

STRADELLA-IP-28-HB-W

~90° wide beam. Variant made from PMMA.

SPECIFICATION:

Dimensions	100.0 x 100.0 mm
Height	9.5 mm
Fastening	pin, screw
Ingress protection classes	IP66, IP67
ROHS compliant	yes ⓘ

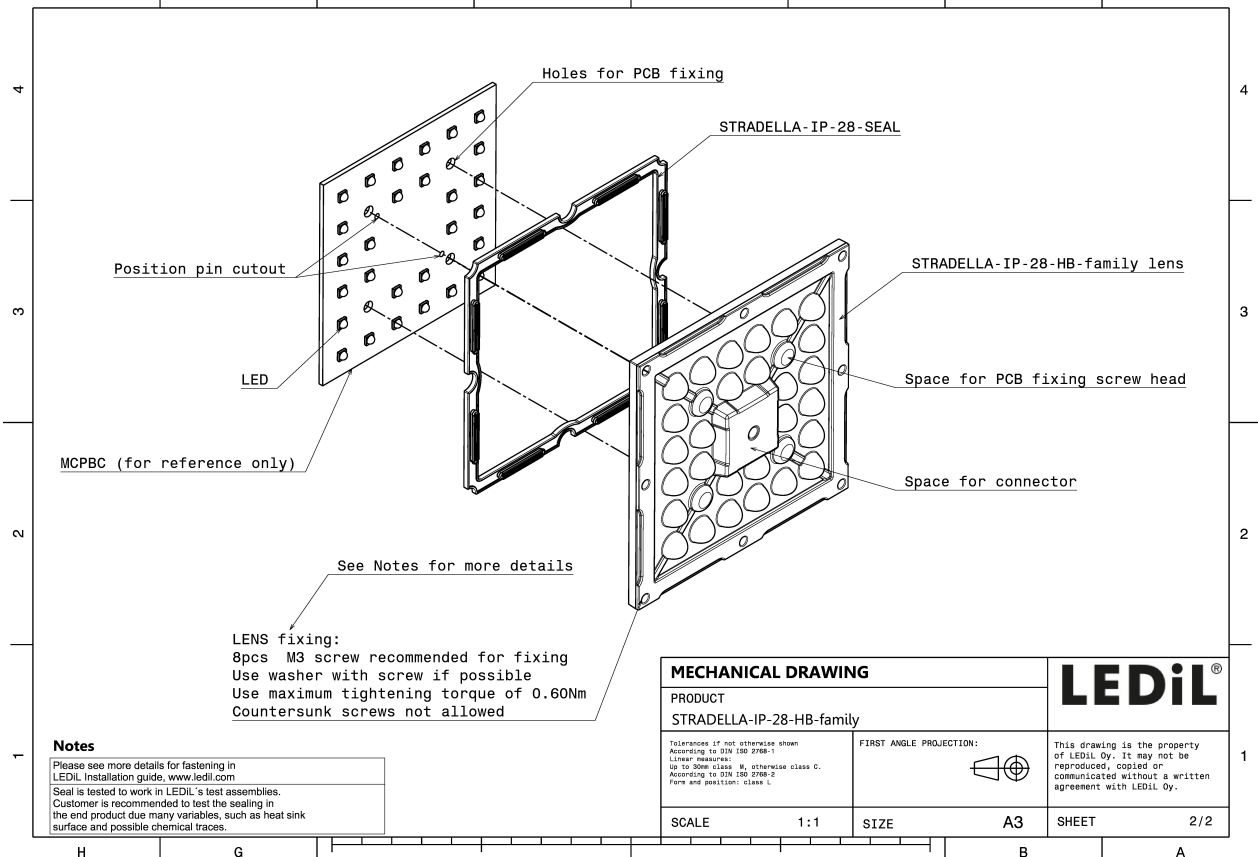
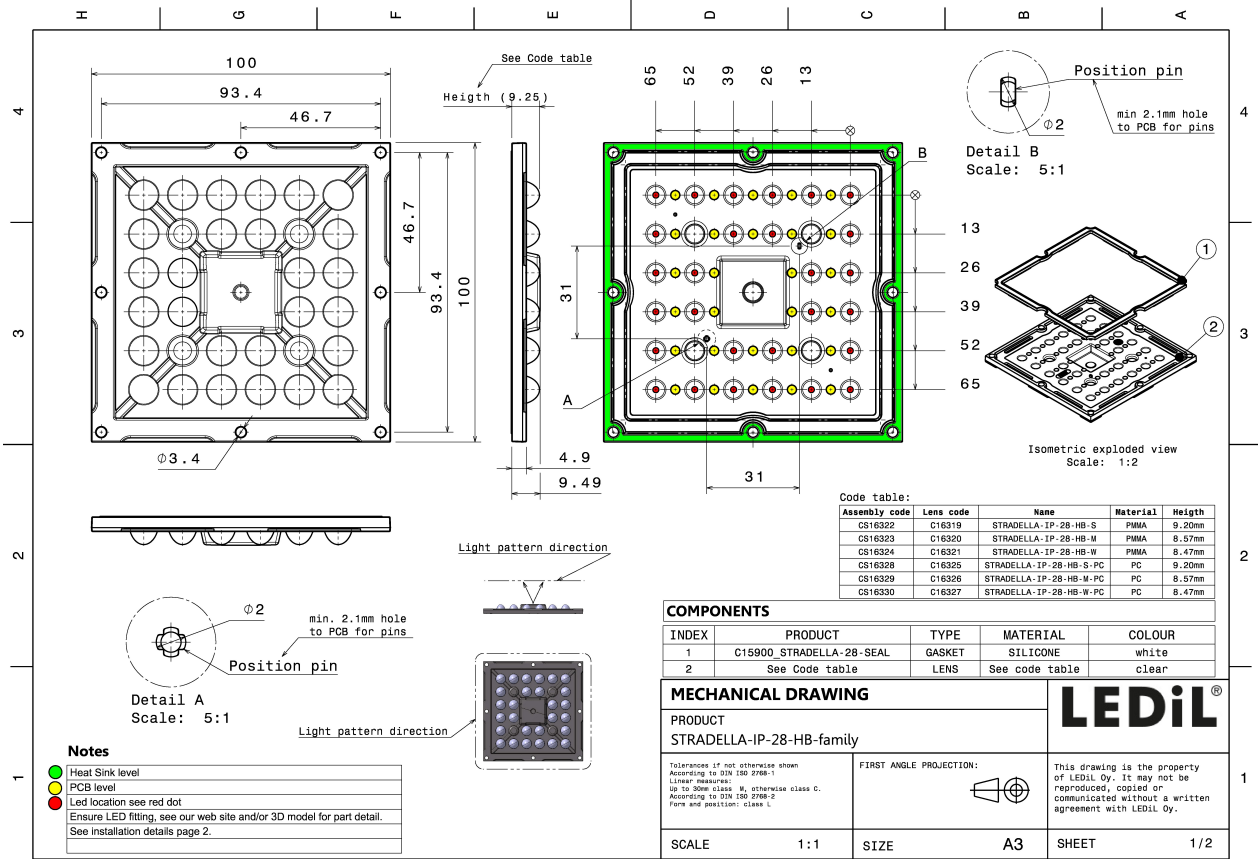
MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-IP-28-HB-W	Multi-lens	PMMA	clear	
STRADELLA-28-SEAL	Seal	Silicone	white	

ORDERING INFORMATION:



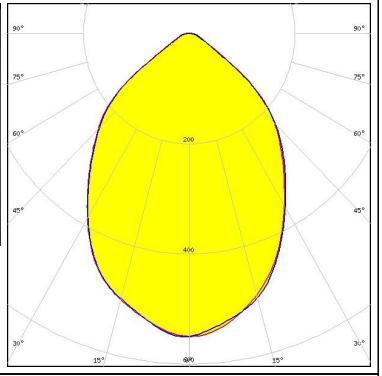


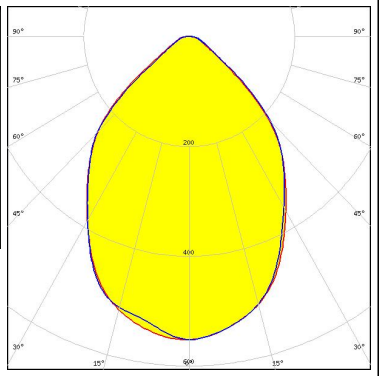

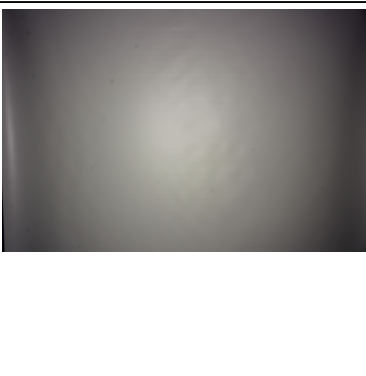
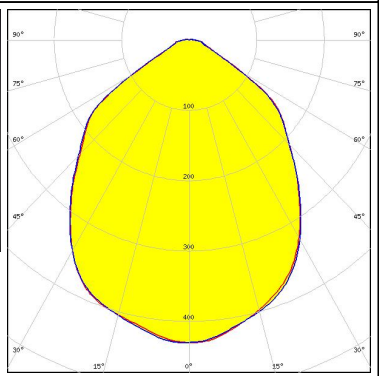


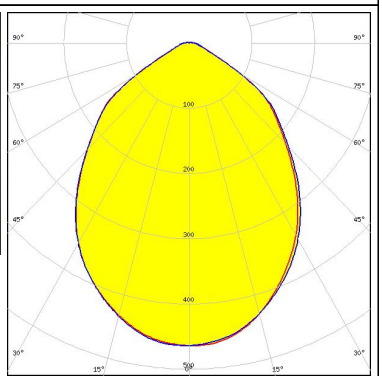
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16324_STRADELLA-IP-28-HB-W	Multi-lens	156	78	78	5.9
» Box size: 476 x 273 x 247 mm					




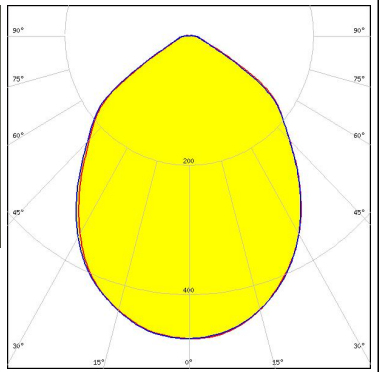

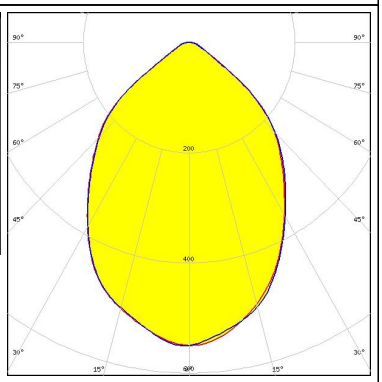

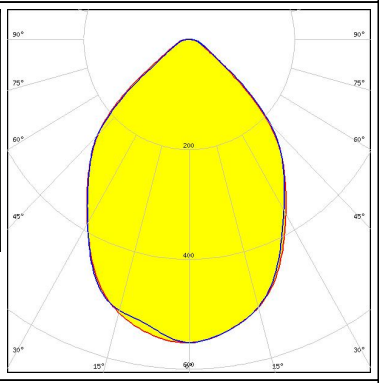

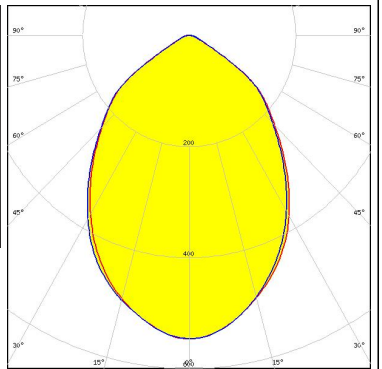


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p></p> <p>LED HiQLED STR28 CR JE2835 4x7 xxx</p> <p>FWHM / FWTM 81.0° / 119.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED HiQLED STR28 CR JK3030 4x7 xxx</p> <p>FWHM / FWTM 81.0° / 117.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED QUICK FLUX STR28 XD2x14 xxx G8</p> <p>FWHM / FWTM 91.0° / 130.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED QUICK FLUX STR28 XP2x14 xxx G7</p> <p>FWHM / FWTM 88.0° / 129.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

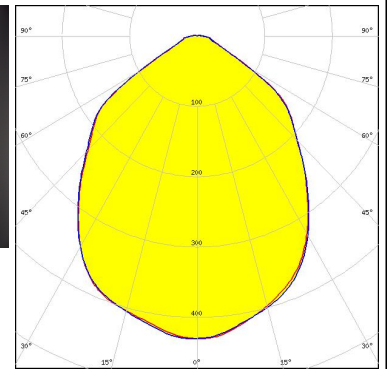
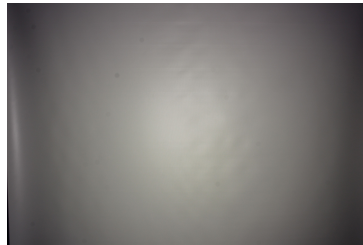
OPTICAL RESULTS (MEASURED):

<p>COMET ELECTRONICS</p> <p>LED QUICK FLUX STR28 XT2x14 xxx G5 FWHM / FWTM 89.0° / 131.0° Efficiency 94 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED J Series 2835 FWHM / FWTM 81.0° / 119.0° Efficiency 94 % Peak intensity 0.6 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED J Series 3030 FWHM / FWTM 81.0° / 117.0° Efficiency 93 % Peak intensity 0.6 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED J Series 3030 FWHM / FWTM 80.0° / 123.0° Efficiency 96 % Peak intensity 0.5 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

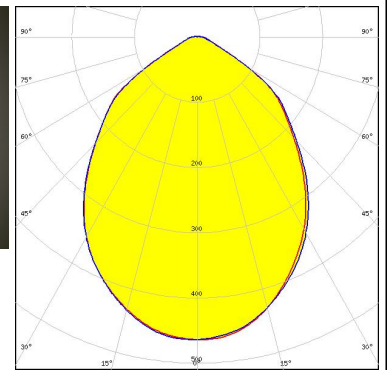
OPTICAL RESULTS (MEASURED):



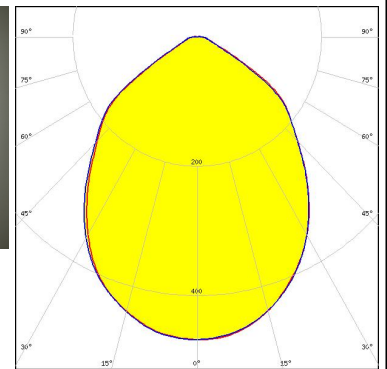
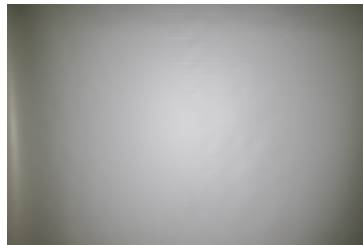
LED XD16
 FWHM / FWTM 91.0° / 130.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



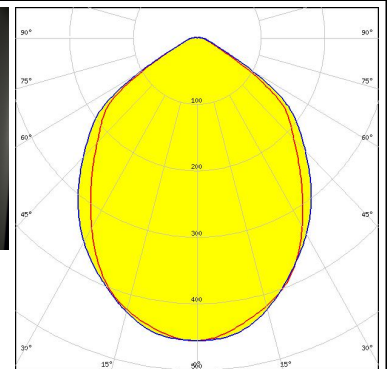
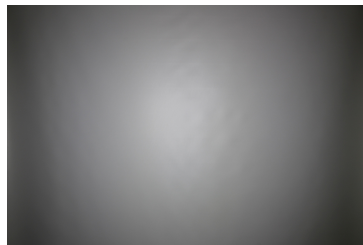
LED XP-G3
 FWHM / FWTM 88.0° / 129.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LED XT-E
 FWHM / FWTM 89.0° / 131.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



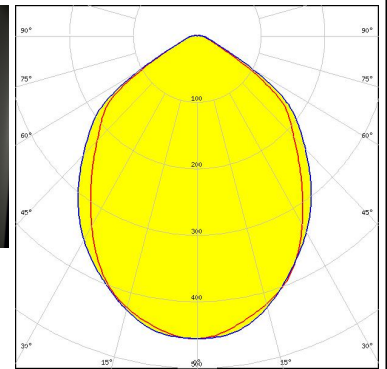
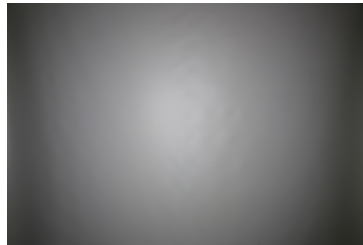
LED NF2W585AR
 FWHM / FWTM 91.0° / 129.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



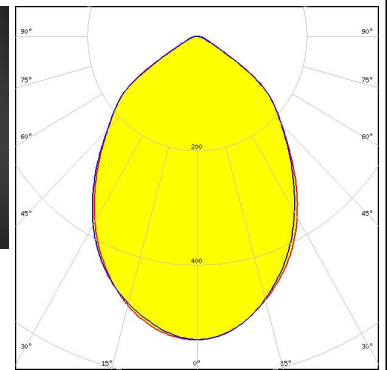
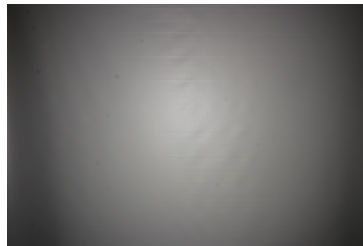
OPTICAL RESULTS (MEASURED):



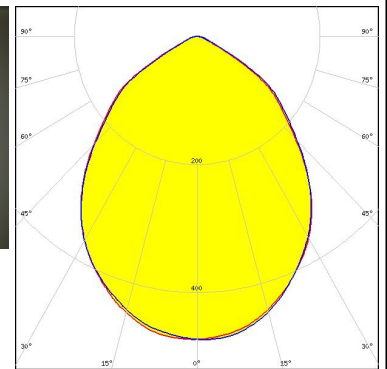
LED NF2W585AR
 FWHM / FWTM 91.0° / 129.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



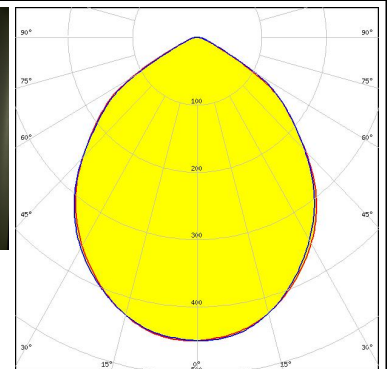
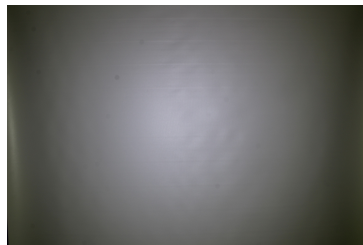
LED NF2x757G
 FWHM / FWTM 81.0° / 123.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW219F
 FWHM / FWTM 89.0° / 128.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW319B
 FWHM / FWTM 94.0° / 130.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

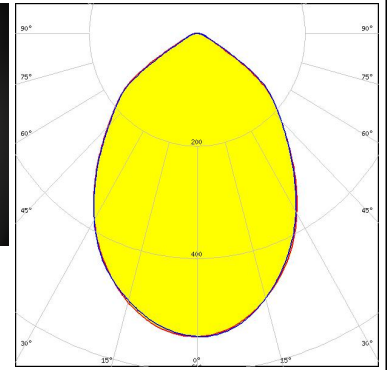
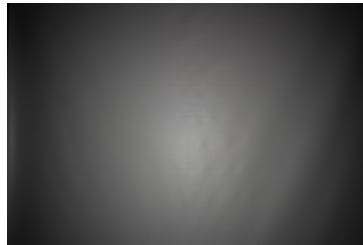


OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

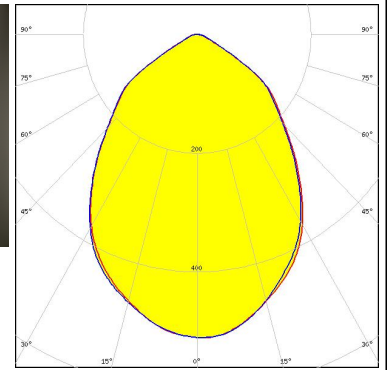
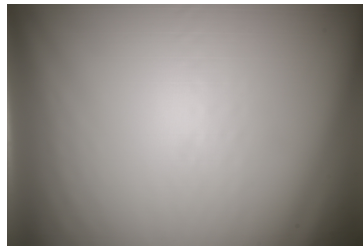
LED OSCONIQ S 3030 (QSLR31)
 FWHM / FWTM 81.0° / 123.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

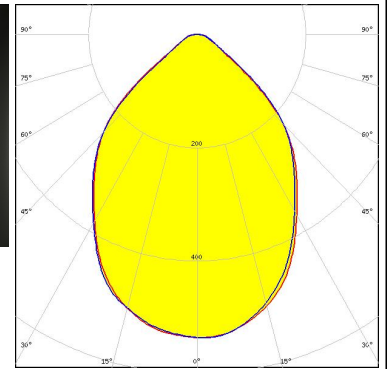
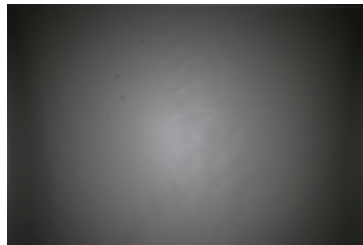
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 82.0° / 126.0°
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



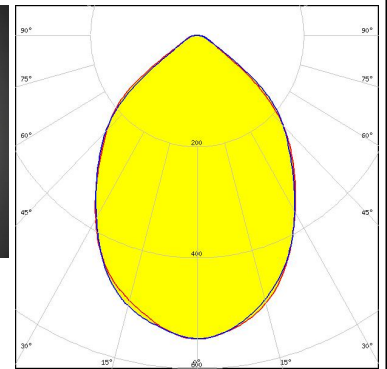
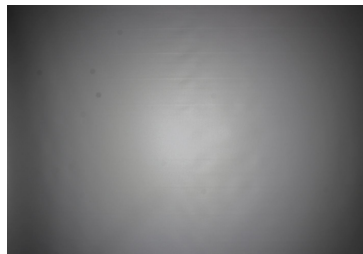
SAMSUNG

LED HiLOM SC28 (LH181B)
 FWHM / FWTM 83.0° / 119.0°
 Efficiency 93 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED HiLOM SM28 (LM301B)
 FWHM / FWTM 81.0° / 119.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



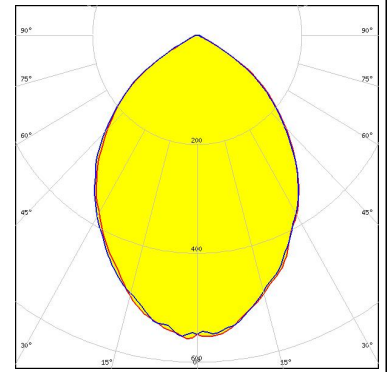
OPTICAL RESULTS (MEASURED):



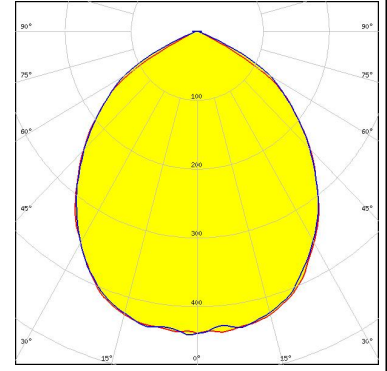
OPTICAL RESULTS (SIMULATED):



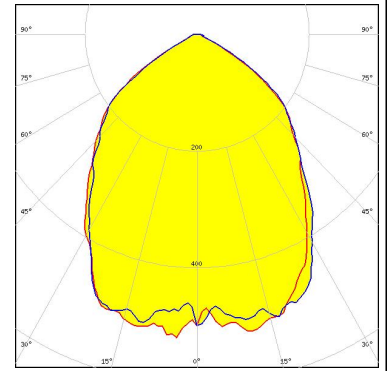
LED J Series 5050 Round LES
 FWHM / FWTM 82.0° / 122.0°
 Efficiency 95 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



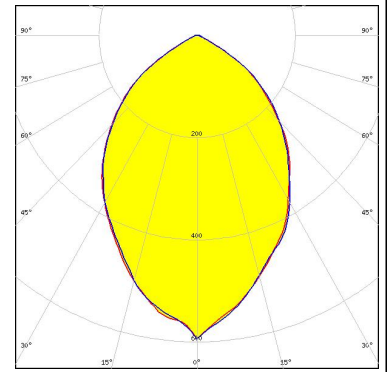
LED XP-G2 HE
 FWHM / FWTM 96.0° / 129.0°
 Efficiency 95 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 85.0° / 125.0°
 Efficiency 92 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



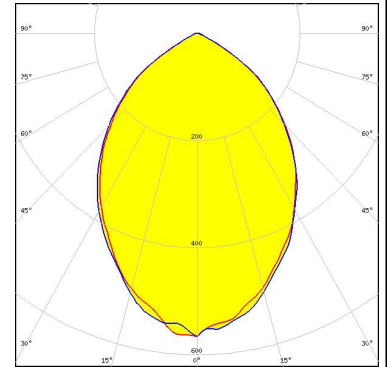
LED LUXEON 5050 Round LES
 FWHM / FWTM 78.0° / 123.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

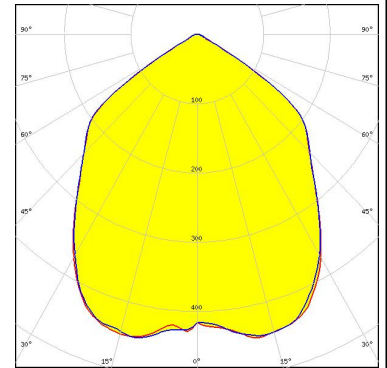
LUMILEDS

LED LUXEON 5050 Square LES
 FWHM / FWTM 81.0° / 123.0°
 Efficiency 95 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



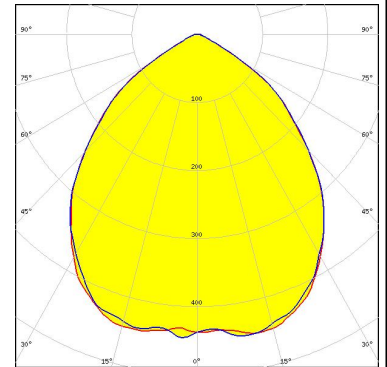
NICHIA

LED NVSxE21A
 FWHM / FWTM 96.0° / 122.0°
 Efficiency 93 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



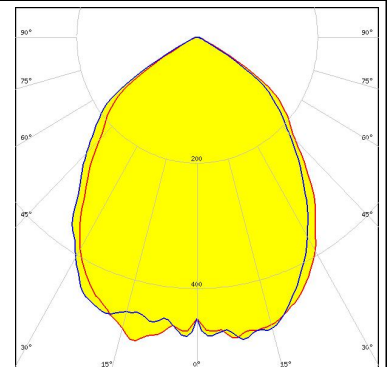
NICHIA

LED NVSxx19B/NVSxx19C
 FWHM / FWTM 94.0° / 126.0°
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors
 LED Duris S5 (2 chip)
 FWHM / FWTM 86.0° / 124.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

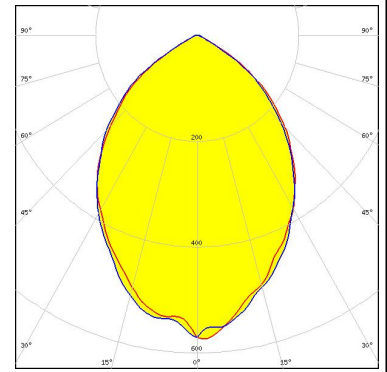


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

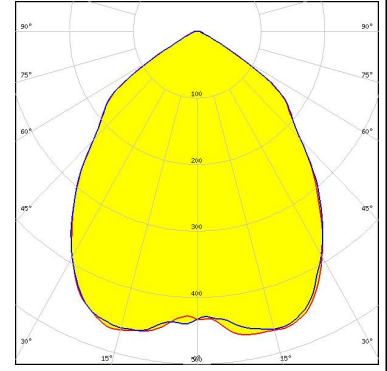
LED Duris S8
 FWHM / FWTM 81.0° / 122.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

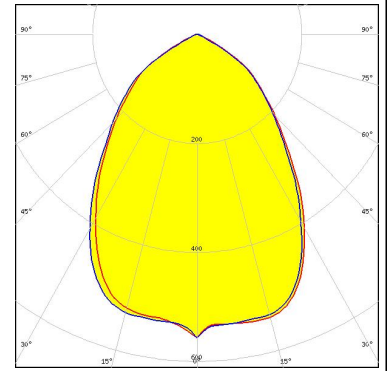
LED OSCONIQ C 2424
 FWHM / FWTM 90.0° / 124.0°
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

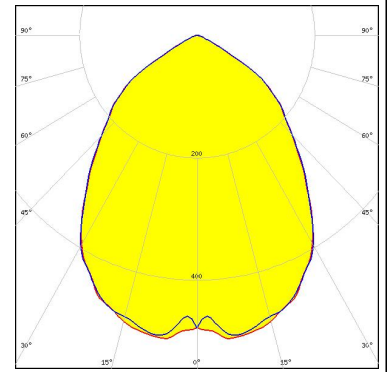
LED OSCONIQ P 3030
 FWHM / FWTM 78.0° / 124.0°
 Efficiency 96 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 86.0° / 124.0°
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

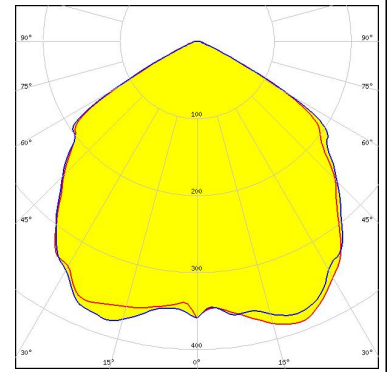


OPTICAL RESULTS (SIMULATED):

OSRAM

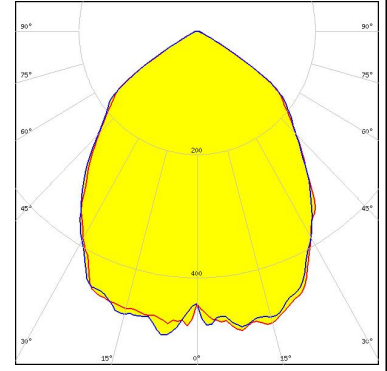
Opto Semiconductors

LED OSLON SSL 150
 FWHM / FWTM 107.0° / 130.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



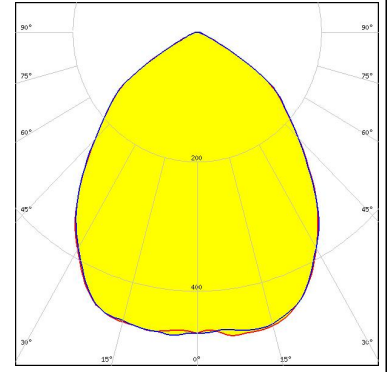
SAMSUNG

LED LM301B
 FWHM / FWTM 87.0° / 123.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



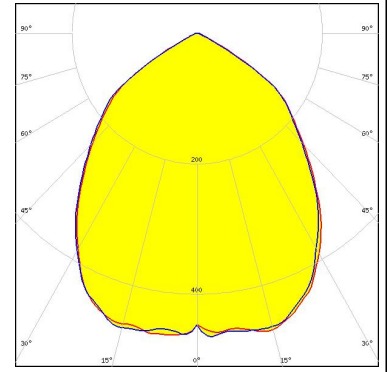
SEOUL SEMICONDUCTOR

LED SEOUL 3030
 FWHM / FWTM 90.0° / 126.0°
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

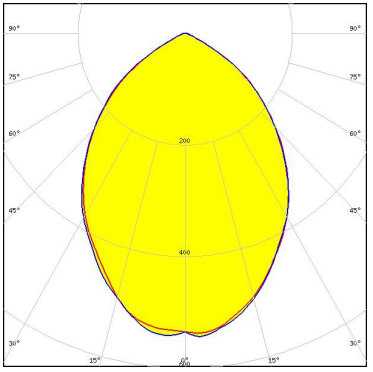
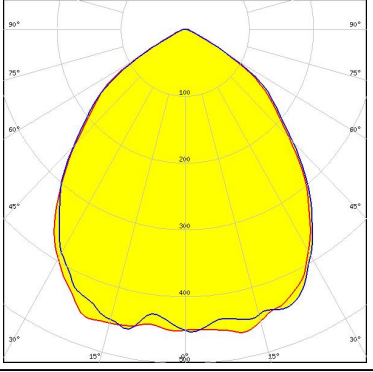
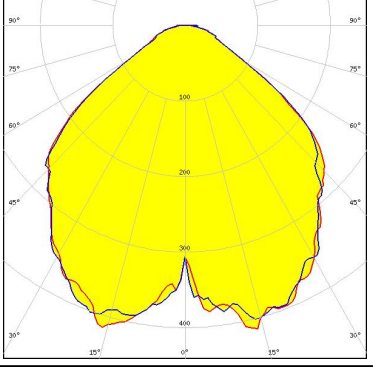
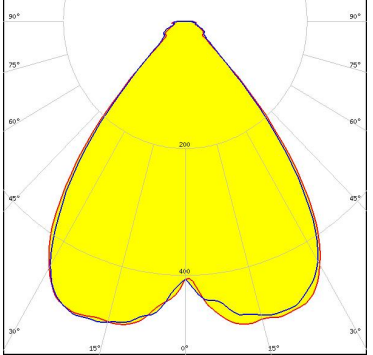


SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C
 FWHM / FWTM 91.0° / 124.0 + 126.0°
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 5050 6V</p> <p>FWHM / FWTM: 82.0° / 125.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED: Z5M1/Z5M2</p> <p>FWHM / FWTM: 91.0° / 127.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.5 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: 100.0° / 141.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 0.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22T</p> <p>FWHM / FWTM: 93.0° / 123.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.5 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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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

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