

## STRADELLA-IP-28-HB-M-PC

~65° medium 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 ⓘ

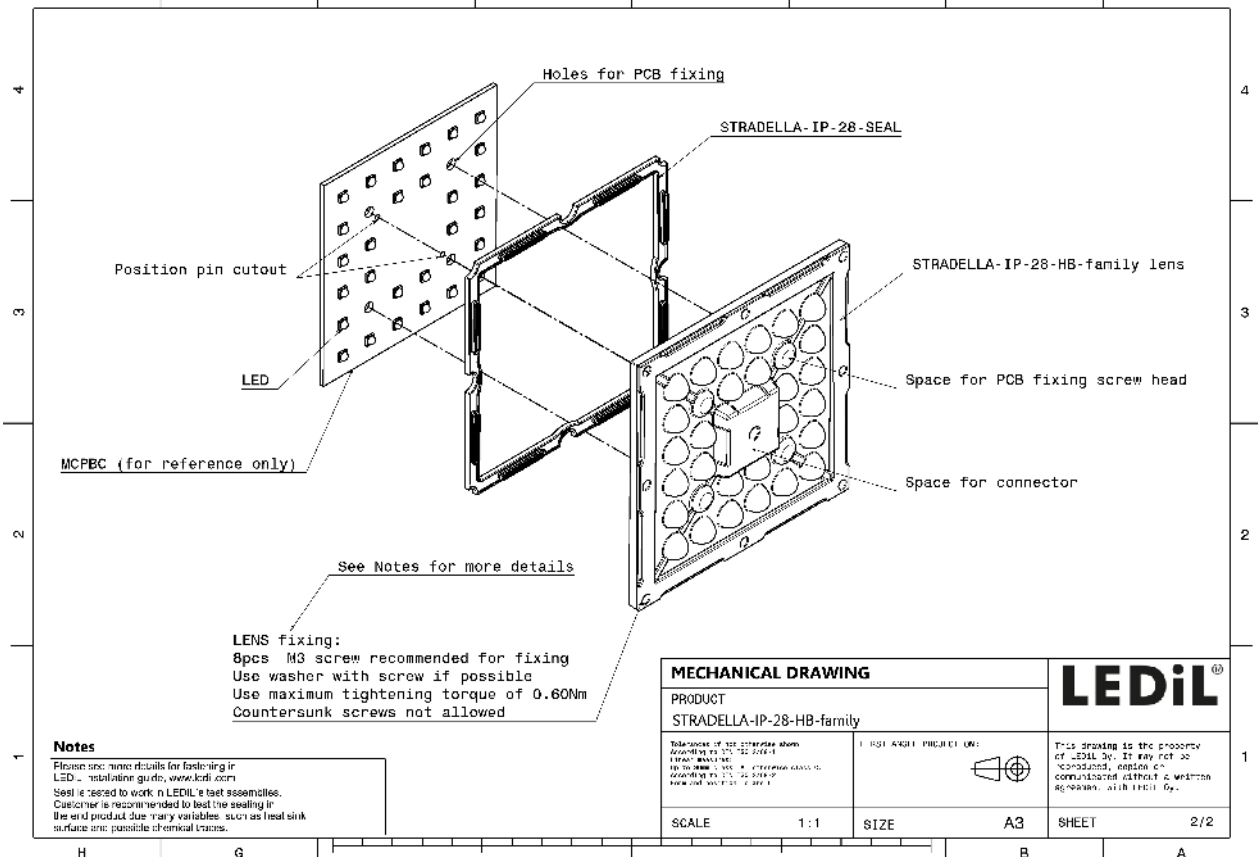
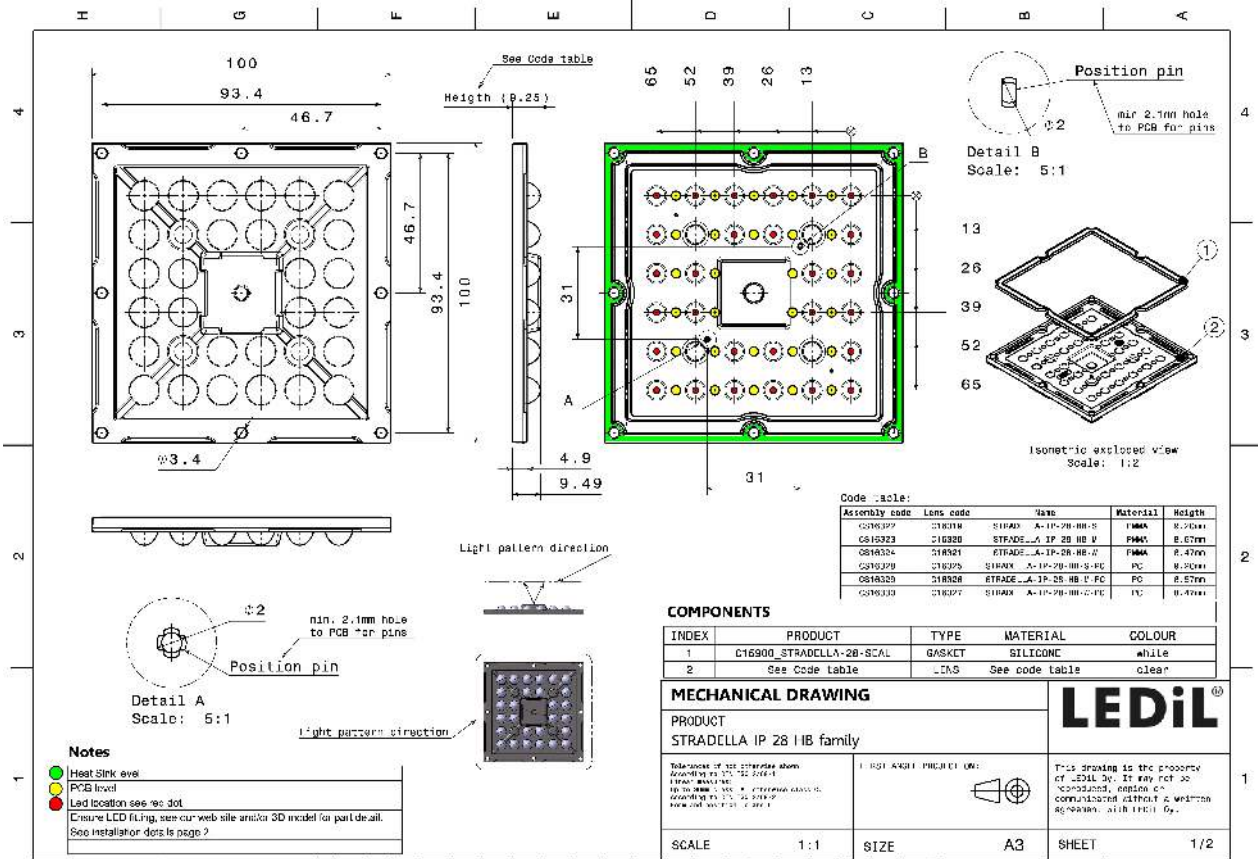
### MATERIALS:

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




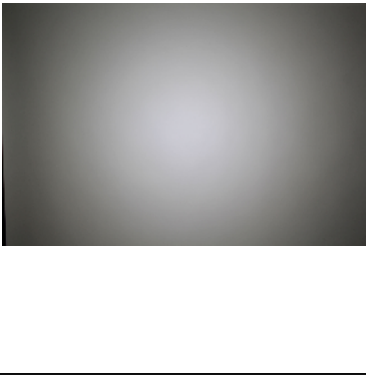
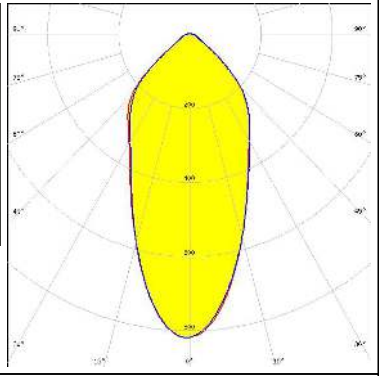


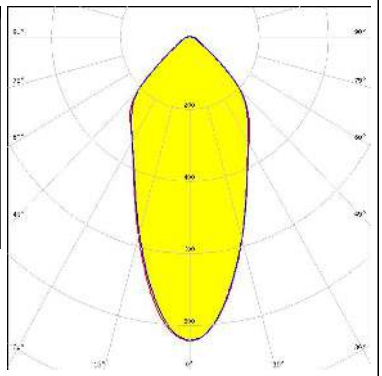

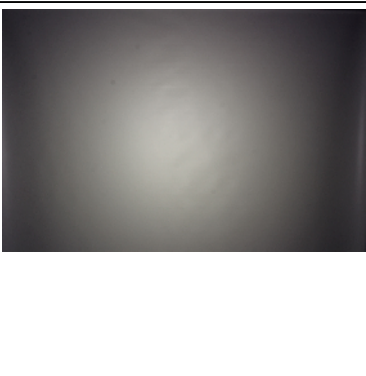
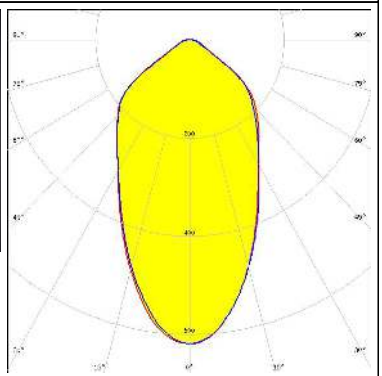


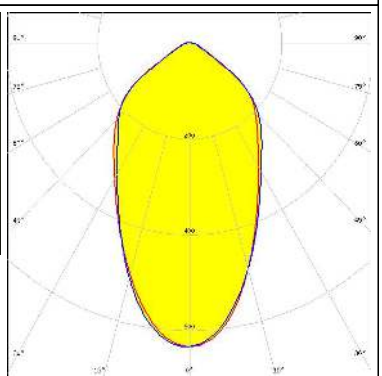
### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CS16329_STRADELLA-IP-28-HB-M-PC » Box size: 476 x 273 x 247 mm	Multi-lens	156	78	78	5.9


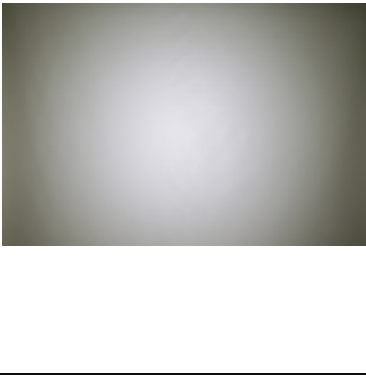
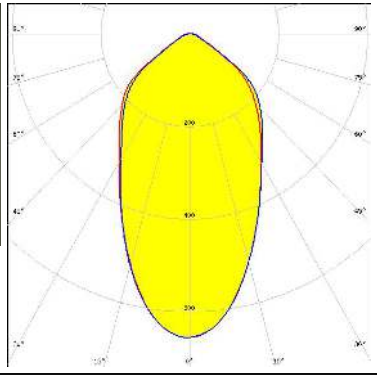

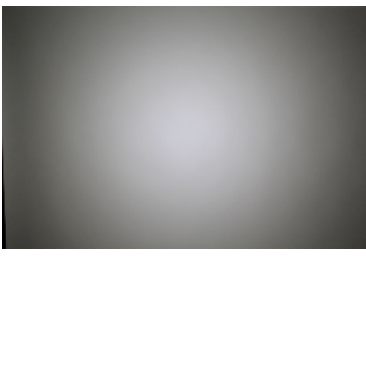
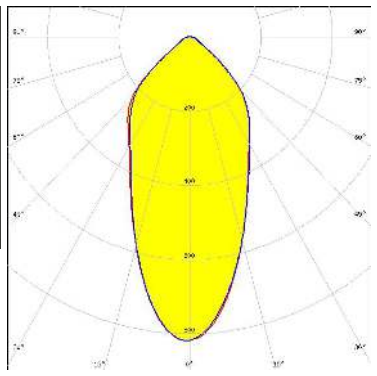


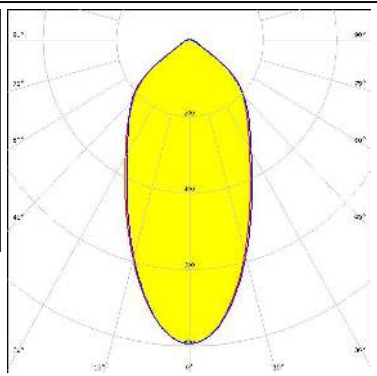


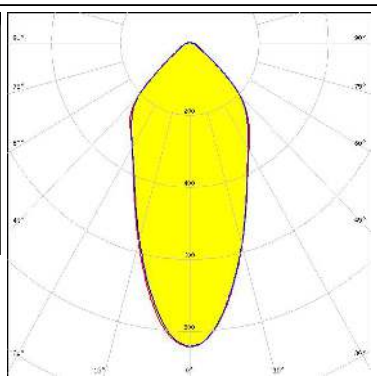


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

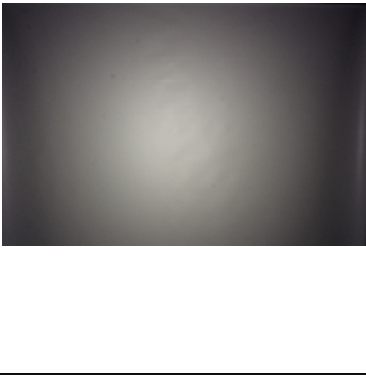
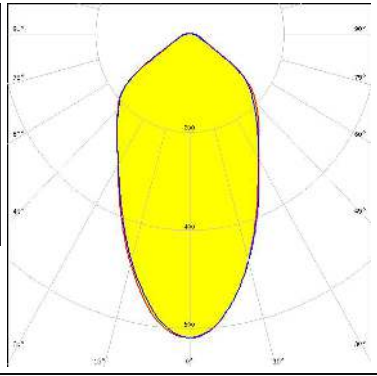

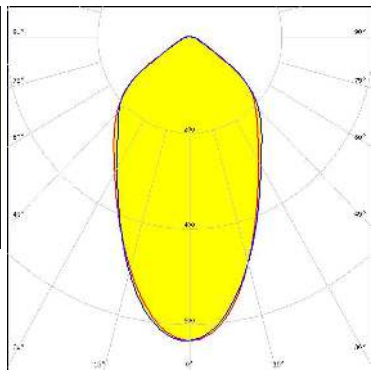

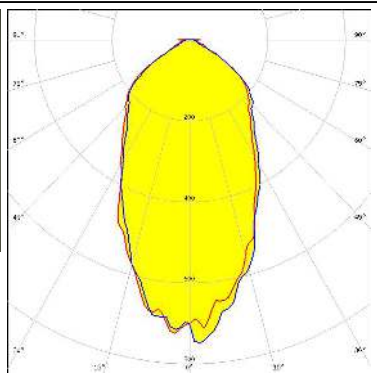

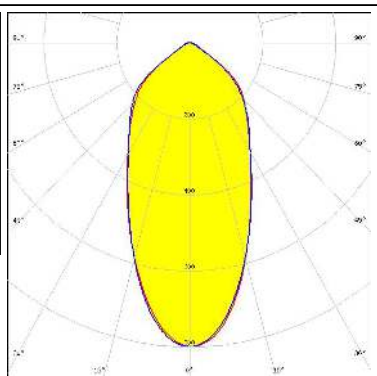
 <p> <b>LED</b> HiQLED STR28 CR JE2835 4x7 xxx  <b>FWHM / FWTM</b> 48.0° / 108.0°  <b>Efficiency</b> 89 %  <b>Peak intensity</b> 0.8 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		
 <p> <b>LED</b> HiQLED STR28 CR JK3030 4x7 xxx  <b>FWHM / FWTM</b> 46.0° / 105.0°  <b>Efficiency</b> 88 %  <b>Peak intensity</b> 0.8 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		
 <p> <b>LED</b> QUICK FLUX STR28 XD2x14 xxx G8  <b>FWHM / FWTM</b> 58.0° / 119.0°  <b>Efficiency</b> 88 %  <b>Peak intensity</b> 0.6 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		
 <p> <b>LED</b> QUICK FLUX STR28 XP2x14 xxx G7  <b>FWHM / FWTM</b> 59.0° / 119.0°  <b>Efficiency</b> 90 %  <b>Peak intensity</b> 0.6 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		

#### OPTICAL RESULTS (MEASURED):

 <p> <b>LED</b> QUICK FLUX STR28 XT2x14 xxx G5  <b>FWHM / FWTM</b> 58.0° / 121.0°  <b>Efficiency</b> 91 %  <b>Peak intensity</b> 0.7 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		
 <p> <b>LED</b> J Series 2835  <b>FWHM / FWTM</b> 48.0° / 108.0°  <b>Efficiency</b> 89 %  <b>Peak intensity</b> 0.8 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		
 <p> <b>LED</b> J Series 3030  <b>FWHM / FWTM</b> 51.0° / 114.0°  <b>Efficiency</b> 92 %  <b>Peak intensity</b> 0.8 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		
 <p> <b>LED</b> J Series 3030  <b>FWHM / FWTM</b> 46.0° / 105.0°  <b>Efficiency</b> 88 %  <b>Peak intensity</b> 0.8 cd/lm  <b>LEDs/each optic</b> 1  <b>Light colour</b> White  <b>Required components:</b> </p>		



#### OPTICAL RESULTS (MEASURED):

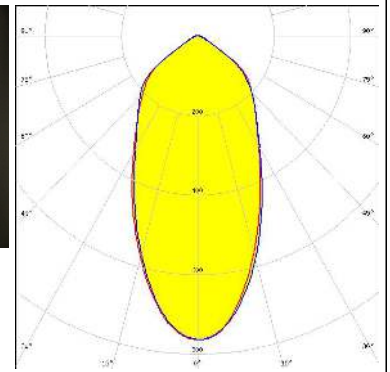
<p><b>CREE</b> → LED</p> <p>LED: XD16            FWHM / FWTM: 58.0° / 119.0°            Efficiency: 88 %            Peak intensity: 0.6 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> → LED</p> <p>LED: XP-G3            FWHM / FWTM: 59.0° / 119.0°            Efficiency: 90 %            Peak intensity: 0.6 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> → LED</p> <p>LED: XT-E            FWHM / FWTM: 58.0° / 121.0°            Efficiency: 91 %            Peak intensity: 0.7 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSCONIQ S 3030 (QSLR31)            FWHM / FWTM: 50.0° / 113.0°            Efficiency: 92 %            Peak intensity: 0.8 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

#### OSRAM

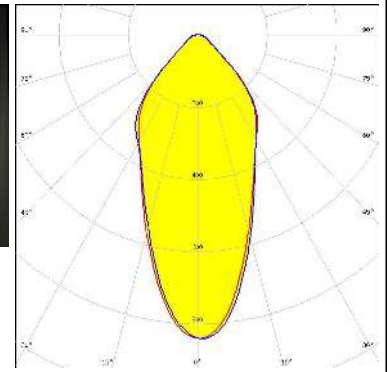
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 52.0° / 116.0°  
 Efficiency 91 %  
 Peak intensity 0.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



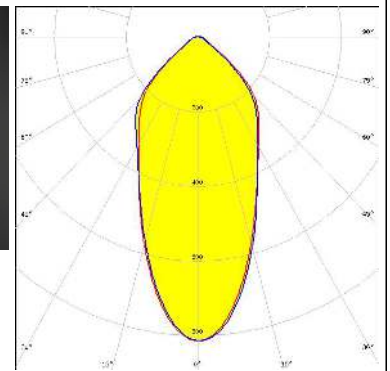
#### SAMSUNG

LED HiLOM SC28 (LH181B)  
 FWHM / FWTM 46.0° / 102.0°  
 Efficiency 87 %  
 Peak intensity 0.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

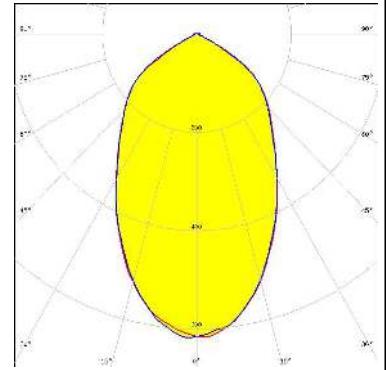
LED HiLOM SM28 (LM301B)  
 FWHM / FWTM 48.0° / 108.0°  
 Efficiency 89 %  
 Peak intensity 0.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

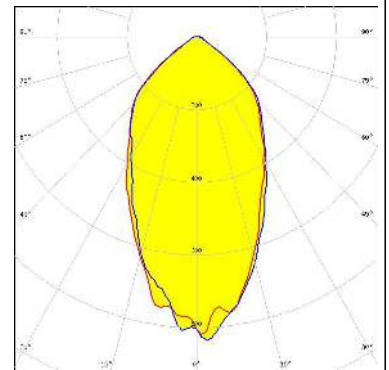
##### CREE LED

LED XP-G2 HE  
 FWHM / FWTM 66.0° / 122.0°  
 Efficiency 91 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



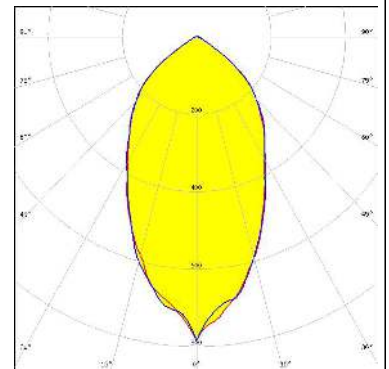
##### LUMILEDS

LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 53.0° / 112.0°  
 Efficiency 89 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



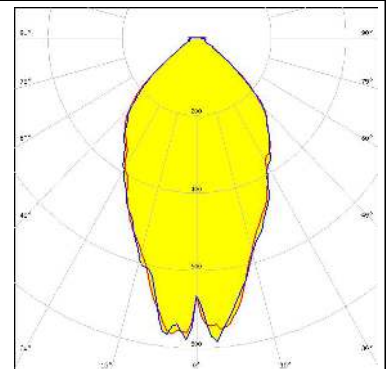
##### NICHIA

LED NF2x757G  
 FWHM / FWTM 57.0° / 114.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


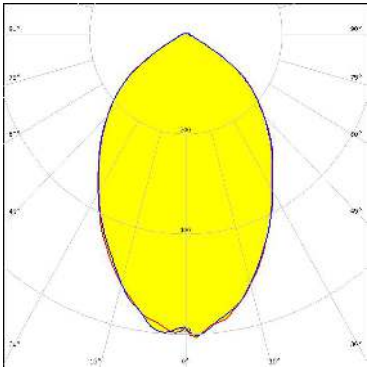

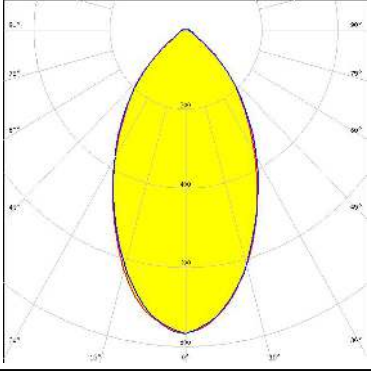

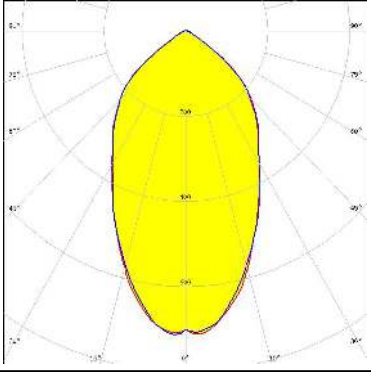

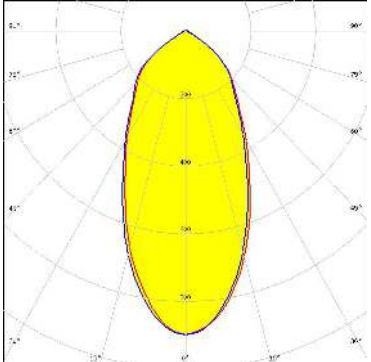


##### NICHIA

LED NVSxE21A  
 FWHM / FWTM 55.0° / 111.0°  
 Efficiency 89 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

	<p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 73.0° / 122.0°            Efficiency 95 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED Duris S8            FWHM / FWTM 58.0° / 104.0°            Efficiency 86 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED OSCONIQ C 2424            FWHM / FWTM 60.0° / 114.0°            Efficiency 92 %            Peak intensity 0.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED OSCONIQ P 3030            FWHM / FWTM 50.0° / 113.0°            Efficiency 95 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

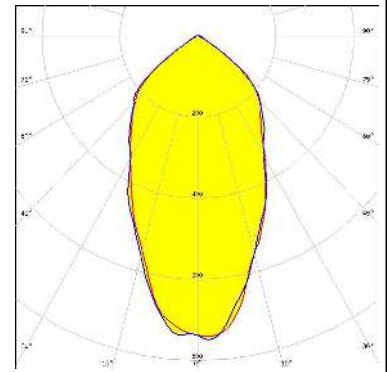


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

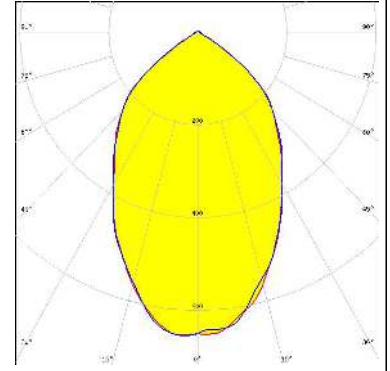
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)  
 FWHM / FWTM 56.0° / 113.0°  
 Efficiency 90 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



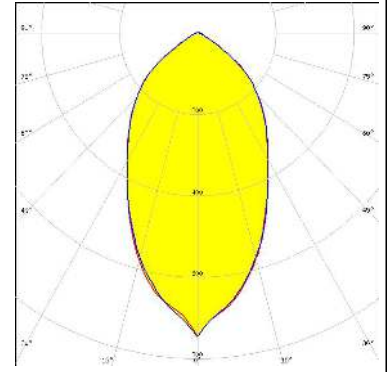
##### SAMSUNG

LED LH351C  
 FWHM / FWTM 70.0° / 114.0°  
 Efficiency 93 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



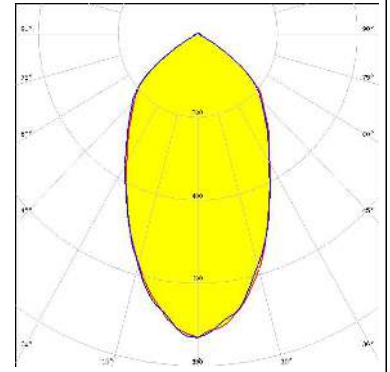
##### SEOUL SEMICONDUCTOR

LED SEOUL 3030  
 FWHM / FWTM 58.0° / 114.0°  
 Efficiency 92 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


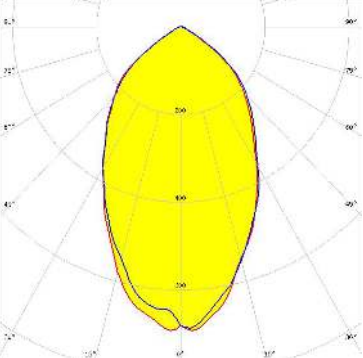

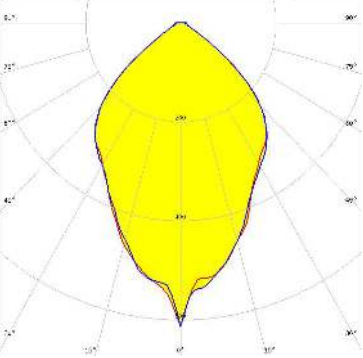

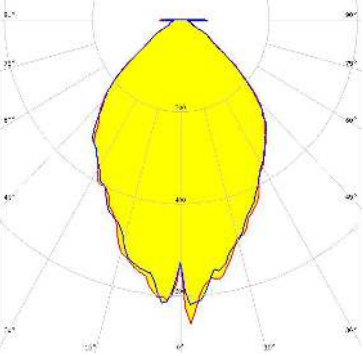


##### SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C  
 FWHM / FWTM 59.0° / 116.0°  
 Efficiency 93 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM / FWTM 63.0° / 116.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y19</p> <p>FWHM / FWTM 73.0° / 115.0°</p> <p>Efficiency 88 %</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 Z8Y22</p> <p>FWHM / FWTM 71.0° / 121.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.7 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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#### Shipping locations

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Hong Kong, China

#### Distribution Partners

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