

## FLORENCE-3R-IP-O

~85° + 40° oval beam

### SPECIFICATION:

Dimensions	321.0 x 79.0 mm
Height	9.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

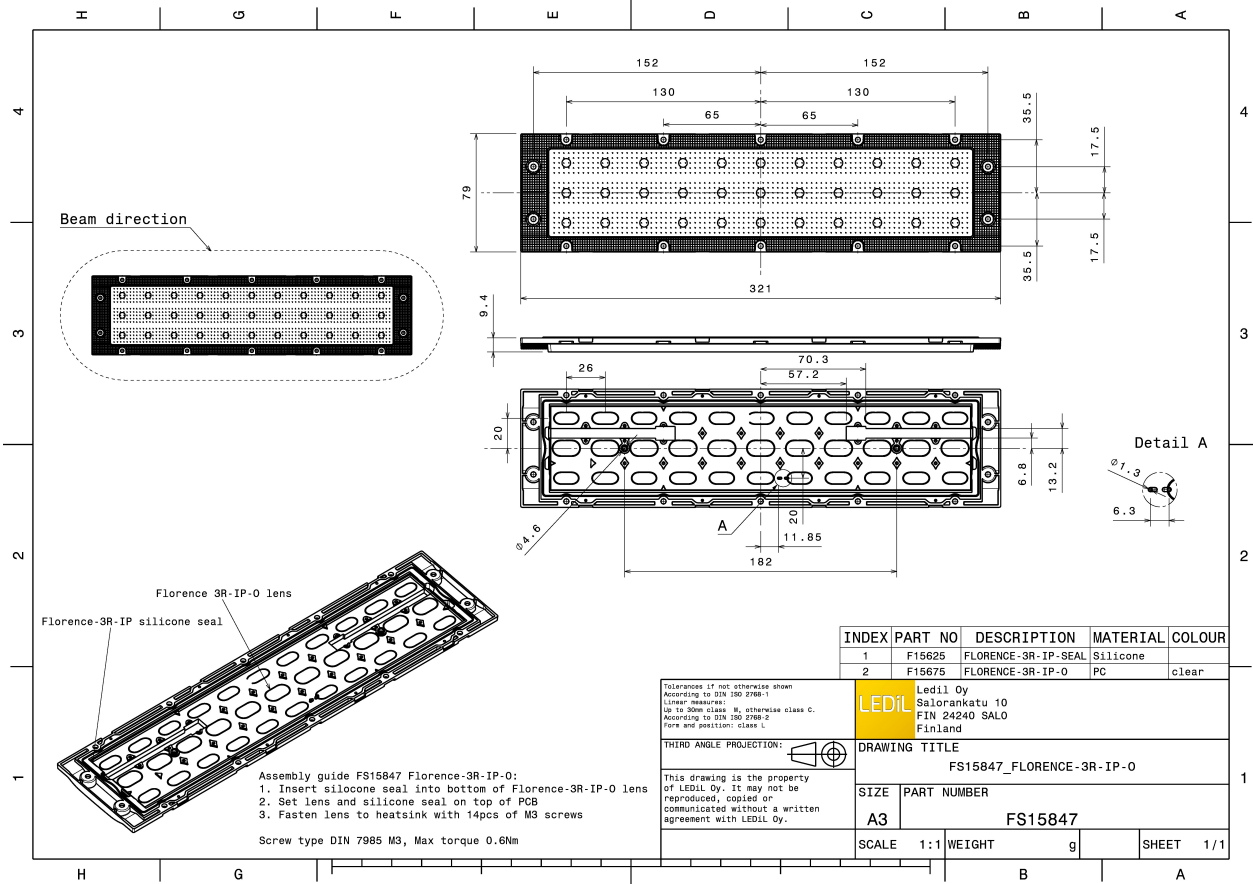
### MATERIALS:

Component	Type	Material	Colour	Finish
FLORENCE-3R-IP-O	Linear lens	PC	clear	
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear	

### ORDERING INFORMATION:

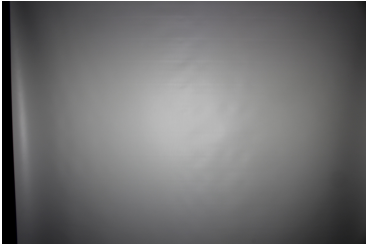
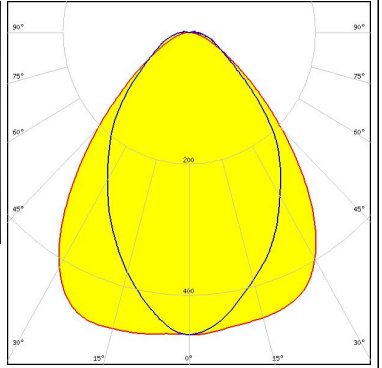

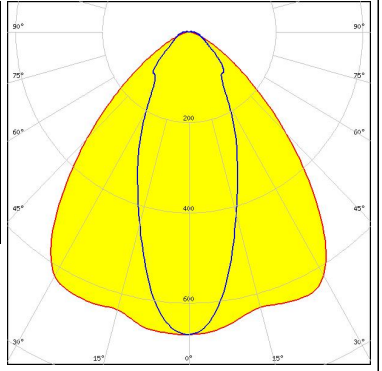

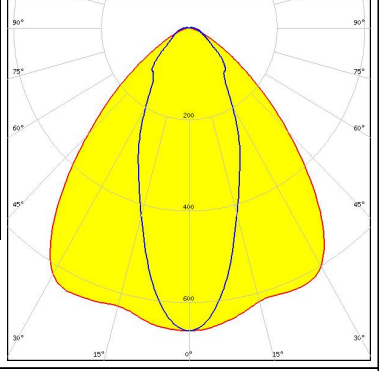
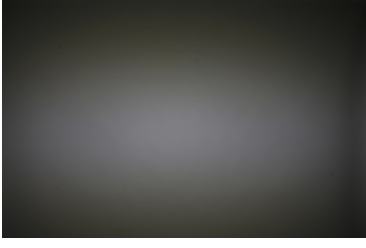
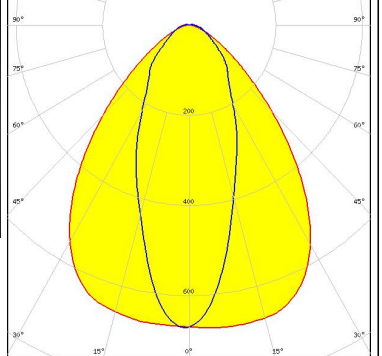
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FS15847_FLORENCE-3R-IP-O » Box size: 356 x 356 x 292 mm	Linear lens	80	80	4	13.0





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

#### OPTICAL RESULTS (MEASURED):

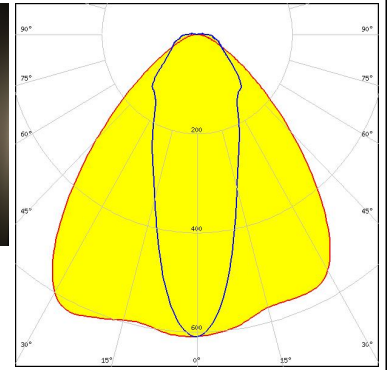
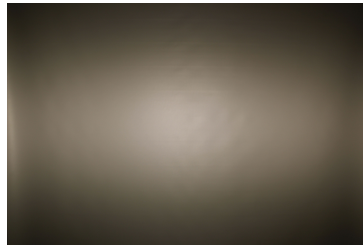
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 86.0 + 72.0° / 128.0 + 136.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>MST</b> <i>Your solutions</i></p> <p>LED LinLED 280x55mm 1100lm 840 3x11 33V Opt G2</p> <p>FWHM / FWTM 88.5 + 40.0° / 125.0 + 105.5°</p> <p>Efficiency 85 %</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><b>MST</b> <i>Your solutions</i></p> <p>LED LinLED 280x55mm 2000lm 830 33V Opt G1</p> <p>FWHM / FWTM 89.0 + 41.0° / 125.0 + 106.5°</p> <p>Efficiency 85 %</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><b>OSRAM</b></p> <p>LED PLG2-BAR-1100-xxx-280x55-DC</p> <p>FWHM / FWTM 84.0 + 40.0° / 125.0 + 111.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 0.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

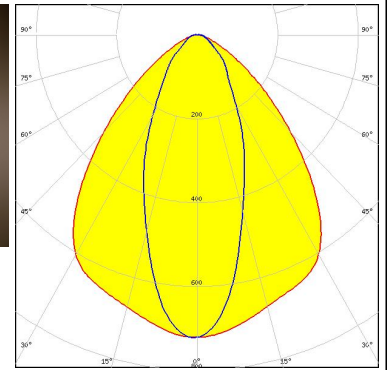
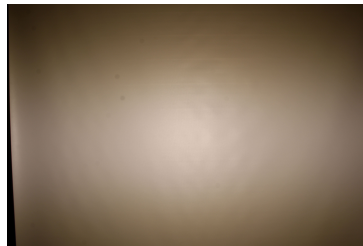
LED Duris S2  
 FWHM / FWTM 88.0 + 33.5° / 127.0 + 123.5°  
 Efficiency 81 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### SEOUL

SEOUL SEMICONDUCTOR

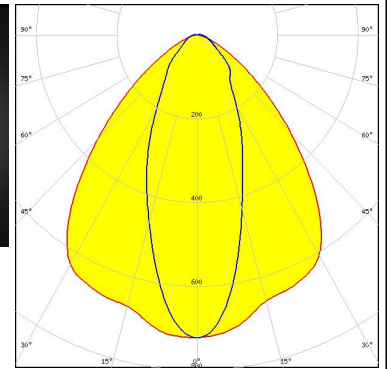
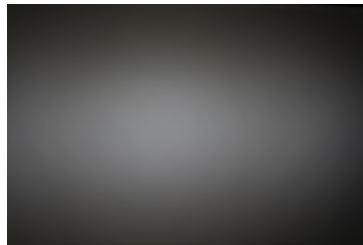
LED SEOUL 5630C  
 FWHM / FWTM 87.0 + 41.0° / 127.0 + 99.0°  
 Efficiency 87 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### SEOUL

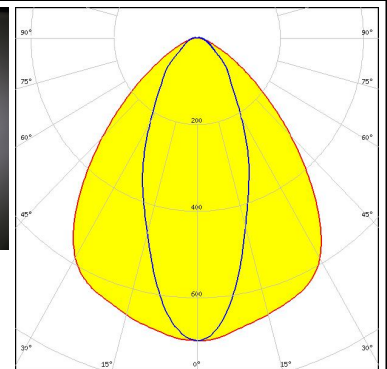
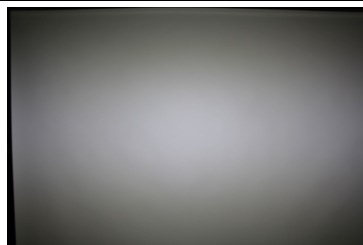
SEOUL SEMICONDUCTOR

LED SEOUL DC 3030  
 FWHM / FWTM 88.0 + 39.0° / 127.0 + 101.0°  
 Efficiency 88 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### TRIDONIC

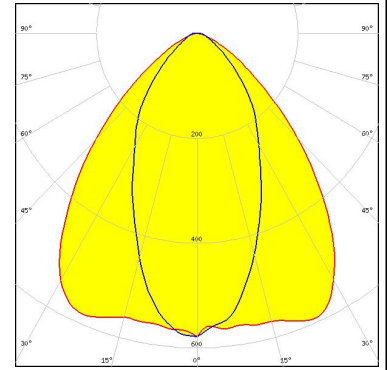
LED LLE G2 55x280mm 2000lm  
 FWHM / FWTM 87.0 + 43.0° / 127.0 + 101.0°  
 Efficiency 88 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



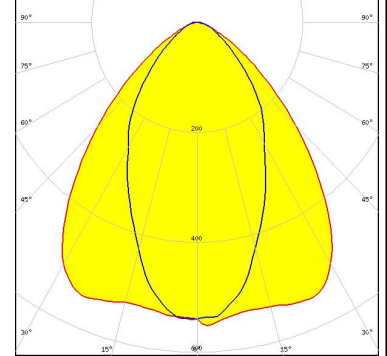
#### OPTICAL RESULTS (SIMULATED):



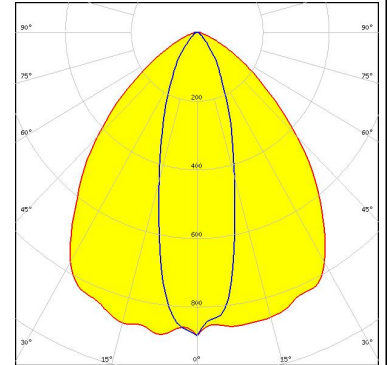
LED J Series 5050 Round LES  
 FWHM / FWTM 88.0 + 52.0° / 126.0 + 109.0°  
 Efficiency 89 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



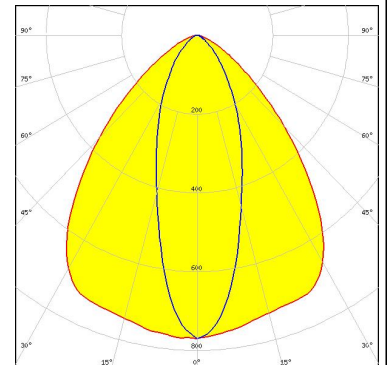
LED J Series 5050B 6V K Class  
 FWHM / FWTM 88.0 + 57.0° / 126.0 + 116.0°  
 Efficiency 89 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



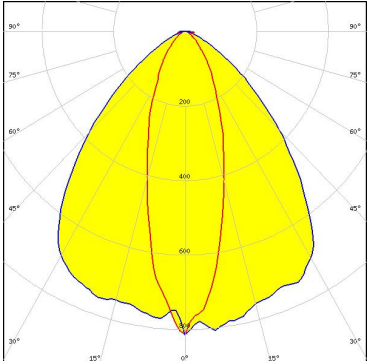
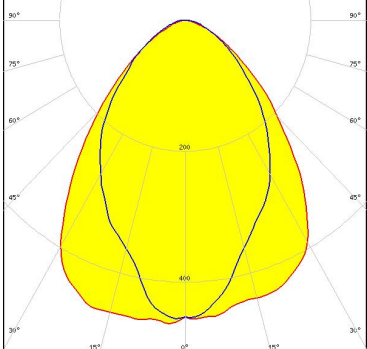
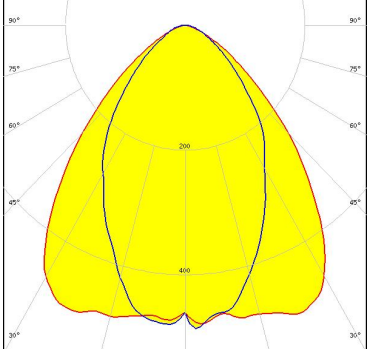
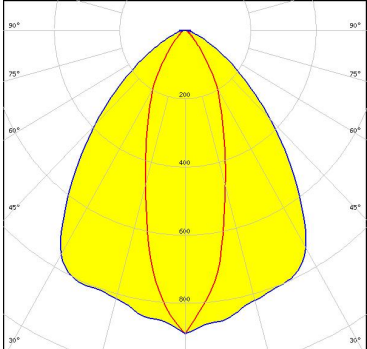
LED LUXEON CZ  
 FWHM / FWTM 89.0 + 30.0° / 128.0 + 74.0°  
 Efficiency 87 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NF2x757D  
 FWHM / FWTM 86.0 + 34.0° / 126.0 + 89.0°  
 Efficiency 87 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



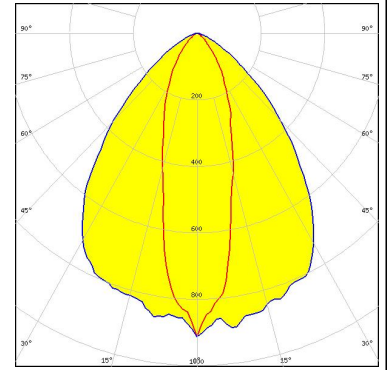
#### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NVSxE21A            FWHM / FWTM: 30.0 + 87.0° / 81.0 + 124.0°            Efficiency: 86 %            Peak intensity: 0.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: Duris S10            FWHM / FWTM: 85.0 + 72.0° / 131.0 + 133.0°            Efficiency: 84 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: Duris S8            FWHM / FWTM: 89.0 + 67.0° / 128.0 + 122.0°            Efficiency: 88 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSCONIQ P 3030            FWHM / FWTM: 32.0 + 85.0° / 77.0 + 125.0°            Efficiency: 89 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

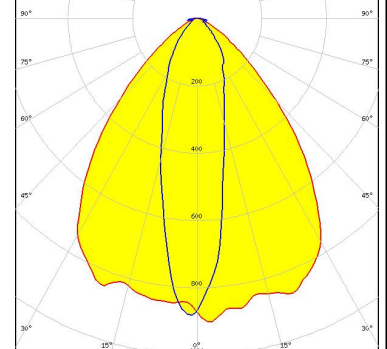
#### SAMSUNG

LED LM302B  
 FWHM / FWTM 82.0 + 28.0° / 128.0 + 78.0°  
 Efficiency 86 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



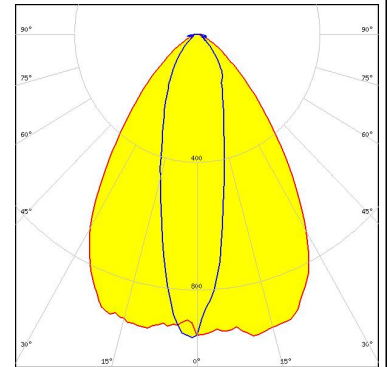
#### SAMSUNG

LED LM302Z  
 FWHM / FWTM 82.0 + 25.0° / 119.0 + 84.0°  
 Efficiency 88 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



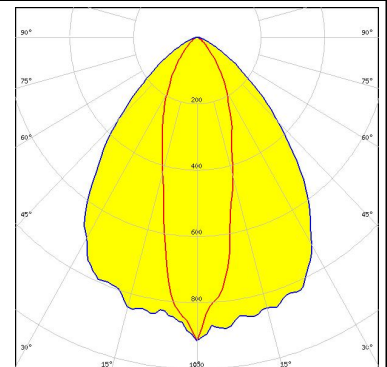
#### SAMSUNG

LED LM302Z  
 FWHM / FWTM 73.0 + 27.0° / 114.0 + 83.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 2  
 Light colour White  
 Required components:



#### SAMSUNG

LED LM561B Plus  
 FWHM / FWTM 82.0 + 28.0° / 121.0 + 79.0°  
 Efficiency 86 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

<p><b>SEOULED</b> SEOULED SEMICONDUCTOR</p> <p>LED: SEOUL DC 3030C FWHM / FWTM: 84.0 + 30.0° / 125.0 + 85.0° Efficiency: 92 % Peak intensity: 0.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p><b>SEOULED</b> SEOULED SEMICONDUCTOR</p> <p>LED: SEOUL DC 3528 FWHM / FWTM: 87.0 + 31.0° / 125.0 + 84.0° Efficiency: 88 % Peak intensity: 0.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p><b>SEOULED</b> SEOULED SEMICONDUCTOR</p> <p>LED: Z8Y22 FWHM / FWTM: 90.0 + 40.0° / 128.0 + 95.0° Efficiency: 92 % Peak intensity: 0.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p><b>SEOULED</b> SEOULED SEMICONDUCTOR</p> <p>LED: Z8Y22P FWHM / FWTM: 91.0 + 40.0° / 131.0 + 95.0° Efficiency: 91 % Peak intensity: 0.7 cd/lm LEDs/each optic: 1 Light colour: White 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:

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#### Local sales and technical support

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