

VIRPI-W

~40° wide beam

SPECIFICATION:

Dimensions	74.9 x 74.9 mm
Height	9.5 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

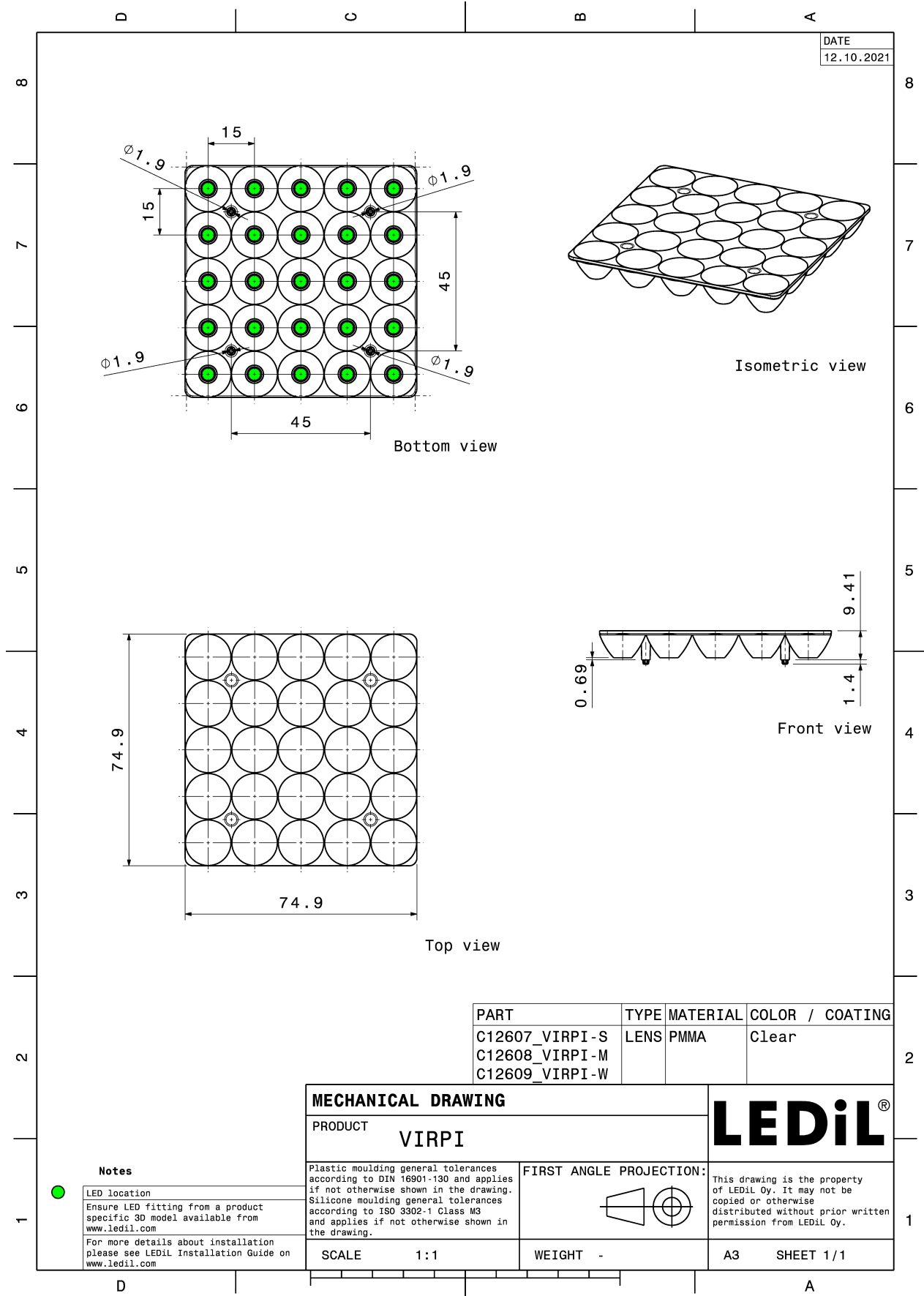


MATERIALS:

Component	Type	Material	Colour	Finish
VIRPI-W	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12609_VIRPI-W » Box size: 470 x 280 x 300 mm	360	45	15	12.6

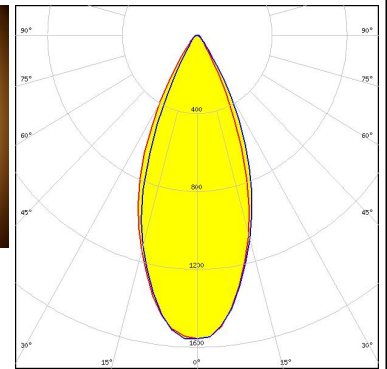
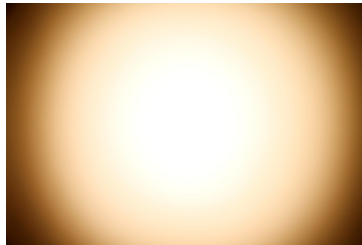


See also our general installation guide: www.ledil.com/installation_guide

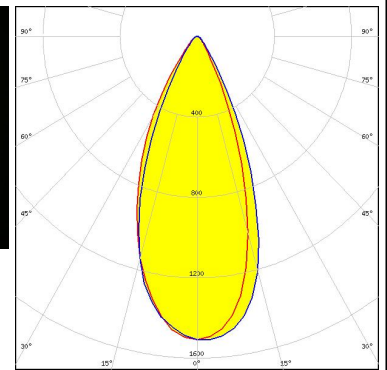
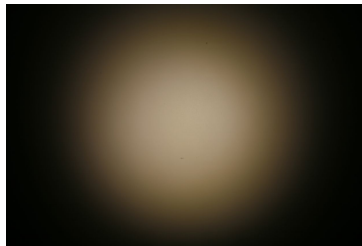
OPTICAL RESULTS (MEASURED):



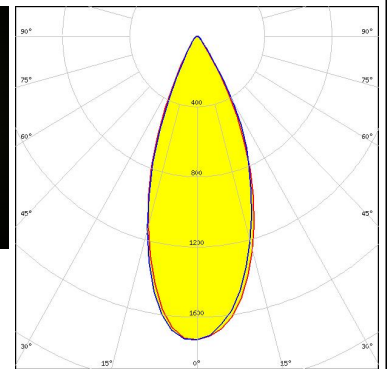
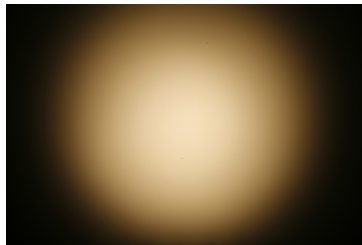
LED XB-D
 FWHM / FWTM 40.0° / 65.0°
 Efficiency 90 %
 Peak intensity 1.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



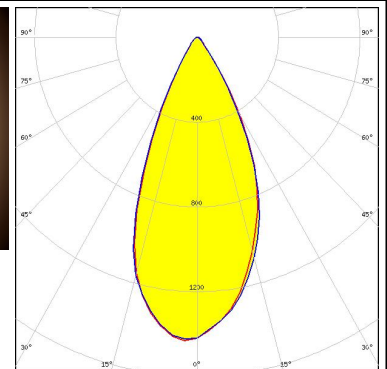
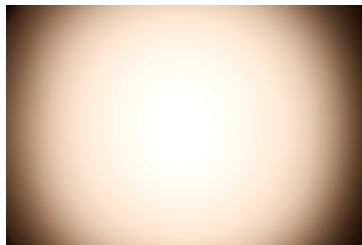
LED XH-B/G
 FWHM / FWTM 43.0° / 70.0°
 Efficiency 91 %
 Peak intensity 1.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-E2
 FWHM / FWTM 41.0° / 66.0°
 Efficiency 91 %
 Peak intensity 1.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



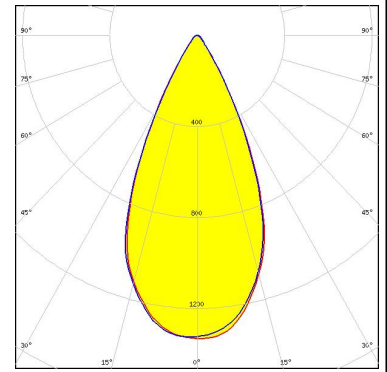
LED XP-G
 FWHM / FWTM 48.0° / 71.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



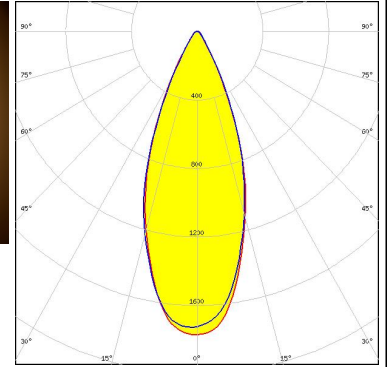
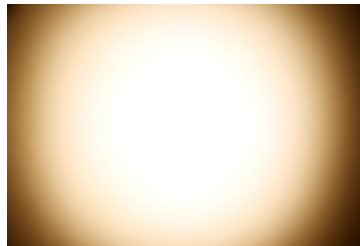
OPTICAL RESULTS (MEASURED):



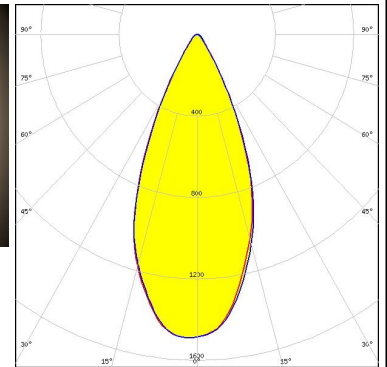
LED XP-G2
 FWHM / FWTM 49.0° / 72.0°
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



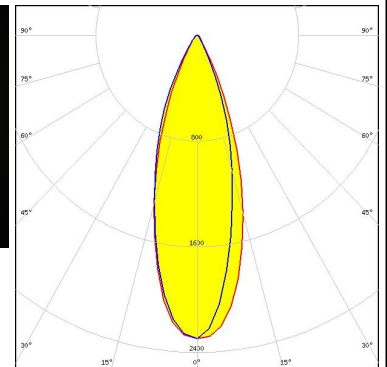
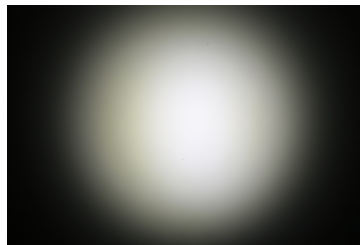
LED XT-E
 FWHM / FWTM 41.0° / 65.0°
 Efficiency 90 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



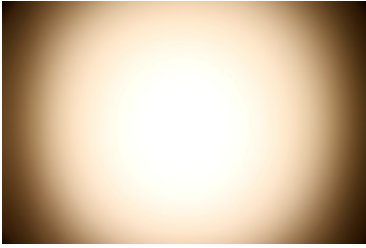
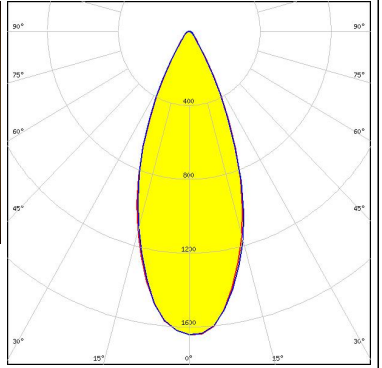

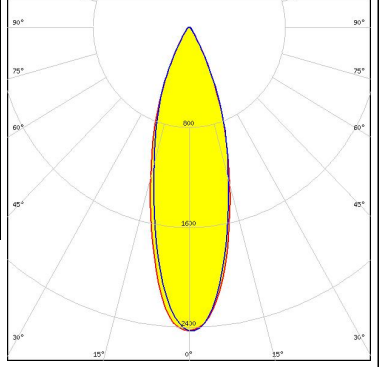

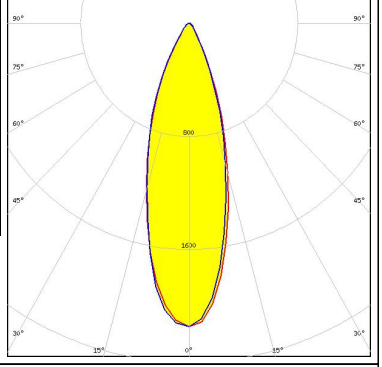

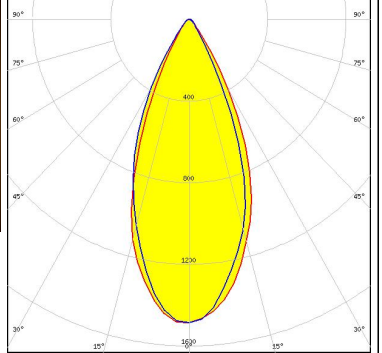
LED LUXEON Rebel ES
 FWHM / FWTM 42.0° / 69.0°
 Efficiency 91 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NF2x757A
 FWHM / FWTM 33.0° / 59.0°
 Efficiency 92 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



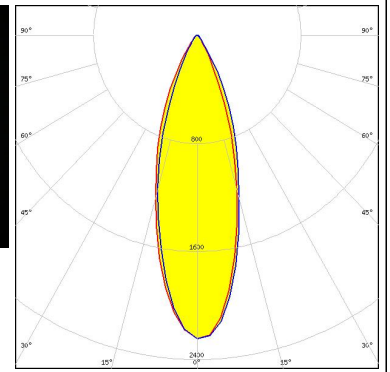
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19A FWHM / FWTM 40.0° / 65.0° Efficiency 90 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (Single chip) FWHM / FWTM 31.0° / 60.0° Efficiency 93 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 2226 FWHM / FWTM 32.0° / 62.0° Efficiency 90 % Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC FWHM / FWTM 43.0° / 68.0° Efficiency 91 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

SAMSUNG

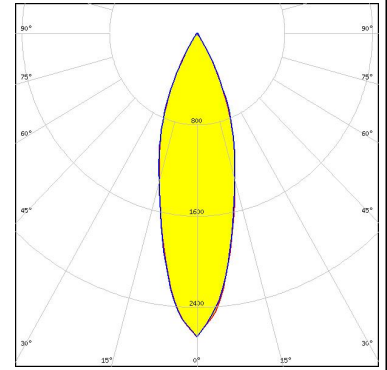
LED LM231 A/B
FWHM / FWTM 32.0° / 62.0°
Efficiency 92 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

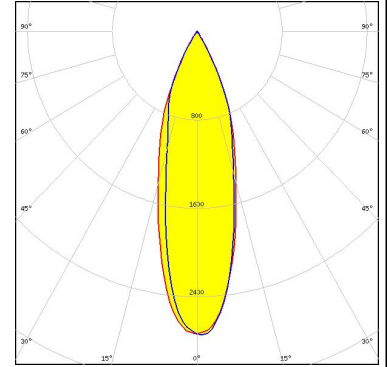
LUMILEDS

LED LUXEON 2835 Line
 FWHM / FWTM 30.0° / 60.0°
 Efficiency 96 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



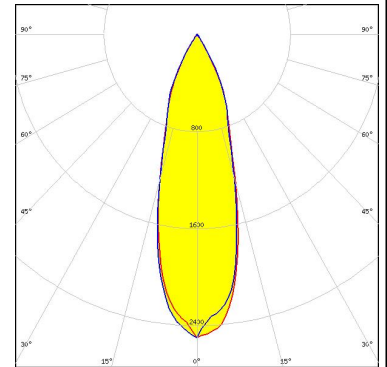
LUMILEDS

LED LUXEON 3535L
 FWHM / FWTM 28.0° / 59.0°
 Efficiency 93 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



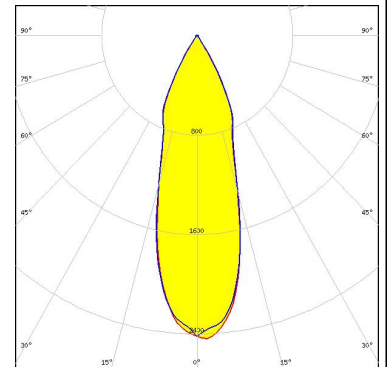
LUMILEDS

LED LUXEON C
 FWHM / FWTM 30.0° / 60.0°
 Efficiency 86 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

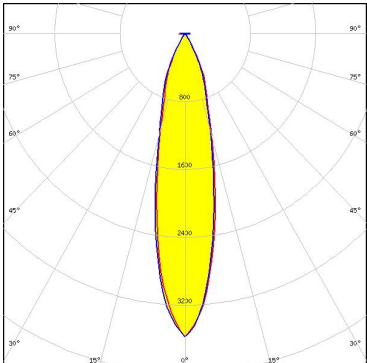
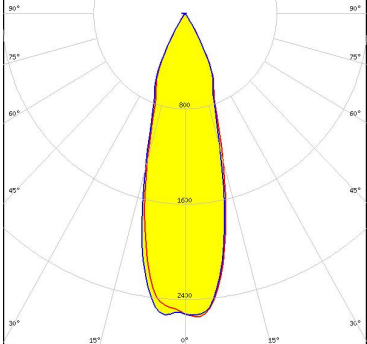
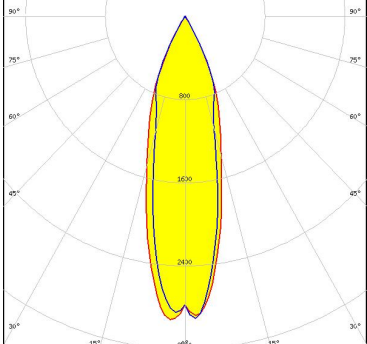
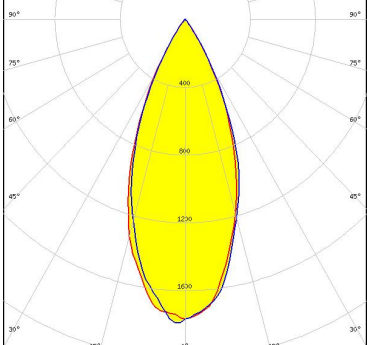


LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 32.0° / 63.0°
 Efficiency 94 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



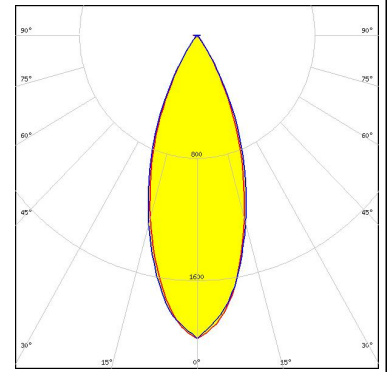
OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON IR Domed 150 (L110-0xxx150000000)</p> <p>FWHM / FWTM: 23.0° / 54.0°</p> <p>Efficiency: 94 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: IR</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON SunPlus 20 Line (150 deg)</p> <p>FWHM / FWTM: 29.0° / 60.0°</p> <p>Efficiency: 87 %</p> <p>Peak intensity: 2.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON SunPlus 35 Line</p> <p>FWHM / FWTM: 26.0° / 58.0°</p> <p>Efficiency: 93 %</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 T</p> <p>FWHM / FWTM: 42.0° / 67.0°</p> <p>Efficiency: 93 %</p> <p>Peak intensity: 1.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

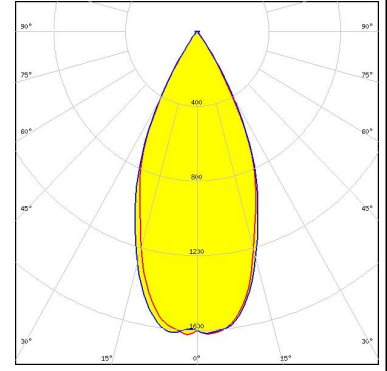
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 38.0° / 66.0°
 Efficiency 93 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



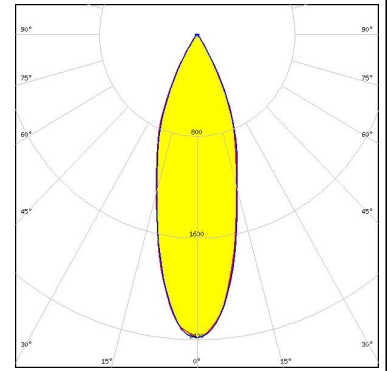
LUMINUS

LED SST-10-B130
 FWHM / FWTM 47.0° / 68.0°
 Efficiency 96 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



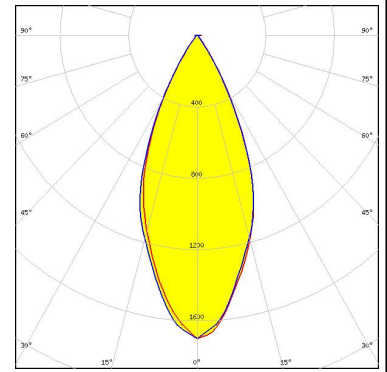
LUMINUS

LED SST-20
 FWHM / FWTM 32.0° / 62.0°
 Efficiency 96 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


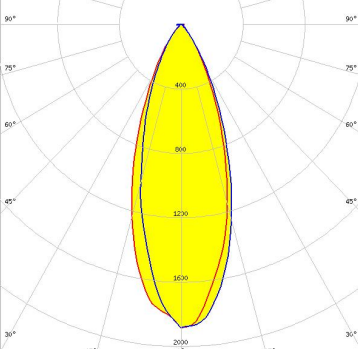
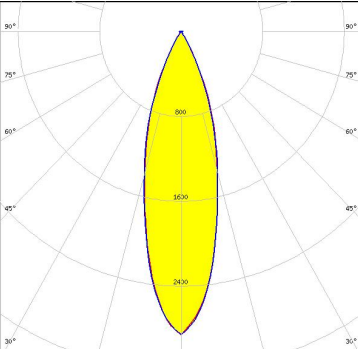
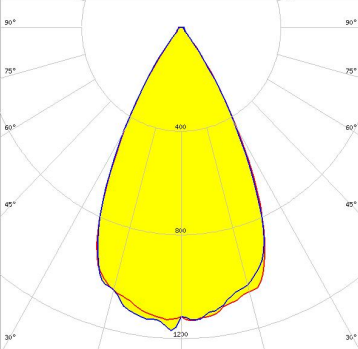
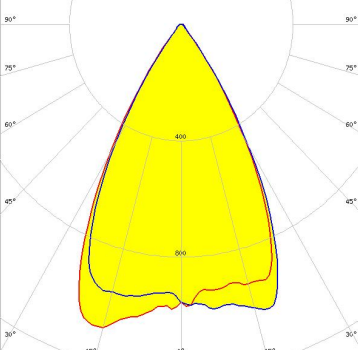


NICHIA


LED NVSxx19B/NVSxx19C
 FWHM / FWTM 44.0° / 69.0°
 Efficiency 94 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 36.0° / 69.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	 <p>Detector Image: Luminous Intensity</p> <p>24.5.2023 Detector: 1, 1000 Surface 1: File: 12609_VIRPI-W_01.dwg; Data: 12609_VIRPI-W_01.dwg Peak Intensity: 1.9 cd/lm; Luminous Flux: Total Power: 1.2 W (6000 Lumens)</p>	
<p>SAMSUNG</p> <p>LED LH181B</p> <p>FWHM / FWTM 29.0° / 56.0°</p> <p>Efficiency 95 %</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>SAMSUNG</p> <p>LED LH351B</p> <p>FWHM / FWTM 55.0° / 76.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SAMSUNG</p> <p>LED LH351C</p> <p>FWHM / FWTM 54.0° / 75.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3030</p> <p>FWHM / FWTM: 35.5° / 62.8°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 2.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22</p> <p>FWHM / FWTM: 31.5° / 57.9°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 2.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

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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