

STRADELLA-IP-28-HB-S-PC

~30° spot beam. Variant made from PC.

SPECIFICATION:

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

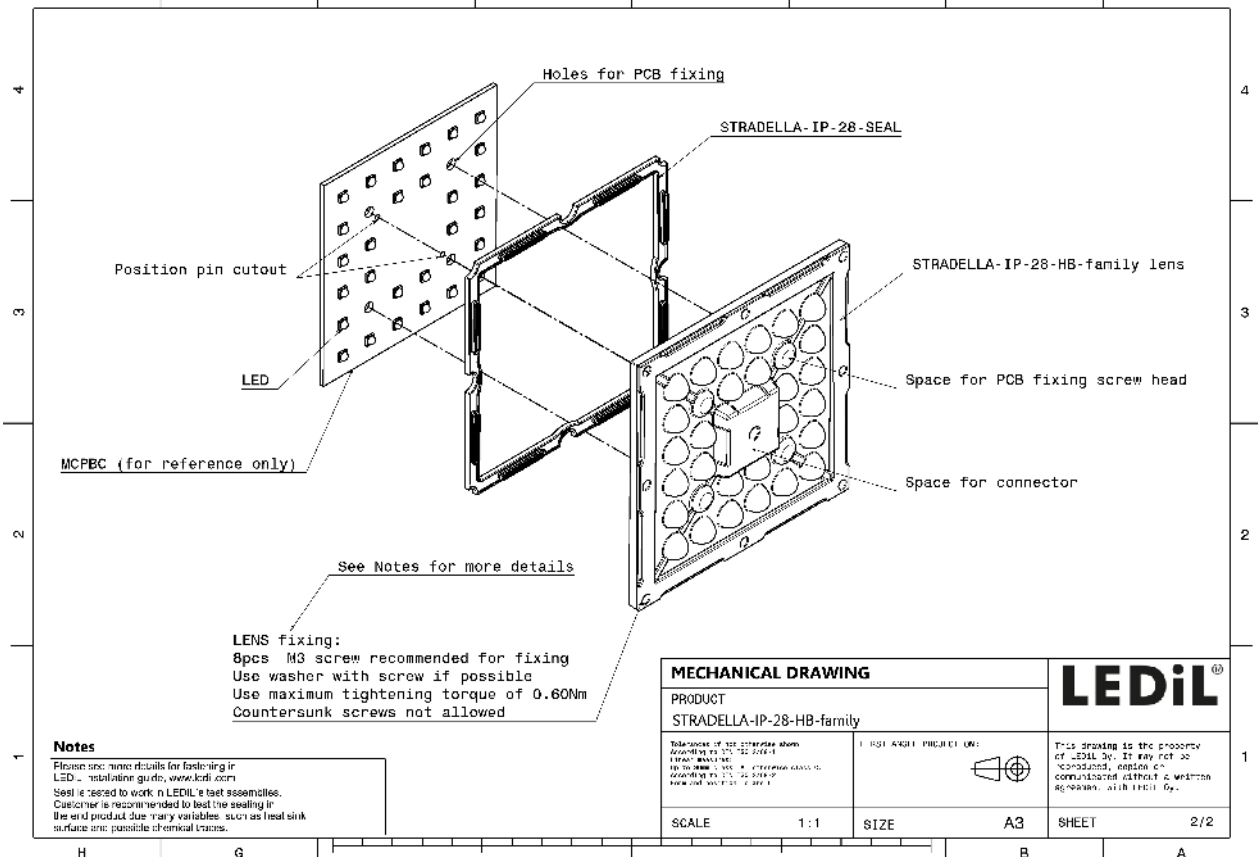
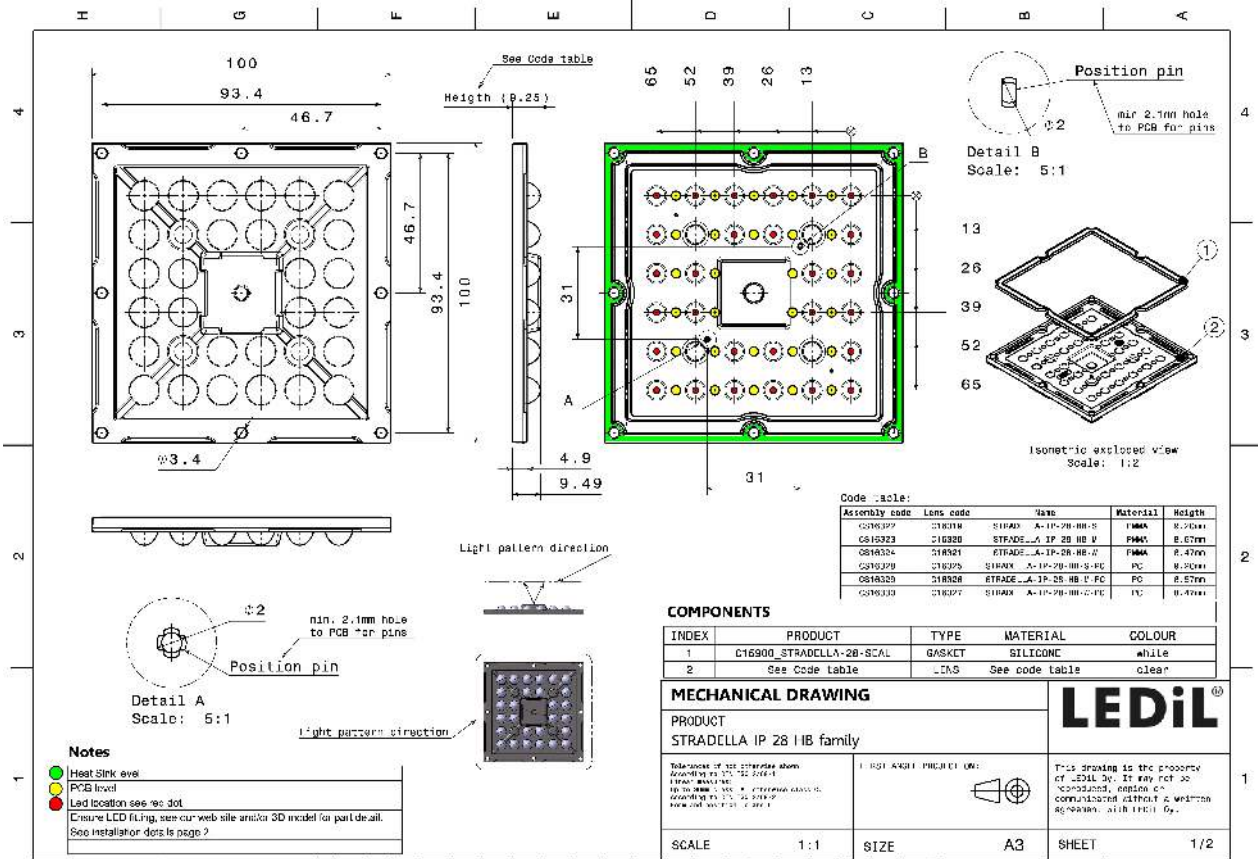
MATERIALS:

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





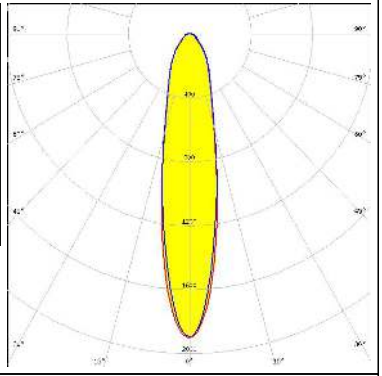


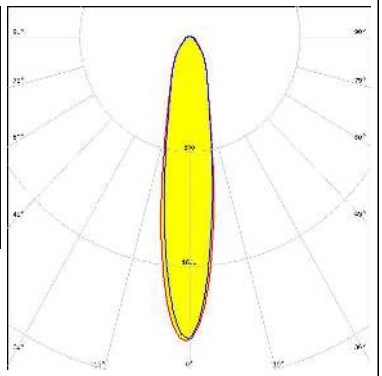


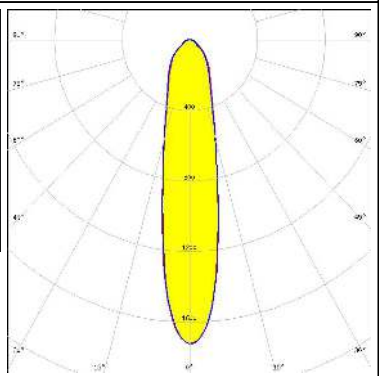


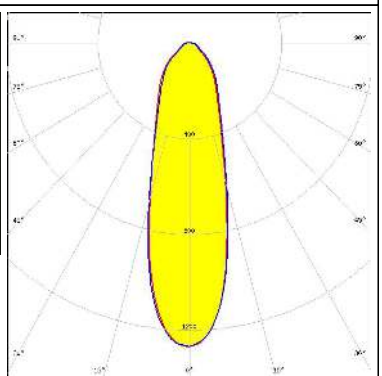
ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CS16328_STRADELLA-IP-28-HB-S-PC » Box size: 476 x 273 x 247 mm	Multi-lens	156	78	78	6.0



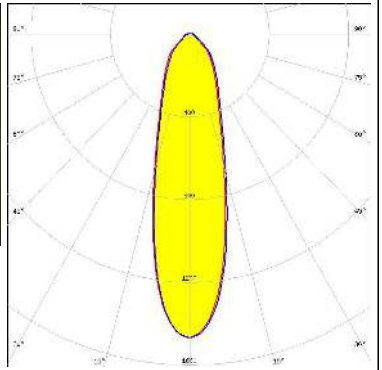


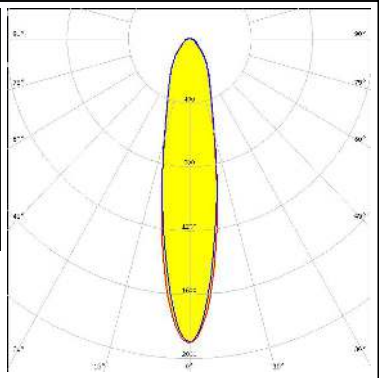


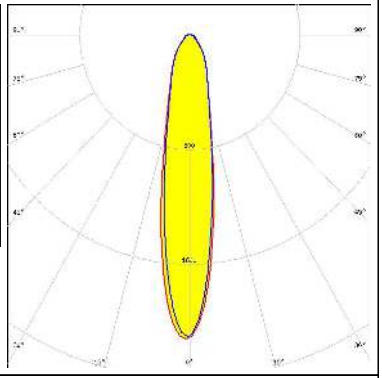


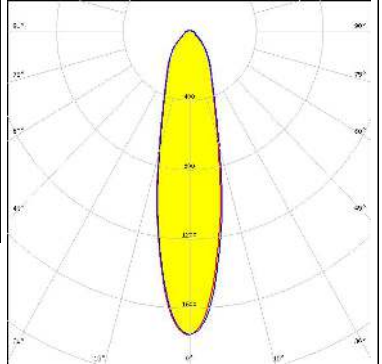


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

 <p>LED: HiQLED STR28 CR JE2835 4x7 xxx FWHM / FWTM: 22.0° / 71.0° Efficiency: 83 % 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: 20.0° / 65.0° Efficiency: 82 % 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: 22.0° / 78.0° Efficiency: 83 % Peak intensity: 1.7 cd/m LEDs/each optic: 1 Light colour: White Required components:</p>		
 <p>LED: QUICK FLUX STR28 XP2x14 xxx G7 FWHM / FWTM: 30.0° / 82.0° Efficiency: 89 % Peak intensity: 1.3 cd/m LEDs/each optic: 1 Light colour: White Required components:</p>		

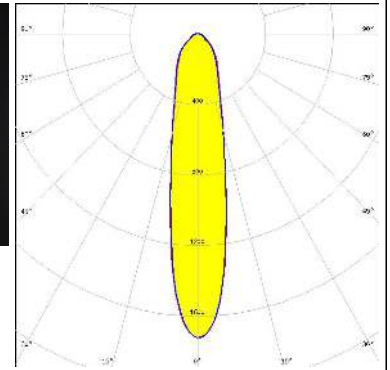
OPTICAL RESULTS (MEASURED):

 <p> LED QUICK FLUX STR28 XT2x14 xxx G5 FWHM / FWTM 29.0° / 87.0° Efficiency 86 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components: </p>		
 <p> LED J Series 2835 FWHM / FWTM 22.0° / 71.0° Efficiency 83 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components: </p>		
 <p> LED J Series 3030 FWHM / FWTM 20.0° / 65.0° Efficiency 82 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components: </p>		
 <p> LED J Series 3030 FWHM / FWTM 25.0° / 77.0° Efficiency 86 % Peak intensity 1.8 cd/lm LEDs/each optic 1 Light colour White Required components: </p>		

OPTICAL RESULTS (MEASURED):

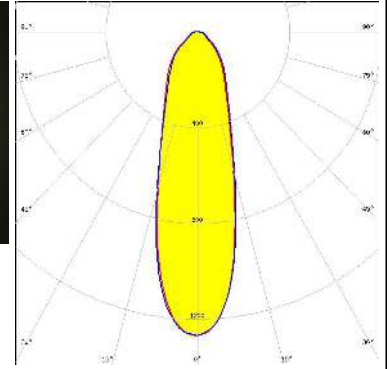
CREE LED

LED XD16
 FWHM / FWTM 22.0° / 78.0°
 Efficiency 83 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



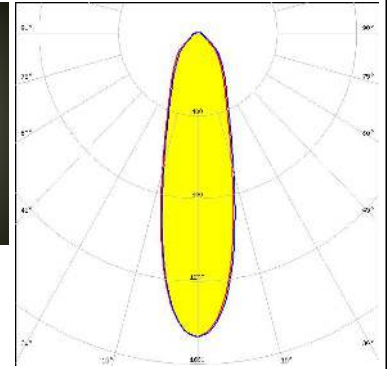
CREE LED

LED XP-G3
 FWHM / FWTM 30.0° / 93.0°
 Efficiency 84 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



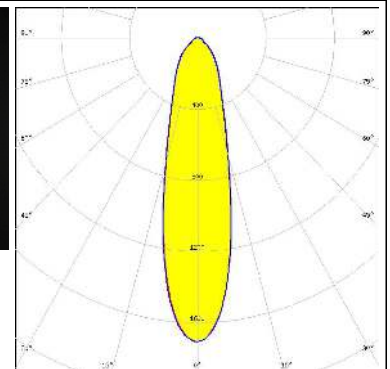
CREE LED

LED XT-E
 FWHM / FWTM 29.0° / 87.0°
 Efficiency 86 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors

LED OSCONIQ S 3030 (QLSR31)
 FWHM / FWTM 26.0° / 78.0°
 Efficiency 86 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

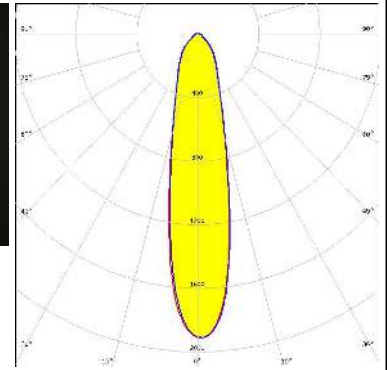
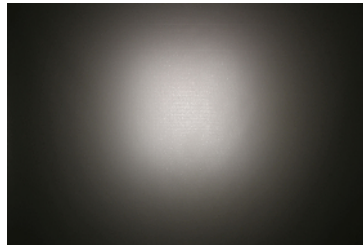


OPTICAL RESULTS (MEASURED):

OSRAM

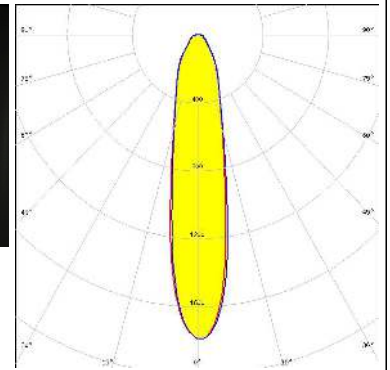
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 23.0° / 72.0°
 Efficiency 85 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



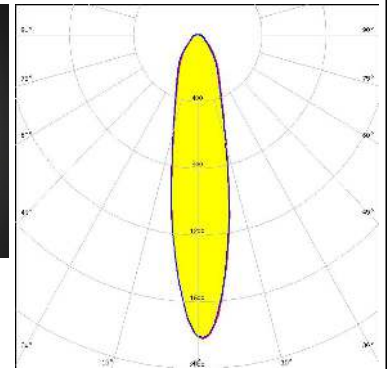
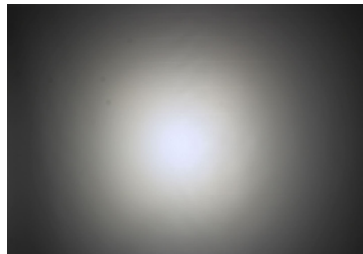
SAMSUNG

LED HiLOM SC28 (LH181B)
 FWHM / FWTM 21.0° / 70.0°
 Efficiency 80 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

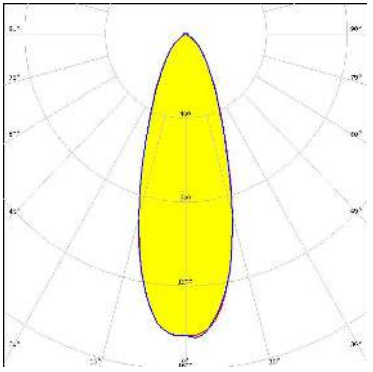
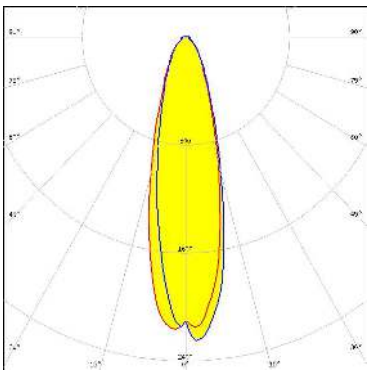
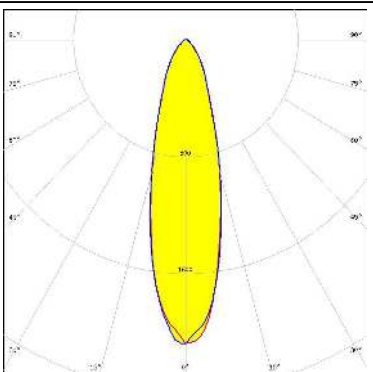
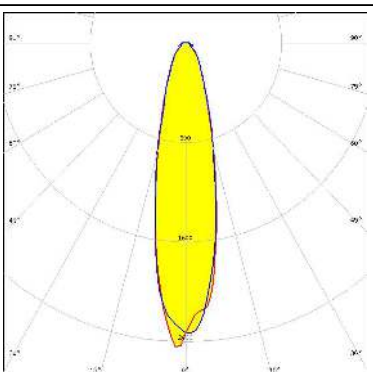


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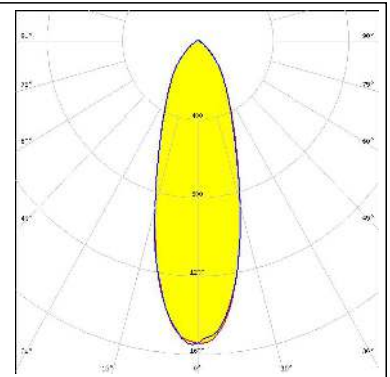
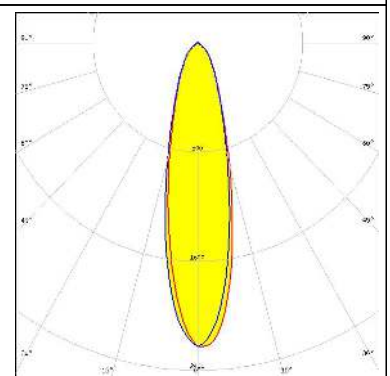
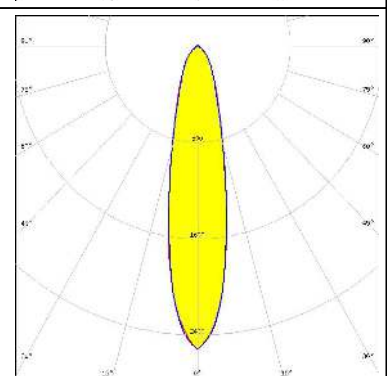
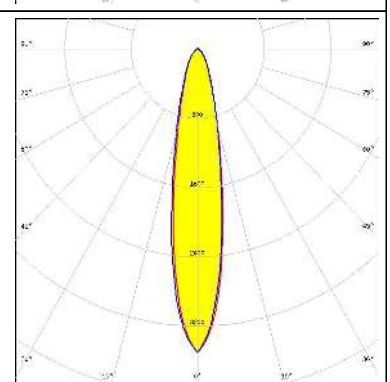
LED HiLOM SM28 (LM301B)
 FWHM / FWTM 23.0° / 73.0°
 Efficiency 83 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>LED: XP-G2 HE FWHM / FWTM: 36.0° / 80.0° Efficiency: 85 % Peak intensity: 1.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 3030 2D (Round LES) FWHM / FWTM: 25.0° / 65.0° Efficiency: 89 % Peak intensity: 2.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NF2x757G FWHM / FWTM: 27.0° / 68.0° Efficiency: 91 % Peak intensity: 2.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 23.0° / 62.0° Efficiency: 89 % Peak intensity: 2.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

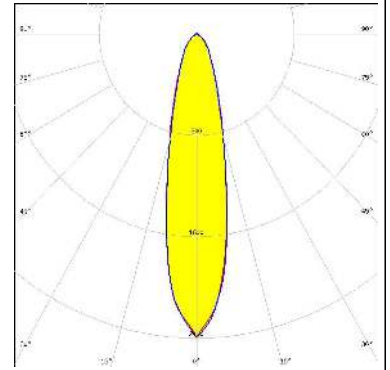
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 34.0° / 84.0° Efficiency 93 % Peak intensity 1.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (2 chip) FWHM / FWTM 25.0° / 65.0° Efficiency 87 % Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ C 2424 FWHM / FWTM 22.0° / 60.0° Efficiency 87 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3030 FWHM / FWTM 20.0° / 51.0° Efficiency 92 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

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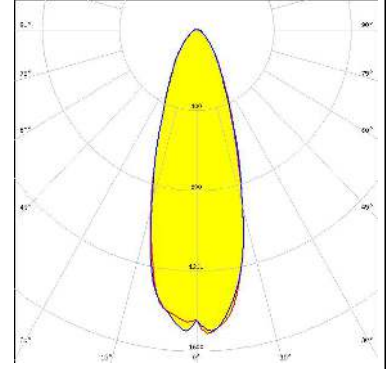
LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 24.0° / 60.0°
 Efficiency 87 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

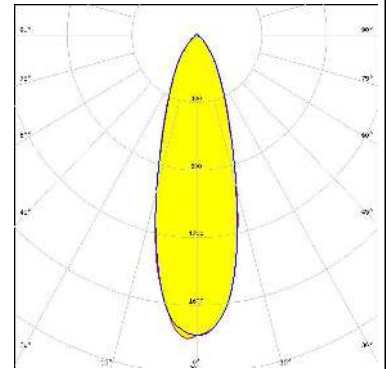
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 34.0° / 78.0°
 Efficiency 90 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



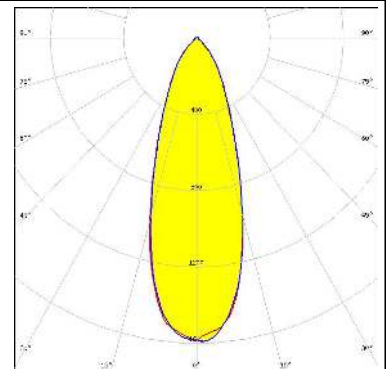
SAMSUNG

LED LH351B
 FWHM / FWTM 32.0° / 73.0°
 Efficiency 86 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

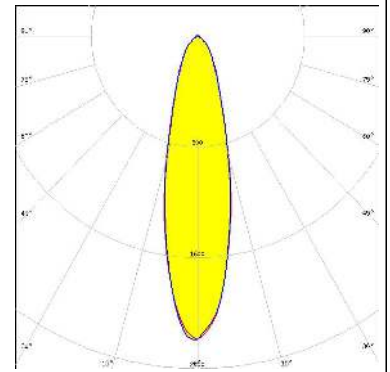
LED LH351C
 FWHM / FWTM 35.0° / 78.0°
 Efficiency 87 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




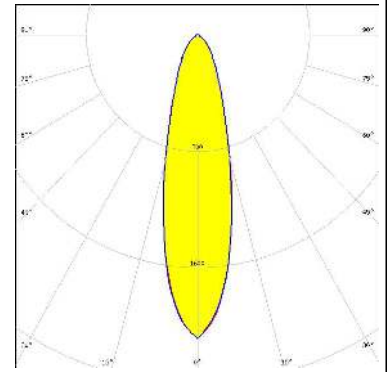
OPTICAL RESULTS (SIMULATED):


SAMSUNG

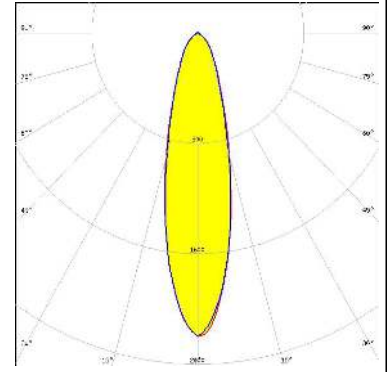
LED LM301Z Plus
 FWHM / FWTM 26.0° / 64.0°
 Efficiency 86 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




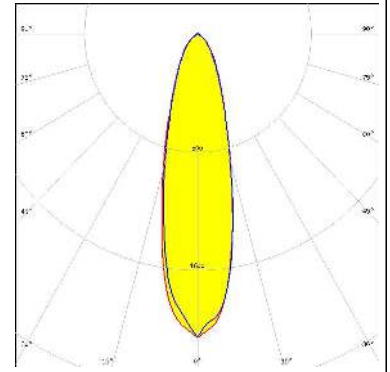
 SEOU SEMICONDUCTOR
 LED SEOUL 3030
 FWHM / FWTM 26.0° / 68.0°
 Efficiency 87 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




 SEOU SEMICONDUCTOR
 LED SEOUL DC 3030C
 FWHM / FWTM 26.0° / 66.0°
 Efficiency 88 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



 SEOU SEMICONDUCTOR
 LED Z5M1/Z5M2
 FWHM / FWTM 27.0° / 67.0°
 Efficiency 87 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y19</p> <p>FWHM / FWTM 24.0° / 71.0°</p> <p>Efficiency 82 %</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> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22</p> <p>FWHM / FWTM 28.0° / 78.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 1.6 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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