° / 9.0°
 Efficiency 84 %
 Peak intensity 70 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE LED

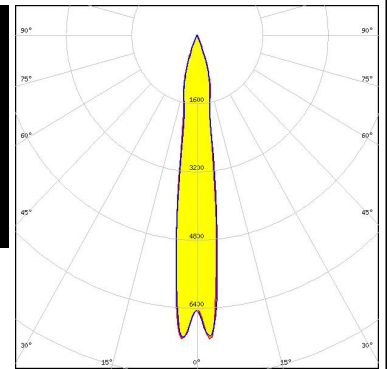
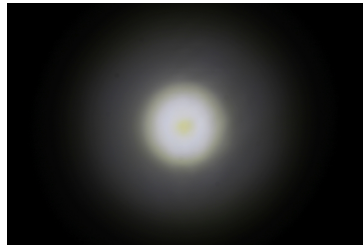
LED XT-E
 FWHM / FWTM 8.0° / 19.0°
 Efficiency 83 %
 Peak intensity 21.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

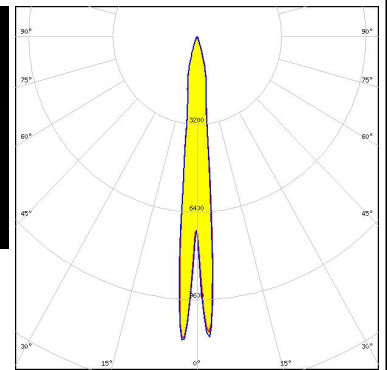
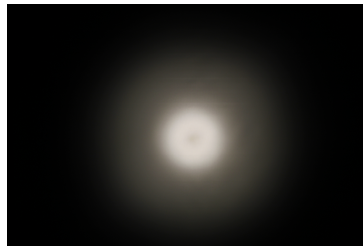
LUMILEDS

LED LUXEON 5050 Round LES
 FWHM / FWTM 14.0° / 38.0°
 Efficiency 86 %
 Peak intensity 7.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



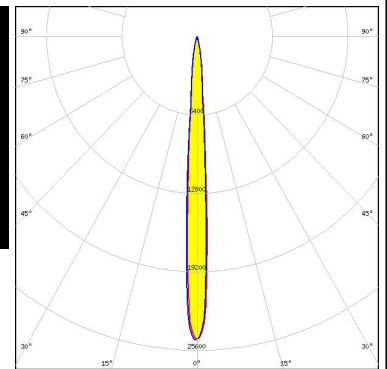
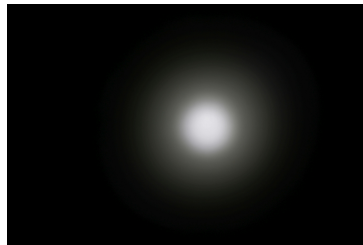
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 11.0° / 30.0°
 Efficiency 85 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



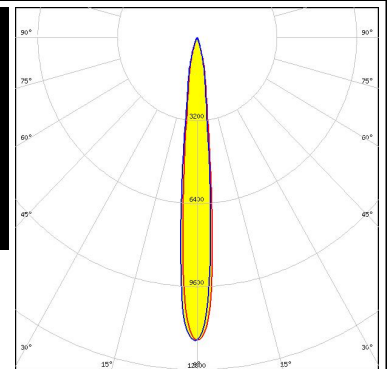
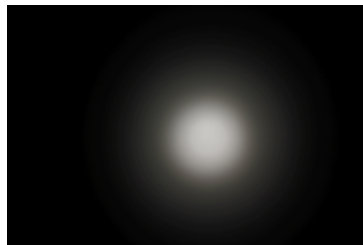
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 7.0° / 18.0°
 Efficiency 86 %
 Peak intensity 24.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

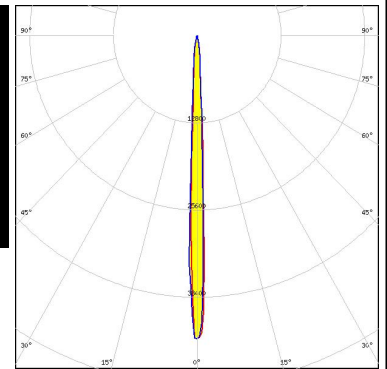
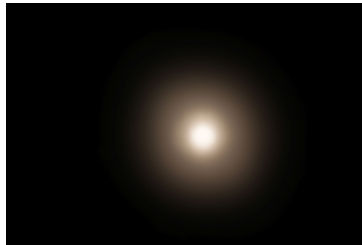
LED LUXEON V
 FWHM / FWTM 11.0° / 28.0°
 Efficiency 84 %
 Peak intensity 11.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

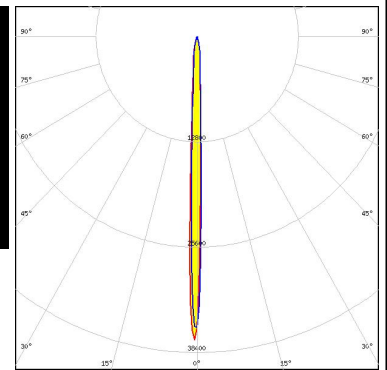
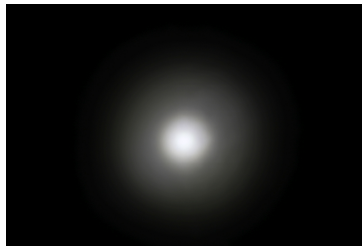
LUMILEDS

LED LUXEON Z ES
 FWHM / FWTM 5.0° / 12.0°
 Efficiency 87 %
 Peak intensity 44.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



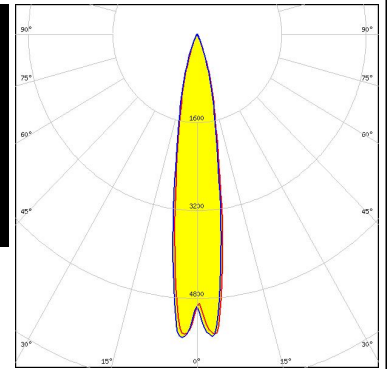
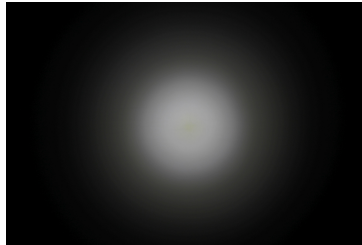
NICHIA

LED NCSxE17A
 FWHM / FWTM 4.0° / 13.0°
 Efficiency 83 %
 Peak intensity 37.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



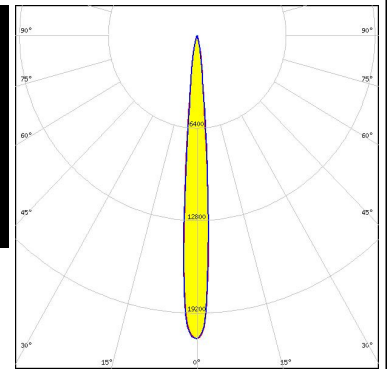
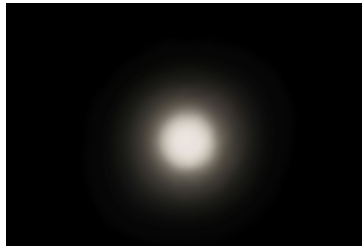
NICHIA

LED NV4x144A
 FWHM / FWTM 18.0° / 39.0°
 Efficiency 83 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

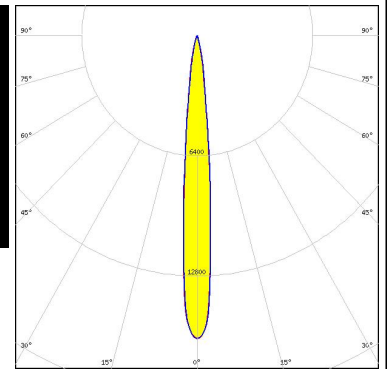
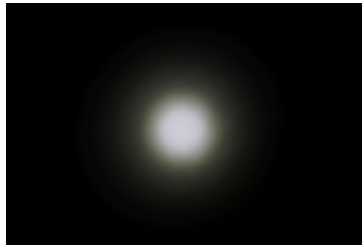
LED NVSW219D
 FWHM / FWTM 9.0° / 19.0°
 Efficiency 87 %
 Peak intensity 21 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



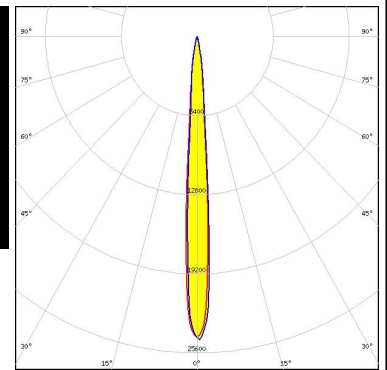
OPTICAL RESULTS (MEASURED):



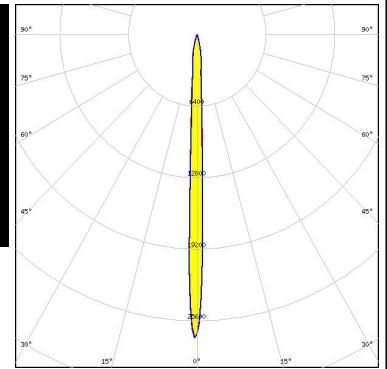
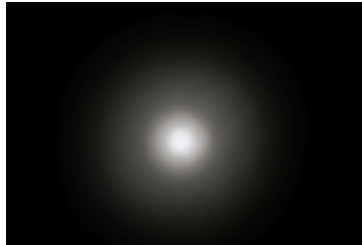
LED NVSW319B
 FWHM / FWTM 10.0° / 23.0°
 Efficiency 87 %
 Peak intensity 16.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



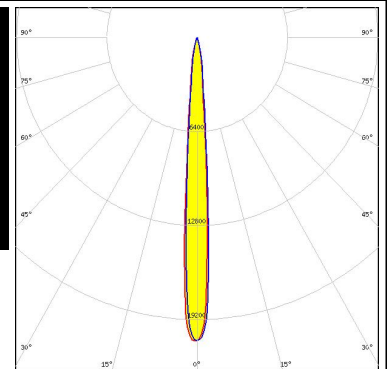
LED NVSW719AC
 FWHM / FWTM 8.0° / 19.0°
 Efficiency 91 %
 Peak intensity 24.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxE21A
 FWHM / FWTM 5.0° / 16.0°
 Efficiency 84 %
 Peak intensity 27.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 8.0° / 20.0°
 Efficiency 85 %
 Peak intensity 20.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

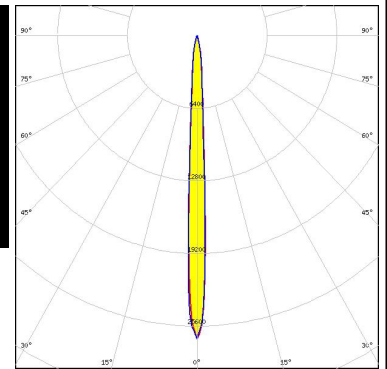
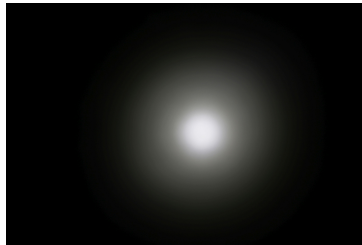


OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

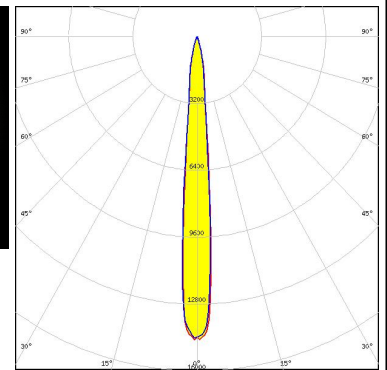
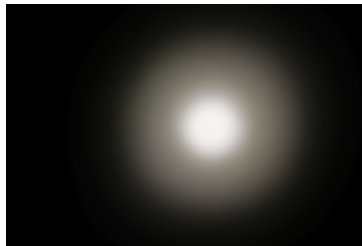
LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 6.0° / 17.0°
 Efficiency 86 %
 Peak intensity 26.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

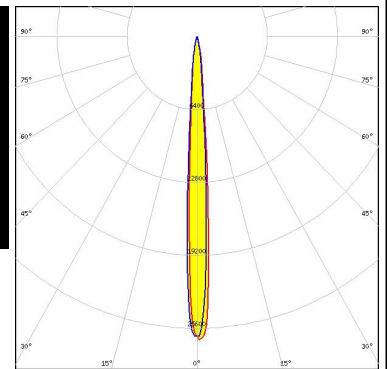
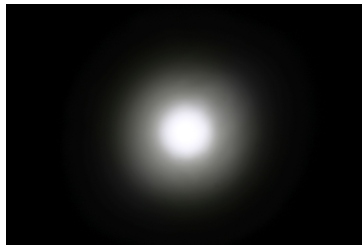
LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 10.0° / 25.0°
 Efficiency 85 %
 Peak intensity 14.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

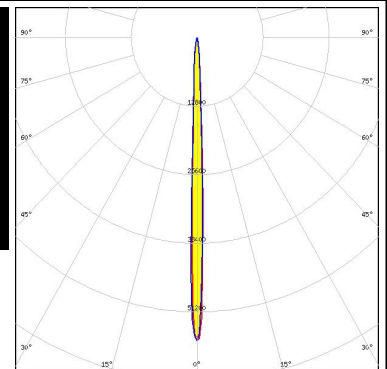
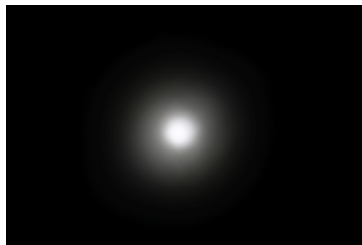
LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM 7.0° / 17.0°
 Efficiency 86 %
 Peak intensity 26.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

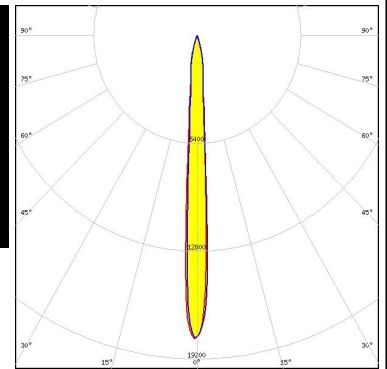
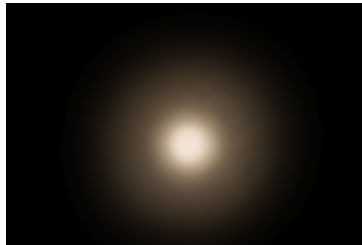
LED OSLOM SSL 150
 FWHM / FWTM 4.0° / 11.0°
 Efficiency 87 %
 Peak intensity 57 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

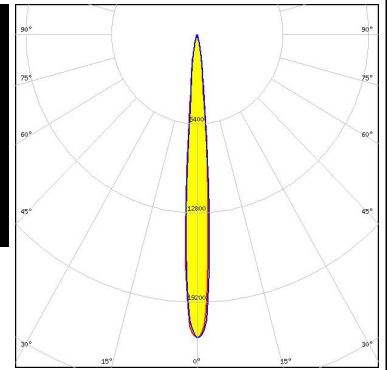
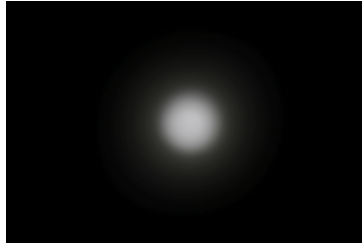
SAMSUNG

LED LH231B
 FWHM / FWTM 7.0° / 24.0°
 Efficiency 86 %
 Peak intensity 18 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



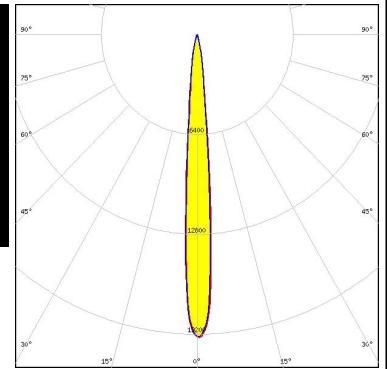
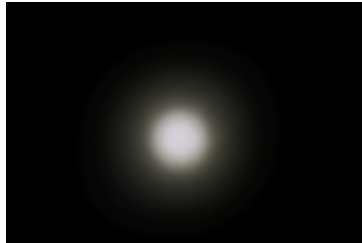
SAMSUNG

LED LH351B
 FWHM / FWTM 8.0° / 19.0°
 Efficiency 86 %
 Peak intensity 21.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



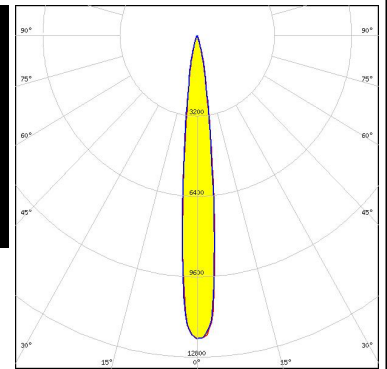
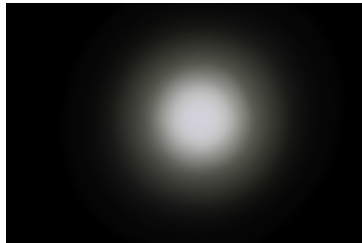
SAMSUNG

LED LH351C
 FWHM / FWTM 9.0° / 21.0°
 Efficiency 87 %
 Peak intensity 19.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

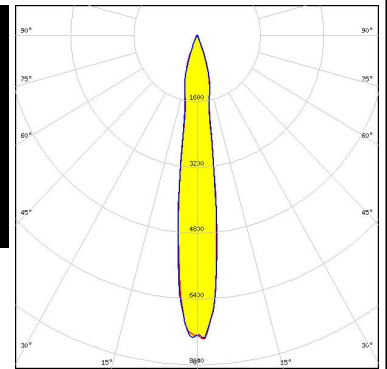
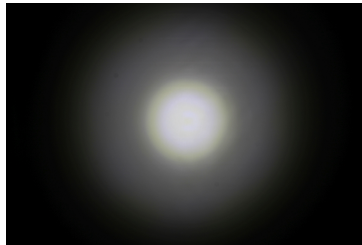
LED LH351D
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 86 %
 Peak intensity 12.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

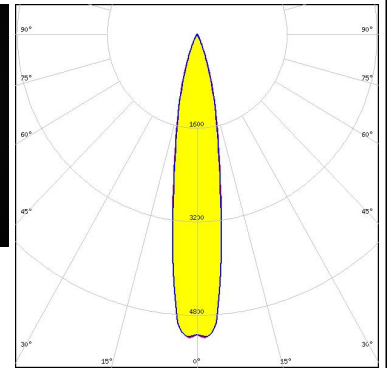
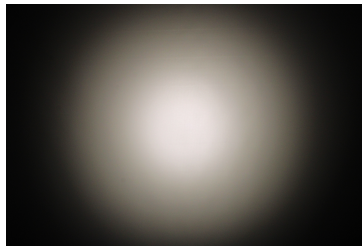
SAMSUNG

LED LH508A
 FWHM / FWTM 14.0° / 38.0°
 Efficiency 86 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



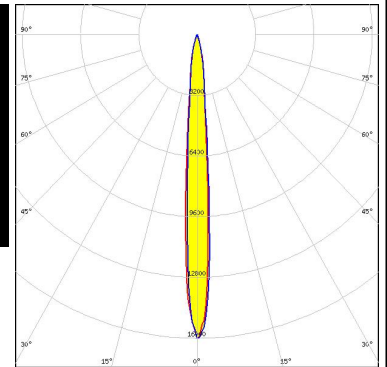
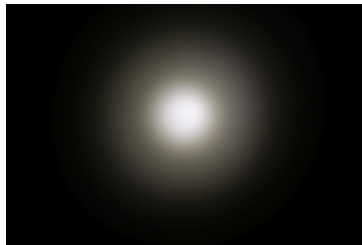
SEOUL SEMICONDUCTOR

LED WICOP 5050
 FWHM / FWTM 18.0° / 40.0°
 Efficiency 87 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


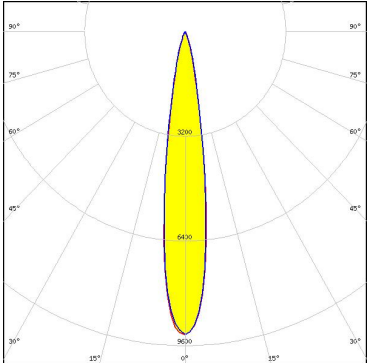

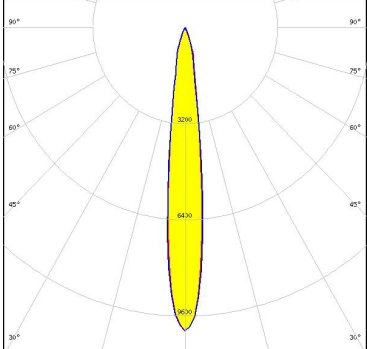

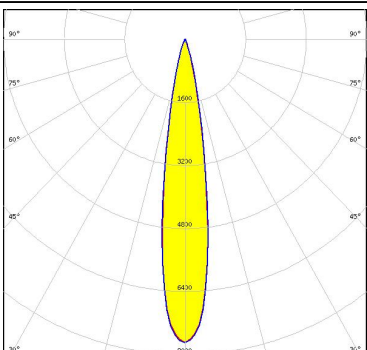

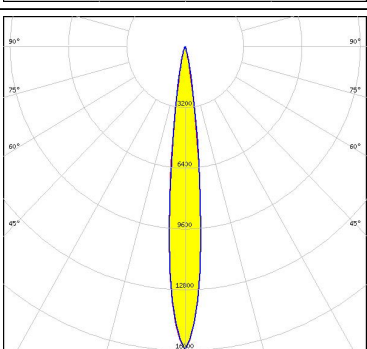


SEOUL SEMICONDUCTOR

LED Z5M3
 FWHM / FWTM 9.0° / 23.0°
 Efficiency 83 %
 Peak intensity 16 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



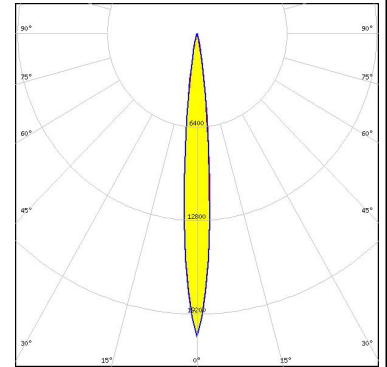
OPTICAL RESULTS (SIMULATED):

<p> LED V4 HD Gen 7</p> <p>FWHM / FWTM 16.0° / 31.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 9.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> LED J Series 5050 Round LES</p> <p>FWHM / FWTM 14.0° / 33.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 10.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> LED XHP50.3 HD</p> <p>FWHM / FWTM 16.0 + 18.0° / 32.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 7.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> LED XM-L</p> <p>FWHM / FWTM 12.0° / 23.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 16 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

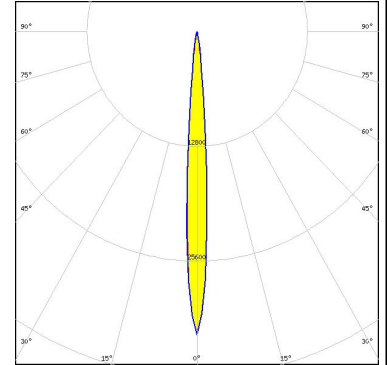
CREE LED

LED XP-G2 HE
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 93 %
 Peak intensity 20.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



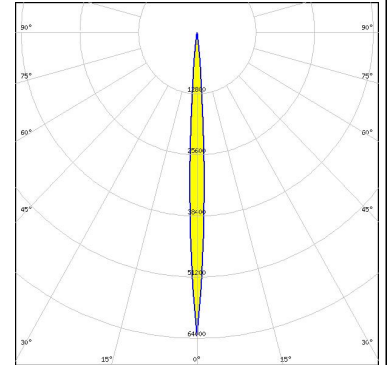
CREE LED

LED XP-L HI
 FWHM / FWTM 8.0° / 15.0°
 Efficiency 92 %
 Peak intensity 33 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



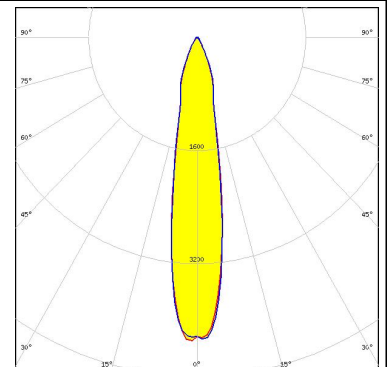
CREE LED

LED XP-P
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 96 %
 Peak intensity 63.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON 7070
 FWHM / FWTM 19.0° / 49.0°
 Efficiency 95 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON C FWHM / FWTM: 6.0° / 14.0° Efficiency: 89 % Peak intensity: 41 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON CZ FWHM / FWTM: 6.0° / 12.0° Efficiency: 93 % Peak intensity: 63.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMINUS</p> <p>LED: SST-40 FWHM / FWTM: 12.0° / 24.0° Efficiency: 93 % Peak intensity: 14.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMINUS</p> <p>LED: SST-70X-WCS FWHM / FWTM: 14.0° / 28.0° Efficiency: 94 % Peak intensity: 10.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

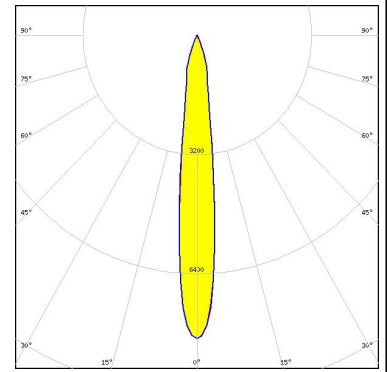
<p>NICHIA</p> <p>LED: COB S-Type (LES 7)</p> <p>FWHM / FWTM: 16.0° / 52.0°</p> <p>Efficiency: 84 %</p> <p>Peak intensity: 3.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: COB T-Type</p> <p>FWHM / FWTM: 16.0° / 48.0°</p> <p>Efficiency: 86 %</p> <p>Peak intensity: 4.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NV4WB35AM</p> <p>FWHM / FWTM: 12.0° / 26.0°</p> <p>Efficiency: 93 %</p> <p>Peak intensity: 13.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NV4WB35AM</p> <p>FWHM / FWTM: 12.0° / 26.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 13.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

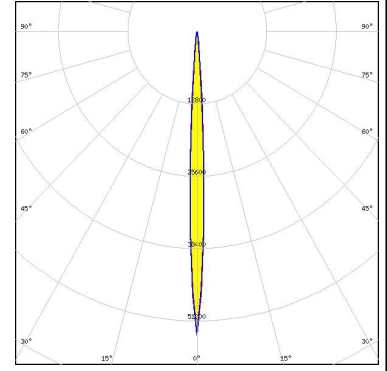
LED OSLON PURE 1010
 FWHM / FWTM 14.0° / 36.0°
 Efficiency 88 %
 Peak intensity 8.1 cd/lm
 LEDs/each optic 9
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

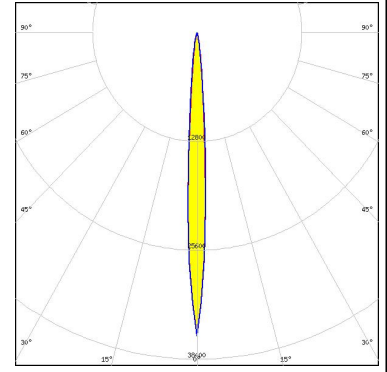
LED SFH 4170S
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 82 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OSRAM

Opto Semiconductors

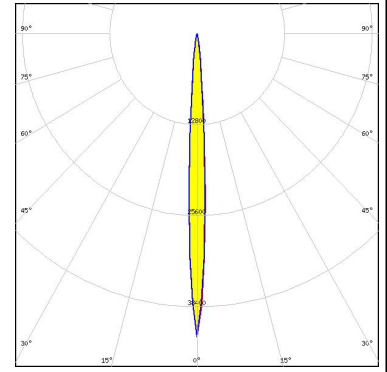
LED SFH 4715AS
 FWHM / FWTM 7.0° / 16.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4716AS
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 93 %
 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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.

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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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