


## FLORENTINA-1-W

~40° wide beam

### TECHNICAL SPECIFICATIONS:

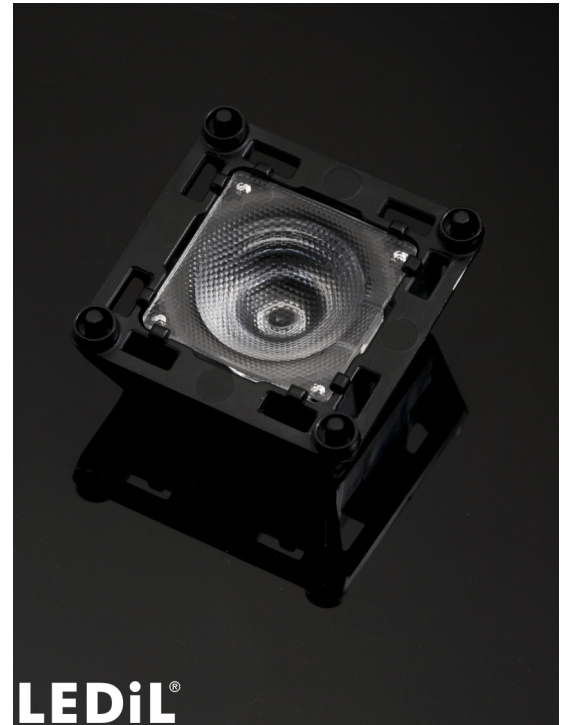
Dimensions	39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes 

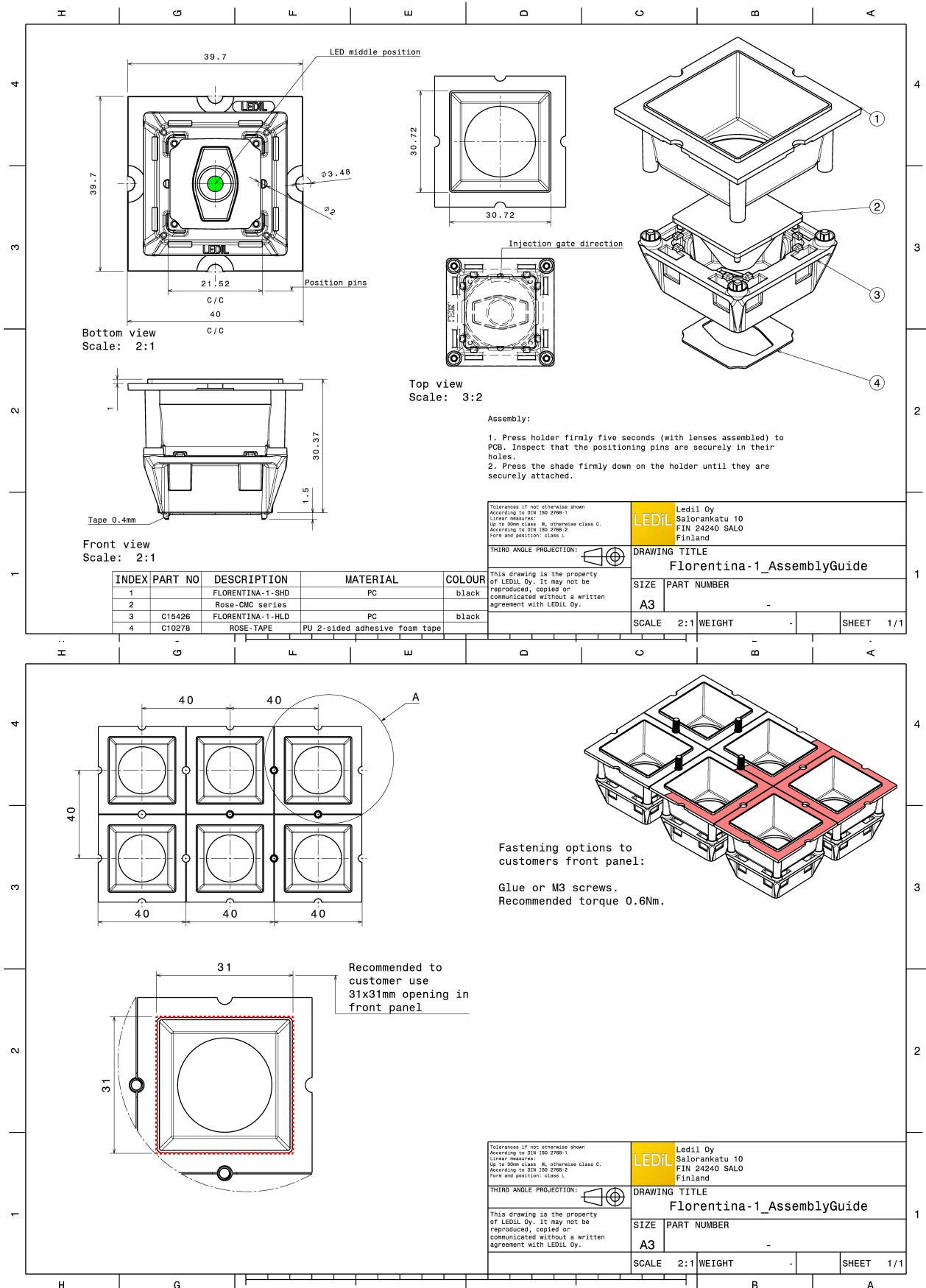
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
ROSE-C-C-W-V4	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15453_FLORENTINA-1-W	Single lens	840		60	7.1
» Box size: 480 x 280 x 300 mm					

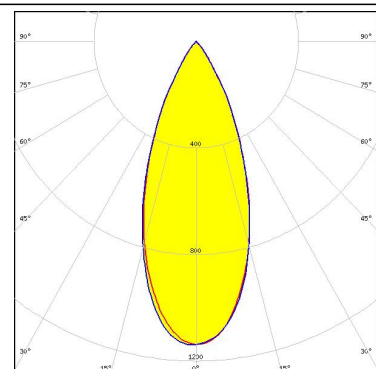
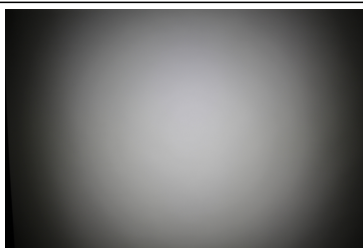




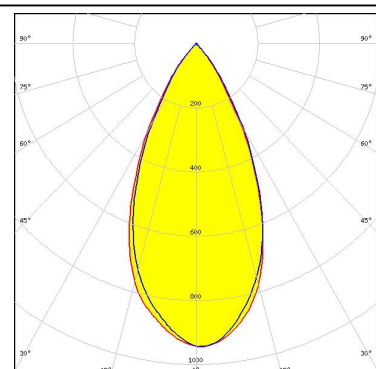
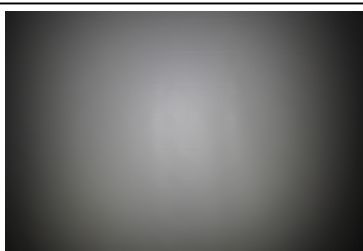
#### PHOTOMETRIC DATA (MEASURED):



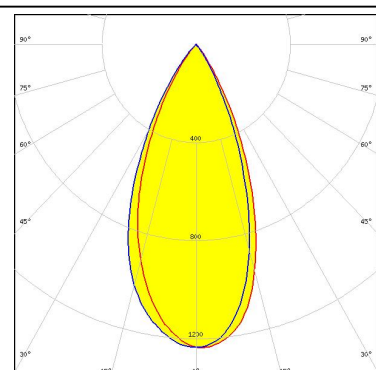
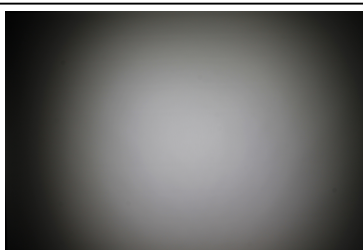
LED Bridgelux SMD 5050  
 FWHM 41.0°  
 Efficiency 61 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



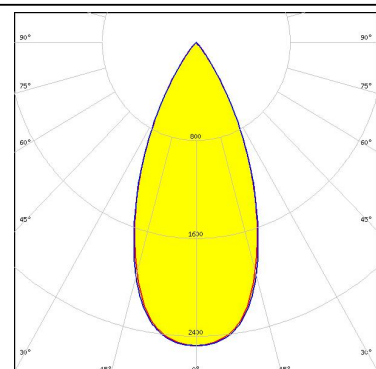
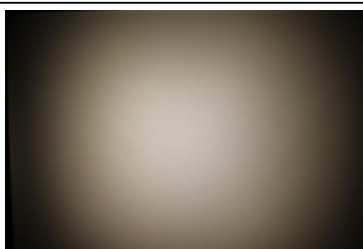
LED XHP35 HD  
 FWHM 50.0°  
 Efficiency 67 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED XHP35 HI  
 FWHM 45.0°  
 Efficiency 72 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



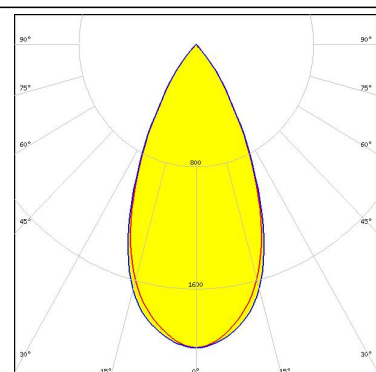
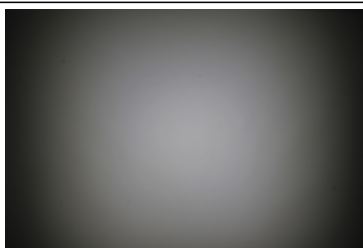
LED XP-G2  
 FWHM 44.0°  
 Efficiency 72 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



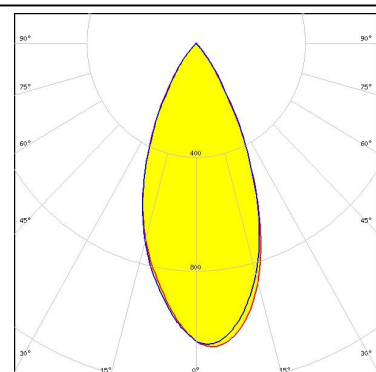
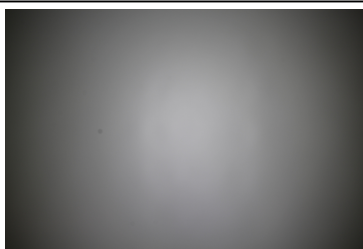
#### PHOTOMETRIC DATA (MEASURED):



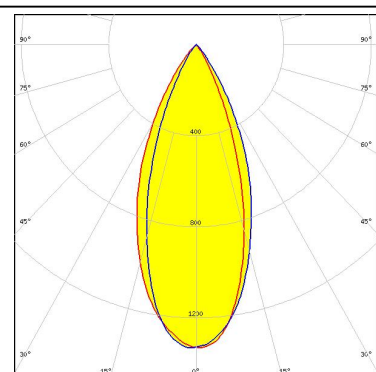
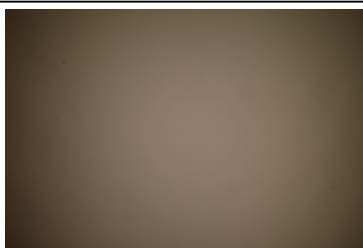
LED XP-L HD  
FWHM 49.0°  
Efficiency 69 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



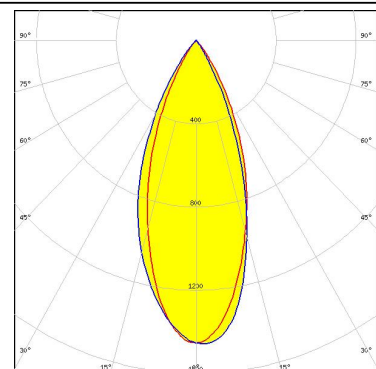
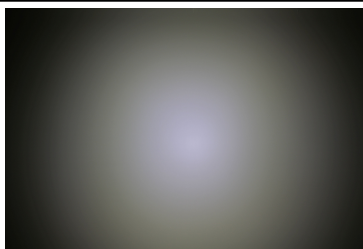
LED XP-L2  
FWHM 45.0°  
Efficiency 65 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



LED XT-E  
FWHM 42.0°  
Efficiency 68 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



LED LG 5630  
FWHM 41.0°  
Efficiency 74 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16701\_FLORENTINA-1-SHD-60-WHT

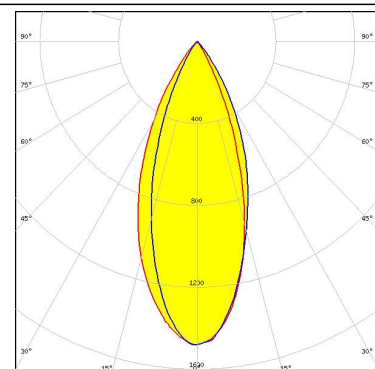
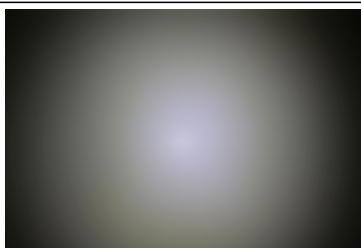




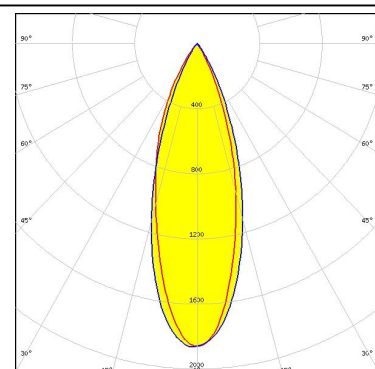
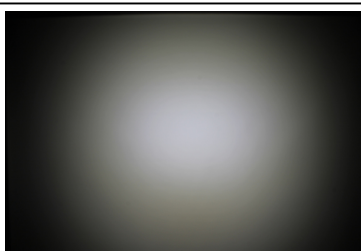
#### PHOTOMETRIC DATA (MEASURED):



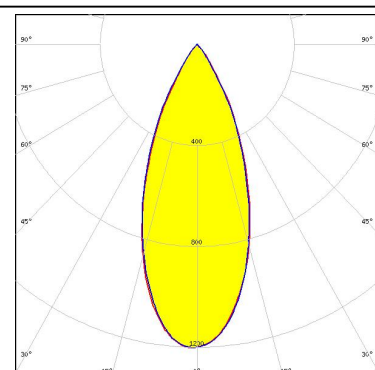
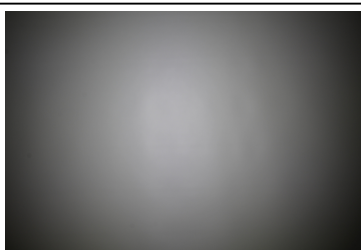
LED LG 5630  
FWHM 40.0°  
Efficiency 73 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



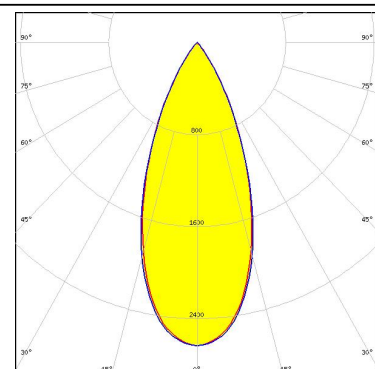
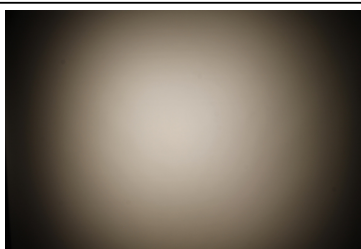
LED LUXEON 3030 2D (Round LES)  
FWHM 34.0°  
Efficiency 72 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON 5050 Round LES  
FWHM 42.0°  
Efficiency 64 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



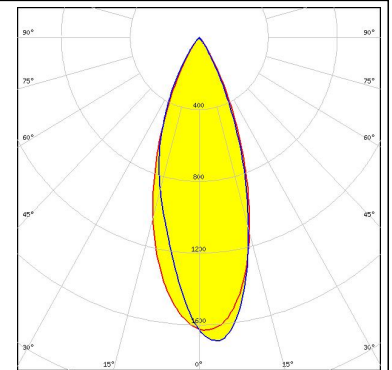
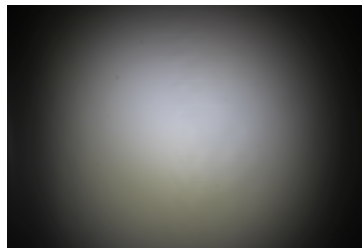
LED LUXEON TX  
FWHM 42.0°  
Efficiency 71 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



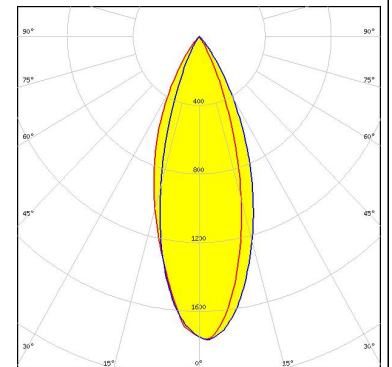
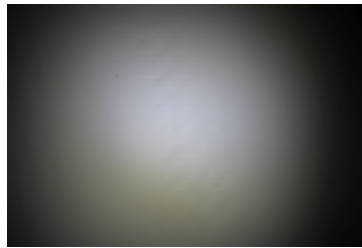
#### PHOTOMETRIC DATA (MEASURED):



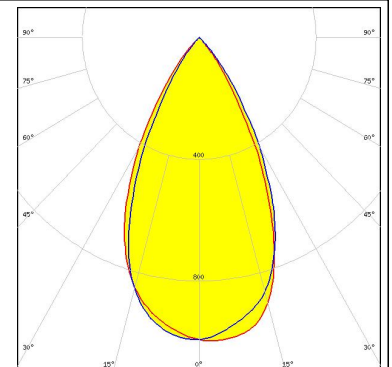
LED NF2x757G  
FWHM 36.0°  
Efficiency 72 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C16701\_FLORENTINA-1-SHD-60-WHT



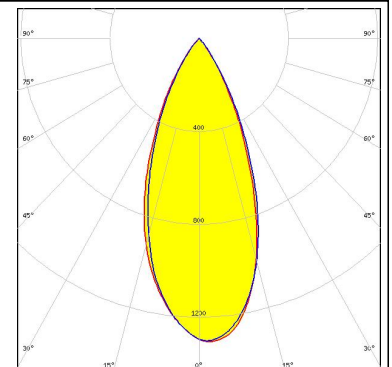
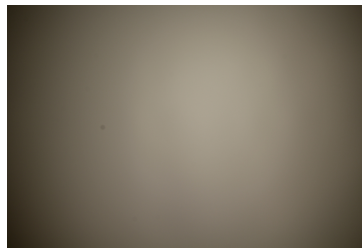
LED NF2x757G  
FWHM 31.0°  
Efficiency 81 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



LED NVSW319B  
FWHM 53.0°  
Efficiency 74 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



LED NVSxx19B/NVSxx19C  
FWHM 43.0°  
Efficiency 71 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60

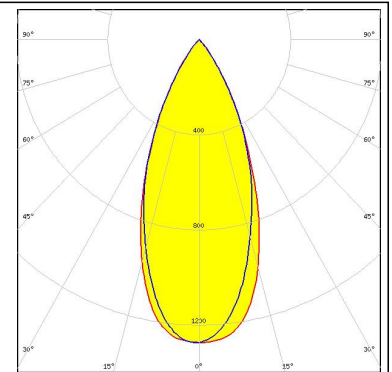
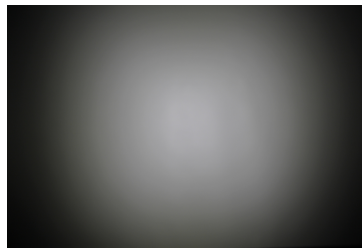


#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

Opto Semiconductors

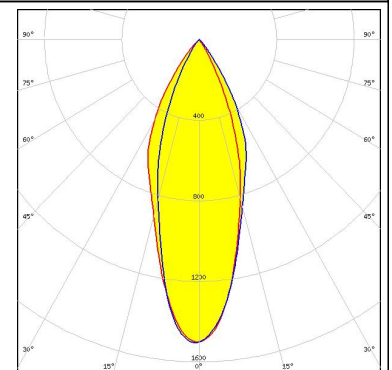
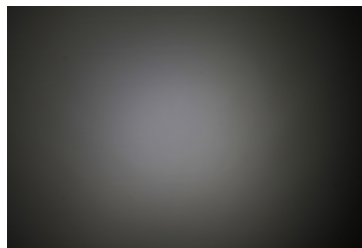
LED OSLON Square CSSRM2/CSSRM3  
FWHM 44.0°  
Efficiency 73 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



##### OSRAM

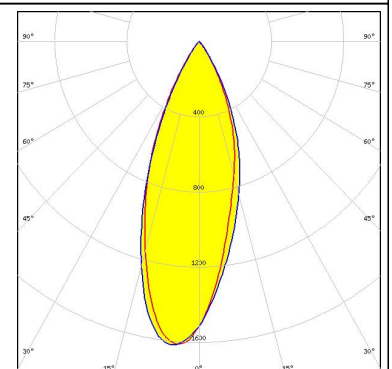
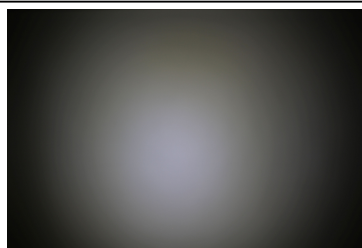
Opto Semiconductors

LED OSLON SSL 150  
FWHM 36.0°  
Efficiency 69 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



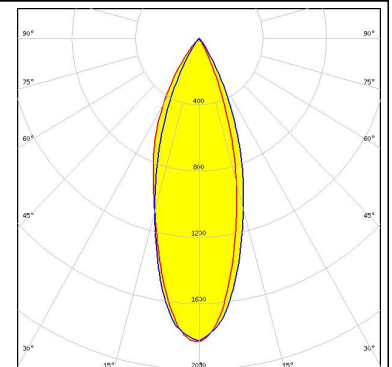
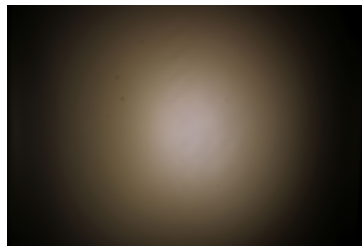
##### SAMSUNG

LED LM561B  
FWHM 35.0°  
Efficiency 72 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60




SEOUL SEMICONDUCTOR

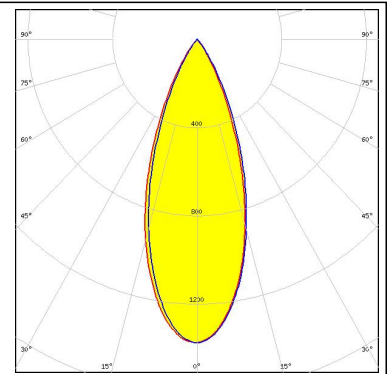
LED SEOUL 5630  
FWHM 34.0°  
Efficiency 74 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



### PHOTOMETRIC DATA (MEASURED):

  
SEOUL SEMICONDUCTOR

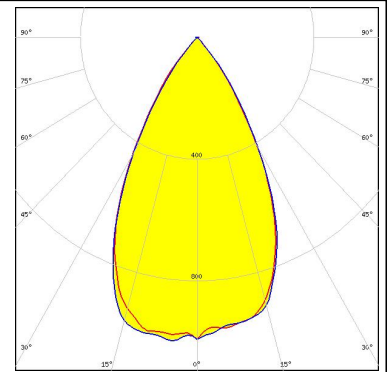
LED	Z8Y22P
FWHM	38.0°
Efficiency	63 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C15427_FLORENTINA-1-SHD-60



#### PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE  
FWHM 57.0°  
Efficiency 83 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60





#### 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.

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#### LEDiL Oy

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#### Local sales and technical support

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

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
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