

## FLORENCE-O

~85° + 35° oval beam

### SPECIFICATION:

Dimensions	61.0 x 286.0 mm
Height	8.5 mm
Fastening	screw
ROHS compliant	yes ⓘ

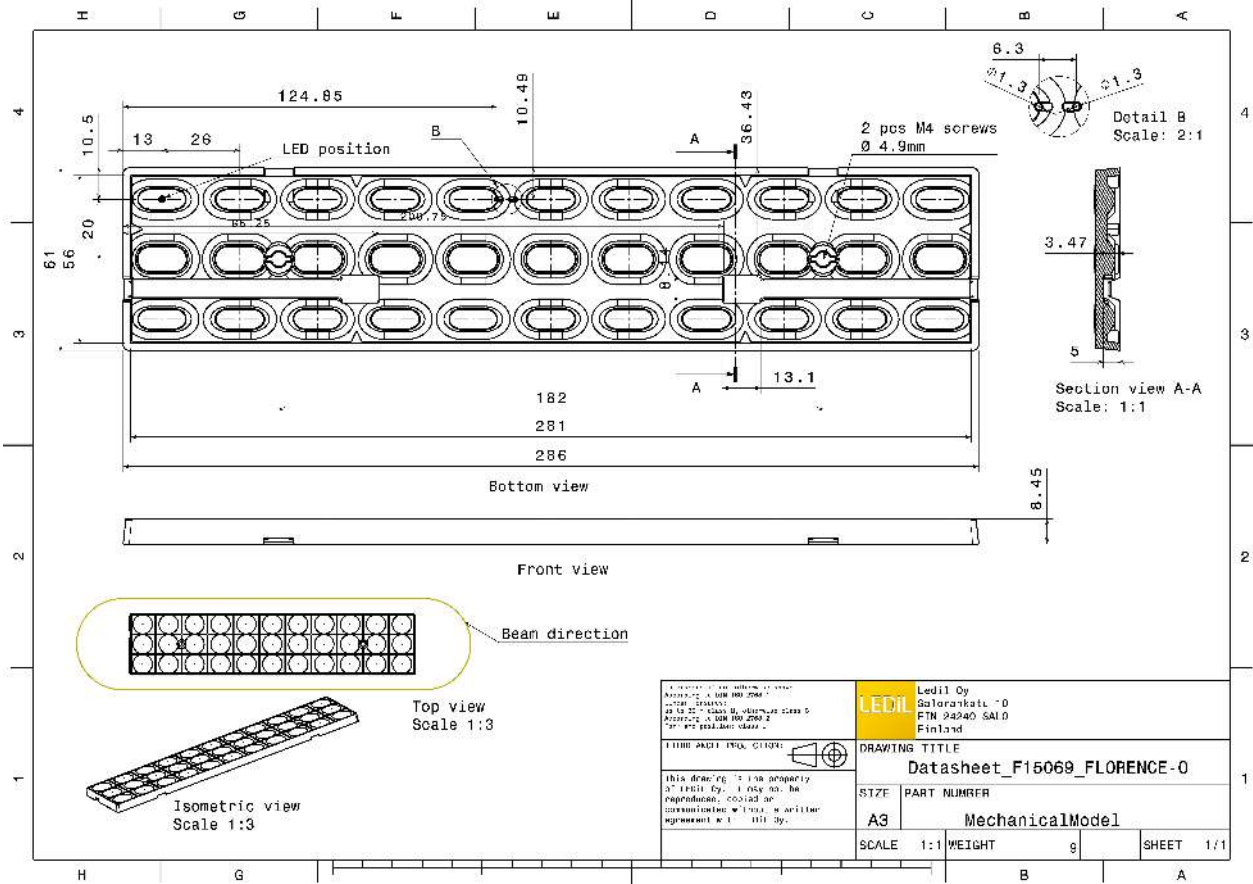
### MATERIALS:

Component	Type	Material	Colour	Finish
FLORENCE-O	Linear lens	PMMA	clear	

### ORDERING INFORMATION:

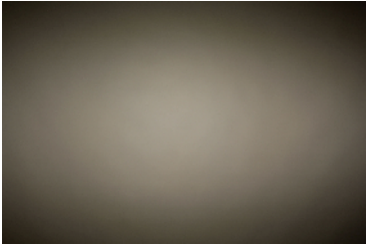
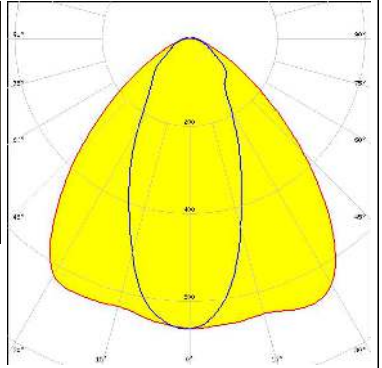
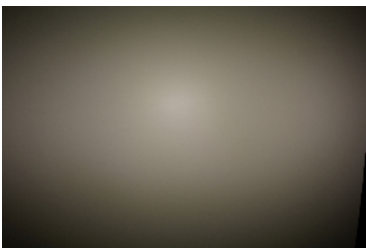
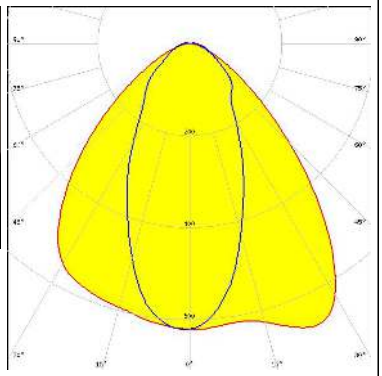

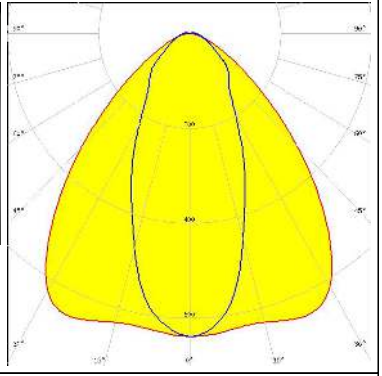

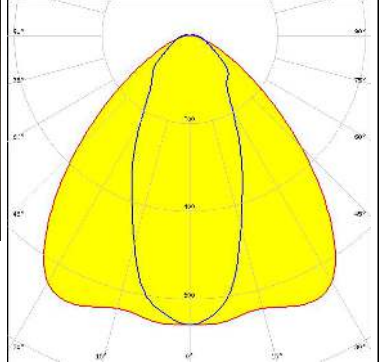
Component	Qty in box	MOQ	MPQ	Box weight (kg)
F15069_FLORENCE-O » Box size: 398 x 298 x 140 mm	72	18	6	7.5





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

#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON XR-3535L (L202 - xxxx033C30001)</p> <p>FWHM / FWTM 93.0 + 45.0° / 133.0 + 113.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NFSW757H</p> <p>FWHM / FWTM 88.0 + 48.0° / 130.0 + 120.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris E5</p> <p>FWHM / FWTM 91.0 + 46.0° / 131.0 + 115.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>PHILIPS</b></p> <p>LED Fortimo LED Line VO 1ft MF 3R HV5</p> <p>FWHM / FWTM 92.0 + 45.0° / 132.0 + 115.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

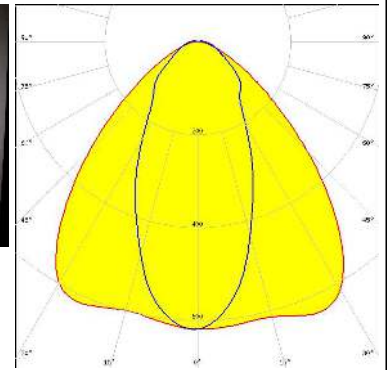
### PHILIPS

LED Fortimo LED Line 1ft 650lm 3R HV4 & LV4  
 FWHM / FWTM 92.0 + 46.0° / 132.0 + 116.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



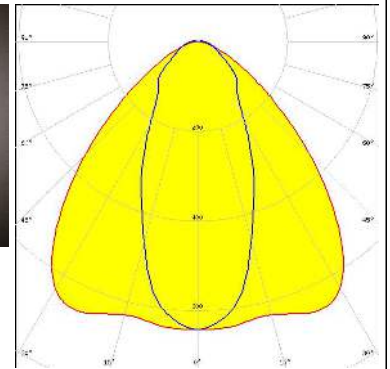
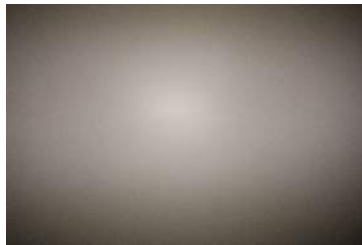
### PHILIPS

LED Fortimo LED Line 1ft HF 3R HV5  
 FWHM / FWTM 91.0 + 48.0° / 132.0 + 121.0°  
 Efficiency 93 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



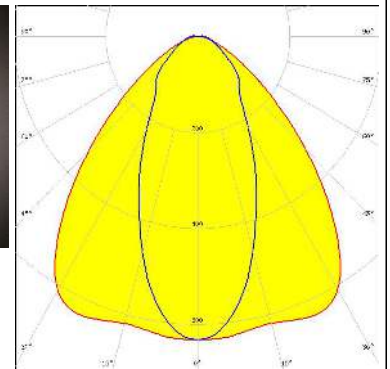
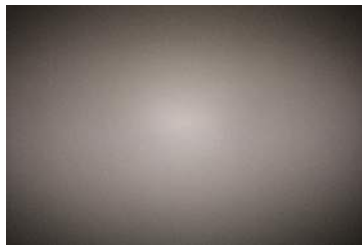
### PHILIPS

LED Fortimo LED Line 1ft LF 3R HV5 & LV5  
 FWHM / FWTM 92.0 + 46.0° / 132.0 + 117.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHILIPS

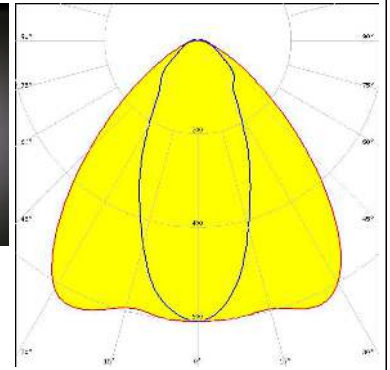
LED Fortimo LED Line 1ft MF 3R HV5 & LV5  
 FWHM / FWTM 91.0 + 48.0° / 133.0 + 119.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



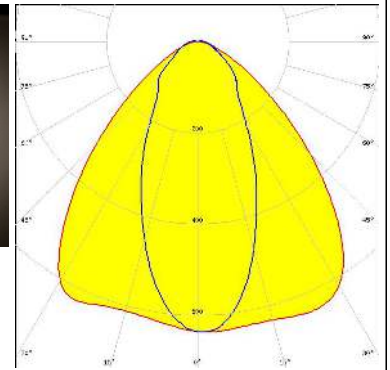
### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

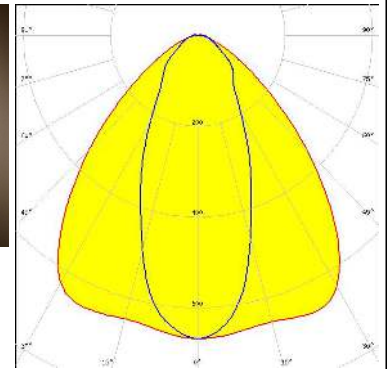
LED LM28xB Series  
 FWHM / FWTM 92.0 + 46.0° / 131.0 + 112.0°  
 Efficiency 87 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



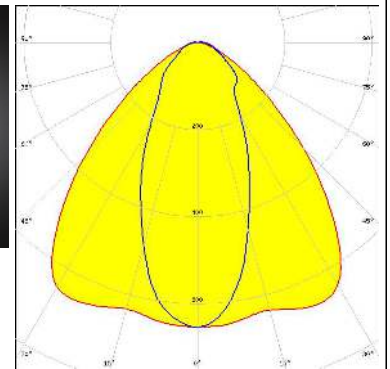
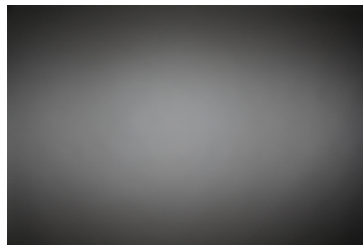
LED SEOUL 3030  
 FWHM / FWTM 91.0 + 47.0° / 131.0 + 116.0°  
 Efficiency 92 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED SEOUL 5630C  
 FWHM / FWTM 92.0 + 44.0° / 132.0 + 111.0°  
 Efficiency 92 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



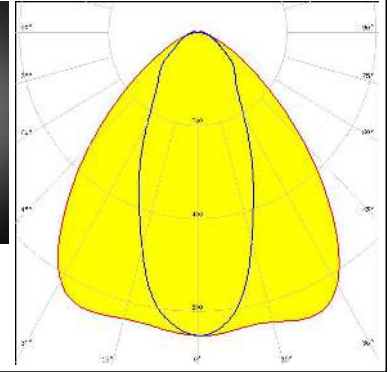
LED SEOUL DC 3030  
 FWHM / FWTM 93.0 + 44.0° / 132.0 + 116.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



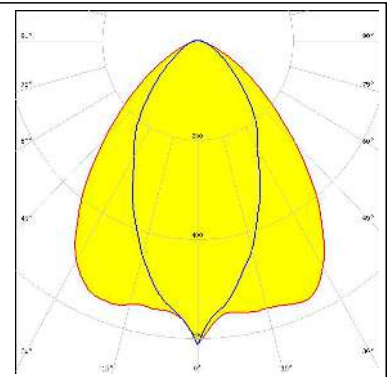
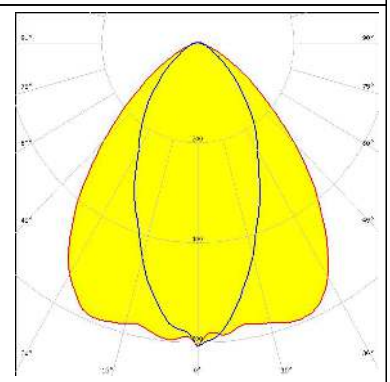
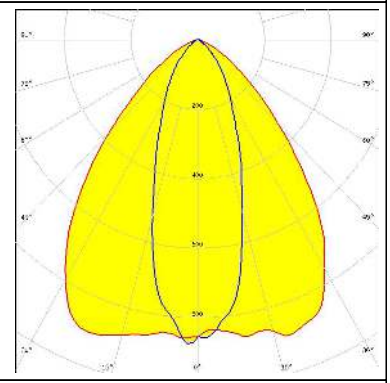
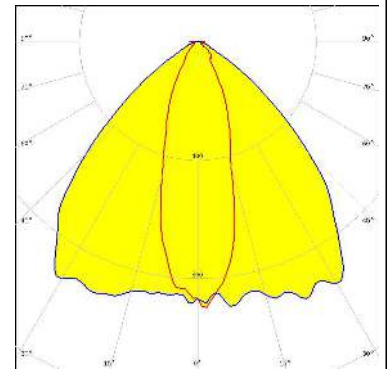
### OPTICAL RESULTS (MEASURED):

#### TRIDONIC

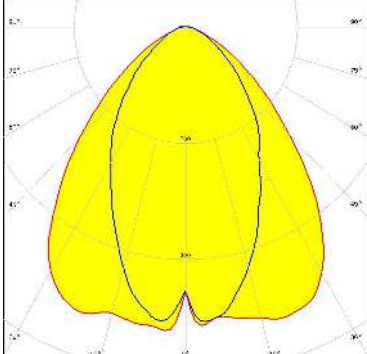
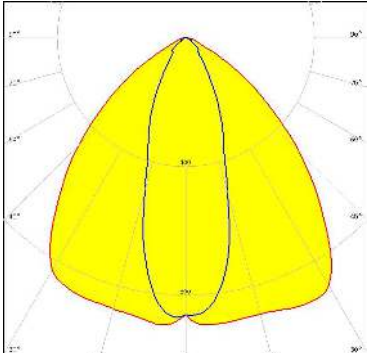
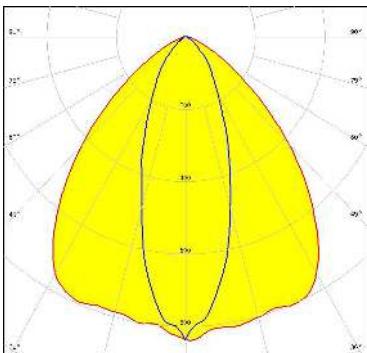
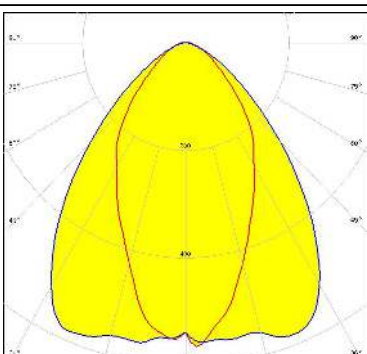
LED LLE G2 55x280mm 2000lm  
FWHM / FWTM 91.0 + 46.0° / 132.0 + 114.0°  
Efficiency 94 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED J Series 5050 Round LES</p> <p>FWHM / FWTM 87.0 + 51.0° / 129.0 + 113.0°</p> <p>Efficiency 92 %</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><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 88.0 + 51.0° / 126.0 + 109.0°</p> <p>Efficiency 90 %</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><b>NICHIA</b></p> <p>LED NFSx757G</p> <p>FWHM / FWTM 83.0 + 35.0° / 122.0 + 86.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 2</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxE21A</p> <p>FWHM / FWTM 93.0 + 28.0° / 121.0 + 71.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

### OPTICAL RESULTS (SIMULATED):

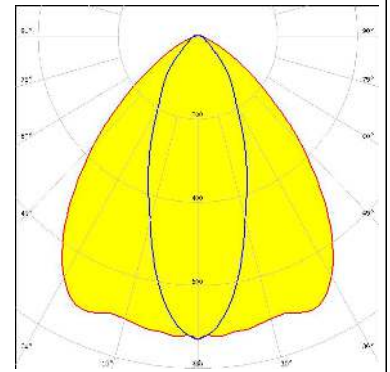
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: Duris S8</p> <p>FWHM / FWTM: 90.0 + 63.0° / 132.0 + 125.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 0.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSCONIQ C 2424</p> <p>FWHM / FWTM: 92.0 + 33.0° / 124.0 + 73.0°</p> <p>Efficiency: 95 %</p> <p>Peak intensity: 0.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED: LM301B</p> <p>FWHM / FWTM: 90.0 + 35.0° / 126.0 + 87.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.8 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED: LM301B</p> <p>FWHM / FWTM: 86.0 + 56.0° / 128.0 + 119.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 0.6 cd/lm</p> <p>LEDs/each optic: 2</p> <p>Light colour: White</p> <p>Required components:</p>	



#### OPTICAL RESULTS (SIMULATED):

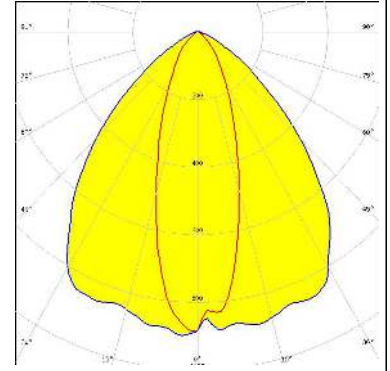
### SAMSUNG

LED LM301D  
 FWHM / FWTM 90.0 + 40.0° / 126.0 + 92.0°  
 Efficiency 90 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



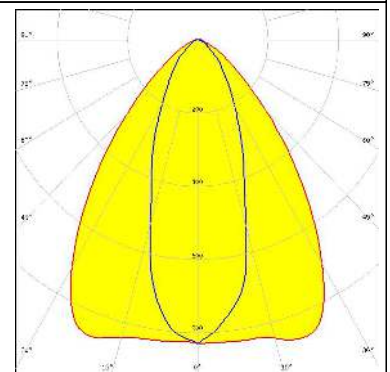
### SAMSUNG

LED LM302B  
 FWHM / FWTM 90.0 + 33.0° / 124.0 + 79.0°  
 Efficiency 92 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



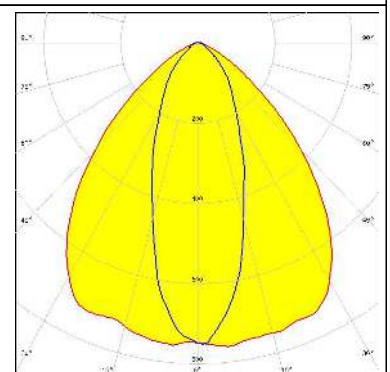
### SAMSUNG

LED LM302Z plus  
 FWHM / FWTM 78.0 + 37.0° / 117.0 + 91.0°  
 Efficiency 93 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 2  
 Light colour White  
 Required components:



### SAMSUNG

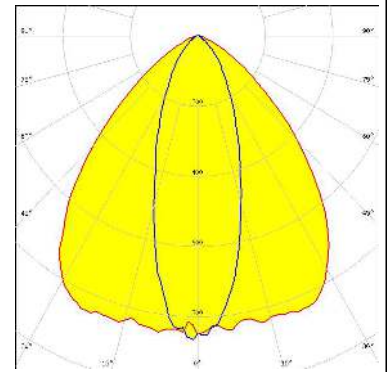
LED LM561B Plus  
 FWHM / FWTM 90.0 + 37.0° / 126.0 + 95.0°  
 Efficiency 91 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



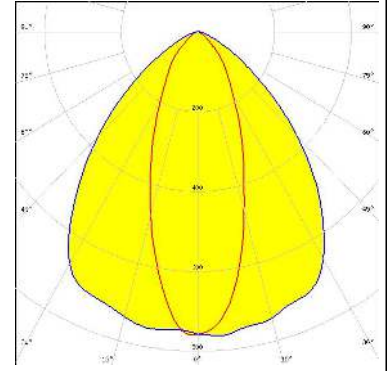
#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

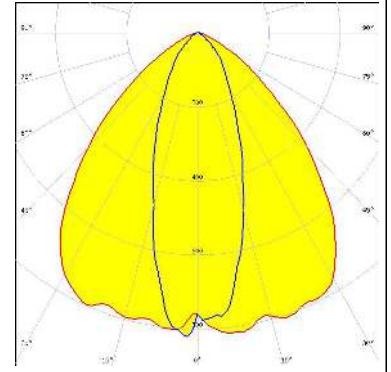
LED LM561C  
 FWHM / FWTM 90.0 + 35.0° / 125.0 + 84.0°  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED SEOUL 5630D  
 FWHM / FWTM 87.0 + 37.0° / 126.0 + 90.0°  
 Efficiency 89 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED SEOUL DC 3030C  
 FWHM / FWTM 92.0 + 36.0° / 128.0 + 87.0°  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### 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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#### Local sales and technical support

[www.ledil.com/  
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#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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