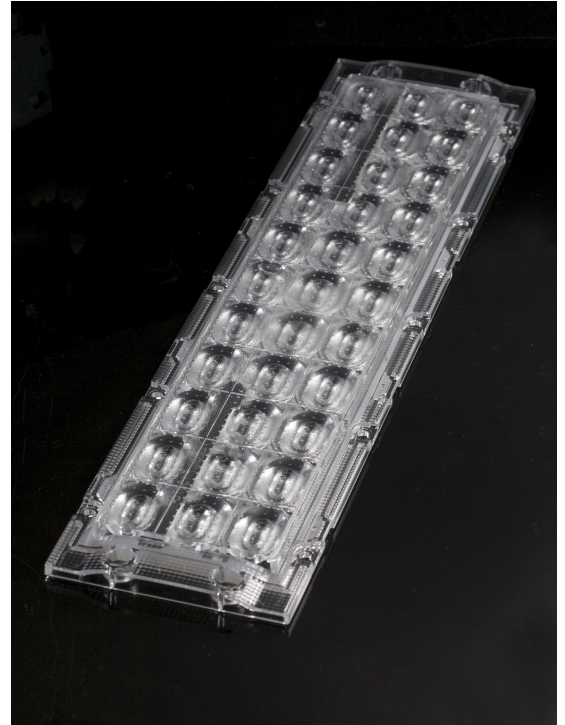


## FLORENCE-3R-IP-O

~85° + 40° oval beam

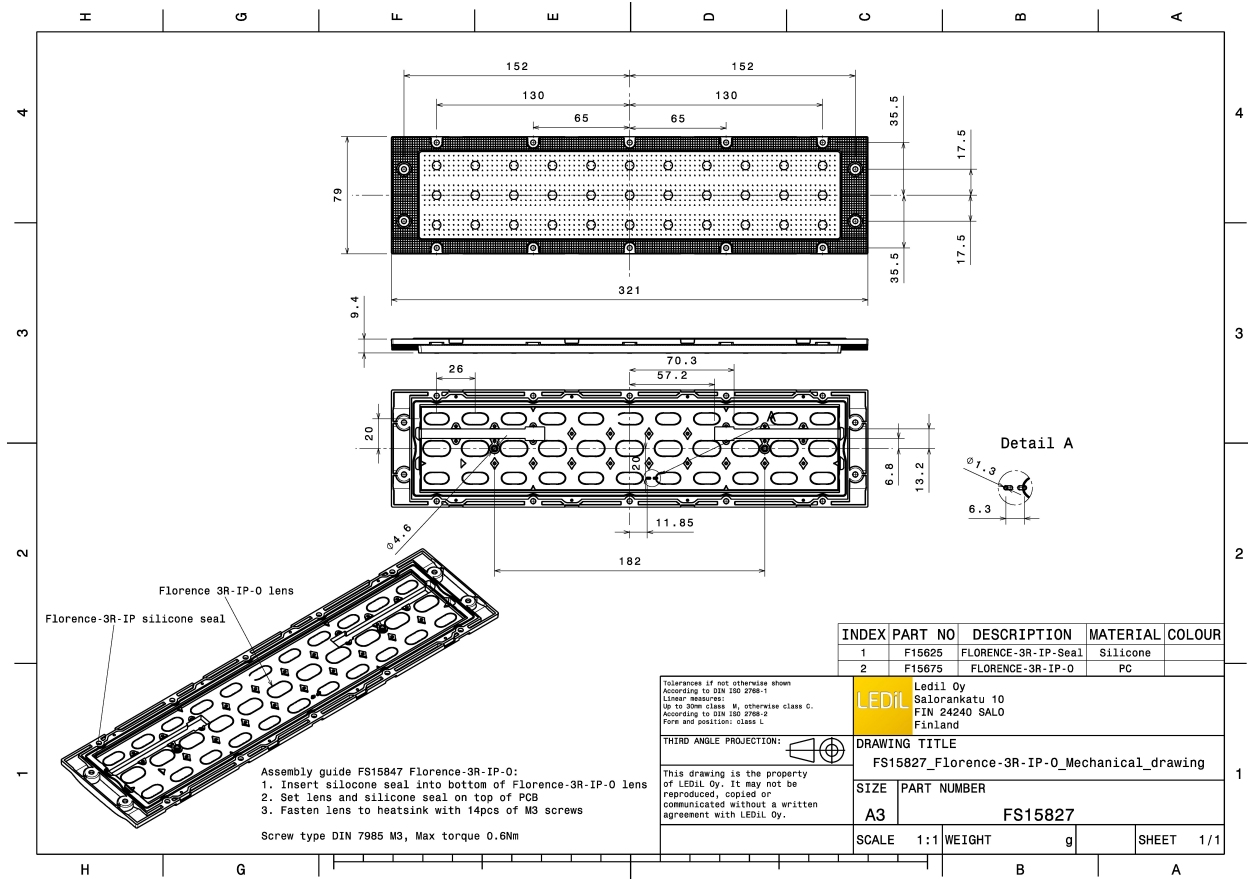
### TECHNICAL SPECIFICATIONS:

Dimensions	321.0 x 79.0 mm
Height	9.4 mm
Fastening	screw
Colour	clear
Box size	356 x 356 x 292 mm
Box weight	13 kg
Quantity in Box	80 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

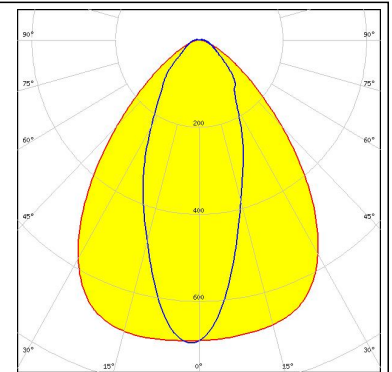
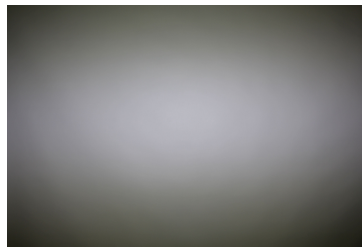
Component	Type	Material	Colour
FLORENCE-3R-IP-O	Linear lens	PC	
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear



#### PHOTOMETRIC DATA (MEASURED):

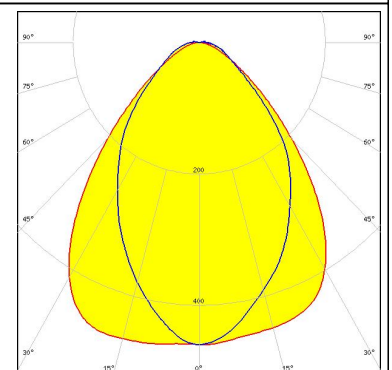
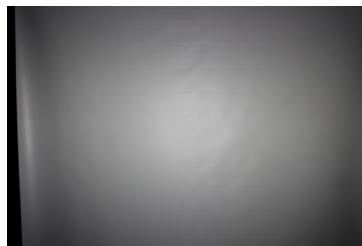
##### **LG Innotek**

LED LG 6030  
 FWHM 83.0 + 40.0°  
 Efficiency 85 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



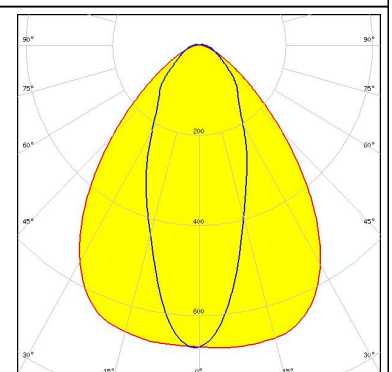
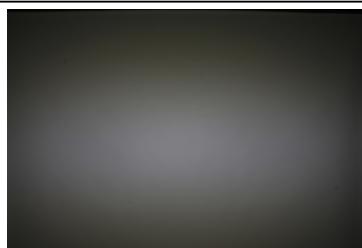
##### **LUMILEDS**

LED LUXEON 5050 Round LES  
 FWHM 86.0 + 72.0°  
 Efficiency 86 %  
 Peak intensity 0.470 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



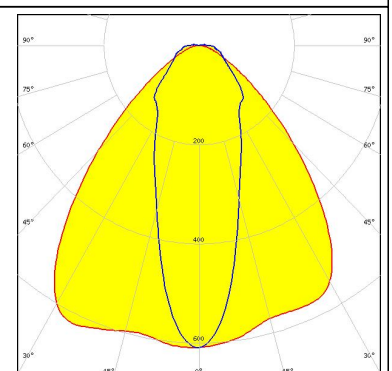
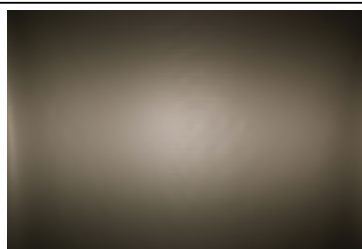
##### **OSRAM**

LED PLG2-BAR-1100-xxx-280x55-DC  
 FWHM 84.0 + 40.0°  
 Efficiency 86 %  
 Peak intensity 0.680 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



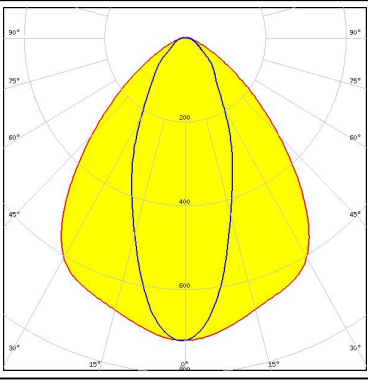


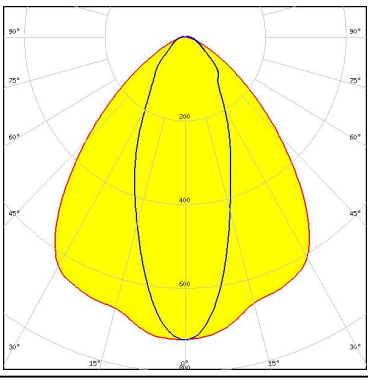

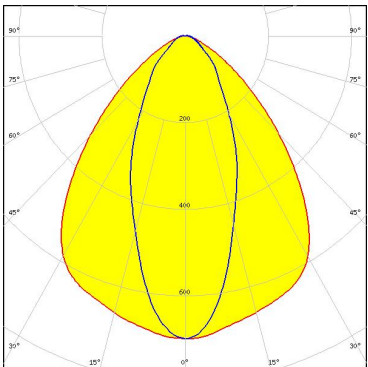


##### **OSRAM**

LED Duris S2  
 FWHM 88.0 + 33.5°  
 Efficiency 81 %  
 Peak intensity 0.621 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



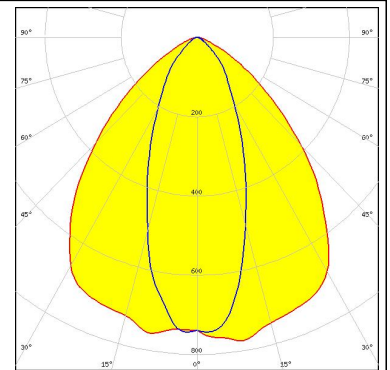
#### PHOTOMETRIC DATA (MEASURED):

<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: SEOUL 5630C            FWHM: 87.0 + 41.0°            Efficiency: 87 %            Peak intensity: 0.720 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED: SEOUL DC 3030            FWHM: 88.0 + 39.0°            Efficiency: 88 %            Peak intensity: 0.720 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED: LLE G2 55x280mm 2000lm            FWHM: 87.0 + 43.0°            Efficiency: 88 %            Peak intensity: 0.700 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		

#### PHOTOMETRIC DATA (SIMULATED):

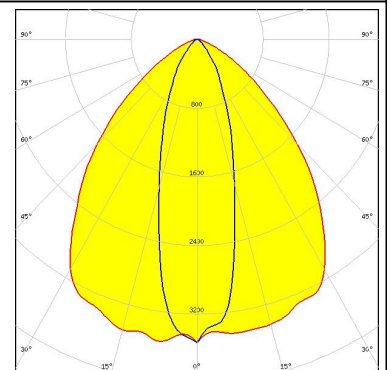
##### **LG Innotek**

LED LG 3528  
 FWHM 89.0 + 40.0°  
 Efficiency 92 %  
 Peak intensity 0.777 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



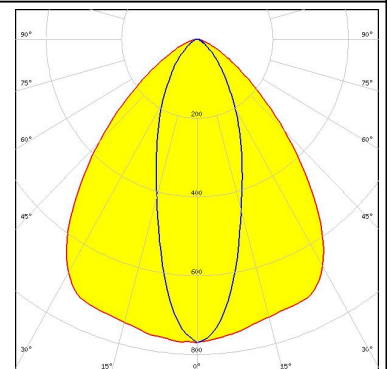
##### **LUMILEDS**

LED LUXEON CZ  
 FWHM 89.0 + 30.0°  
 Efficiency 87 %  
 Peak intensity 0.890 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



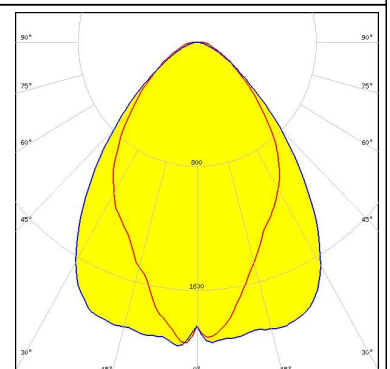
##### **NICHIA**

LED NF2x757D  
 FWHM 86.0 + 34.0°  
 Efficiency 87 %  
 Peak intensity 0.780 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### **OSRAM** Opto Semiconductors

LED Duris S10  
 FWHM 84.0 + 70.0°  
 Efficiency 86 %  
 Peak intensity 0.490 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

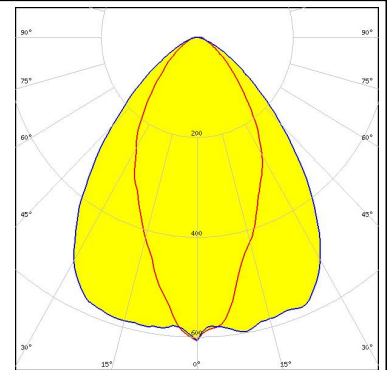


#### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

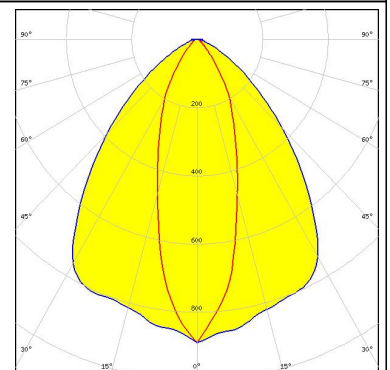
LED Duris S8  
 FWHM 84.0 + 51.0°  
 Efficiency 88 %  
 Peak intensity 0.620 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

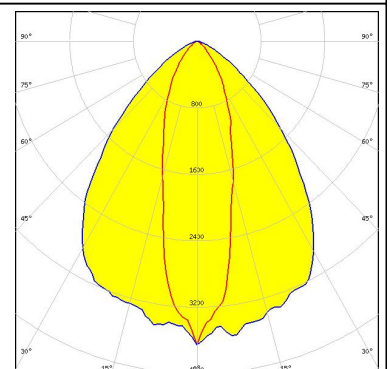
Opto Semiconductors

LED OSCONIQ P 3030  
 FWHM 32.0 + 85.0°  
 Efficiency 89 %  
 Peak intensity 0.890 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



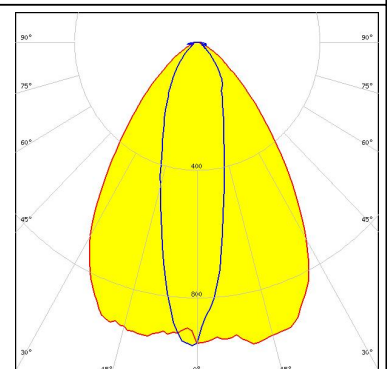
#### SAMSUNG

LED LM302B  
 FWHM 82.0 + 28.0°  
 Efficiency 86 %  
 Peak intensity 0.920 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

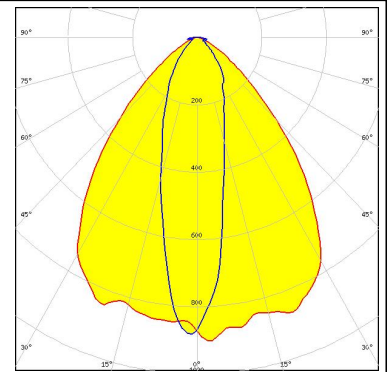
LED LM302Z  
 FWHM 73.0 + 27.0°  
 Efficiency 88 %  
 Peak intensity 0.960 cd/lm  
 LEDs/each optic 2  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

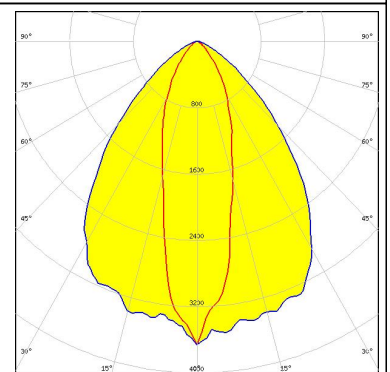
#### SAMSUNG

LED LM302Z  
 FWHM 82.0 + 25.0°  
 Efficiency 88 %  
 Peak intensity 0.910 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

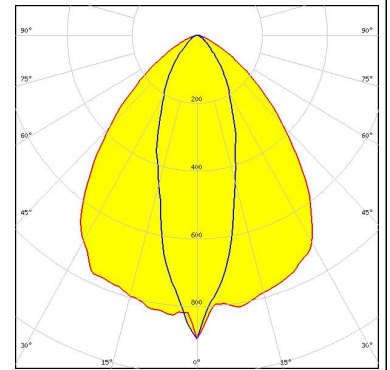


#### SAMSUNG

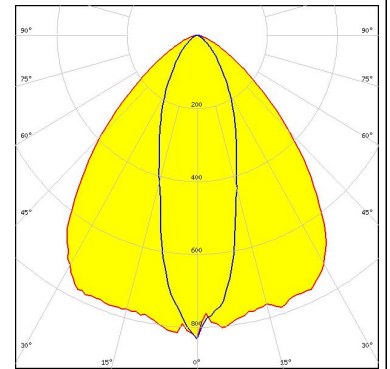
LED LM561B Plus  
 FWHM 82.0 + 28.0°  
 Efficiency 86 %  
 Peak intensity 0.930 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED SEOUL DC 3030C  
 FWHM 84.0 + 30.0°  
 Efficiency 92 %  
 Peak intensity 0.895 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR  
 LED SEOUL DC 3528  
 FWHM 87.0 + 31.0°  
 Efficiency 88 %  
 Peak intensity 0.840 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22 FWHM 90.0 + 40.0° Efficiency 92 % Peak intensity 0.700 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM 91.0 + 40.0° Efficiency 91 % Peak intensity 0.680 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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