

## FLORENCE-3R-IP-Z60

~60° wide beam

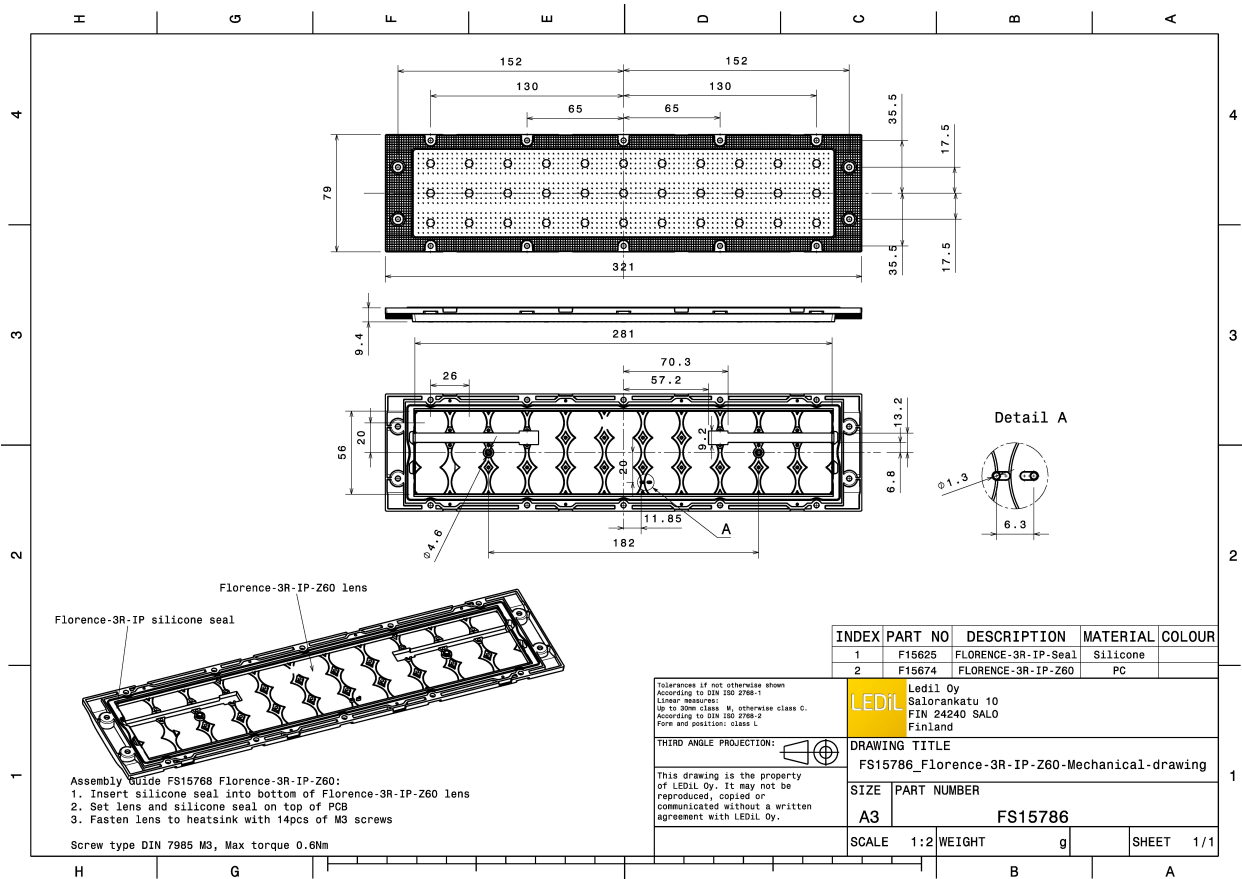
### TECHNICAL SPECIFICATIONS:

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:

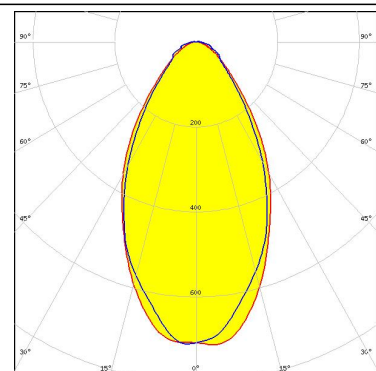
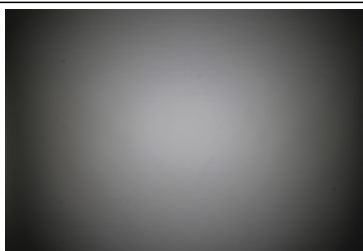
Component	Type	Material	Colour
FLORENCE-3R-IP-Z60	Linear lens	PC	clear
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear



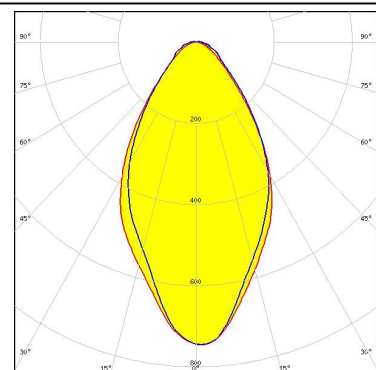
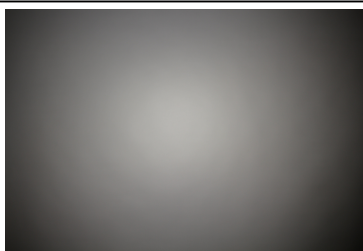
#### PHOTOMETRIC DATA (MEASURED):



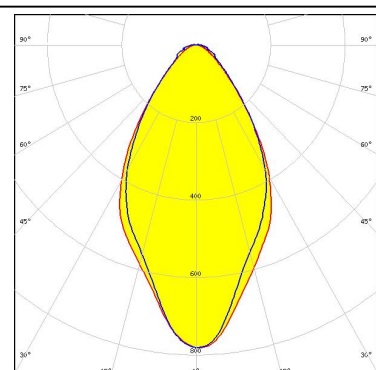
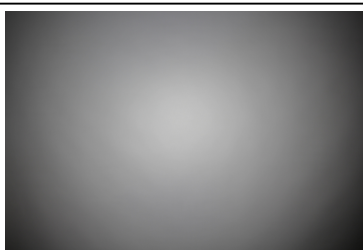
LED LG 6030  
FWHM 60.0°  
Efficiency 86 %  
Peak intensity 0.720 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



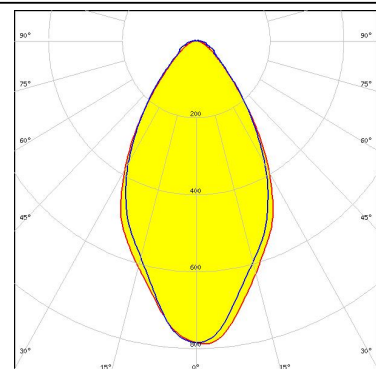
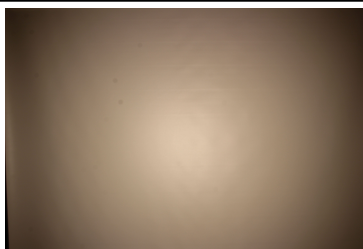
LED NVSxx19B/NVSxx19C  
FWHM 59.0°  
Efficiency 87 %  
Peak intensity 0.750 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



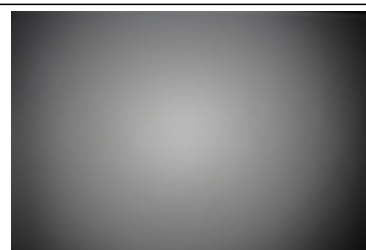
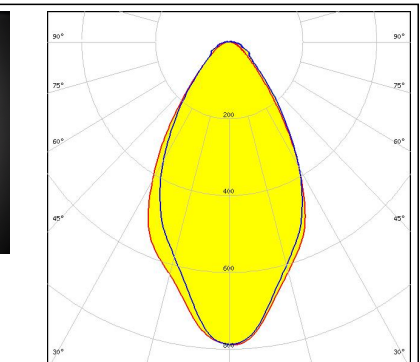
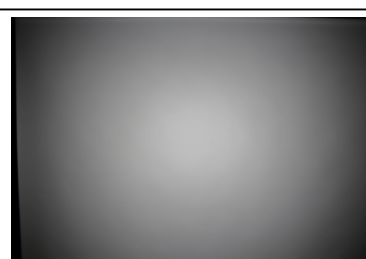
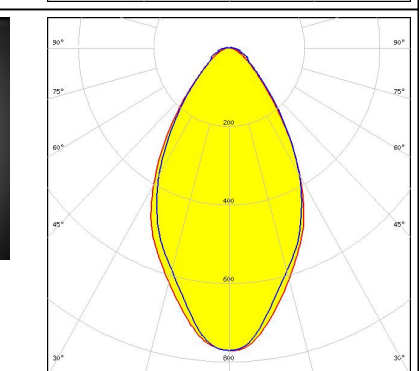
LED Oslon Square Gen3  
FWHM 59.0°  
Efficiency 88 %  
Peak intensity 0.780 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED SEOUL 5630C  
FWHM 59.0°  
Efficiency 87 %  
Peak intensity 0.790 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



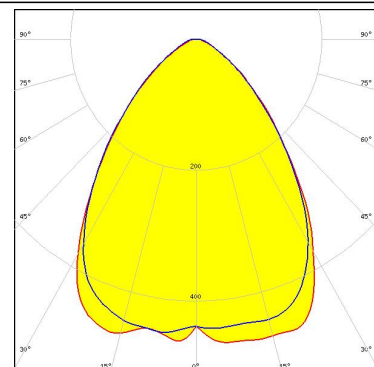
#### PHOTOMETRIC DATA (MEASURED):

<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED SunLike 3030  FWHM 60.0 + 57.0°  Efficiency 88 %  Peak intensity 0.790 cd/lm  LEDs/each optic 1  Light colour White  Required components:</p>		
<p><b>TRIDONIC</b></p> <p>LED LLE G2 55mm 2000lm  FWHM 59.0°  Efficiency 88 %  Peak intensity 0.770 cd/lm  LEDs/each optic 1  Light colour White  Required components:</p>		

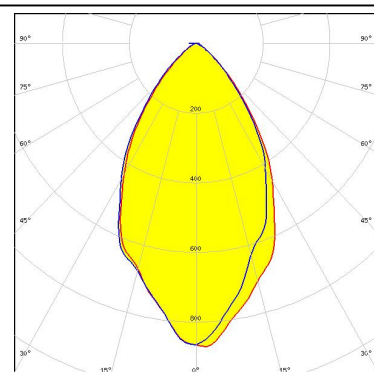
#### PHOTOMETRIC DATA (SIMULATED):



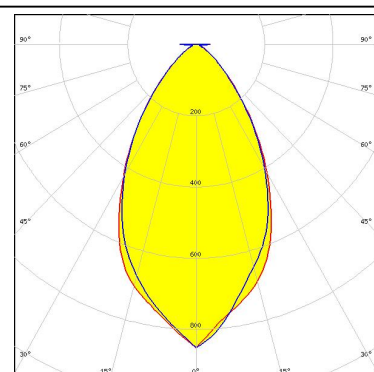
LED Bridgelux SMD 5050  
 FWHM 79.0°  
 Efficiency 83 %  
 Peak intensity 0.470 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



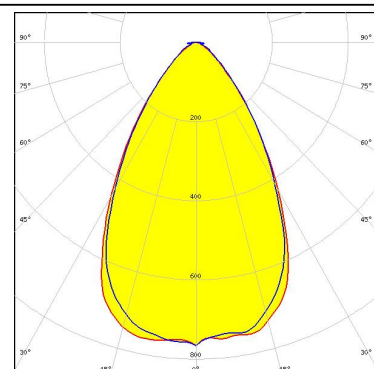
LED XP-G2  
 FWHM 60.0°  
 Efficiency 92 %  
 Peak intensity 0.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G3  
 FWHM 59.0°  
 Efficiency 92 %  
 Peak intensity 0.850 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 5050  
 FWHM 64.0°  
 Efficiency 94 %  
 Peak intensity 0.770 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



# LEDiL<sup>®</sup>

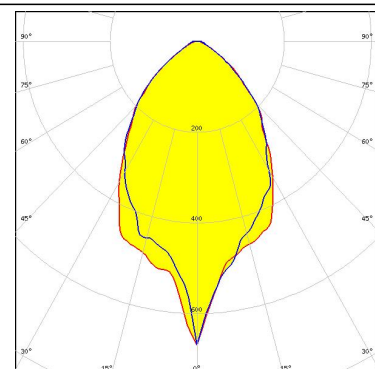
## PRODUCT DATASHEET

FS15786\_FLORENCE-3R-IP-Z60

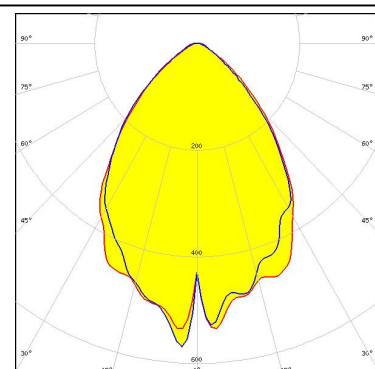
### PHOTOMETRIC DATA (SIMULATED):



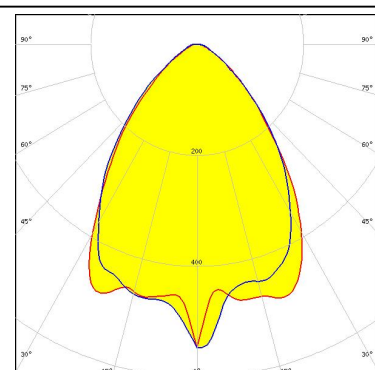
LED LUXEON CZ  
FWHM 61.0°  
Efficiency 83 %  
Peak intensity 0.670 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



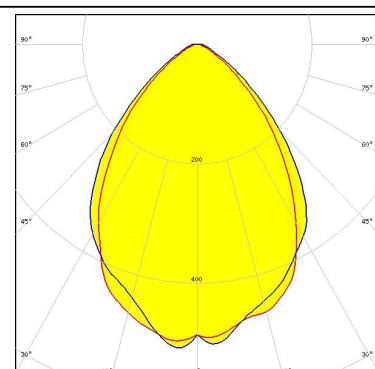
LED Duris E 2835  
FWHM 74.0°  
Efficiency 84 %  
Peak intensity 0.580 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Duris S8  
FWHM 75.0°  
Efficiency 83 %  
Peak intensity 0.550 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSCONIQ P 3737 (2W version)  
FWHM 78.0°  
Efficiency 84 %  
Peak intensity 0.520 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

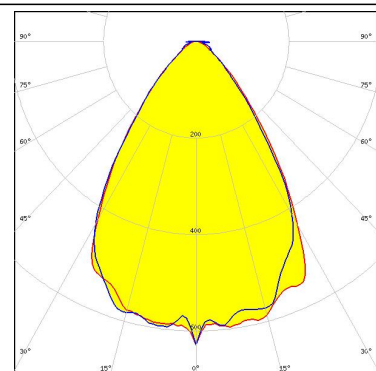




#### PHOTOMETRIC DATA (SIMULATED):

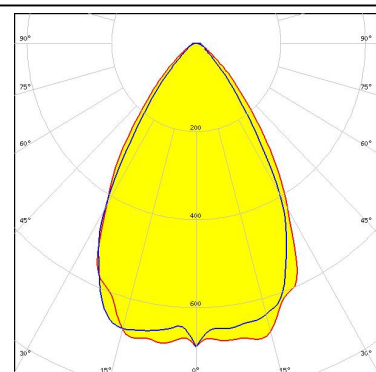
#### SAMSUNG

LED LM302Z  
FWHM 70.0 + 69.0°  
Efficiency 83 %  
Peak intensity 0.640 cd/lm  
LEDs/each optic 4  
Light colour White  
Required components:



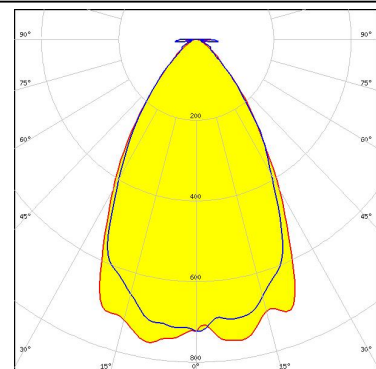
#### SAMSUNG

LED LM302Z  
FWHM 68.0 + 64.0°  
Efficiency 85 %  
Peak intensity 0.690 cd/lm  
LEDs/each optic 2  
Light colour White  
Required components:



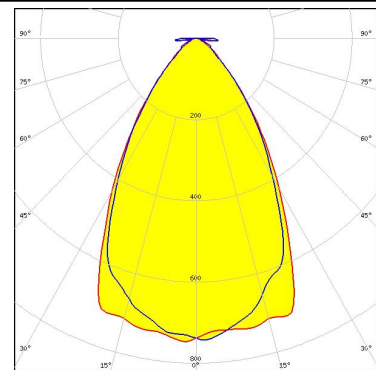
SEOUL SEMICONDUCTOR

LED Z8Y22  
FWHM 62.0°  
Efficiency 93 %  
Peak intensity 0.770 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM 63.0°  
Efficiency 93 %  
Peak intensity 0.750 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)