

OLGA-M

~30° wide beam. Assembly with holder and installation tape.

SPECIFICATION:

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

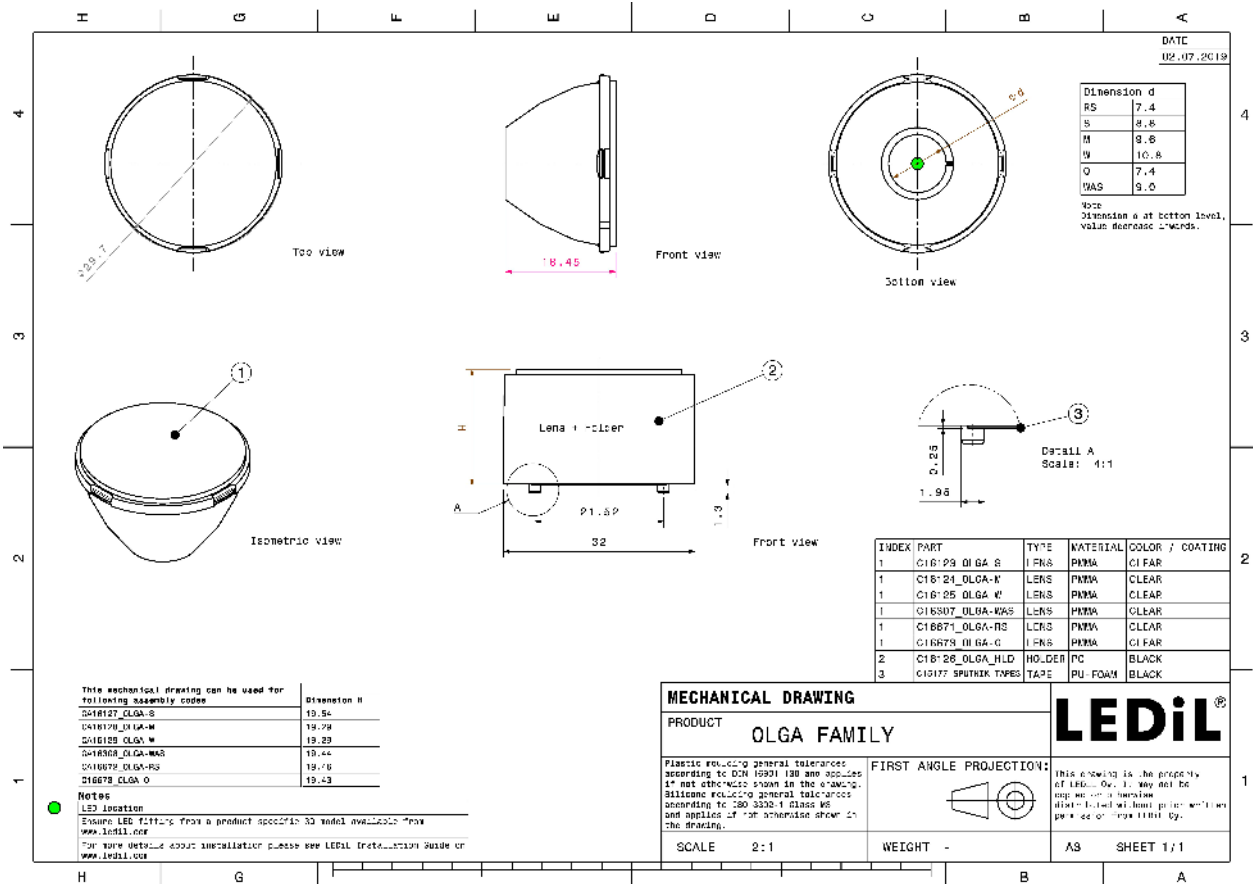
MATERIALS:

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

ORDERING INFORMATION:


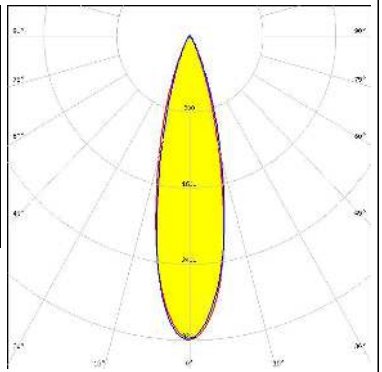

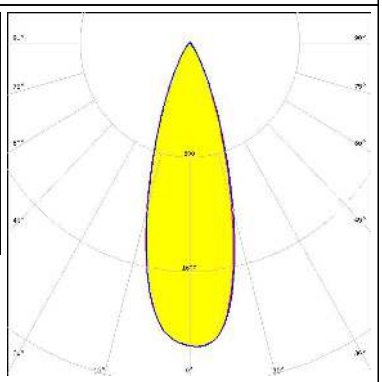

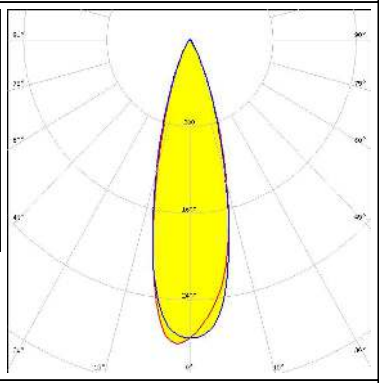

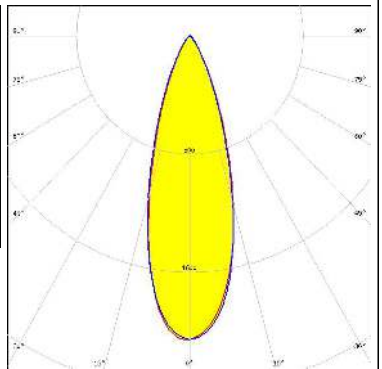
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16128_OLGA-M	Single lens	792	132	66	9.8
» Box size: 476 x 273 x 292 mm					





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

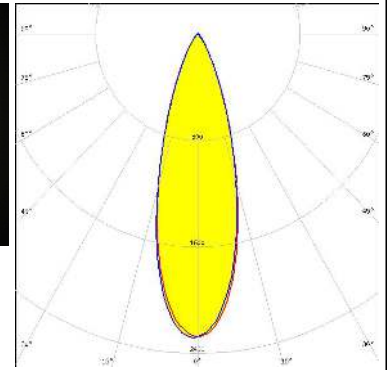
OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED: XD16 FWHM / FWTM: 26.0° / 48.0° Efficiency: 80 % Peak intensity: 3.2 cd/m LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CREE → LED</p> <p>LED: XHP35 HD FWHM / FWTM: 32.0° / 58.0° Efficiency: 80 % Peak intensity: 2.1 cd/m LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CREE → LED</p> <p>LED: XHP35 HI FWHM / FWTM: 28.0° / 51.0° Efficiency: 84 % Peak intensity: 2.8 cd/m LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CREE → LED</p> <p>LED: XHP50 FWHM / FWTM: 32.0° / 60.0° Efficiency: 81 % Peak intensity: 2.1 cd/m LEDs/each optic: 1 Light colour: White Required components:</p>		

OPTICAL RESULTS (MEASURED):

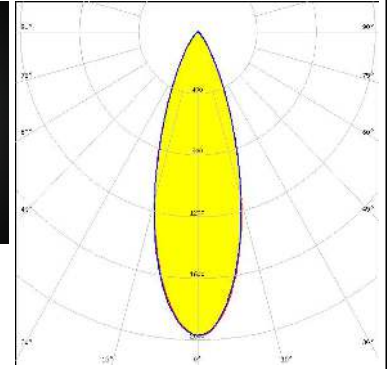
CREE ⇄ LED

LED XHP50.2
 FWHM / FWTM 31.0° / 58.0°
 Efficiency 81 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



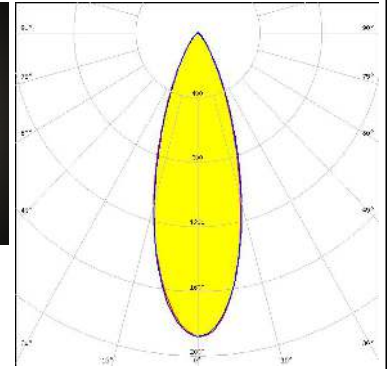
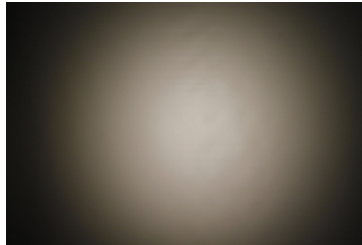
CREE ⇄ LED

LED XHP70
 FWHM / FWTM 33.0° / 63.0°
 Efficiency 82 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



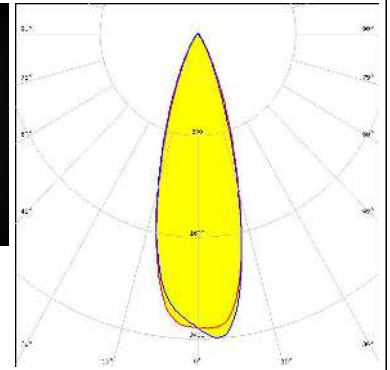
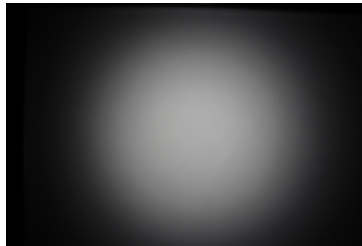
CREE ⇄ LED

LED XHP70.2
 FWHM / FWTM 34.0° / 64.0°
 Efficiency 81 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


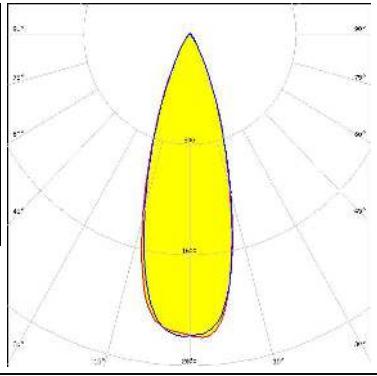
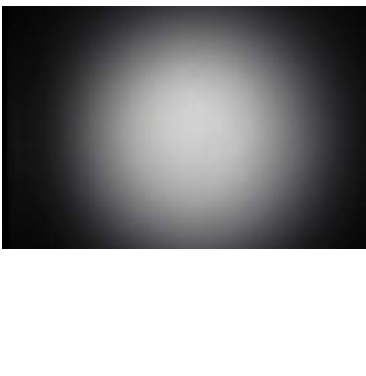
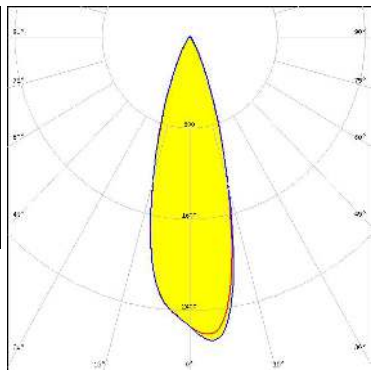

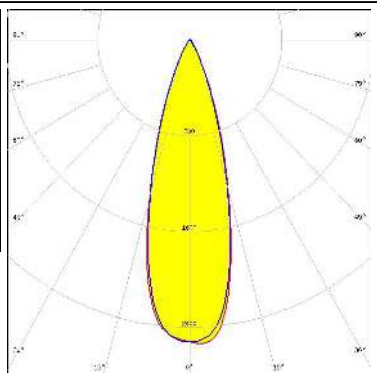

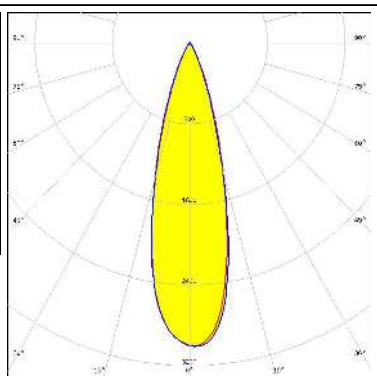


CREE ⇄ LED


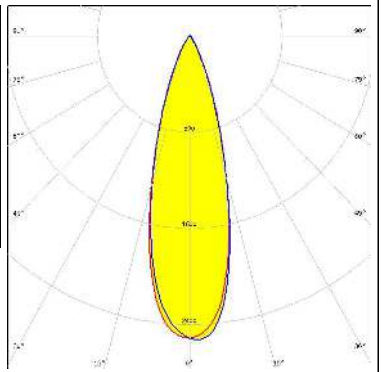

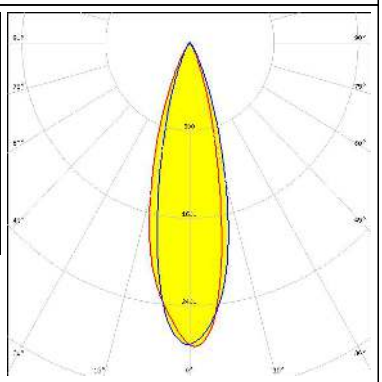
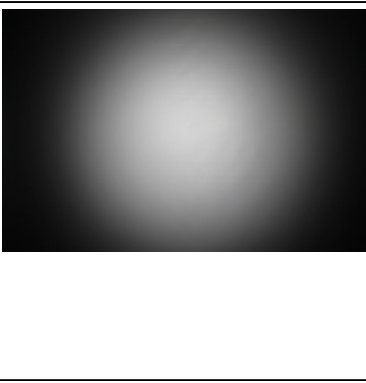
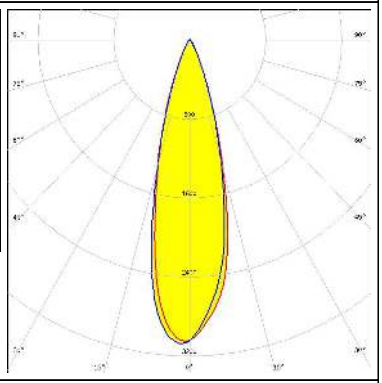

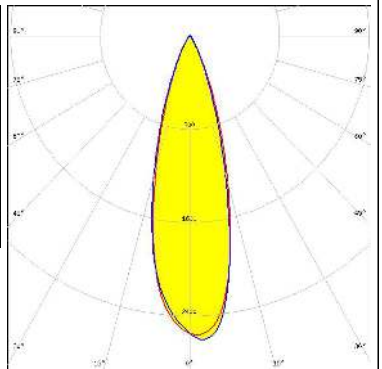
LED XM-L
 FWHM / FWTM 31.0° / 55.0°
 Efficiency 83 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



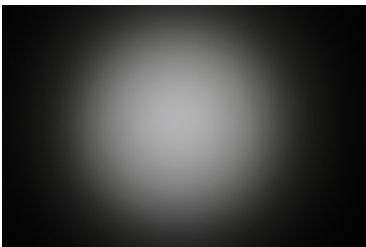
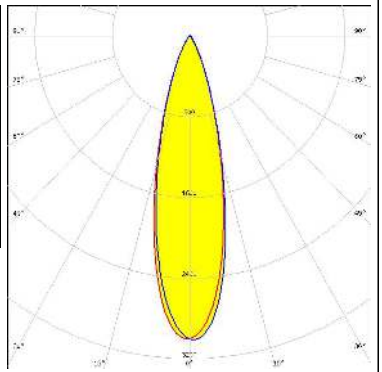
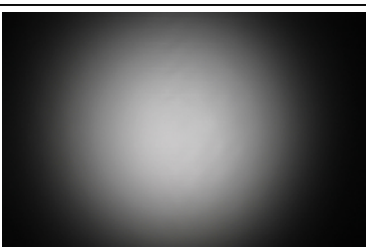
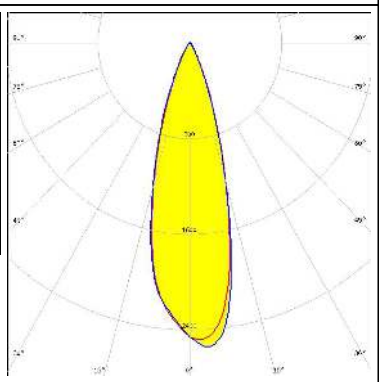
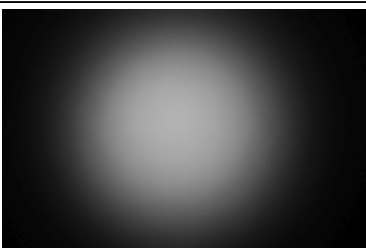
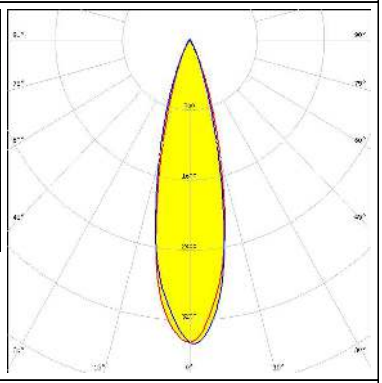
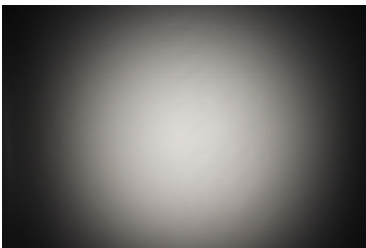
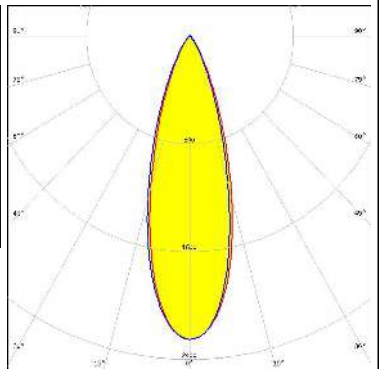
OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED XM-L3 FWHM / FWTM 33.0° / 57.0° Efficiency 81 % Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XP-G2 FWHM / FWTM 30.0° / 53.0° Efficiency 83 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XP-G3 FWHM / FWTM 31.0° / 54.0° Efficiency 82 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XP-L HI FWHM / FWTM 28.0° / 50.0° Efficiency 85 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		



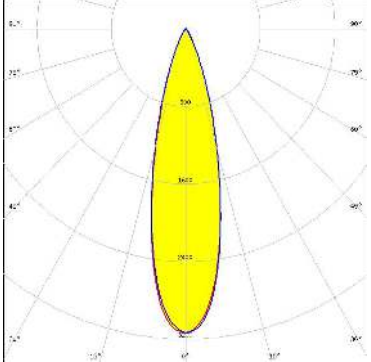


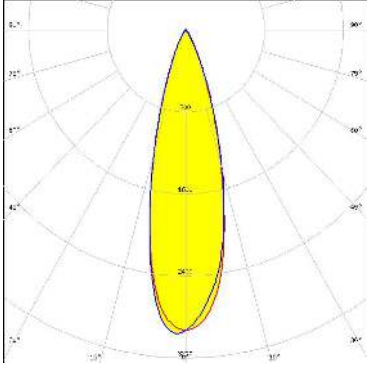

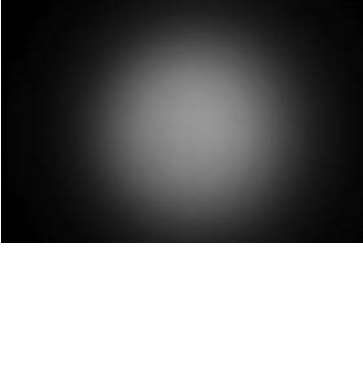
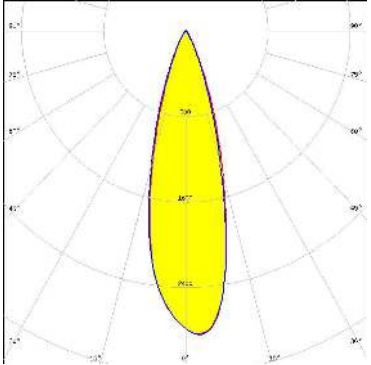


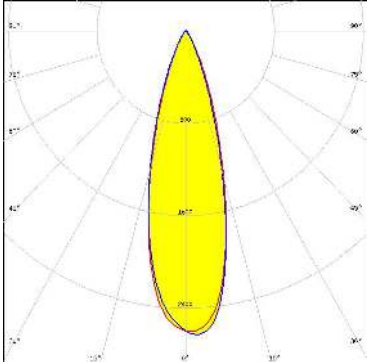
OPTICAL RESULTS (MEASURED):

<p>CREE ⇄ LED</p> <p>LED XP-L2 FWHM / FWTM 30.0° / 54.0° Efficiency 81 % Peak intensity 2.5 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XQ-E HD FWHM / FWTM 28.0° / 51.0° Efficiency 76 % Peak intensity 2.8 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XQ-E HI FWHM / FWTM 27.0° / 49.0° Efficiency 83 % Peak intensity 3.1 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XT-E FWHM / FWTM 29.0° / 53.0° Efficiency 79 % Peak intensity 2.6 cd/m LEDs/each optic 1 Light colour White Required components:</p>		


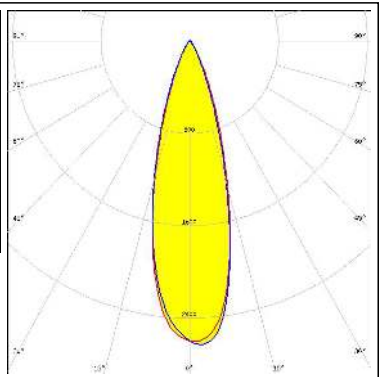

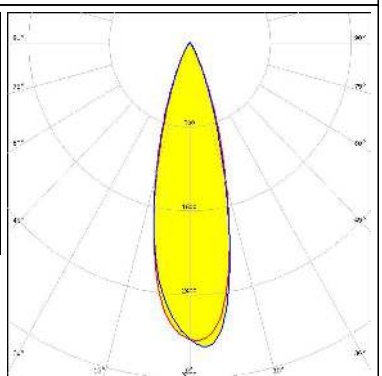

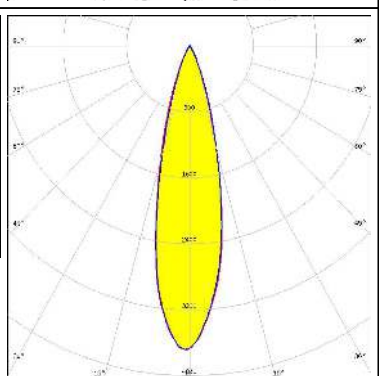

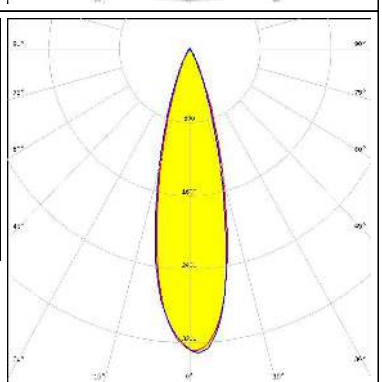
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 27.0° / 52.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON C</p> <p>FWHM / FWTM 29.0° / 52.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 2.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON CZ</p> <p>FWHM / FWTM 26.0° / 47.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON M/MX</p> <p>FWHM / FWTM 31.0° / 59.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

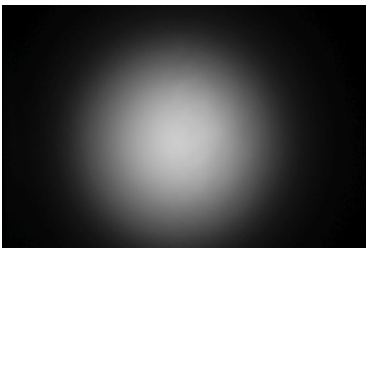
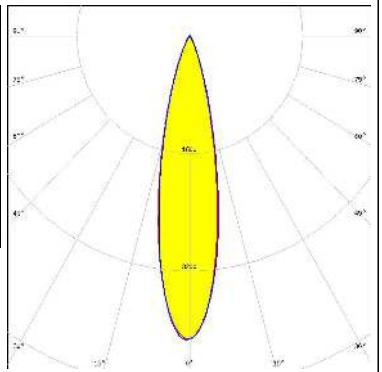

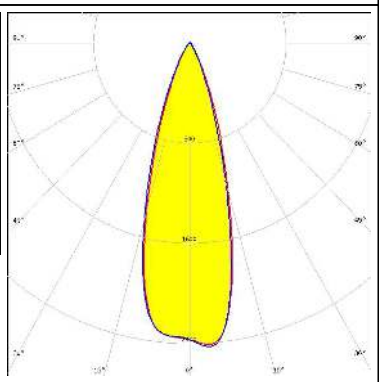

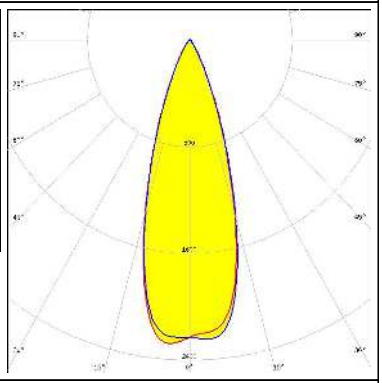

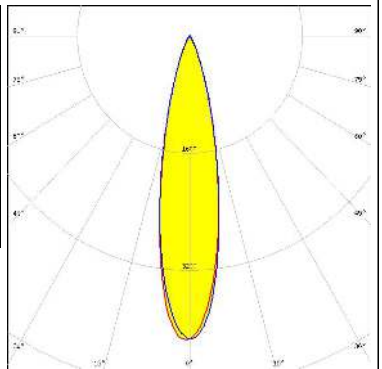
OPTICAL RESULTS (MEASURED):

	<p>LED LUXEON MZ</p> <p>FWHM / FWTM 26.0° / 50.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED LUXEON Rebel ES</p> <p>FWHM / FWTM 28.0° / 51.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED LUXEON TX</p> <p>FWHM / FWTM 29.0° / 51.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
	<p>LED LUXEON V</p> <p>FWHM / FWTM 28.0° / 53.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		


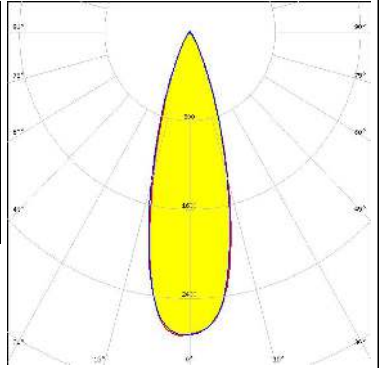

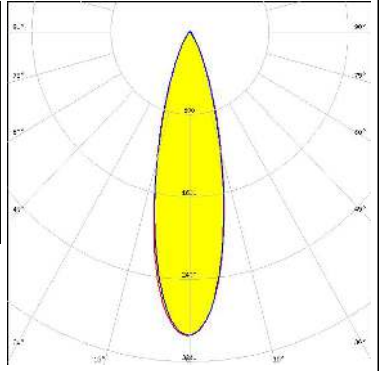

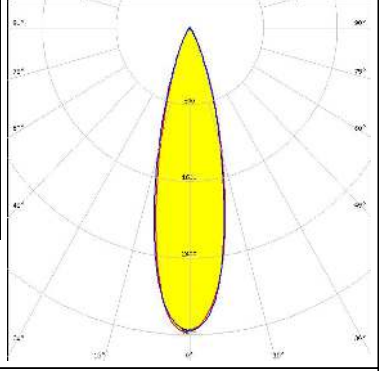

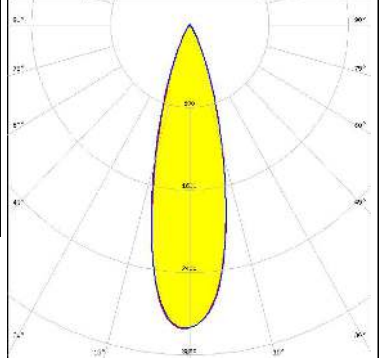
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON V</p> <p>FWHM / FWTM 29.0° / 54.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON V2</p> <p>FWHM / FWTM 29.0° / 51.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Z</p> <p>FWHM / FWTM 25.0° / 46.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 27.0° / 49.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		


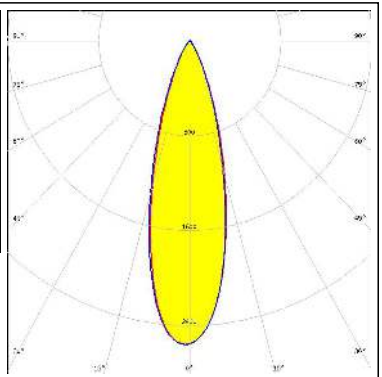
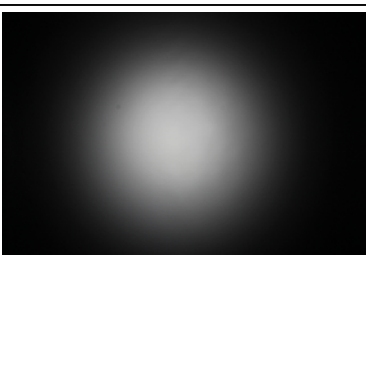
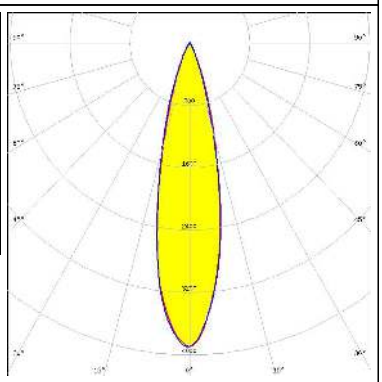

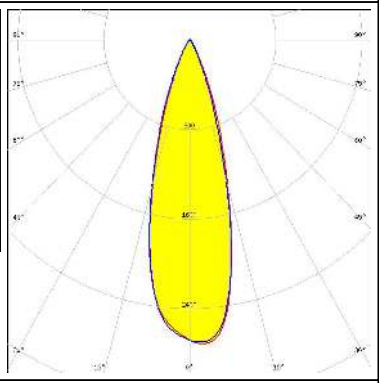

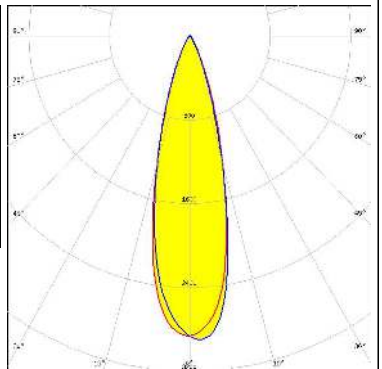
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 23.0° / 44.0° Efficiency 85 % Peak intensity 4.1 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219D FWHM / FWTM 31.0° / 54.0° Efficiency 83 % Peak intensity 2.4 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 34.0° / 56.0° Efficiency 84 % Peak intensity 2.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 23.0° / 44.0° Efficiency 85 % Peak intensity 4.2 cd/m LEDs/each optic 1 Light colour White Required components:</p>		


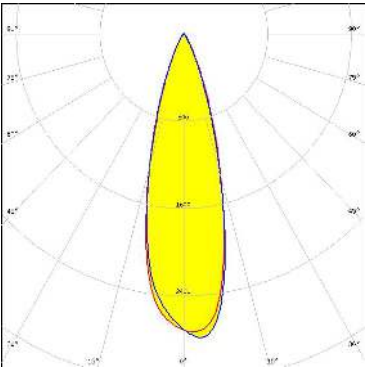
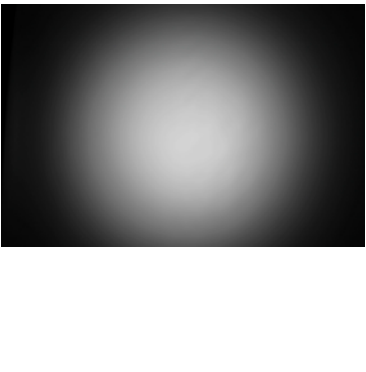
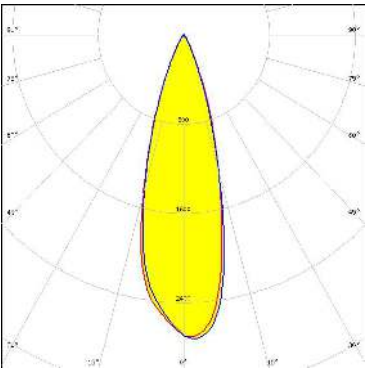

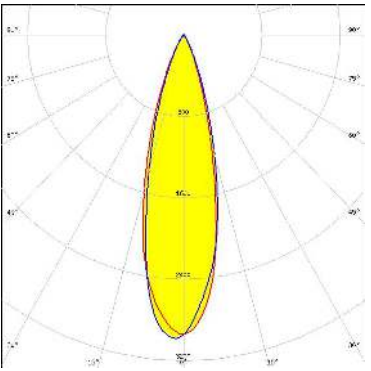

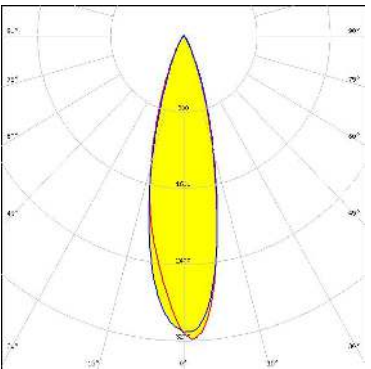
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 30.0° / 52.0° Efficiency 84 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S8 FWHM / FWTM 27.0° / 53.0° Efficiency 85 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (2W version) FWHM / FWTM 26.0° / 49.0° Efficiency 83 % Peak intensity 3.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (3W version) FWHM / FWTM 28.0° / 51.0° Efficiency 84 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 7070</p> <p>FWHM / FWTM 29.0° / 55.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Black Flat</p> <p>FWHM / FWTM 24.0° / 45.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 30.0° / 52.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 28.0° / 51.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

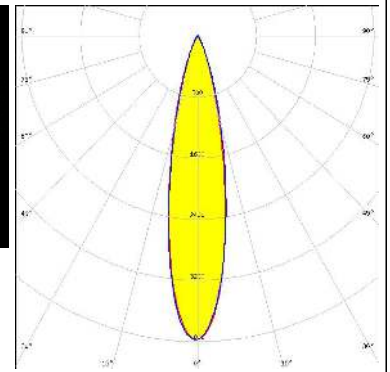
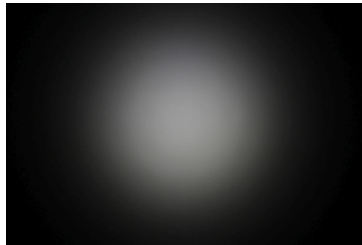
OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square PC</p> <p>FWHM / FWTM 29.0° / 52.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.8 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 OSLON SSL 150</p> <p>FWHM / FWTM 30.0° / 51.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.7 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 OSLON SSL 80</p> <p>FWHM / FWTM 28.0° / 51.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.9 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 OSTAR Stage (S2WN)</p> <p>FWHM / FWTM 26.0° / 50.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

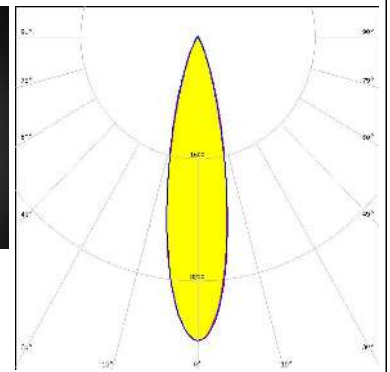
SAMSUNG

LED LH181A
 FWHM / FWTM 22.0° / 44.0°
 Efficiency 81 %
 Peak intensity 4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



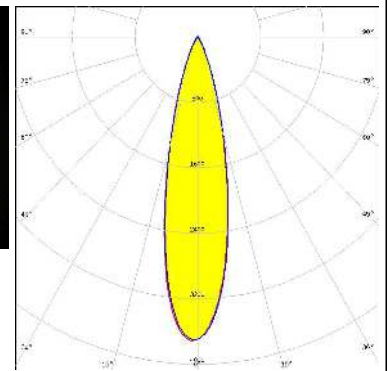
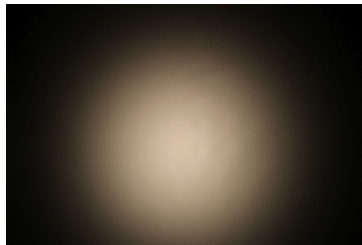
SAMSUNG

LED LH181B
 FWHM / FWTM 23.0° / 45.0°
 Efficiency 85 %
 Peak intensity 3.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



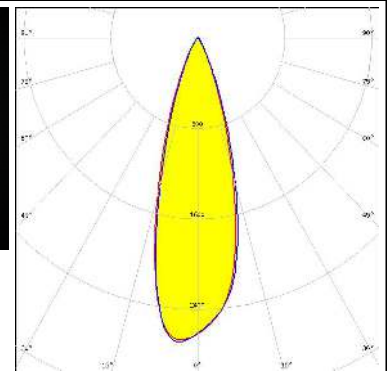
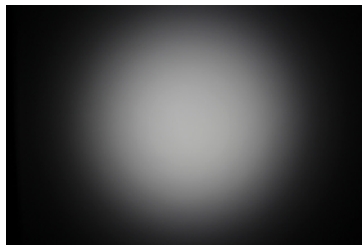
SAMSUNG

LED LH231B
 FWHM / FWTM 24.0° / 47.0°
 Efficiency 86 %
 Peak intensity 3.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

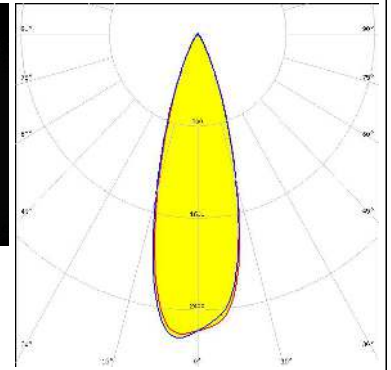
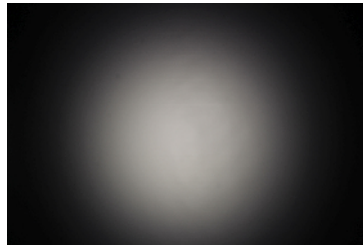
LED LH351B
 FWHM / FWTM 30.0° / 53.0°
 Efficiency 84 %
 Peak intensity 2.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

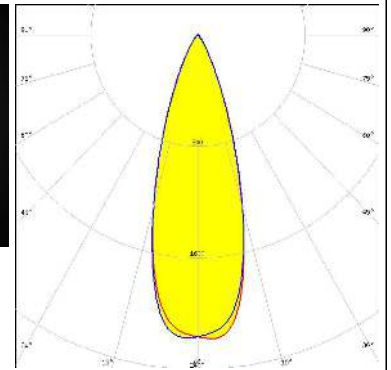
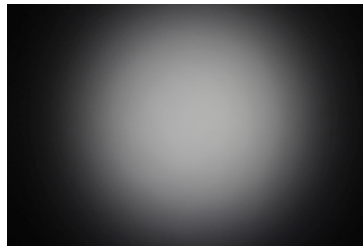
SAMSUNG

LED LH351C
 FWHM / FWTM 31.0° / 53.0°
 Efficiency 85 %
 Peak intensity 2.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



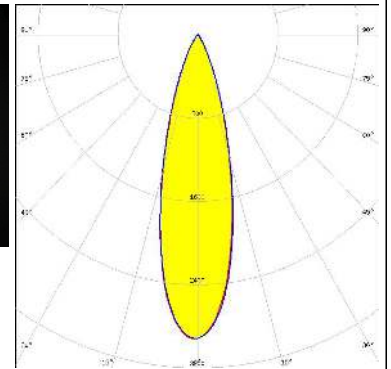
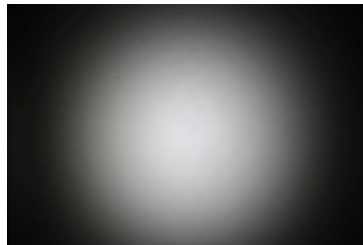
SAMSUNG

LED LH351D
 FWHM / FWTM 33.0° / 57.0°
 Efficiency 83 %
 Peak intensity 2.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



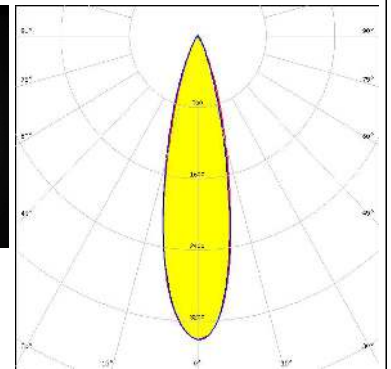
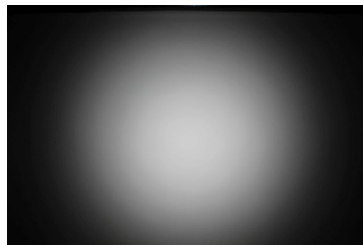
SAMSUNG

LED LH508A
 FWHM / FWTM 28.0° / 53.0°
 Efficiency 85 %
 Peak intensity 2.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

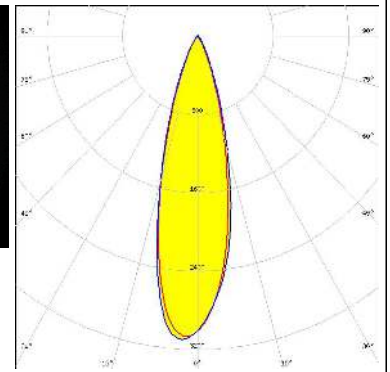
LED LM302A
 FWHM / FWTM 25.0° / 48.0°
 Efficiency 85 %
 Peak intensity 3.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



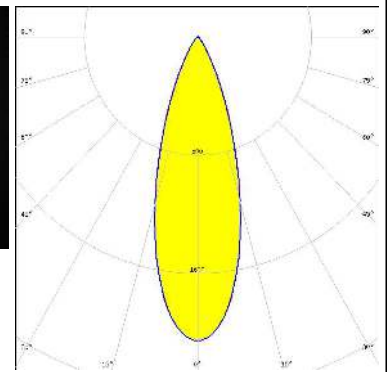
OPTICAL RESULTS (MEASURED):

SAMSUNG

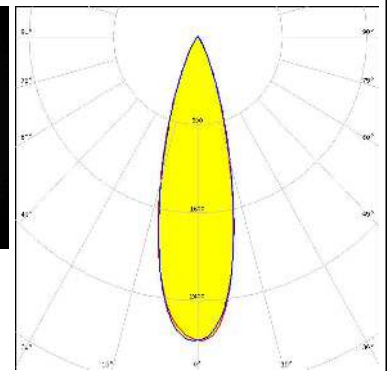
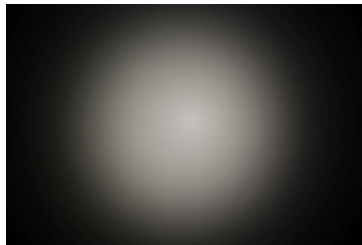
LED LM561B
 FWHM / FWTM 27.0° / 51.0°
 Efficiency 85 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR
 LED WICOP 5050
 FWHM / FWTM 33.0° / 60.0°
 Efficiency 80 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



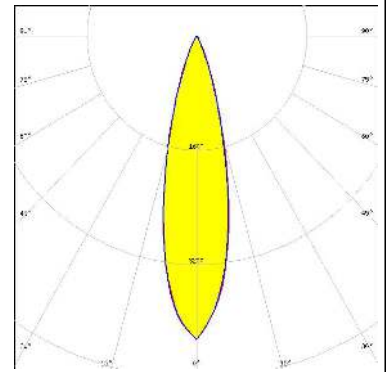
SEOUL SEMICONDUCTOR
 LED Z5M3
 FWHM / FWTM 28.0° / 52.0°
 Efficiency 82 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

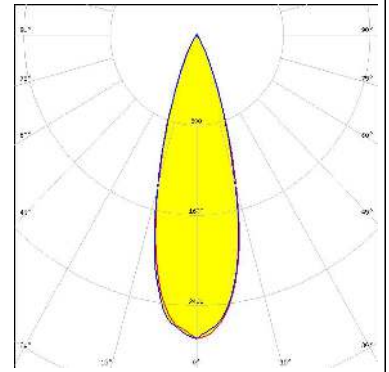
CREE LED

LED J Series 5050 Round LES
 FWHM / FWTM 25.0° / 46.0°
 Efficiency 92 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



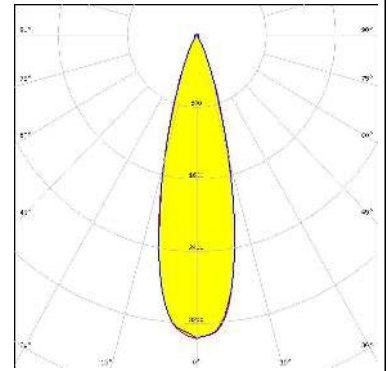
CREE LED

LED XHP50.3 HD
 FWHM / FWTM 31.0 + 30.0° / 52.0°
 Efficiency 83 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



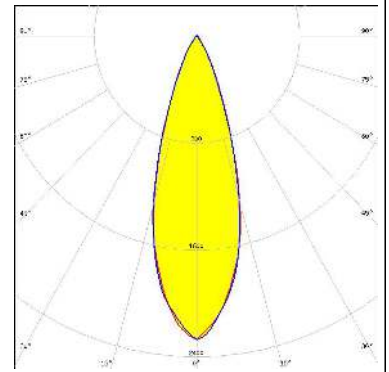
CREE LED

LED XHP50.3 HI
 FWHM / FWTM 28.0° / 48.0°
 Efficiency 95 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

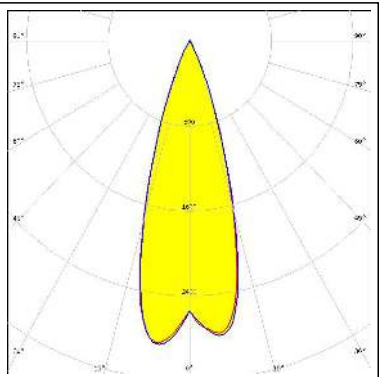
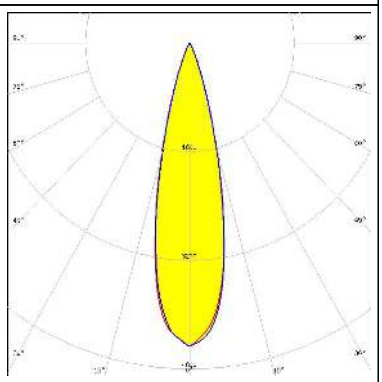
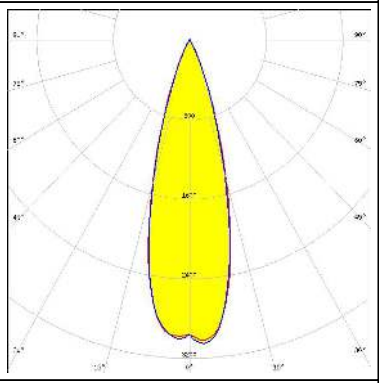
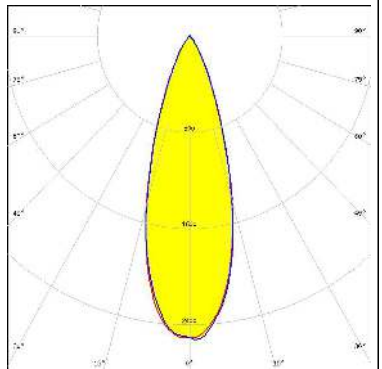


CREE LED

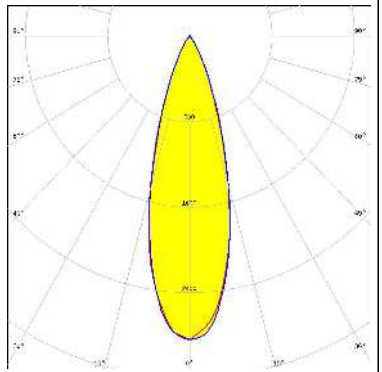
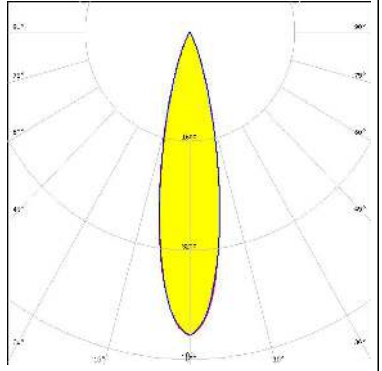
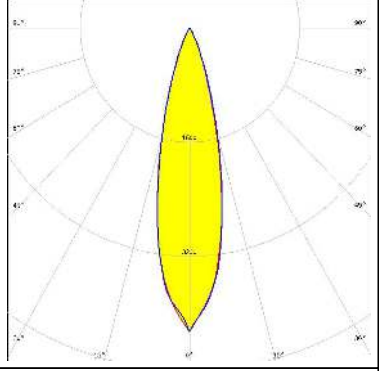
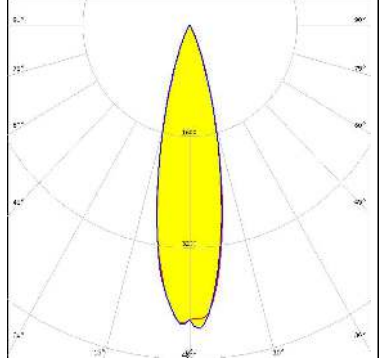
LED XHP70.3 HD
 FWHM / FWTM 33.0 + 32.0° / 58.0°
 Efficiency 82 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>CREE LED</p> <p>LED: XP-G2 HE FWHM / FWTM: 33.0° / 50.0° Efficiency: 89 % Peak intensity: 2.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMINUS</p> <p>LED: SST-20 FWHM / FWTM: 26.0° / 42.0° Efficiency: 91 % Peak intensity: 4.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMINUS</p> <p>LED: SST-70X-WCS FWHM / FWTM: 30.0° / 50.0 + 48.0° Efficiency: 85 % Peak intensity: 3.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: COB S-Type (LES 7) FWHM / FWTM: 32.0° / 58.0° Efficiency: 91 % Peak intensity: 2.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

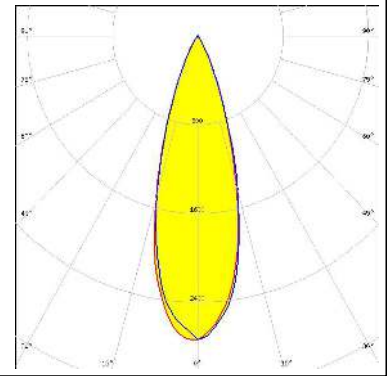
OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED COB T-Type FWHM / FWTM 30.0° / 56.0° Efficiency 91 % Peak intensity 2.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 24.0° / 44.0° Efficiency 88 % Peak intensity 4.5 cd/lm LEDs/each optic 4 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NFMW48xA FWHM / FWTM 25.0° / 47.0° Efficiency 92 % Peak intensity 4.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NV4WB35AM FWHM / FWTM 25.0° / 44.0° Efficiency 91 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):



LED	NV4x144A
FWHM / FWTM	31.0° / 54.0°
Efficiency	86 %
Peak intensity	2.7 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.

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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