

## FLORENTINA-HLD-WW

~45° wide beam



### TECHNICAL SPECIFICATIONS:

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

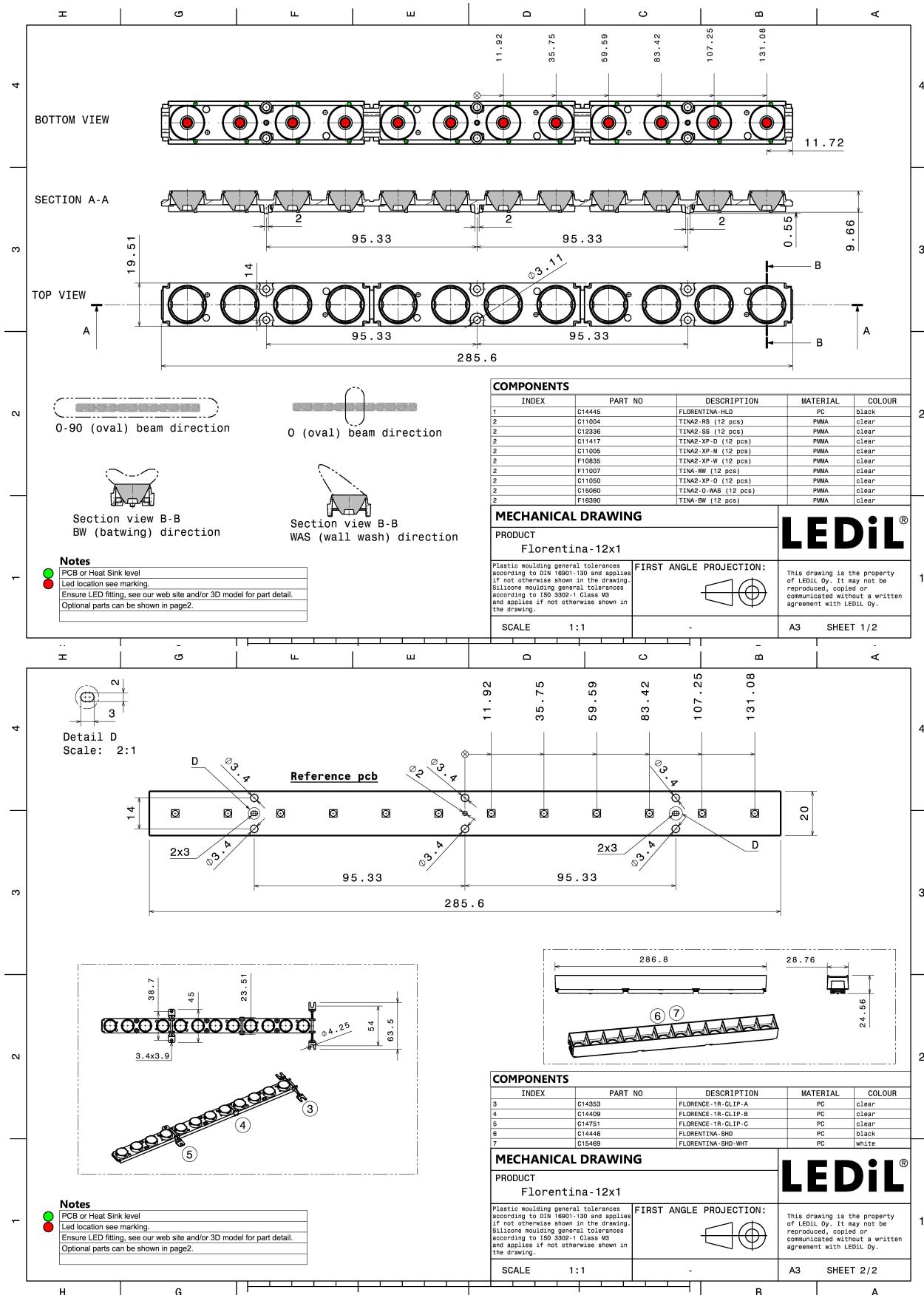
### MATERIAL SPECIFICATIONS:

LEDiL®

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 » Box size: 398 x 298 x 140 mm	160	32	16	5.2

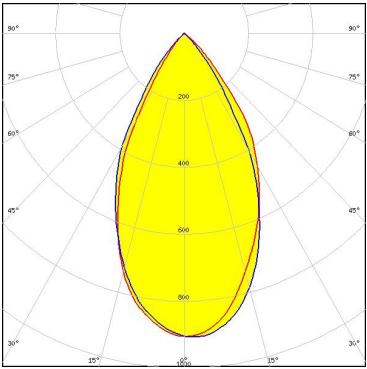
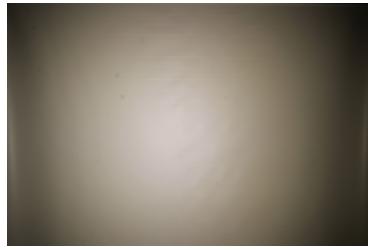


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

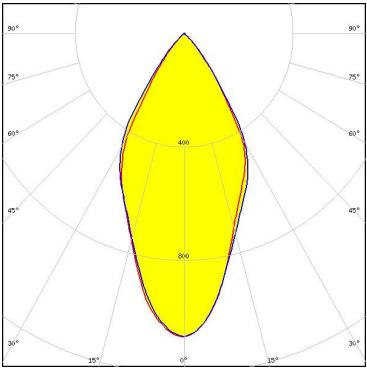
### PHOTOMETRIC DATA (MEASURED):



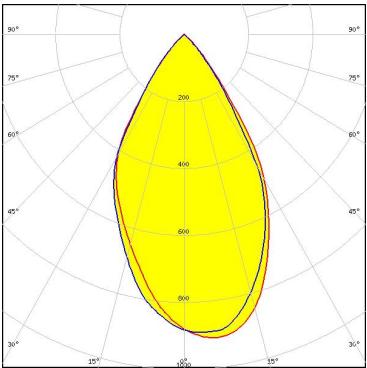
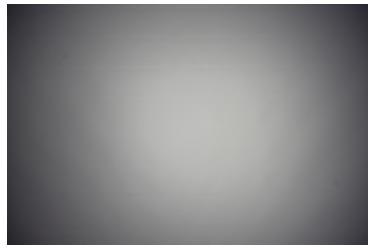
LED	QUICK FLUX LED FL-XG 1x12 xxx
FWHM / FWTM	56.0° / 84.0°
Efficiency	75 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C14446_FLORENTINA-SHD



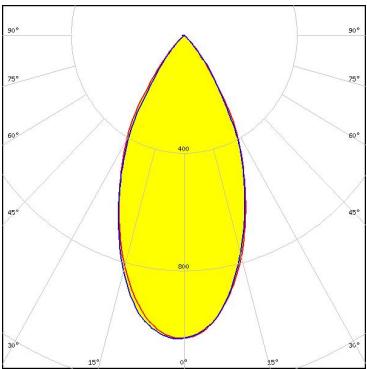
LED	XP-E2
FWHM / FWTM	52.0° / 82.0°
Efficiency	77 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C14446_FLORENTINA-SHD



LED	XP-G2
FWHM / FWTM	59.0° / 86.0°
Efficiency	78 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C14446_FLORENTINA-SHD



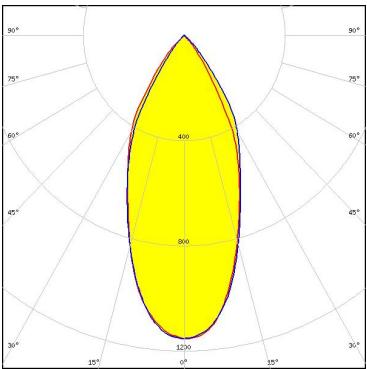
LED	XP-G3
FWHM / FWTM	50.0° / 81.0°
Efficiency	76 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C14446_FLORENTINA-SHD



## PHOTOMETRIC DATA (MEASURED):

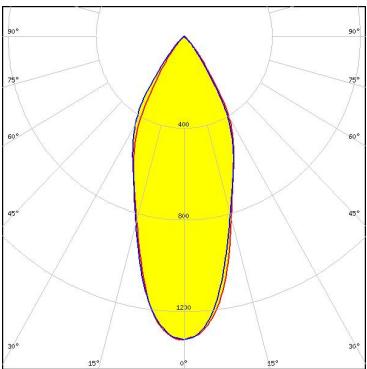
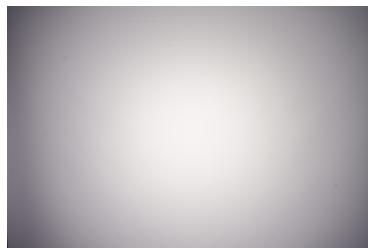
### LUMILEDS

LED LUXEON Rebel ES  
FWHM / FWTM 46.0° / 80.0°  
Efficiency 77 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



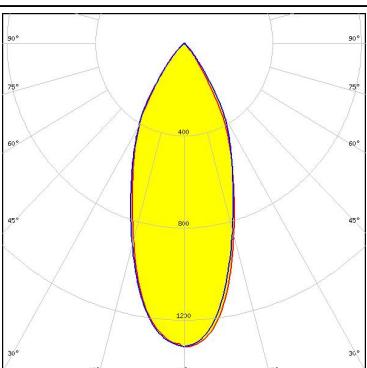
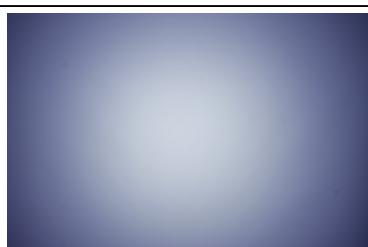
### LUMILEDS

LED LUXEON Rebel Plus  
FWHM / FWTM 40.0° / 78.0°  
Efficiency 79 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



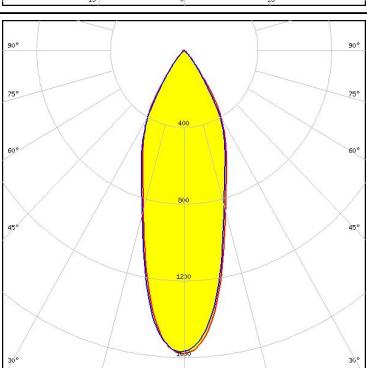
### LUMILEDS

LED LUXEON TX  
FWHM / FWTM 41.0° / 77.0°  
Efficiency 78 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



### LUMILEDS

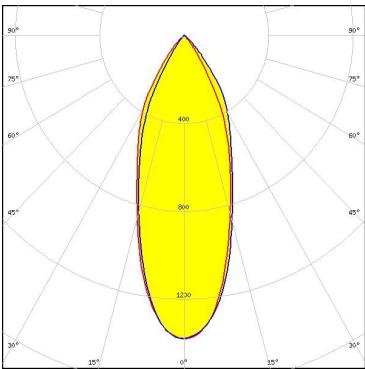
LED LUXEON Z ES  
FWHM / FWTM 33.0° / 75.0°  
Efficiency 80 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



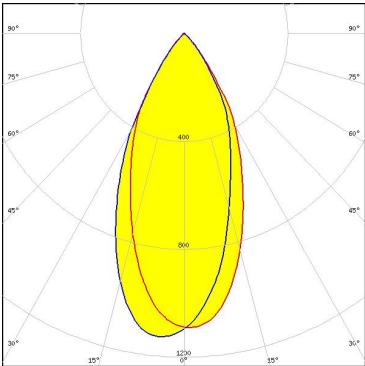
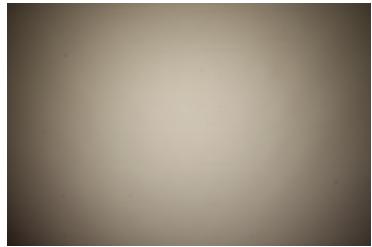
### PHOTOMETRIC DATA (MEASURED):



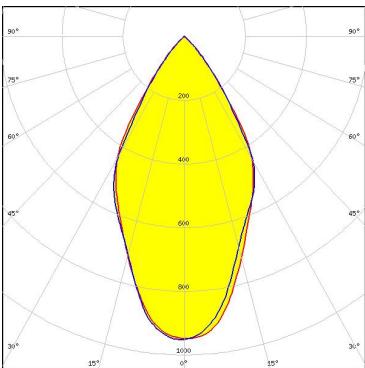
LED NCSxx19B  
 FWHM / FWTM 38.0° / 76.0°  
 Efficiency 76 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



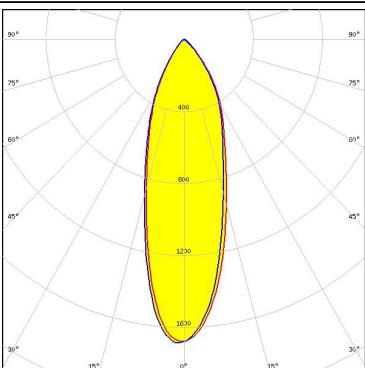
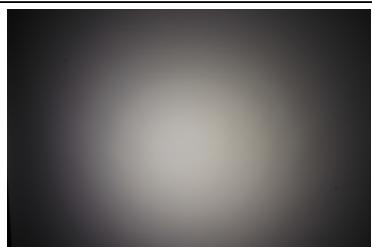
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 46.0° / 80.0°  
 Efficiency 74 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



Opto Semiconductors  
 LED OSLON Square EC  
 FWHM / FWTM 57.0° / 84.0°  
 Efficiency 76 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



Opto Semiconductors  
 LED OSLON SSL 150  
 FWHM / FWTM 32.0° / 76.0°  
 Efficiency 85 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

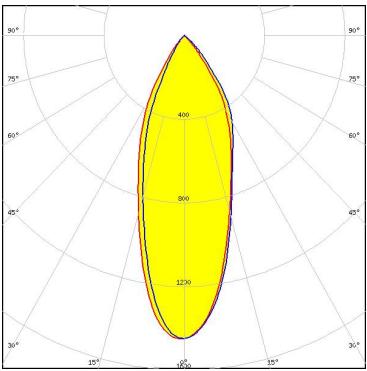
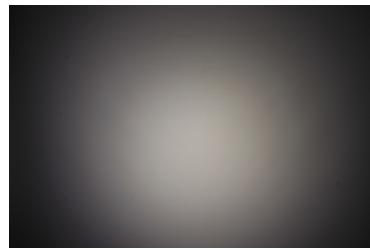


### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

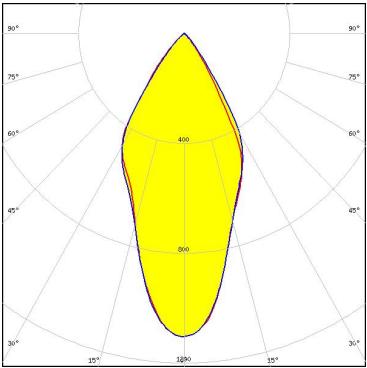
LED OSLON SSL 150  
FWHM / FWTM 37.0° / 75.0°  
Efficiency 79 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



#### OSRAM

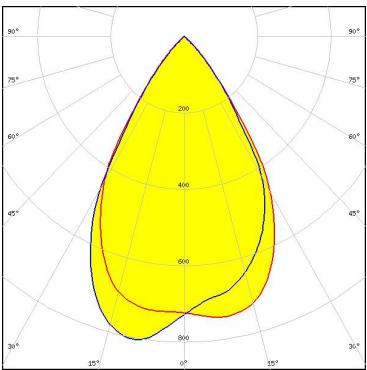
Opto Semiconductors

LED OSLON SSL 80  
FWHM / FWTM 47.0° / 80.0°  
Efficiency 75 %  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



#### SAMSUNG

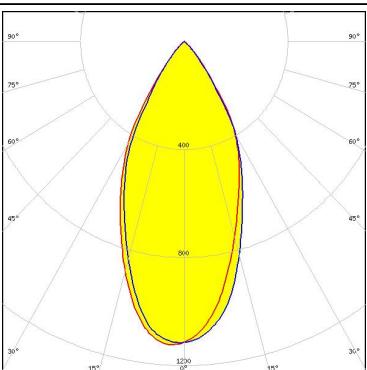
LED LH351B  
FWHM / FWTM 64.0° / 87.0°  
Efficiency 77 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



#### TOSHIBA

Leading Innovation >>

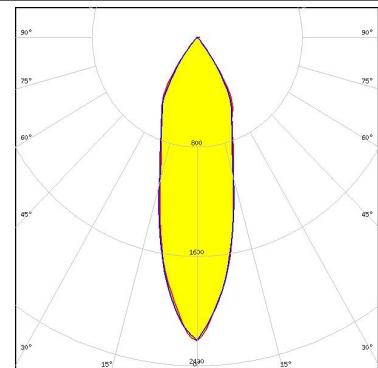
LED TL1L4  
FWHM / FWTM 48.0° / 80.0°  
Efficiency 78 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



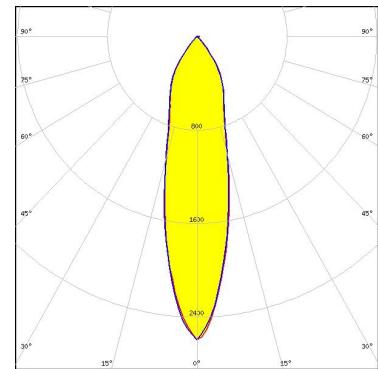
### PHOTOMETRIC DATA (SIMULATED):



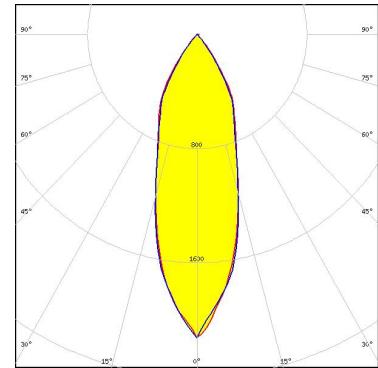
LED	NCSxE17A
FWHM / FWTM	29.0° / 73.0°
Efficiency	94 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C14446_FLORENTINA-SHD



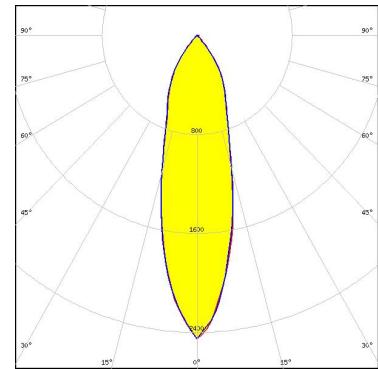
LED	NCSxE17A
FWHM / FWTM	25.0° / 73.0°
Efficiency	94 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LED	NVSxE21A
FWHM / FWTM	33.0° / 73.0°
Efficiency	94 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C14446_FLORENTINA-SHD



LED	NVSxE21A
FWHM / FWTM	28.0° / 74.0°
Efficiency	94 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

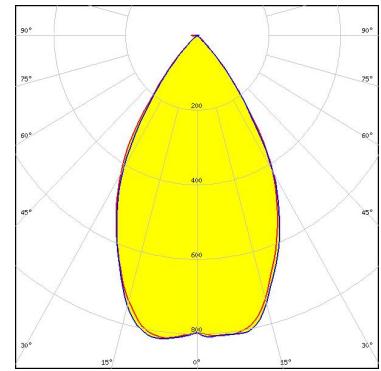


## PHOTOMETRIC DATA (SIMULATED):



LED	NWSx229A
FWHM / FWTM	60.0° / 85.0°
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.

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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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