


## FLORENTINA-HLD-WW

~45° wide beam

### TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	9.5 mm
Fastening	screw
ROHS compliant	yes 

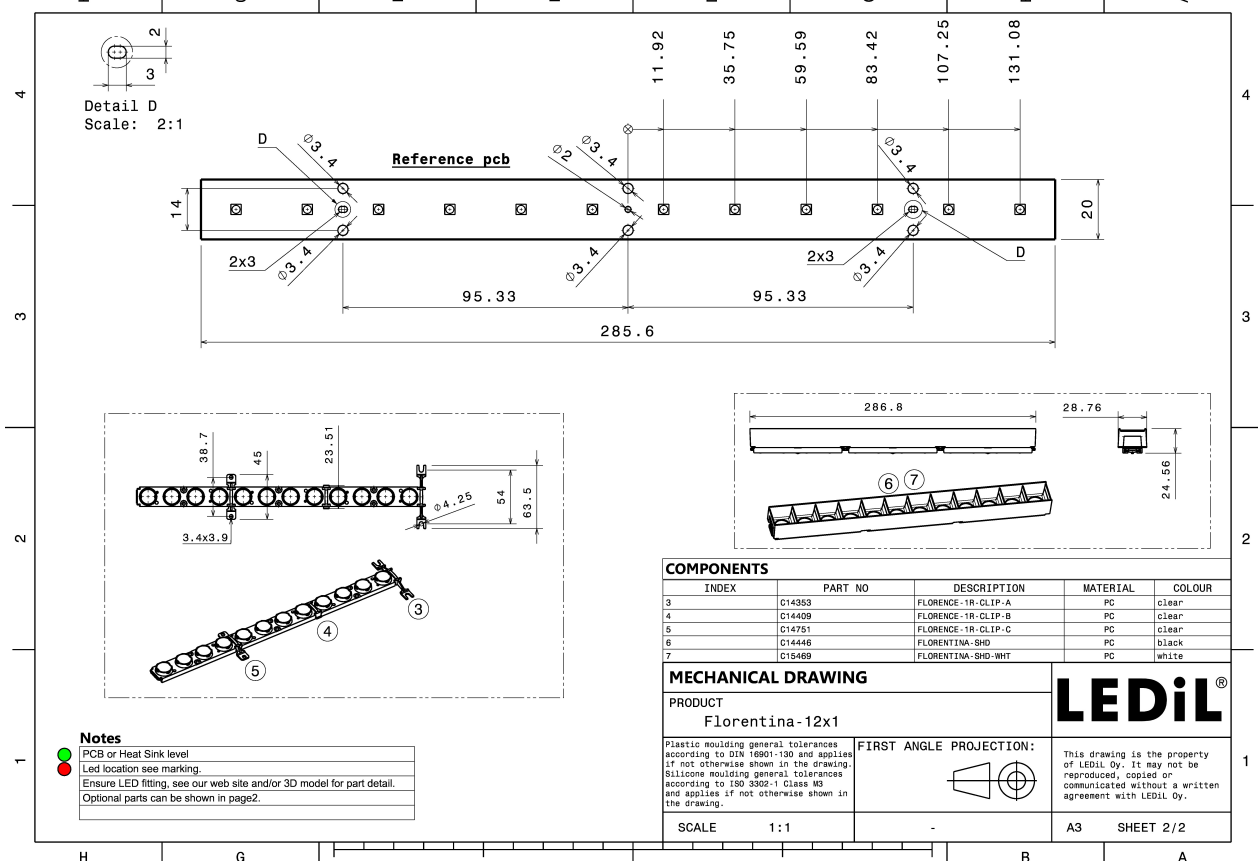
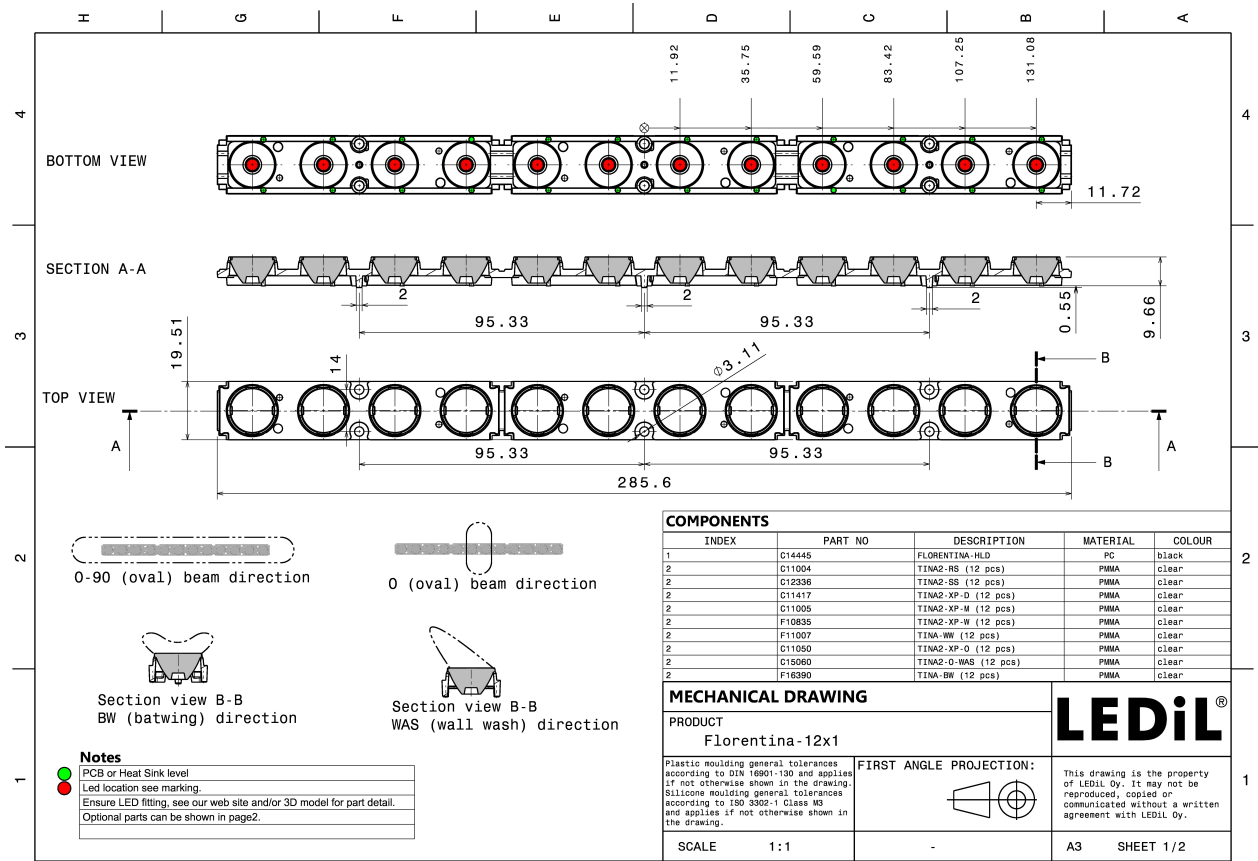
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-WW-XP	Single lens	PMMA	clear	
FLORENTINA-HLD	Holder	PC	black	



### ORDERING INFORMATION:

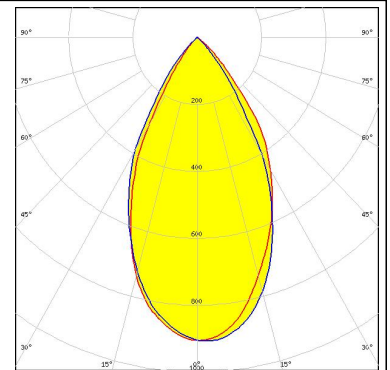
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP14998_FLORENTINA-HLD-WW	Single lens	160	32	16	5.2
» Box size: 398 x 298 x 140 mm					



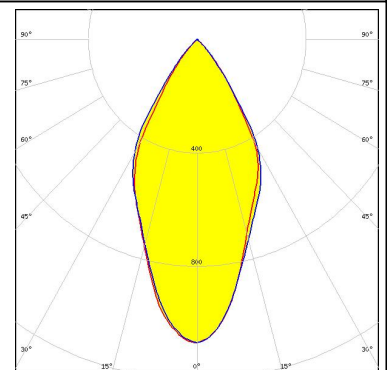
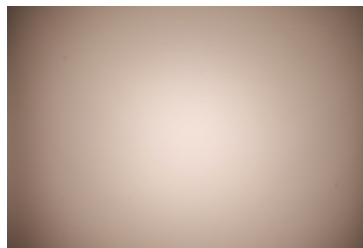
#### PHOTOMETRIC DATA (MEASURED):



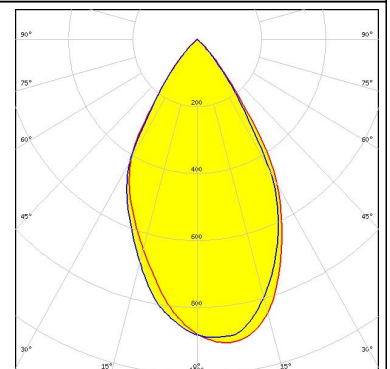
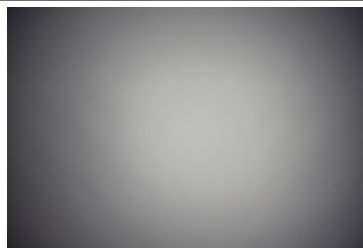
LED QUICK FLUX LED FL-XG 1x12 xxx  
 FWHM 56.0°  
 Efficiency 75 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



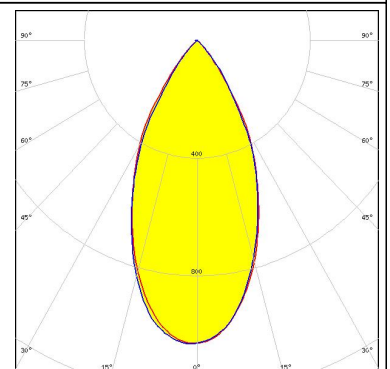
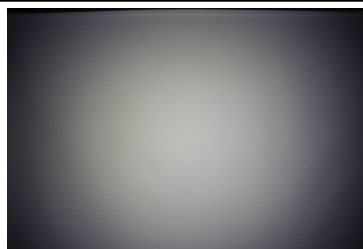
LED XP-E2  
 FWHM 52.0°  
 Efficiency 77 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED XP-G2  
 FWHM 59.0°  
 Efficiency 78 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



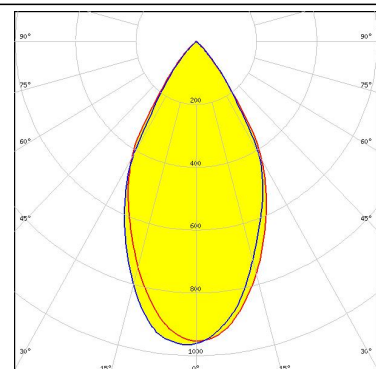
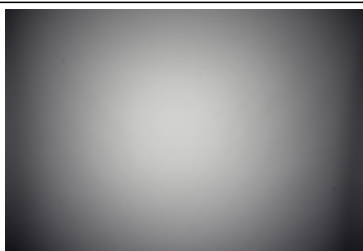
LED XP-G3  
 FWHM 50.0°  
 Efficiency 76 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



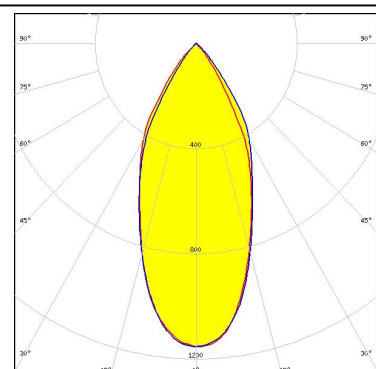
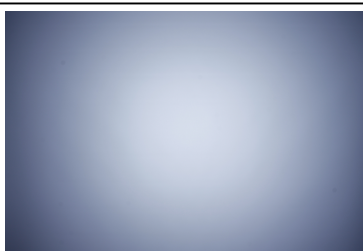
#### PHOTOMETRIC DATA (MEASURED):



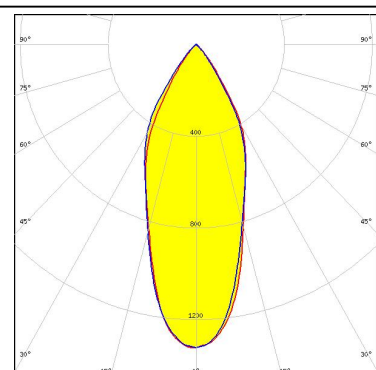
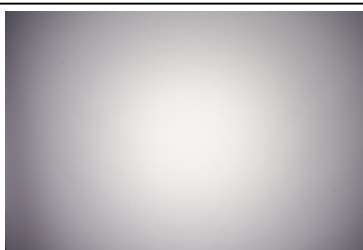
LED H35C1 (LEMWA33)  
 FWHM 56.0°  
 Efficiency 77 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



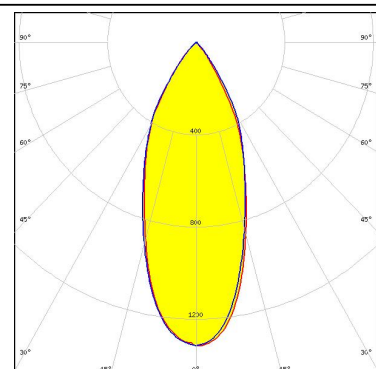
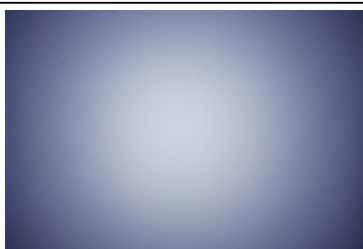
LED LUXEON Rebel ES  
 FWHM 46.0°  
 Efficiency 77 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED LUXEON Rebel Plus  
 FWHM 40.0°  
 Efficiency 79 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED LUXEON TX  
 FWHM 41.0°  
 Efficiency 78 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD

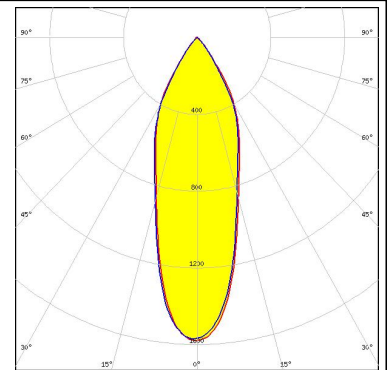
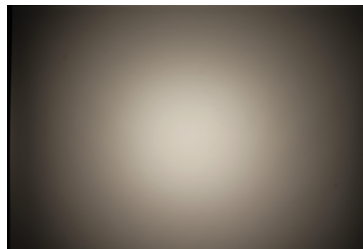




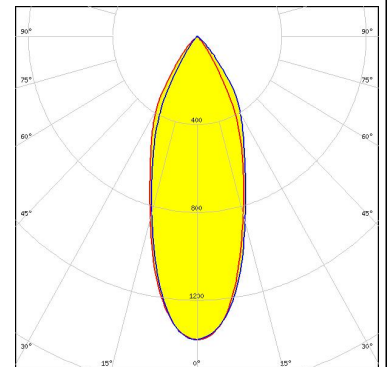
#### PHOTOMETRIC DATA (MEASURED):



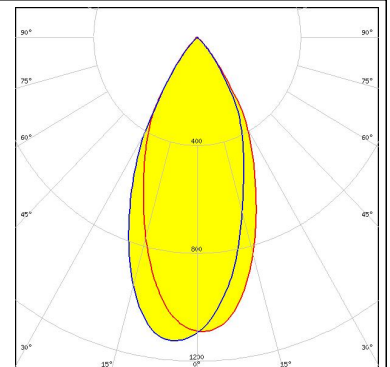
LED LUXEON Z ES  
FWHM 33.0°  
Efficiency 80 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



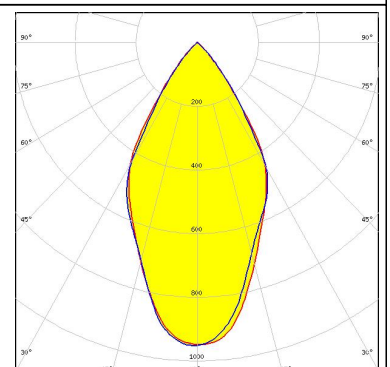
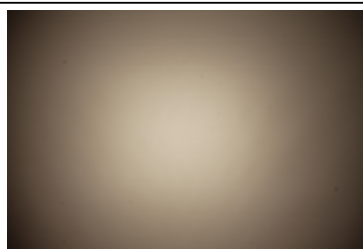
LED NCSxx19B  
FWHM 38.0°  
Efficiency 76 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



LED NVSxx19B/NVSxx19C  
FWHM 46.0°  
Efficiency 74 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



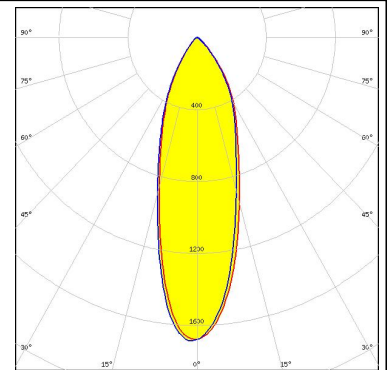
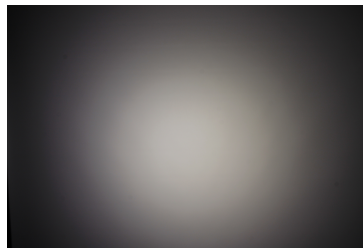
LED OSLOM Square EC  
FWHM 57.0°  
Efficiency 76 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

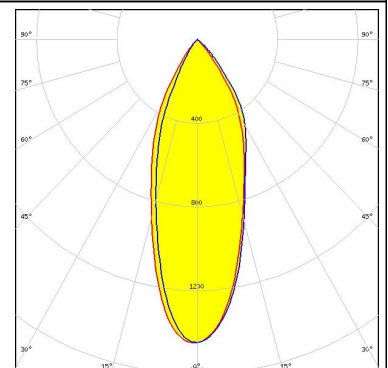
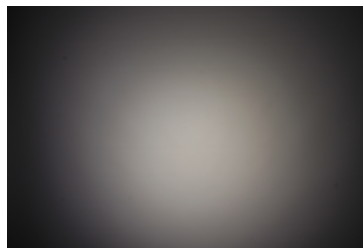
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM 32.0°  
Efficiency 85 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



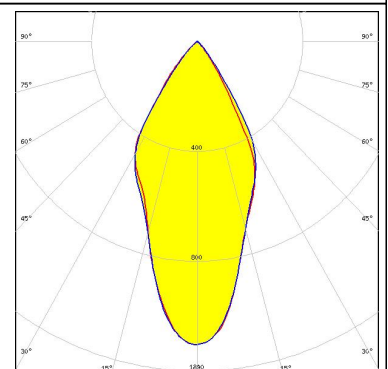
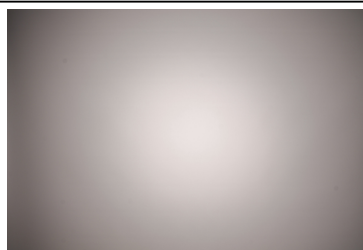
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM 37.0°  
Efficiency 79 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



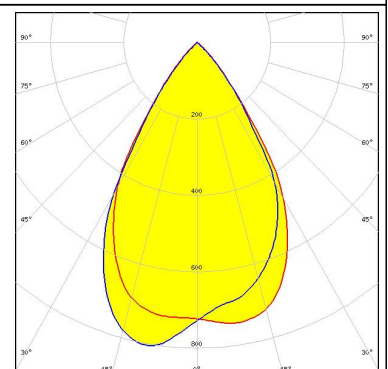
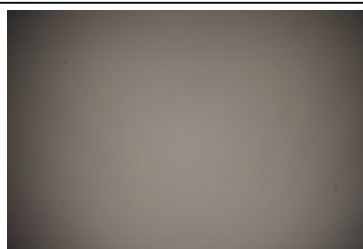
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM 47.0°  
Efficiency 75 %  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



**SAMSUNG**

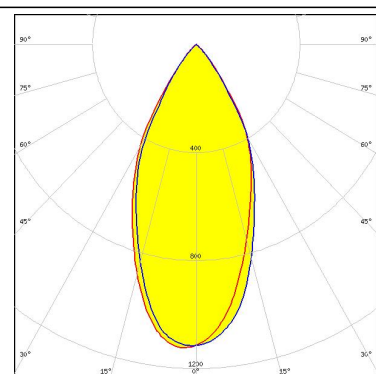
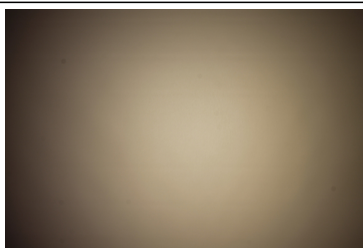
LED LH351B  
FWHM 64.0°  
Efficiency 77 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

**TOSHIBA**  
Leading Innovation >>>

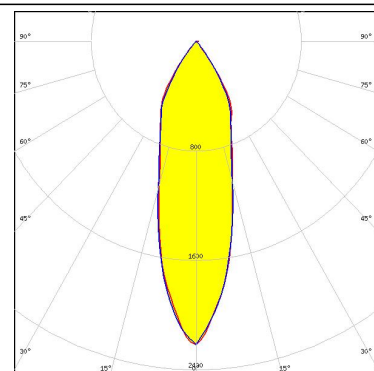
LED TL1L4  
FWHM 48.0°  
Efficiency 78 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



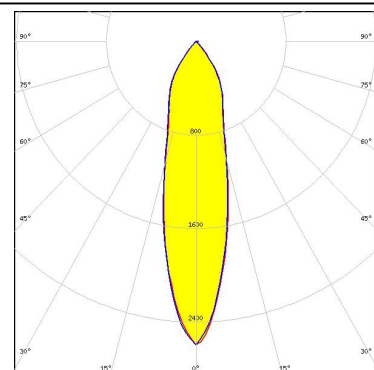
#### PHOTOMETRIC DATA (SIMULATED):



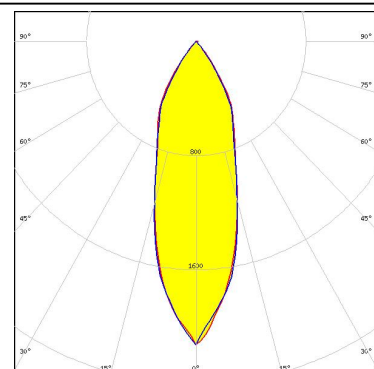
LED NCSxE17A  
FWHM 29.0°  
Efficiency 94 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



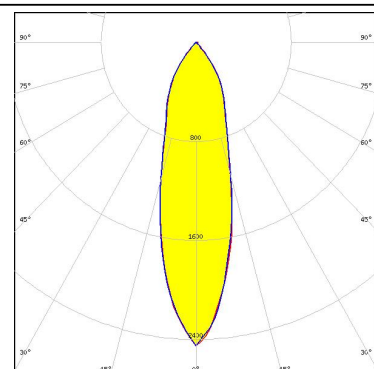
LED NCSxE17A  
FWHM 25.0°  
Efficiency 94 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxE21A  
FWHM 33.0°  
Efficiency 94 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



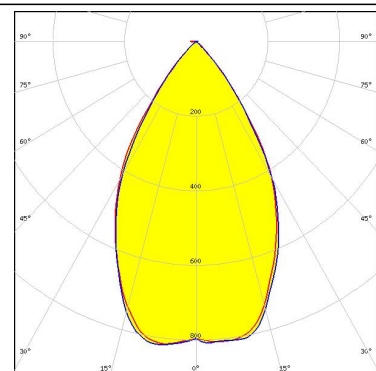
LED NVSxE21A  
FWHM 28.0°  
Efficiency 94 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (SIMULATED):



LED	NWSx229A
FWHM	60.0°
Efficiency	77 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C14446_FLORENTINA-SHD





#### 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

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#### Distribution Partners

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