

G2-LAURA-O-P

~40° x 13° oval 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 ⓘ

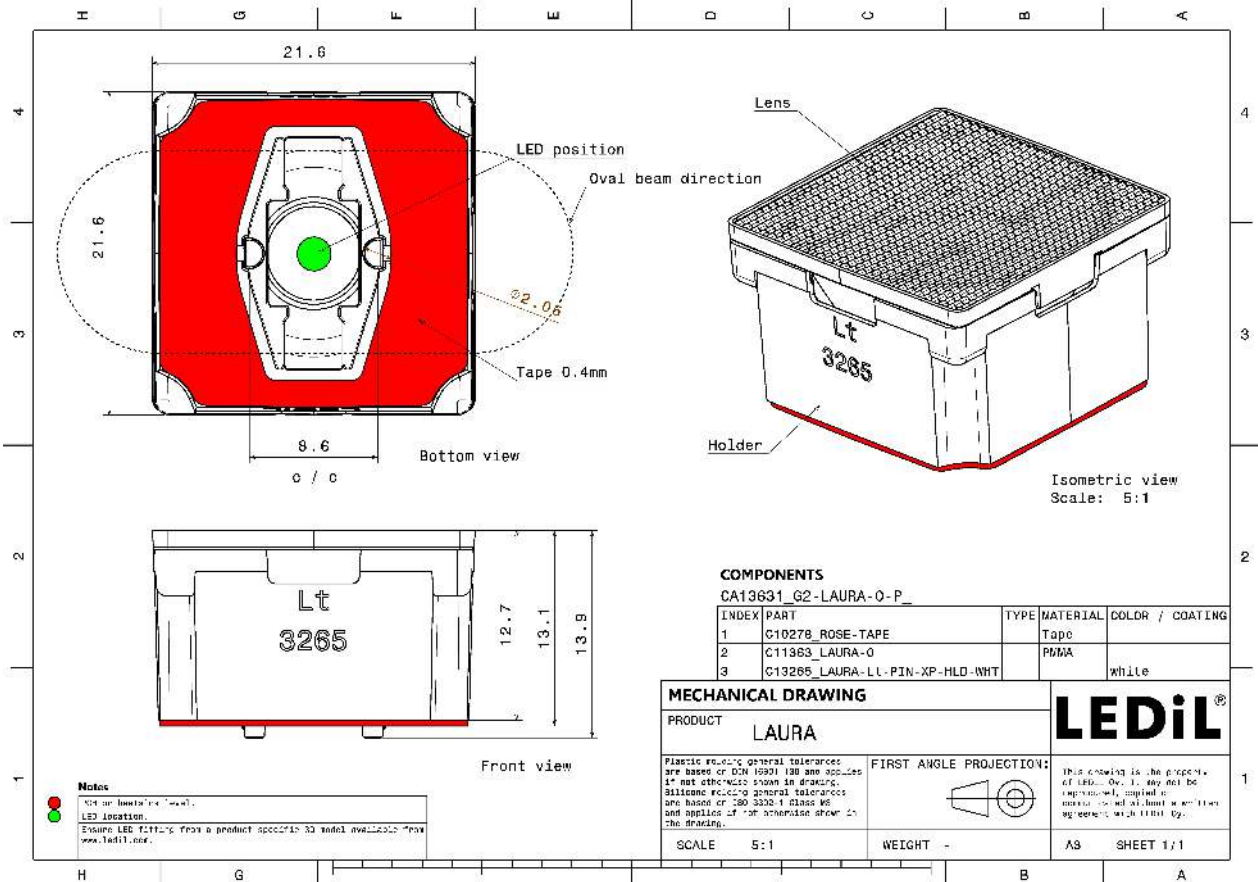
MATERIALS:

Component	Type	Material	Colour	Finish
LAURA-O	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)
CA13631_G2-LAURA-O-P	Single lens	1440	360	180	6.0
» Box size: 451 x 254 x 152 mm					



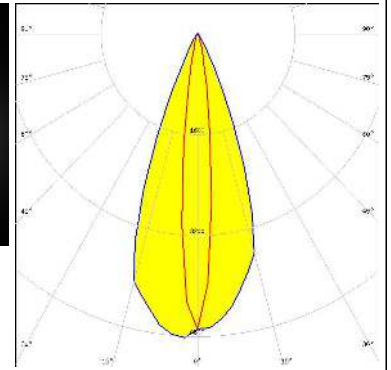
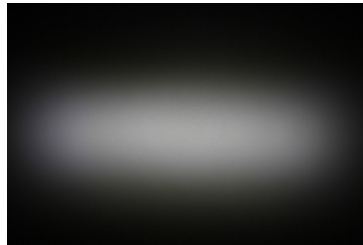


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

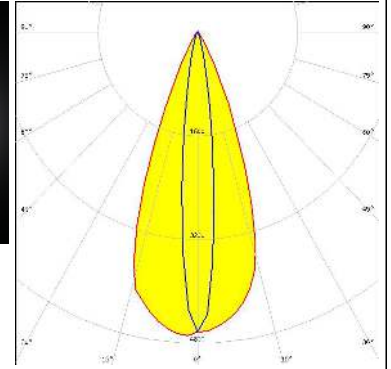
CREE → LED

LED XB-D
 FWHM / FWTM 41.0 + 13.0° / 57.0 + 26.0°
 Efficiency 86 %
 Peak intensity 4.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



CREE → LED

LED XB-H
 FWHM / FWTM 41.0 + 13.0° / 58.0 + 26.0°
 Efficiency 87 %
 Peak intensity 4.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



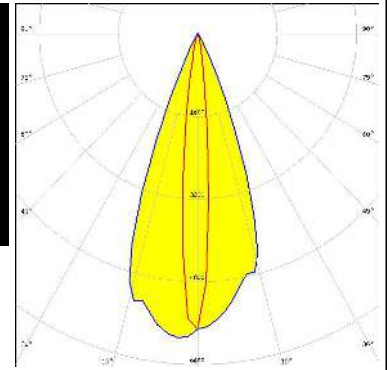
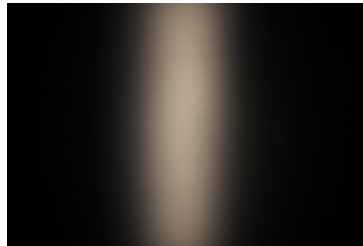
CREE → LED

LED XP-E
 FWHM / FWTM 40.0 + 13.0° / 55.0 + 24.0°
 Efficiency 91 %
 Peak intensity 4.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



CREE → LED

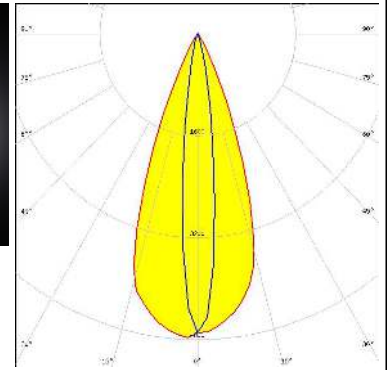
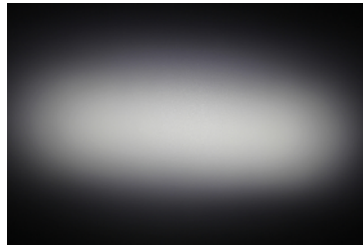
LED XP-E2
 FWHM / FWTM 41.0 + 11.0° / 55.0 + 22.0°
 Efficiency 88 %
 Peak intensity 5.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

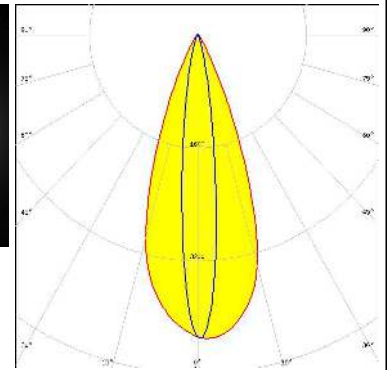
CREE → LED

LED XP-G2
 FWHM / FWTM 41.0 + 14.0° / 58.0 + 27.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



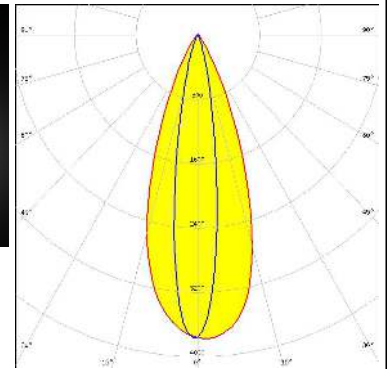
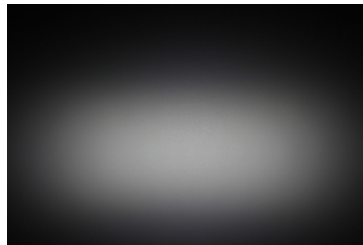
CREE → LED

LED XP-G3
 FWHM / FWTM 39.0 + 13.0° / 58.0 + 29.0°
 Efficiency 93 %
 Peak intensity 4.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



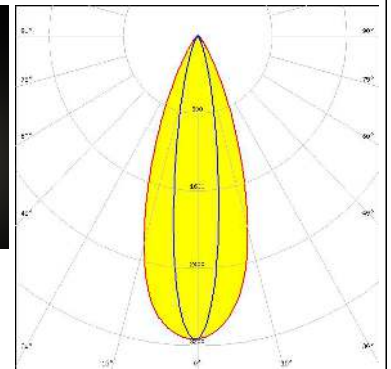
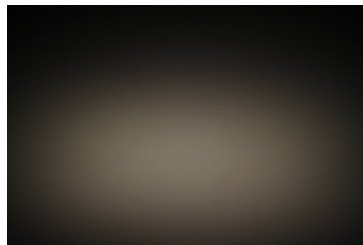
CREE → LED

LED XP-L HD
 FWHM / FWTM 38.0 + 16.0° / 60.0 + 34.0°
 Efficiency 89 %
 Peak intensity 3.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



CREE → LED

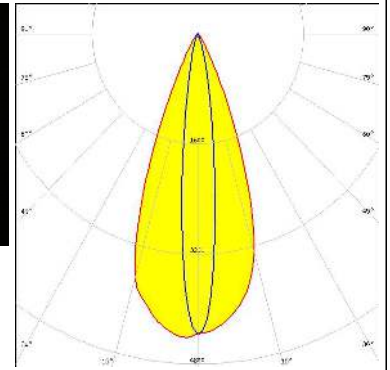
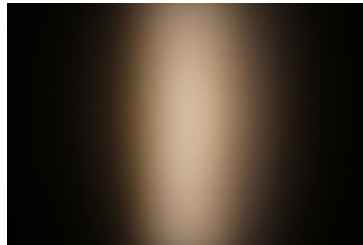
LED XP-L2
 FWHM / FWTM 38.0 + 17.0° / 64.0 + 38.0°
 Efficiency 84 %
 Peak intensity 3.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

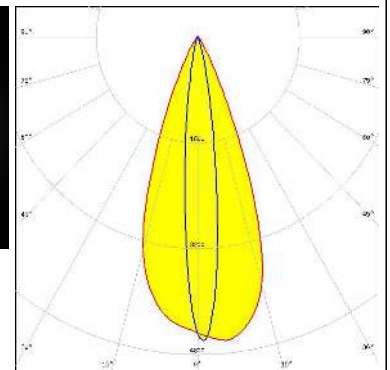
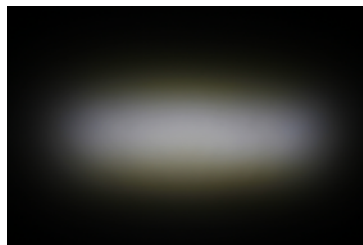
CREE LED

LED XT-E
 FWHM / FWTM 40.0 + 14.0° / 59.0 + 29.0°
 Efficiency 87 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



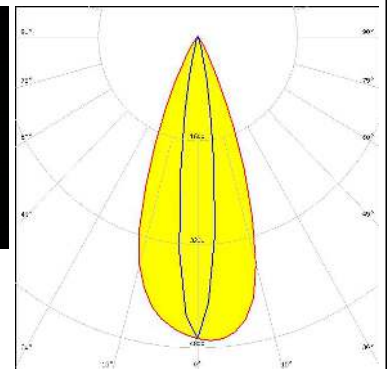
LUMILEDS

LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 40.0 + 13.0° / 58.0 + 26.0°
 Efficiency 88 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



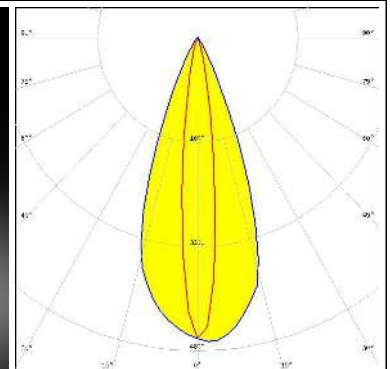
LUMILEDS

LED LUXEON T
 FWHM / FWTM 40.0 + 15.0° / 60.0 + 28.0°
 Efficiency 90 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


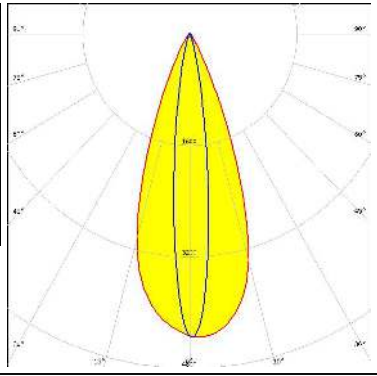

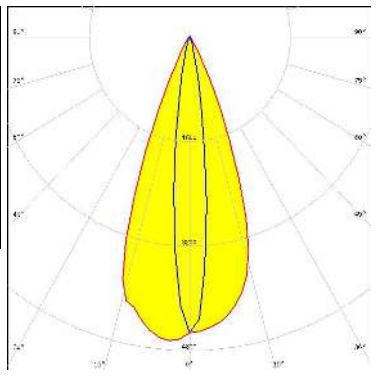

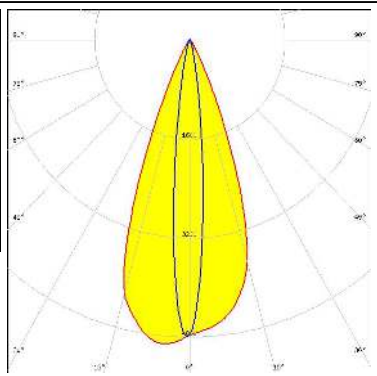

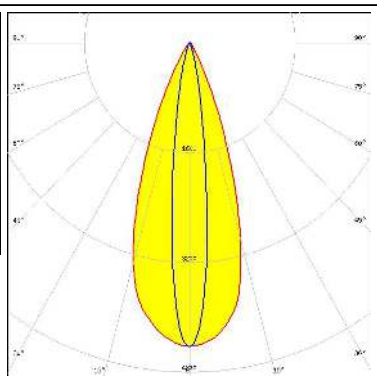


LUMILEDS


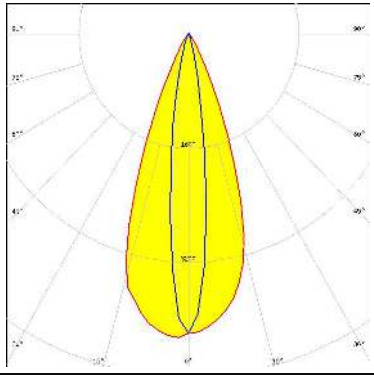



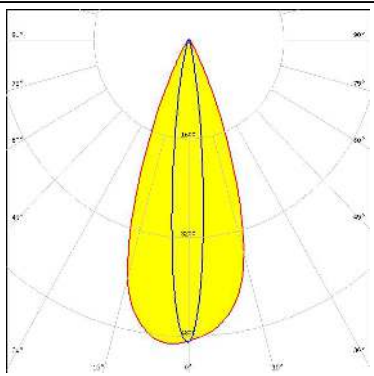
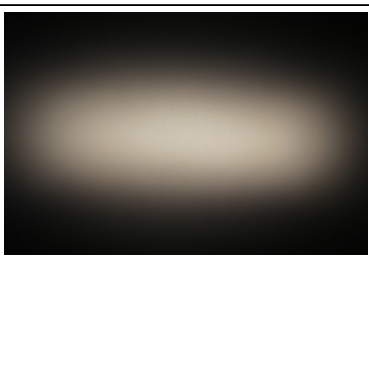
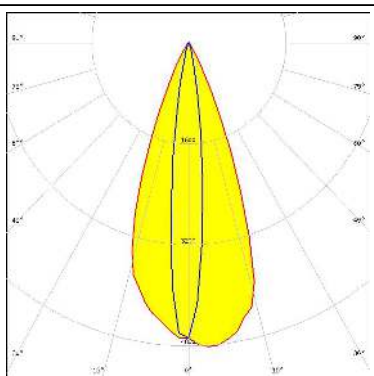
LED LUXEON TX
 FWHM / FWTM 41.0 + 14.0° / 59.0 + 27.0°
 Efficiency 87 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON V2</p> <p>FWHM / FWTM 39.0 + 13.0° / 58.0 + 29.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 4.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NCSxx19A</p> <p>FWHM / FWTM 41.0 + 13.0° / 58.0 + 27.0°</p> <p>Efficiency 87 %</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 NCSxx19B</p> <p>FWHM / FWTM 40.0 + 12.0° / 56.0 + 24.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219D</p> <p>FWHM / FWTM 38.0 + 14.0° / 59.0 + 29.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 4.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

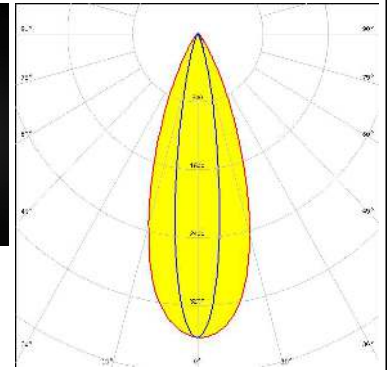
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19A</p> <p>FWHM / FWTM 40.0 + 15.0° / 60.0 + 30.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 4.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM 37.0 + 12.0° / 62.0 + 28.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 5.3 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 Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 39.0 + 12.0° / 57.0 + 25.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 4.9 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 OSLON Square EC</p> <p>FWHM / FWTM 40.0 + 13.0° / 58.0 + 27.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 4.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

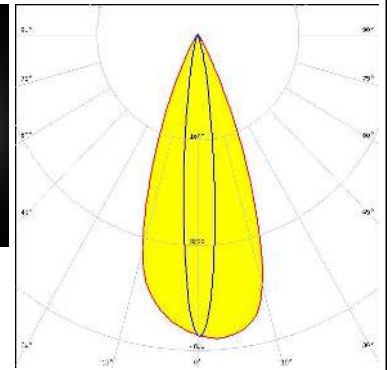
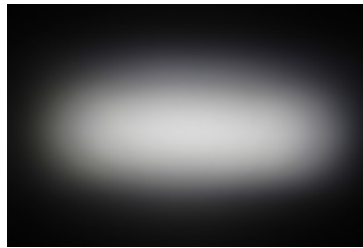
OPTICAL RESULTS (MEASURED):

SAMSUNG

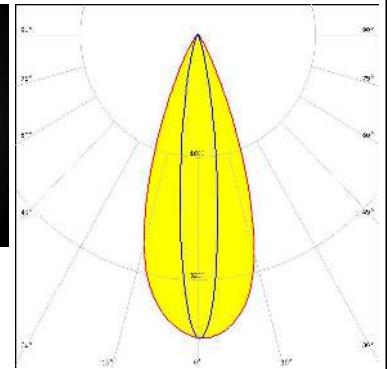
LED LH351D
 FWHM / FWTM 37.0 + 17.0° / 63.0 + 34.0°
 Efficiency 92 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



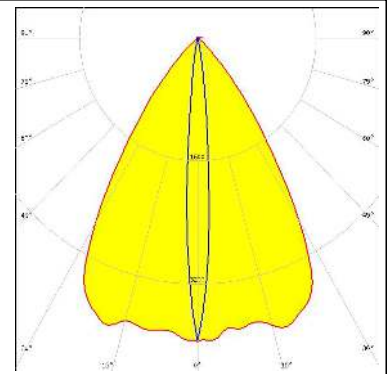
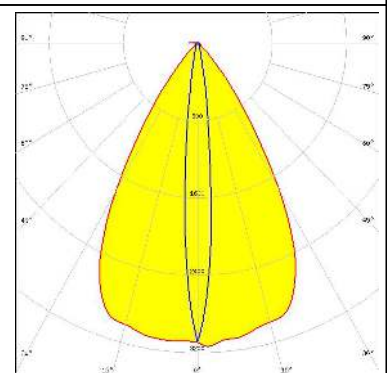
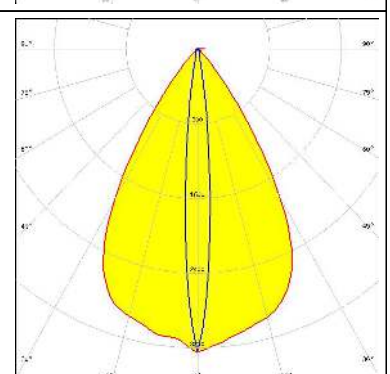
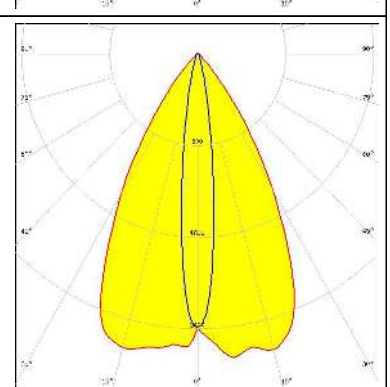
LED Z5M1/Z5M2
 FWHM / FWTM 40.0 + 12.0° / 57.0 + 26.0°
 Efficiency 86 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



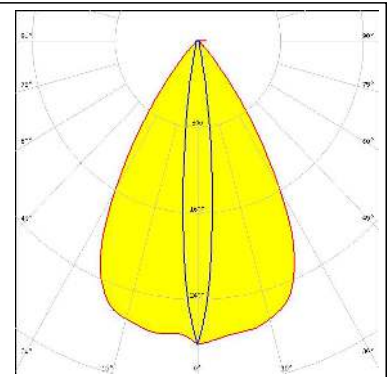
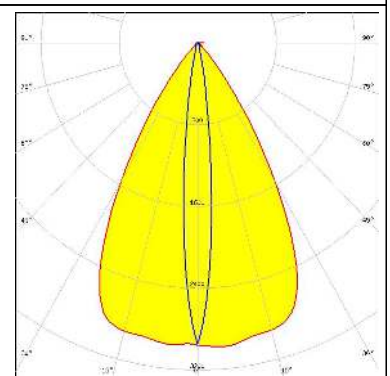
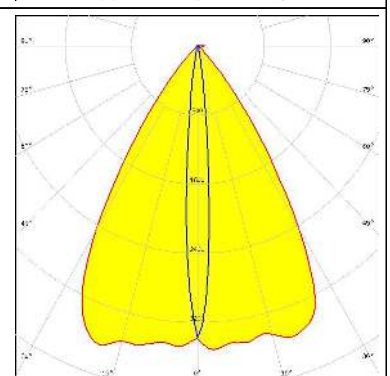
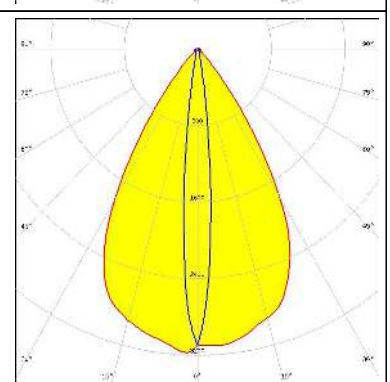
LED Z5M3
 FWHM / FWTM 39.0 + 15.0° / 60.0 + 32.0°
 Efficiency 94 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>CREE LED</p> <p>LED: XQ-E HD FWHM / FWTM: 66.0 + 9.0° / 89.0 + 18.0° Efficiency: 94 % Peak intensity: 4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 3535L FWHM / FWTM: 62.0 + 10.0° / 84.0 + 23.0° Efficiency: 91 % Peak intensity: 3.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NCSxE17A FWHM / FWTM: 62.0 + 10.0° / 82.0 + 20.0° Efficiency: 90 % Peak intensity: 3.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: 60.0 + 14.0° / 84.0 + 30.0° Efficiency: 88 % Peak intensity: 2.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

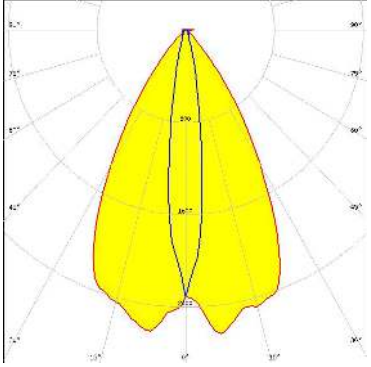
<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 62.0 + 12.0° / 84.0 + 24.0° Efficiency 90 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ C 2424 FWHM / FWTM 61.0 + 12.0° / 82.0 + 24.0° Efficiency 90 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3030 FWHM / FWTM 66.0 + 10.0° / 85.0 + 19.0° Efficiency 91 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSOLON Black FWHM / FWTM 62.0 + 10.0° / 83.0 + 20.0° Efficiency % Peak intensity 3.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM <small>Opto Semiconductors</small>	<p>LED OSLON Signal</p> <p>FWHM / FWTM 62.0 + 8.0° / 82.0 + 18.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Red</p> <p>Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED OSLON Square Flat</p> <p>FWHM / FWTM 61.0 + 10.0° / 82.0 + 23.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED OSLON SSL 150</p> <p>FWHM / FWTM 62.0 + 10.0° / 83.0 + 20.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED OSLON SSL 80</p> <p>FWHM / FWTM 62.0 + 10.0° / 84.0 + 24.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.2 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	SFH 4770S
FWHM / FWTM	63.0 + 11.0° / 83.0 + 27.0°
Efficiency	88 %
LEDs/each optic	1
Light colour	White
Required components:	
SEOUL SEMICONDUCTOR	
LED	Z8Y22P
FWHM / FWTM	60.0 + 12.0° / 84.0 + 30.0°
Efficiency	93 %
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.

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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