


## FLORENCE-3R-IP-Z60

~60° wide beam

### TECHNICAL SPECIFICATIONS:

Dimensions	321.0 x 79.0 mm
Height	9.4 mm
Fastening	screw
ROHS compliant	yes 

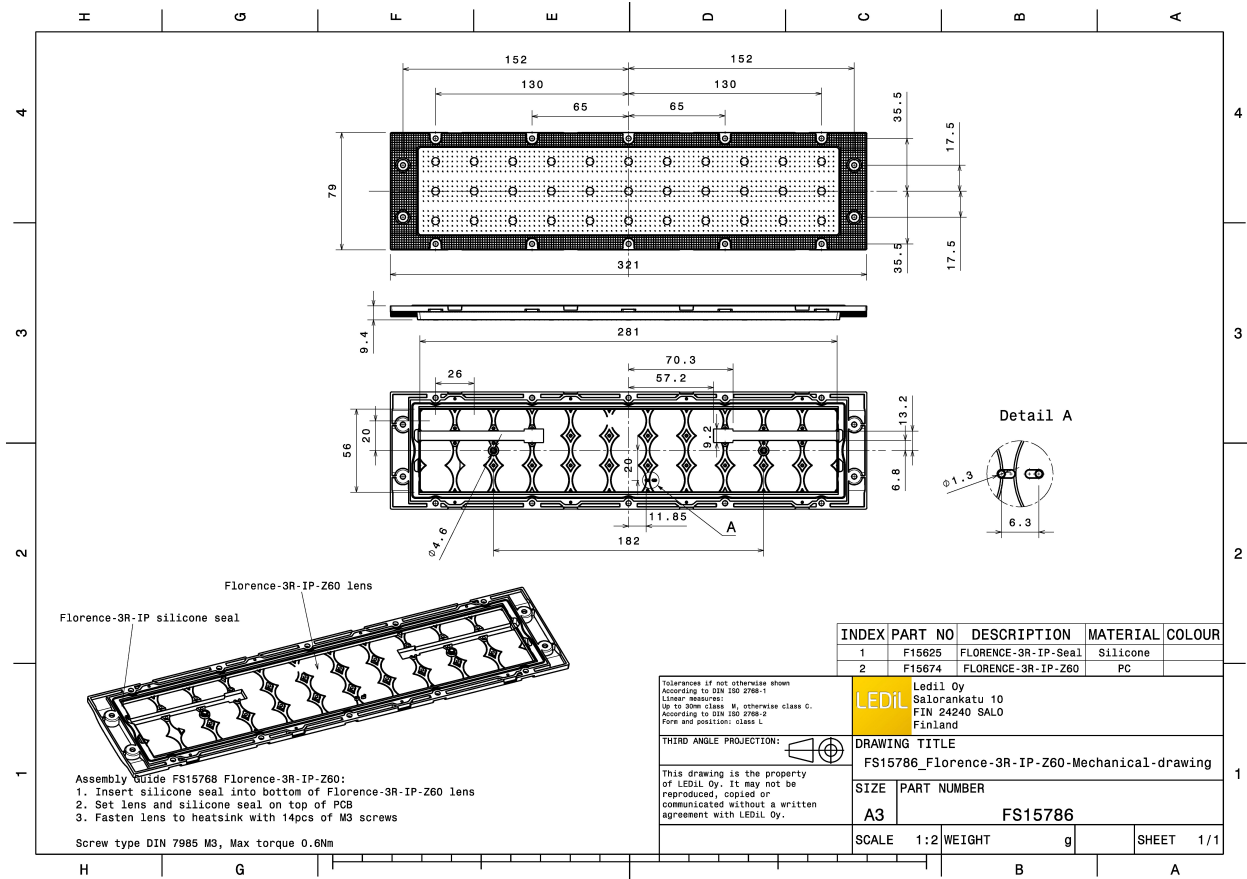
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
FLORENCE-3R-IP-Z60	Linear lens	PC	clear	
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear	



### ORDERING INFORMATION:

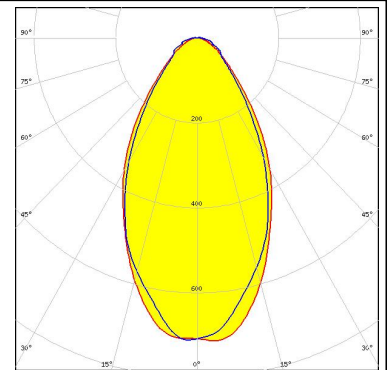
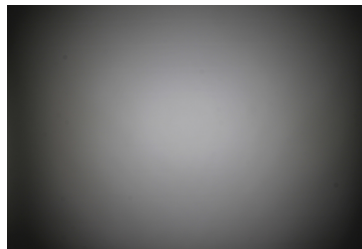
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FS15786_FLORENCE-3R-IP-Z60 » Box size: 356 x 356 x 292 mm	Linear lens	80	80	4	13.0



#### PHOTOMETRIC DATA (MEASURED):

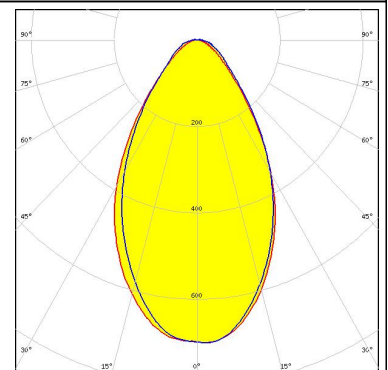
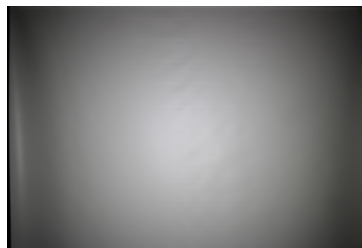
##### LG Innotek

LED LG 6030  
 FWHM 60.0°  
 Efficiency 86 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



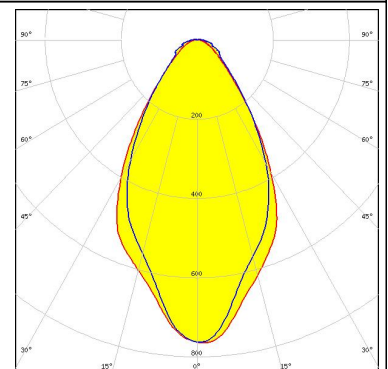
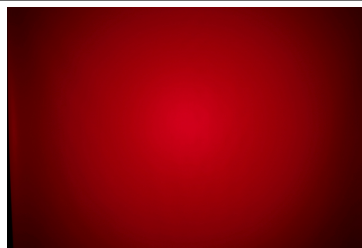
##### LUMILEDS

LED LUXEON 5050 Round LES  
 FWHM 62.5 + 60.0°  
 Efficiency 87 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



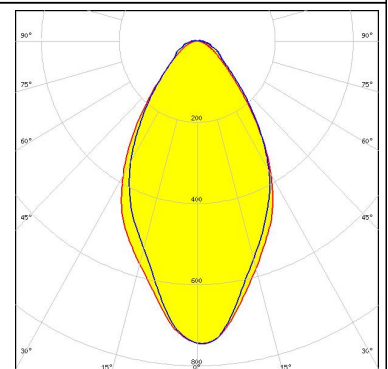
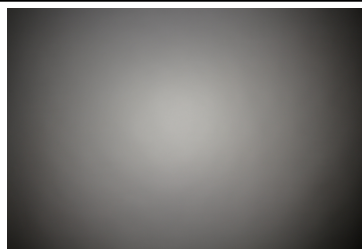
##### LUMINUS

LED SST-10-B130  
 FWHM 61.0°  
 Efficiency 88 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour Deep Red  
 Required components:



##### NICHIA

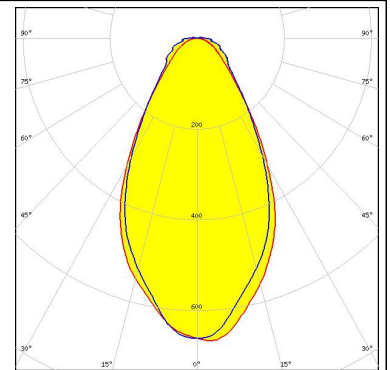
LED NVSxx19B/NVSxx19C  
 FWHM 59.0°  
 Efficiency 87 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

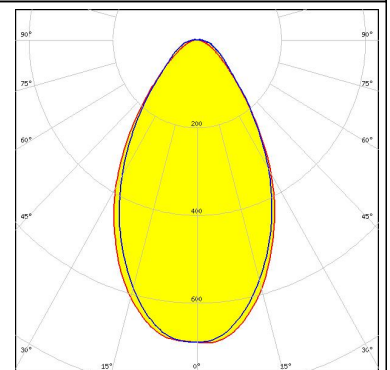
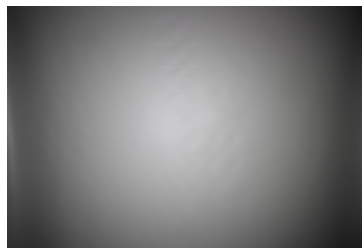
##### OSRAM Opto Semiconductors

LED Duris S2  
FWHM 58.0°  
Efficiency 82 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



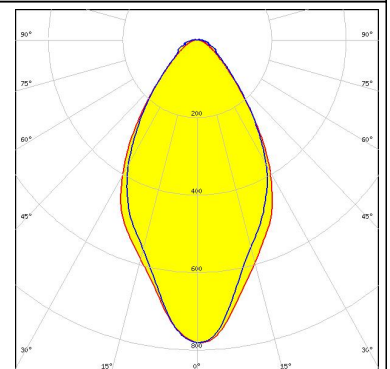
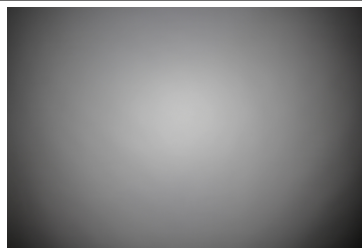
##### OSRAM Opto Semiconductors

LED Duris S8  
FWHM 62.0°  
Efficiency 86 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



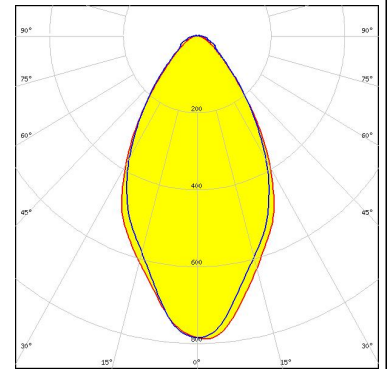
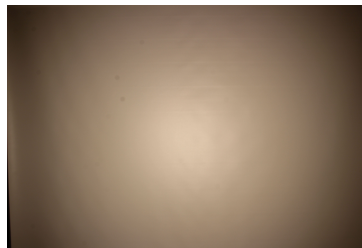
##### OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM 59.0°  
Efficiency 88 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:


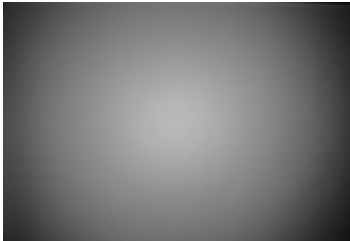
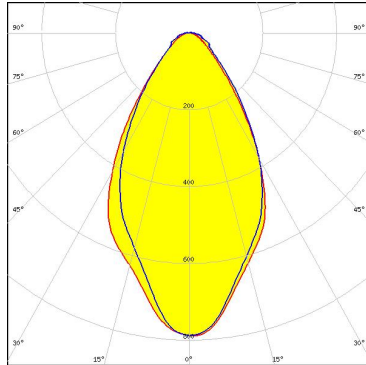
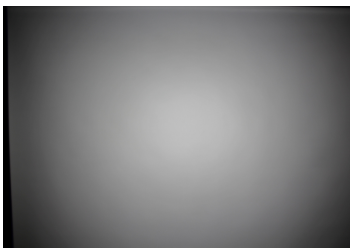
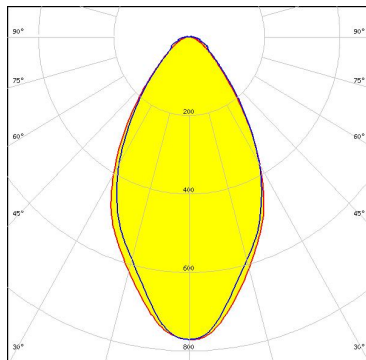


##### SEOUL SEMICONDUCTOR


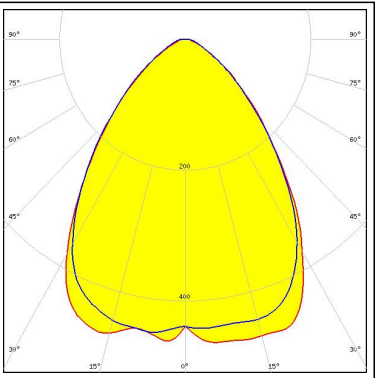

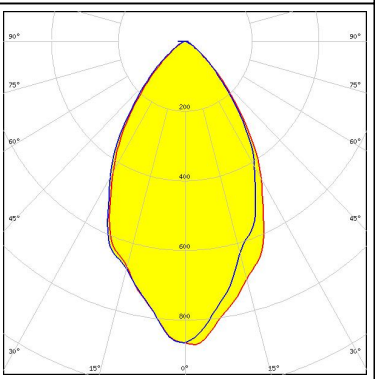

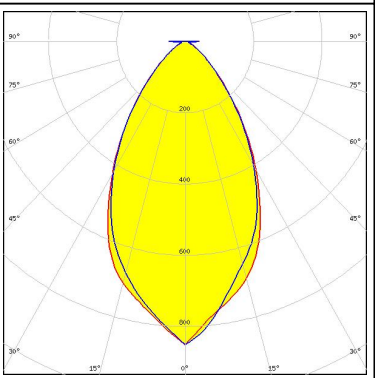

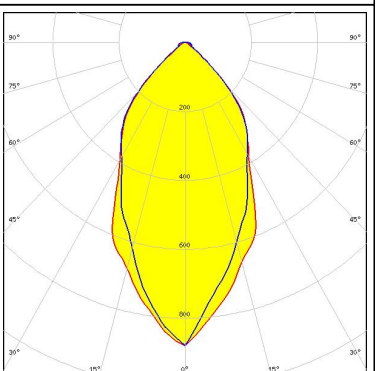
LED SEOUL 5630C  
FWHM 59.0°  
Efficiency 87 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:




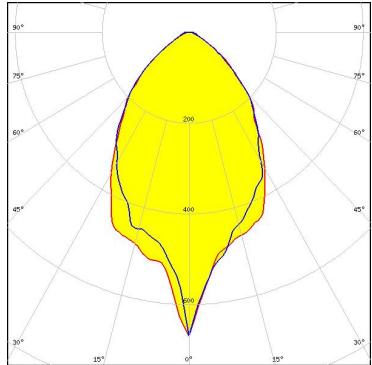

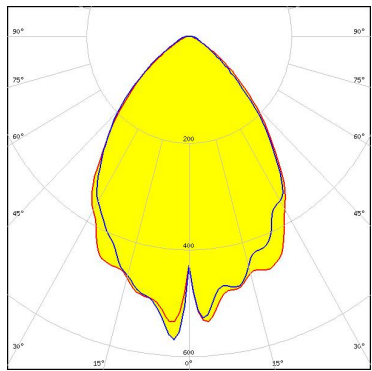

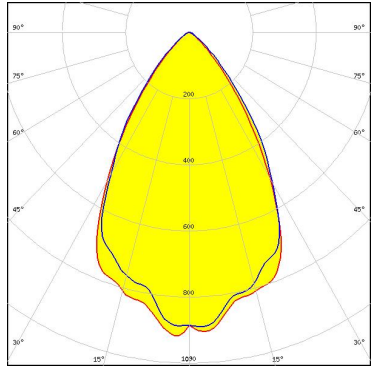

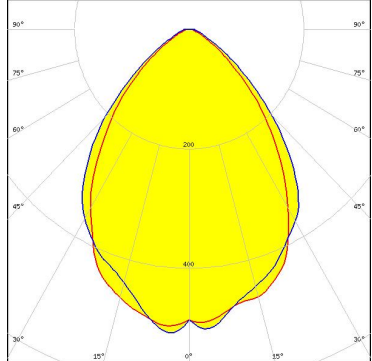
#### PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SEOUL DC 3030 FWHM                60.0 + 57.0° Efficiency           88 % Peak intensity      0.8 cd/lm LEDs/each optic   1 Light colour        White Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED                    LLE G2 55x280mm 2000lm FWHM                59.0° Efficiency           88 % Peak intensity      0.8 cd/lm LEDs/each optic   1 Light colour        White Required components:</p>		

#### PHOTOMETRIC DATA (SIMULATED):

<p> <b>bridgelux</b></p> <p>LED: Bridgelux SMD 5050            FWHM: 79.0°            Efficiency: 83 %            Peak intensity: 0.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>CREE</b></p> <p>LED: XP-G2            FWHM: 60.0°            Efficiency: 92 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>CREE</b></p> <p>LED: XP-G3            FWHM: 59.0°            Efficiency: 92 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>LG Innotek</b></p> <p>LED: LG 3528            FWHM: 52.0°            Efficiency: 91 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

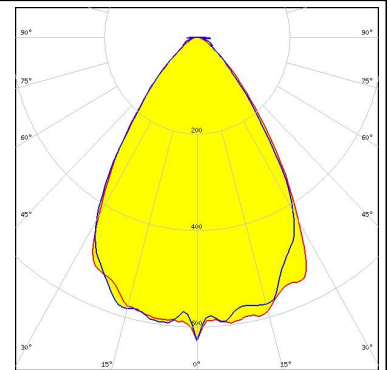
#### PHOTOMETRIC DATA (SIMULATED):

	<p>LED LUXEON CZ            FWHM 61.0°            Efficiency 83 %            Peak intensity 0.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED Duris E 2835            FWHM 74.0°            Efficiency 84 %            Peak intensity 0.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED OSCONIQ P 3030            FWHM 64.0°            Efficiency 90 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour Hyper Red            Required components:</p>	
	<p>LED OSCONIQ P 3737 (2W version)            FWHM 78.0°            Efficiency 84 %            Peak intensity 0.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

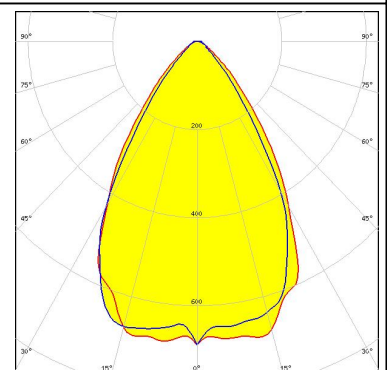
#### SAMSUNG

LED LM302Z  
 FWHM 70.0 + 69.0°  
 Efficiency 83 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



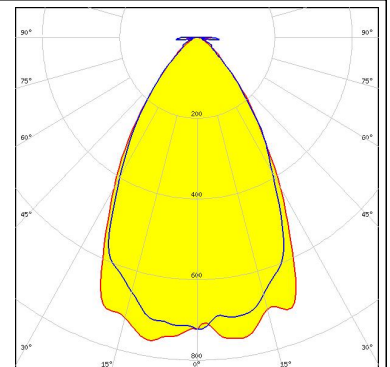
#### SAMSUNG

LED LM302Z  
 FWHM 68.0 + 64.0°  
 Efficiency 85 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 2  
 Light colour White  
 Required components:



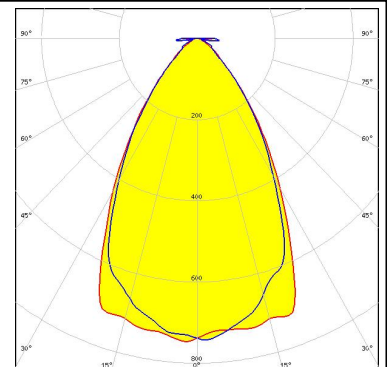
SEOUL SEMICONDUCTOR

LED Z8Y22  
 FWHM 62.0°  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P  
 FWHM 63.0°  
 Efficiency 93 %  
 Peak intensity 0.8 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:

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