

STRADELLA-IP-28-HB-S

~30° spot 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 ⓘ

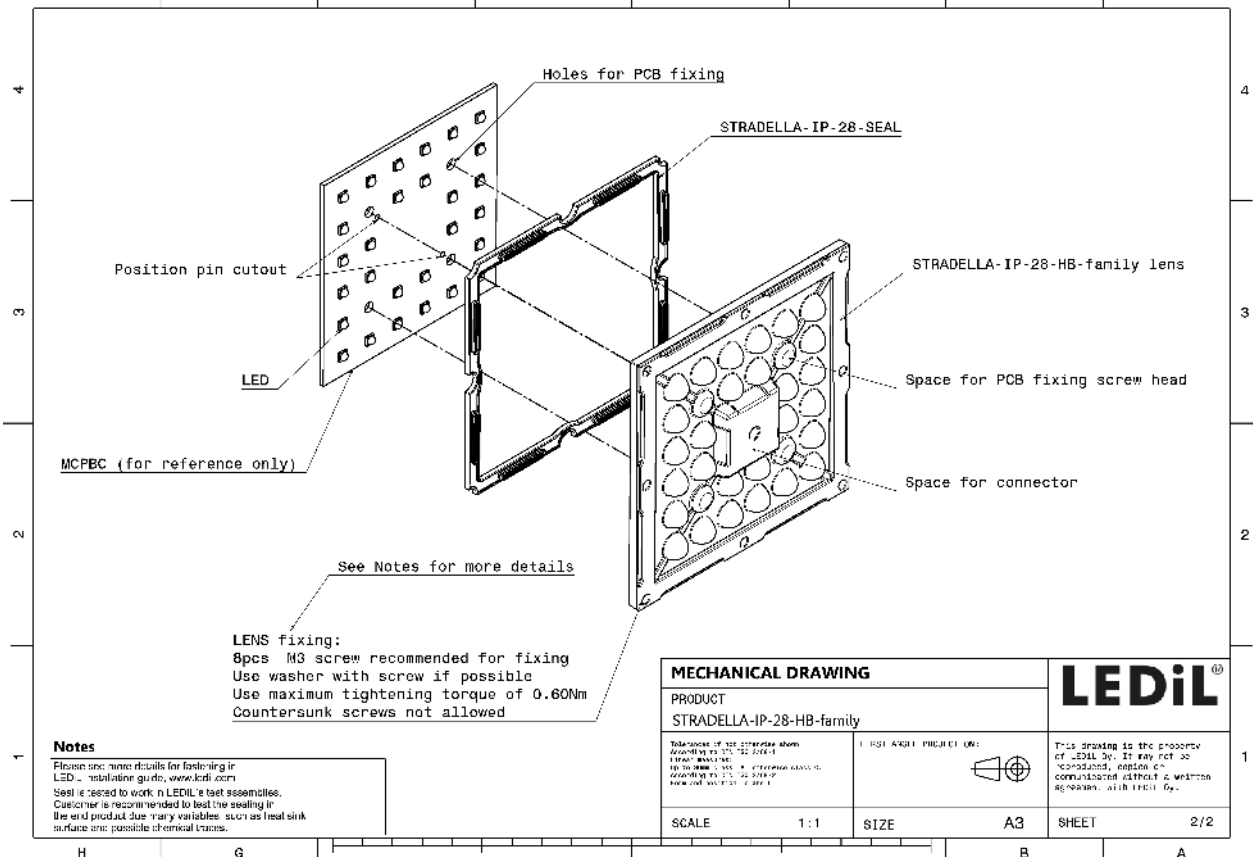
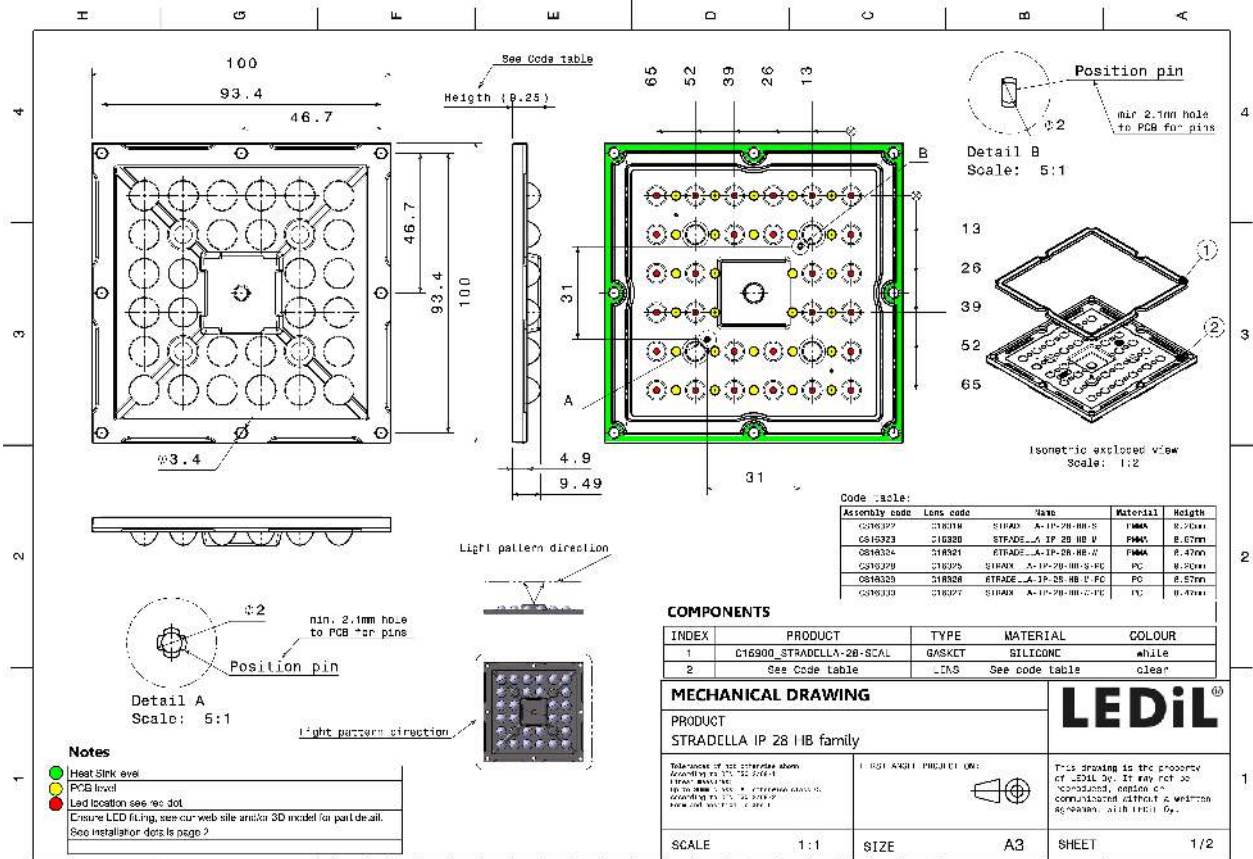
MATERIALS:

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





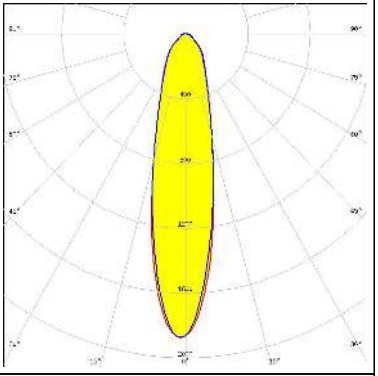


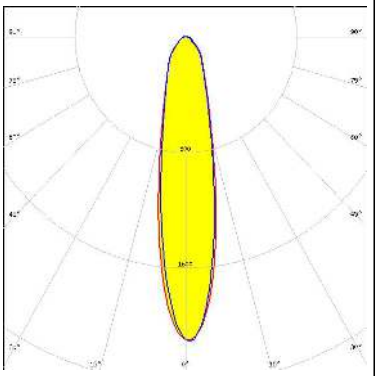


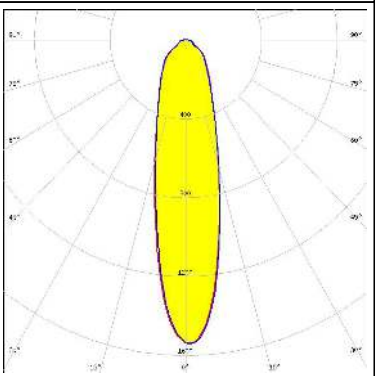


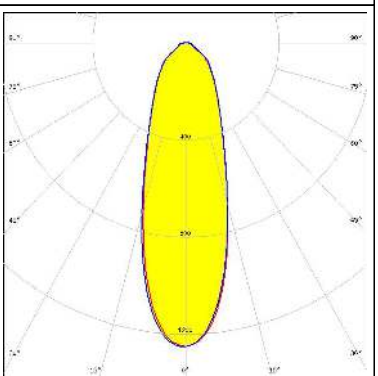
ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CS16322_STRADELLA-IP-28-HB-S » Box size: 476 x 273 x 247 mm	Multi-lens	156	78	78	5.9



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

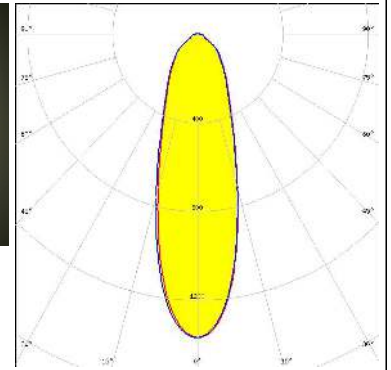
OPTICAL RESULTS (MEASURED):

 <p>LED HiQLED STR28 CR JE2835 4x7 xxx FWHM / FWTM 24.0° / 75.0° Efficiency 91 % Peak intensity 1.9 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
 <p>LED HiQLED STR28 CR JK3030 4x7 xxx FWHM / FWTM 22.0° / 69.0° Efficiency 90 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
 <p>LED QUICK FLUX STR28 XD2x14 xxx G8 FWHM / FWTM 26.0° / 88.0° Efficiency 91 % Peak intensity 1.6 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
 <p>LED QUICK FLUX STR28 XP2x14 xxx G7 FWHM / FWTM 33.0° / 99.0° Efficiency 92 % Peak intensity 1.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

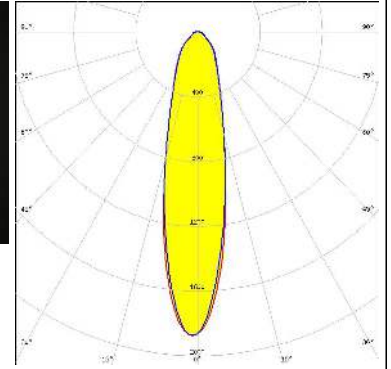
OPTICAL RESULTS (MEASURED):



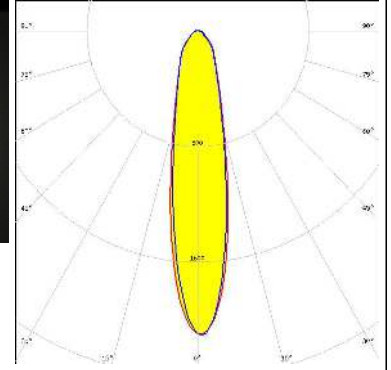
LED QUICK FLUX STR28 XT2x14 xxx G5
FWHM / FWTM 32.0° / 95.0°
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



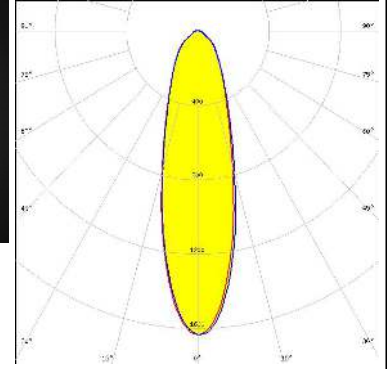
LED J Series 2835
FWHM / FWTM 24.0° / 75.0°
Efficiency 91 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED J Series 3030
FWHM / FWTM 22.0° / 69.0°
Efficiency 90 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



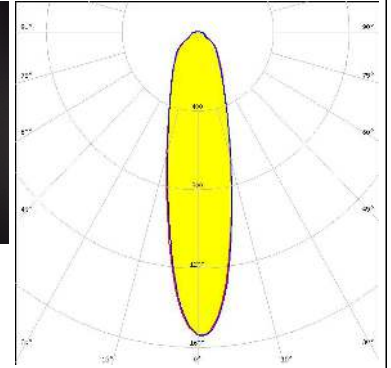
LED J Series 3030
FWHM / FWTM 28.0° / 83.0°
Efficiency 93 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

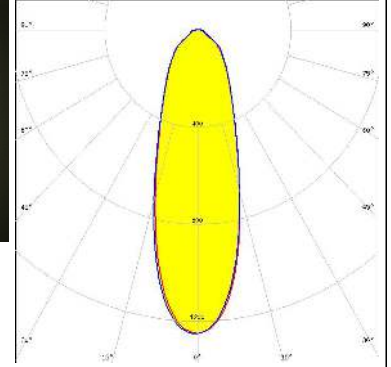
CREE → LED

LED XD16
 FWHM / FWTM 26.0° / 88.0°
 Efficiency 91 %
 Peak intensity 1.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



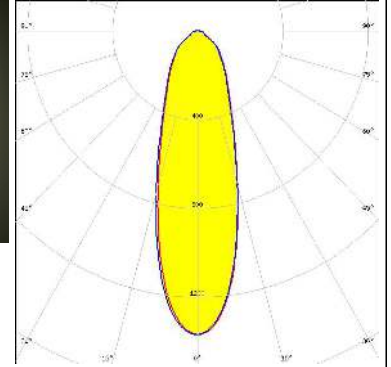
CREE → LED

LED XP-G3
 FWHM / FWTM 33.0° / 99.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



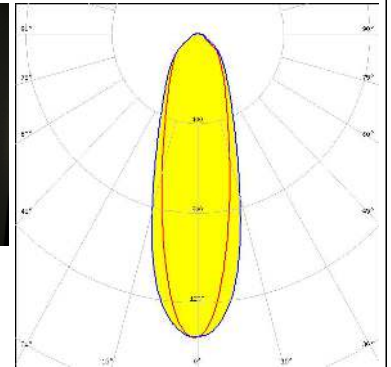
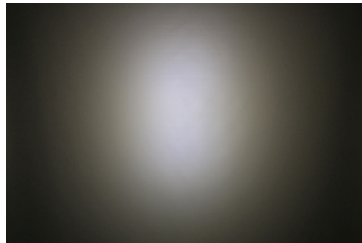
CREE → LED

LED XT-E
 FWHM / FWTM 32.0° / 95.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

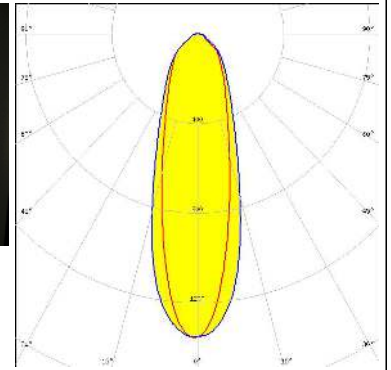
LED NF2W585AR
 FWHM / FWTM 31.0° / 96.0°
 Efficiency 91 %
 Peak intensity 1.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



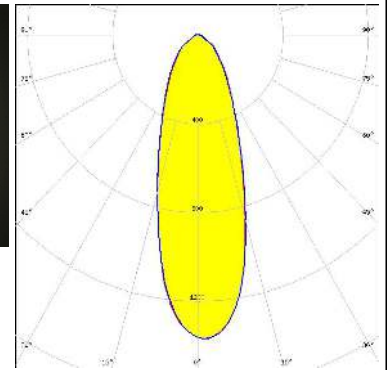
OPTICAL RESULTS (MEASURED):



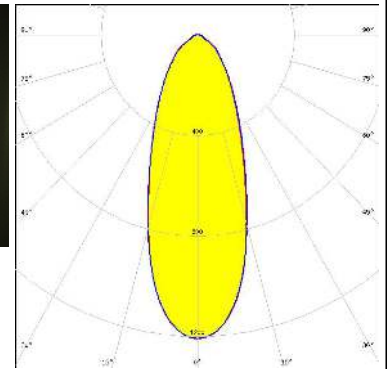
LED NF2W585AR
 FWHM / FWTM 31.0° / 97.0°
 Efficiency 91 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



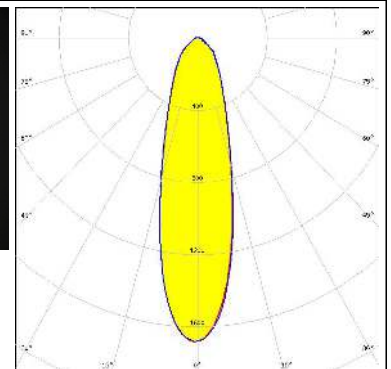
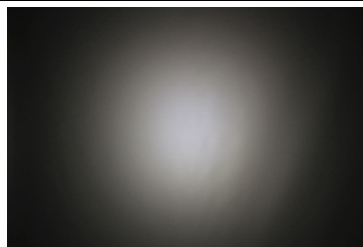
LED NVSW219F
 FWHM / FWTM 34.0° / 90.0°
 Efficiency 94 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW319B
 FWHM / FWTM 39.0° / 97.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



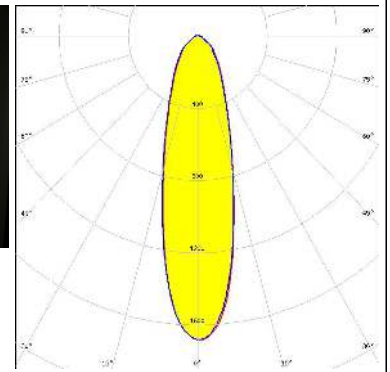
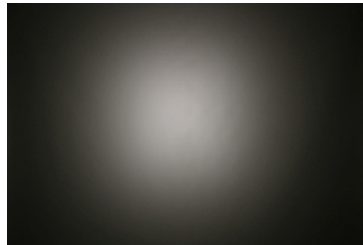
LED OSCONIQ S 3030 (QSLR31)
 FWHM / FWTM 28.0° / 81.0°
 Efficiency 93 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

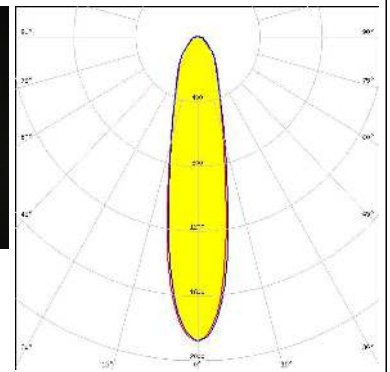
OSRAM
Opto Semiconductors

LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM 28.0° / 80.0°
 Efficiency 93 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



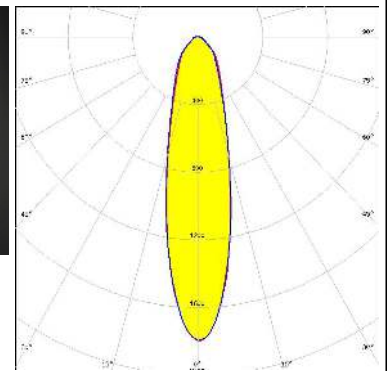
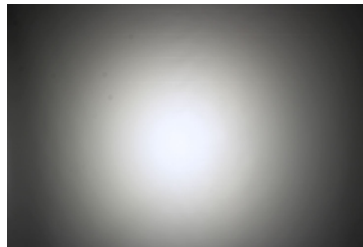
SAMSUNG

LED HiLOM SC28 (LH181B)
 FWHM / FWTM 23.0° / 74.0°
 Efficiency 89 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



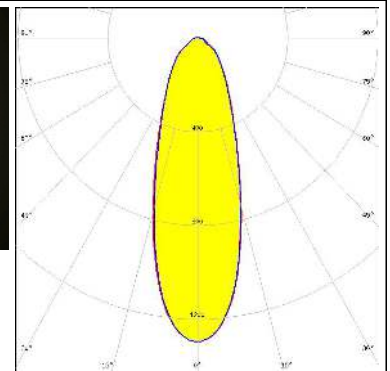
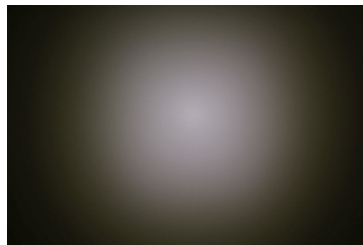
SAMSUNG

LED HiLOM SM28 (LM301B)
 FWHM / FWTM 25.0° / 78.0°
 Efficiency 91 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

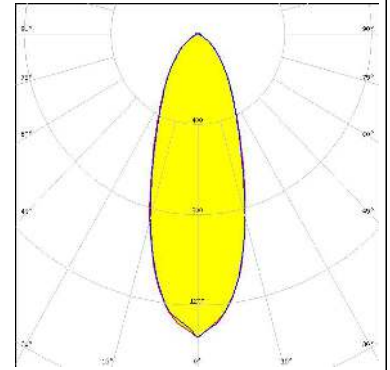
LED Z5M3
 FWHM / FWTM 34.0° / 94.0°
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

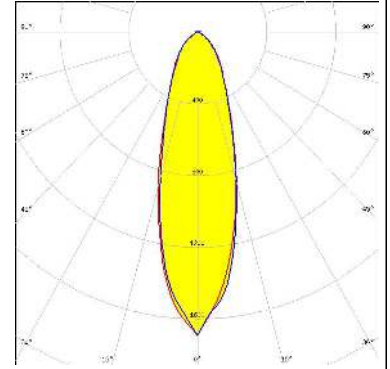
CREE LED

LED XP-G2 HE
 FWHM / FWTM 37.0° / 90.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



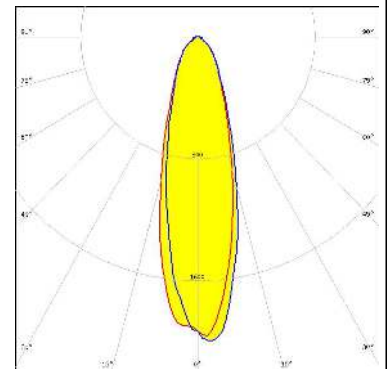
CREE LED

LED XP-L HI
 FWHM / FWTM 30.0° / 82.0°
 Efficiency 90 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



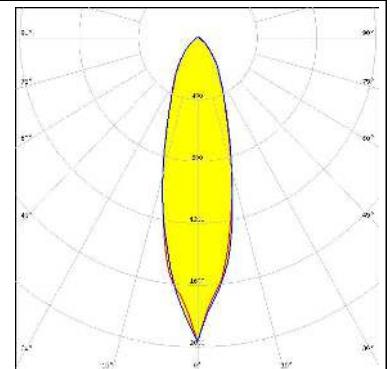
LUMILEDS

LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 27.0° / 74.0°
 Efficiency 92 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

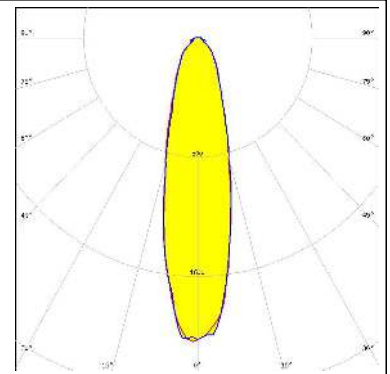
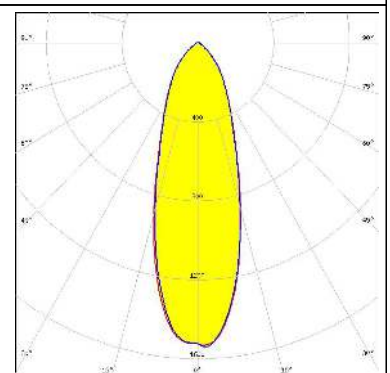
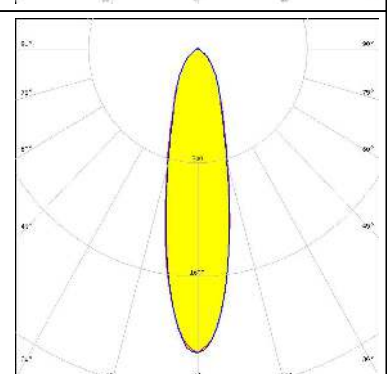
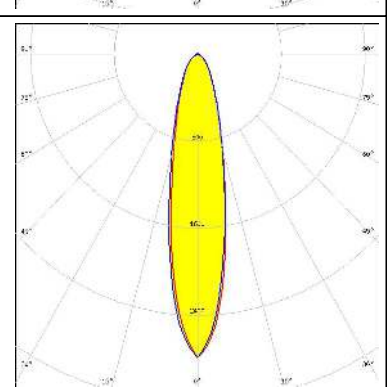


NICHIA

LED NF2x757G
 FWHM / FWTM 28.0° / 76.0°
 Efficiency 93 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

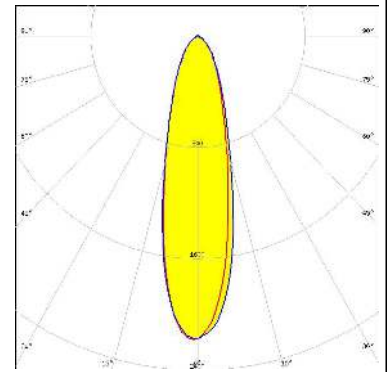
<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 25.0° / 73.0° Efficiency 92 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 34.0° / 86.0° Efficiency 93 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSCONIQ C 2424 FWHM / FWTM 25.0° / 73.0° Efficiency 93 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3030 FWHM / FWTM 22.0° / 60.0° Efficiency 94 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

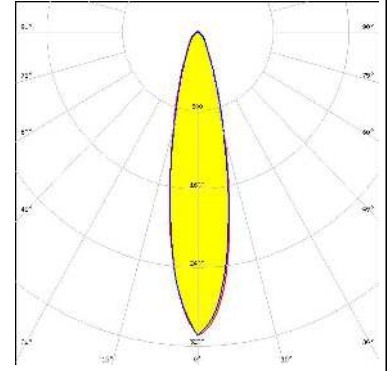
LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 27.0° / 69.0°
 Efficiency 93 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

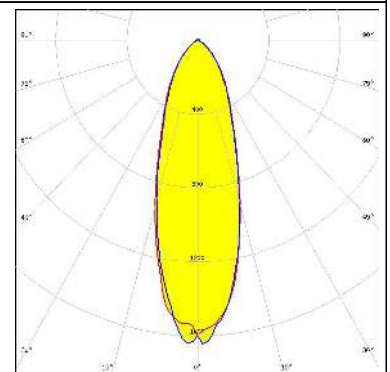
Opto Semiconductors

LED OSLOM SSL 80
 FWHM / FWTM 23.0° / 51.0°
 Efficiency 93 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



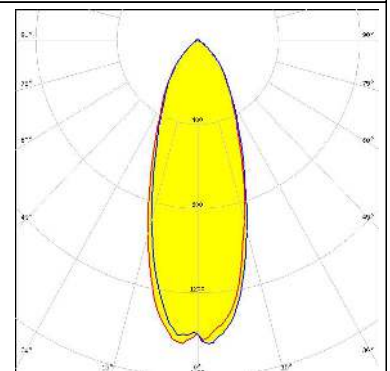
SAMSUNG

LED LH351B
 FWHM / FWTM 33.0° / 82.0°
 Efficiency 94 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

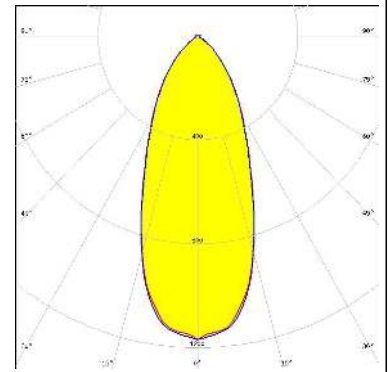
LED LH351C
 FWHM / FWTM 37.0° / 87.0°
 Efficiency 94 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

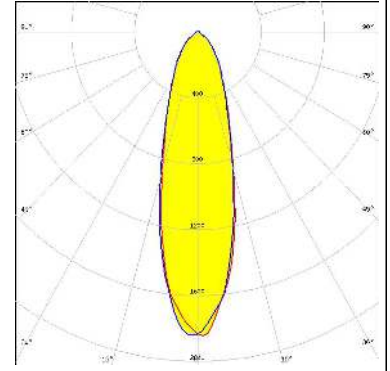
SAMSUNG


LED LH351D
 FWHM / FWTM 44.0° / 92.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

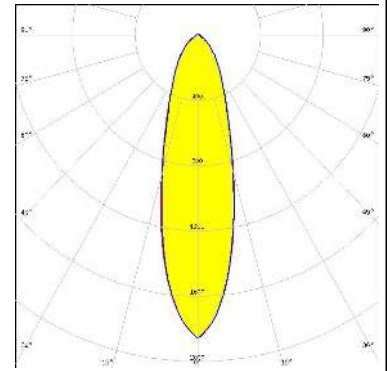



SAMSUNG

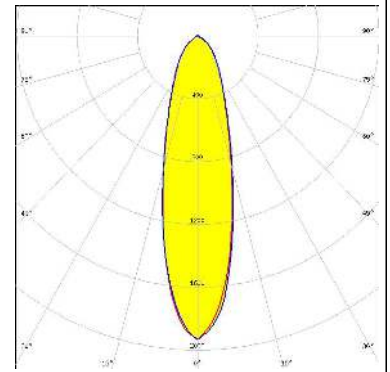
LED LM301B
 FWHM / FWTM 29.0° / 78.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




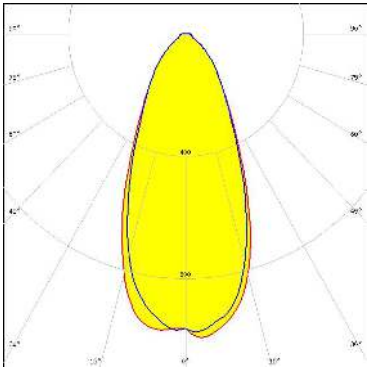

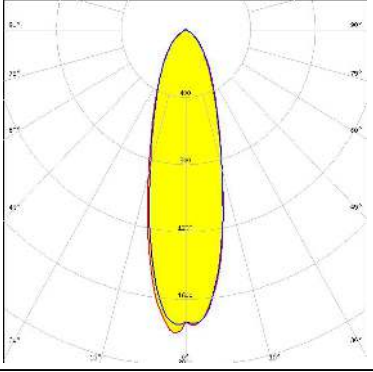

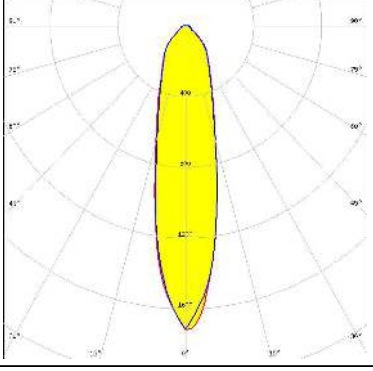

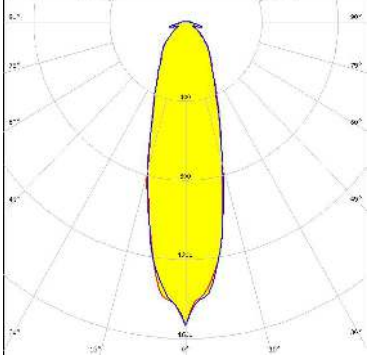
 SEOUL SEMICONDUCTOR
 LED SEOUL 3030
 FWHM / FWTM 28.0° / 78.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



 SEOUL SEMICONDUCTOR
 LED SEOUL DC 3030C
 FWHM / FWTM 28.0° / 77.0°
 Efficiency 93 %
 Peak intensity 1.9 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: 46.0° / 98.0°</p> <p>Efficiency: 89 %</p> <p>Peak intensity: 1 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: 30.0° / 79.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y19</p> <p>FWHM / FWTM: 24.0° / 84.0°</p> <p>Efficiency: 89 %</p> <p>Peak intensity: 1.7 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: 29.0° / 88.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 1.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):



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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P.R.CHINA

Local sales and technical support

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Hong Kong, China

Distribution Partners

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