

## FLORENCE-3R-IP-Z90

~90° wide beam

## SPECIFICATION:

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

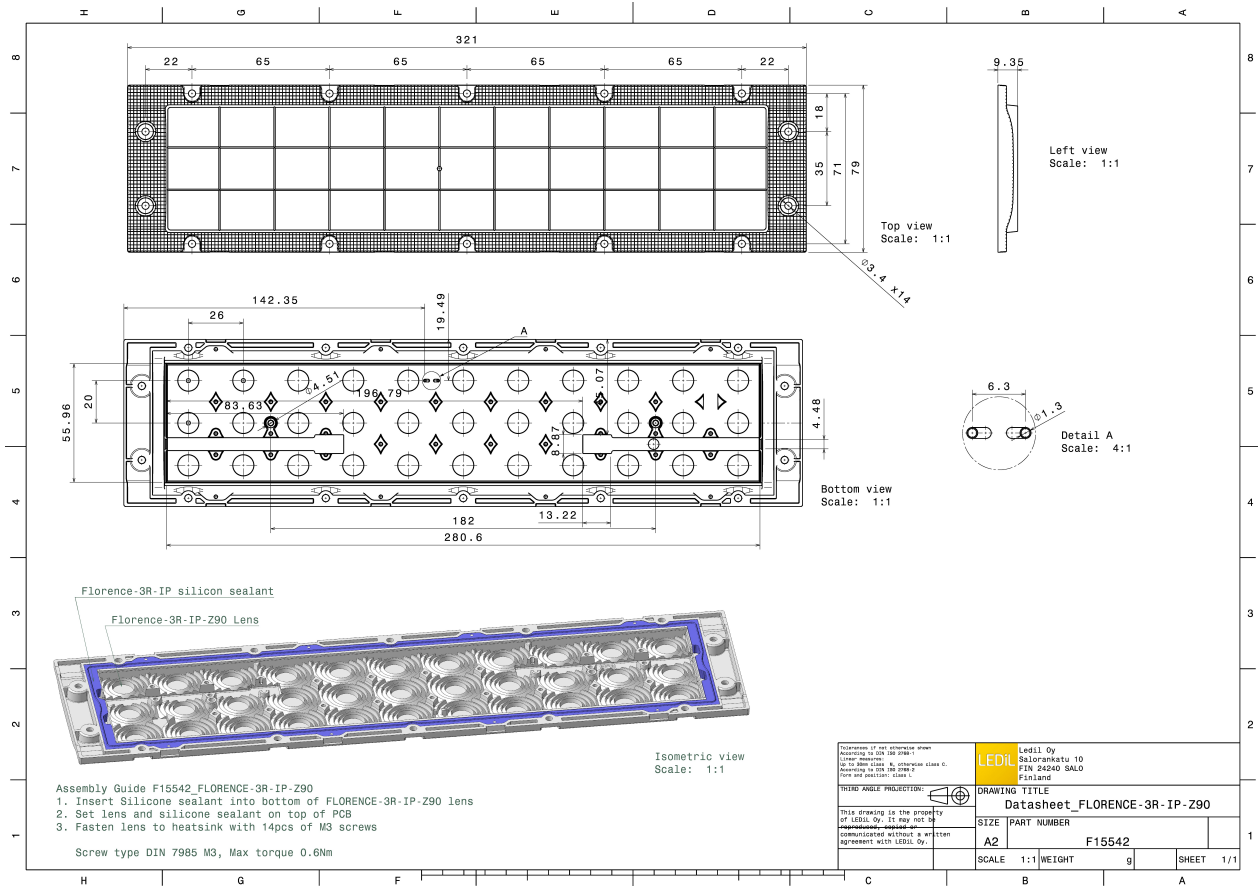
## MATERIALS:

Component	Type	Material	Colour	Finish
FLORENCE-3R-IP-Z90	Linear lens	PC	clear	
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear	

## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FS15626_FLORENCE-3R-IP-Z90	Linear lens	80	80	4	12.2
» Box size: 356 x 356 x 292 mm					



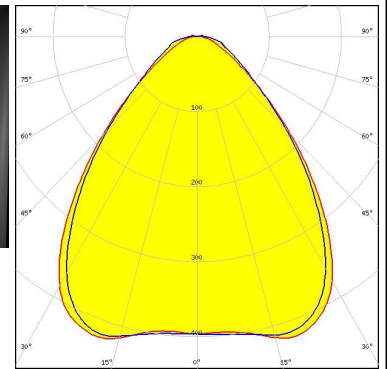
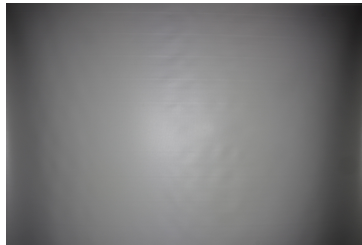


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

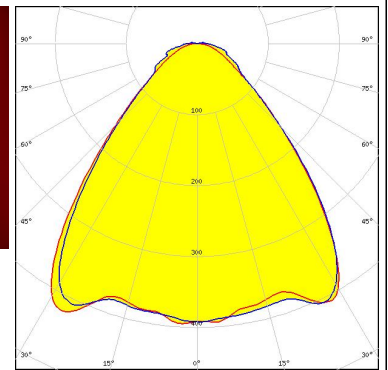
#### OPTICAL RESULTS (MEASURED):



LED LUXEON 5050 Round LES  
 FWHM / FWTM 87.0° / 136.0°  
 Efficiency 86 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

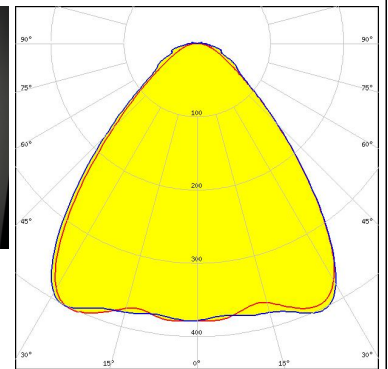
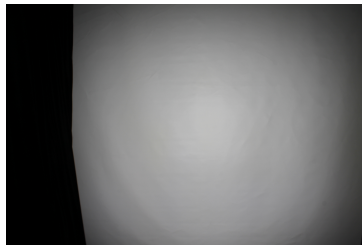


LED SST-10-B130  
 FWHM / FWTM 84.0° / 129.0 + 151.0°  
 Efficiency 88 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour Deep Red  
 Required components:



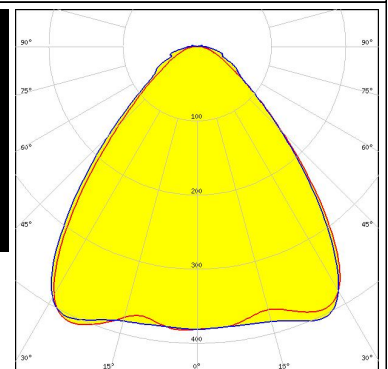
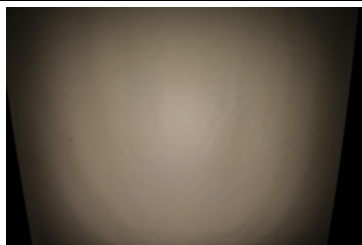
Your solutions

LED LinLED 280x55mm 1100lm 840 3x11 33V Opt G2  
 FWHM / FWTM 83.5 + 85.0° / 124.0 + 134.0°  
 Efficiency 84 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



Your solutions

LED LinLED 280x55mm 2000lm 830 33V Opt G1  
 FWHM / FWTM 83.0 + 84.5° / 124.0 + 134.5°  
 Efficiency 84 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

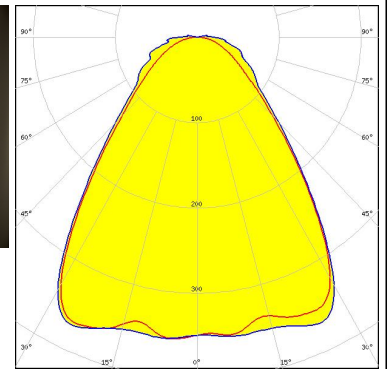
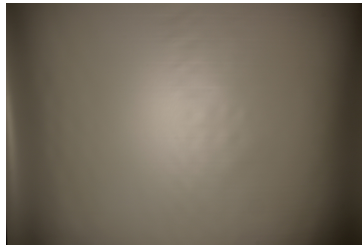


#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

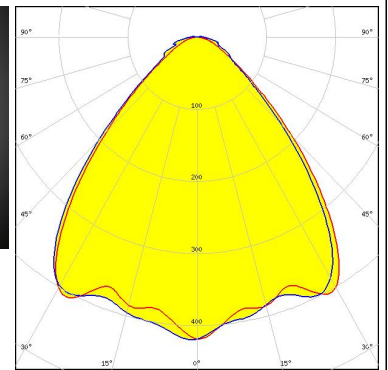
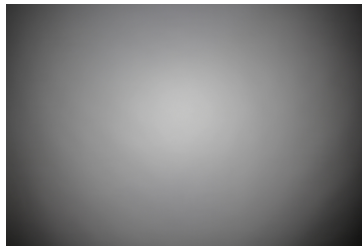
LED Duris S2  
FWHM / FWTM 82.0° / 154.0°  
Efficiency 82 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

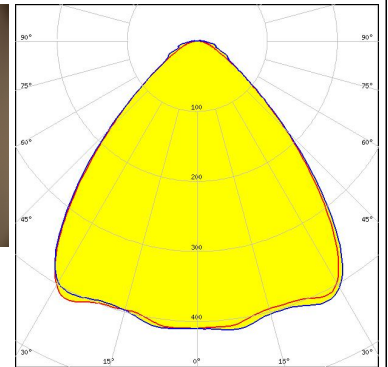
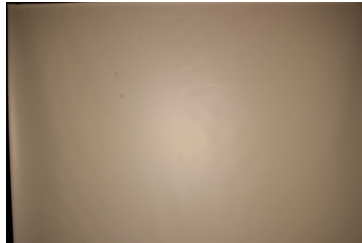
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 89.0° / 131.0°  
Efficiency 88 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



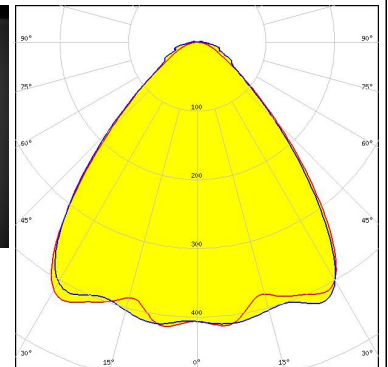
SEOUL SEMICONDUCTOR

LED SEOUL 5630C  
FWHM / FWTM 87.0° / 127.0°  
Efficiency 87 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED SEOUL DC 3030  
FWHM / FWTM 86.0° / 123.0 + 134.0°  
Efficiency 88 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

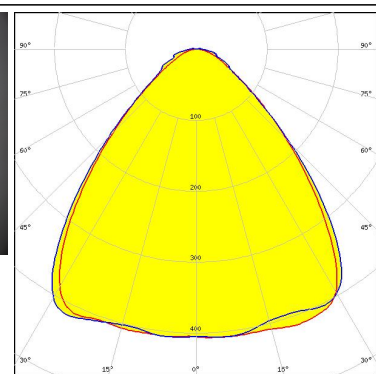
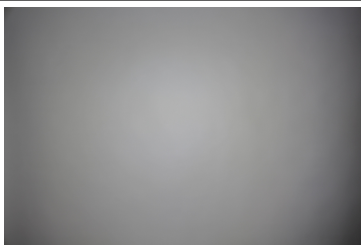




### OPTICAL RESULTS (MEASURED):

#### TRIDONIC

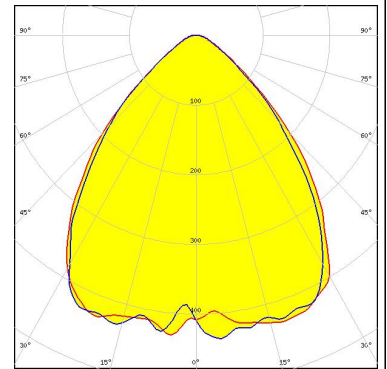
LED LLE G2 55x280mm 2000lm  
 FWHM / FWTM 86.0° / 130.0°  
 Efficiency 88 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



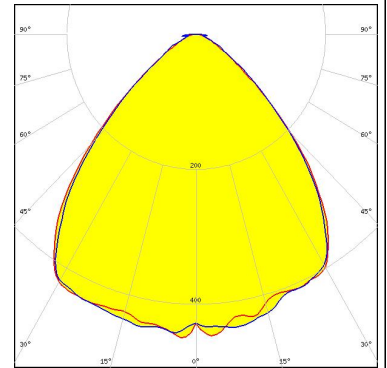
#### OPTICAL RESULTS (SIMULATED):



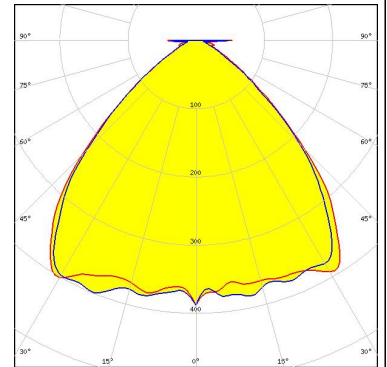
LED Bridgelux SMD 5050  
 FWHM / FWTM 86.0° / 121.0°  
 Efficiency 84 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



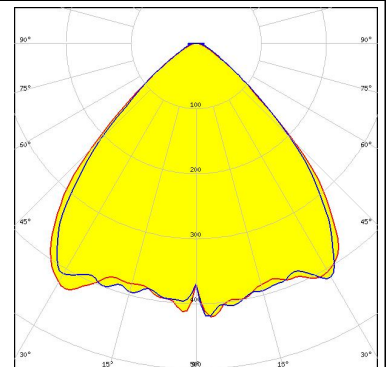
LED XP-E  
 FWHM / FWTM 89.0° / 124.0°  
 Efficiency 91 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G3  
 FWHM / FWTM 95.0° / 124.0°  
 Efficiency 90 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



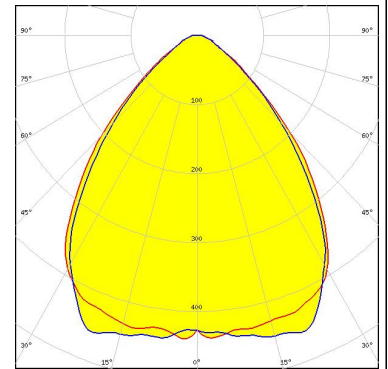
LED LUXEON CZ  
 FWHM / FWTM 92.0° / 120.0°  
 Efficiency 86 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



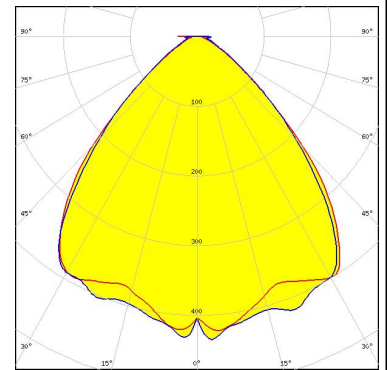
#### OPTICAL RESULTS (SIMULATED):



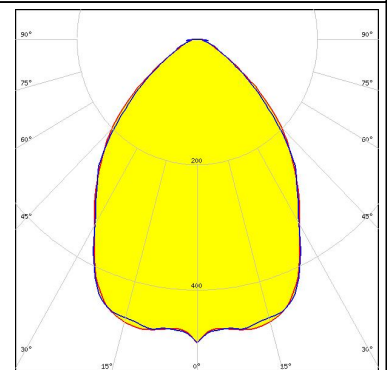
LED NF2x757G  
 FWHM / FWTM 88.0 + 82.0° / 122.0 + 120.0°  
 Efficiency 85 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



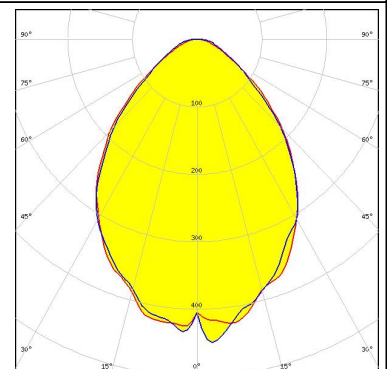
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 89.0° / 123.0°  
 Efficiency 89 %  
 Peak intensity 0.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Duris E 2835  
 FWHM / FWTM 81.0° / 122.0°  
 Efficiency %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 4  
 Light colour White  
 Required components:



LED Duris S10  
 FWHM / FWTM 82.0° / 132.0°  
 Efficiency 78 %  
 Peak intensity 0.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

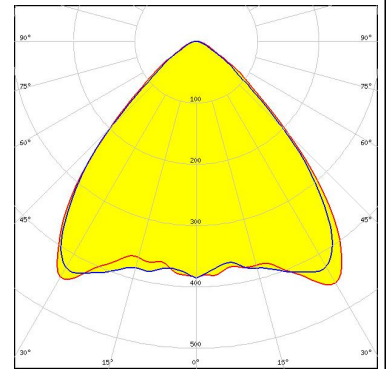


#### OPTICAL RESULTS (SIMULATED):

##### OSRAM

Opto Semiconductors

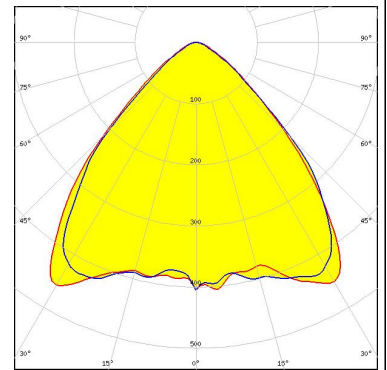
LED OSCONIQ P 3030  
FWHM / FWTM 89.0° / 118.0°  
Efficiency 90 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour Hyper Red  
Required components:



##### OSRAM

Opto Semiconductors

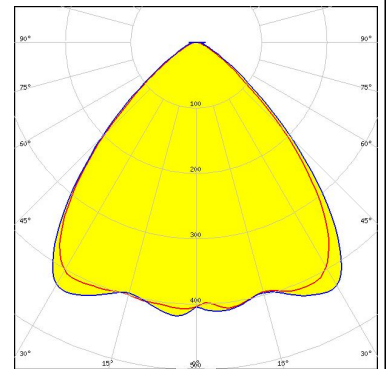
LED OSCONIQ P 3030  
FWHM / FWTM 89.0° / 119.0°  
Efficiency 90 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

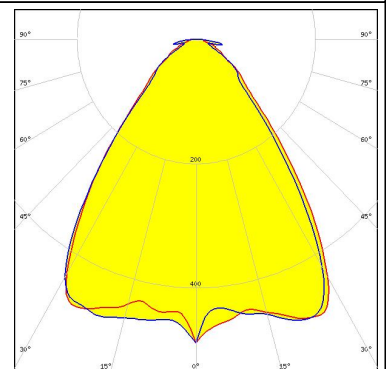
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)  
FWHM / FWTM 90.0° / 121.0°  
Efficiency 86 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### SAMSUNG

LED LM302Z  
FWHM / FWTM 78.0° / 123.0°  
Efficiency 91 %  
Peak intensity 0.5 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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