

## FLORENTINA-HLD-D

~18° diffused spot beam

## SPECIFICATION:

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

## MATERIALS:

Component	Type	Material	Colour	Finish
TINA2-XP-D	Single lens	PMMA	clear	
FLORENTINA-HLD	Holder	PC	black	



## ORDERING INFORMATION:

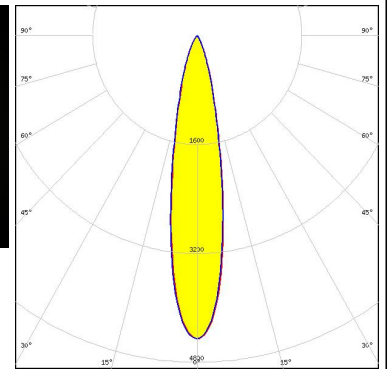
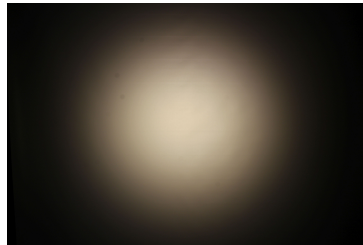
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP14996_FLORENTINA-HLD-D	Single lens	160	32	16	5.2
» Box size: 398 x 298 x 140 mm					



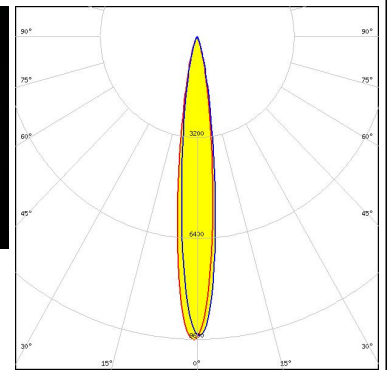
#### OPTICAL RESULTS (MEASURED):



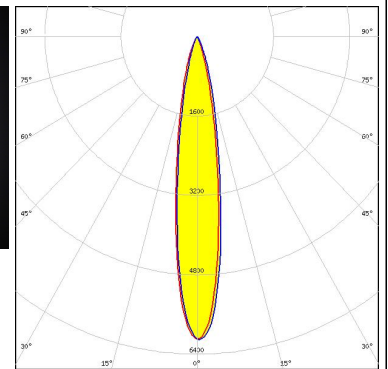
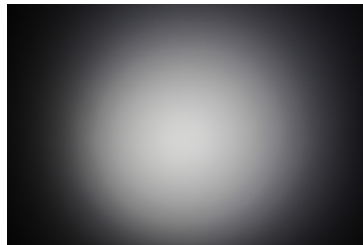
LED QUICK FLUX LED FL-XG 1x12 xxx  
 FWHM / FWTM 20.0° / 43.0°  
 Efficiency 81 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



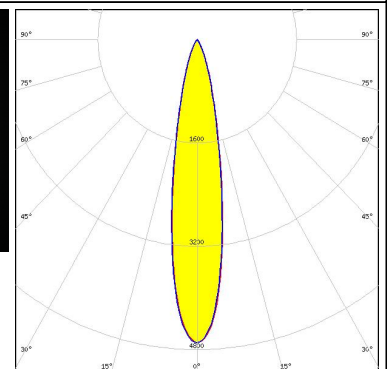
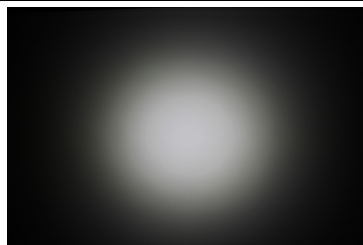
LED XP-E2  
 FWHM / FWTM 13.0° / 30.0°  
 Efficiency 84 %  
 Peak intensity 9.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED XP-G2  
 FWHM / FWTM 17.0° / 37.0°  
 Efficiency 82 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



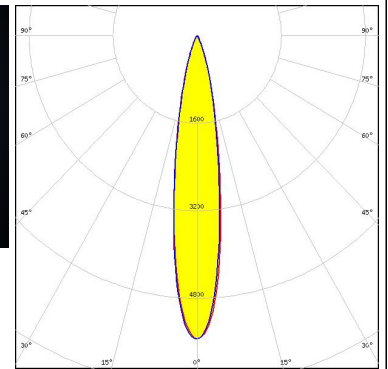
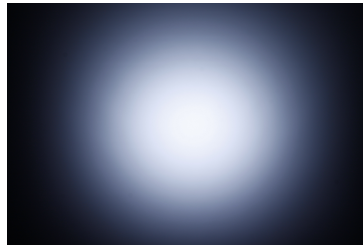
LED XP-G3  
 FWHM / FWTM 19.0° / 42.0°  
 Efficiency 81 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### OPTICAL RESULTS (MEASURED):

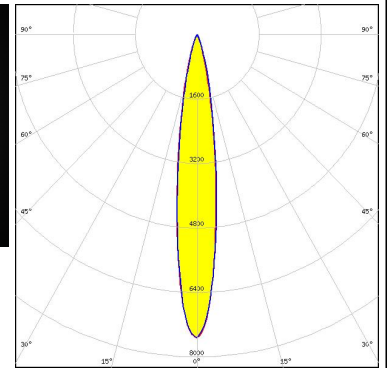
##### LUMILEDS

LED LUXEON Rebel ES  
 FWHM / FWTM 18.0° / 39.0°  
 Efficiency 81 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



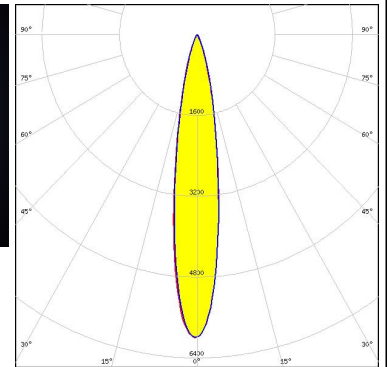
##### LUMILEDS

LED LUXEON Rebel Plus  
 FWHM / FWTM 15.0° / 33.0°  
 Efficiency 82 %  
 Peak intensity 7.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



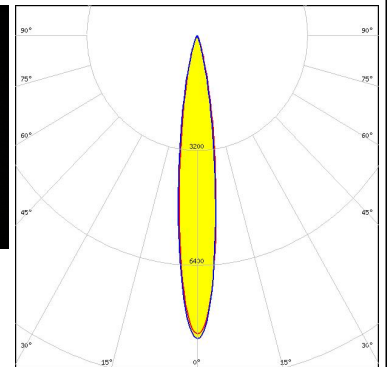
##### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 17.0° / 37.0°  
 Efficiency 82 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



##### LUMILEDS

LED LUXEON Z ES  
 FWHM / FWTM 15.0° / 31.0°  
 Efficiency 82 %  
 Peak intensity 8.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD

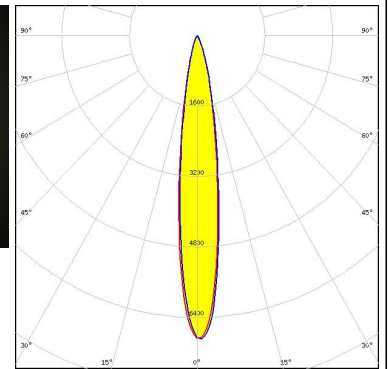
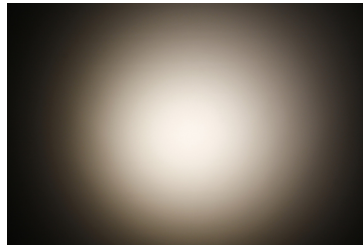




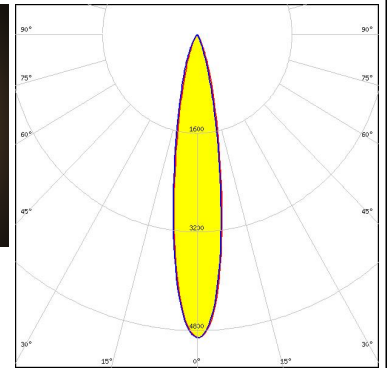
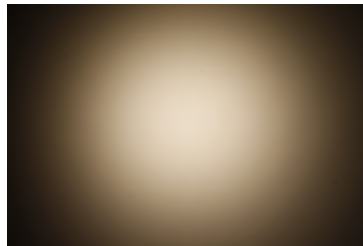
#### OPTICAL RESULTS (MEASURED):



LED NCSxx19B  
FWHM / FWTM 15.0° / 34.0°  
Efficiency 79 %  
Peak intensity 6.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD

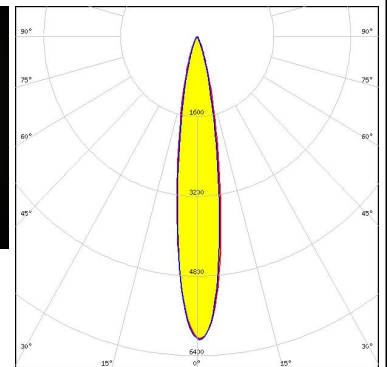
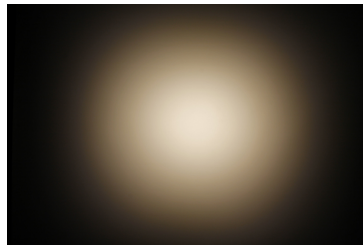


LED NVSxx19B/NVSxx19C  
FWHM / FWTM 19.0° / 40.0°  
Efficiency 78 %  
Peak intensity 4.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



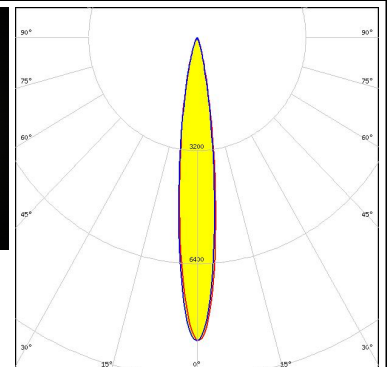
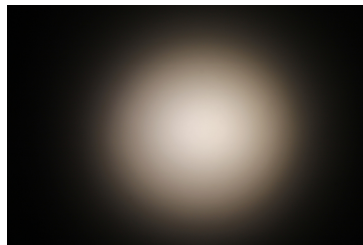
Opto Semiconductors

LED OSLON Square EC  
FWHM / FWTM 17.0° / 37.0°  
Efficiency 80 %  
Peak intensity 6.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



Opto Semiconductors

LED OSLON SSL 150  
FWHM / FWTM 14.0° / 30.0°  
Efficiency 80 %  
Peak intensity 8.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD

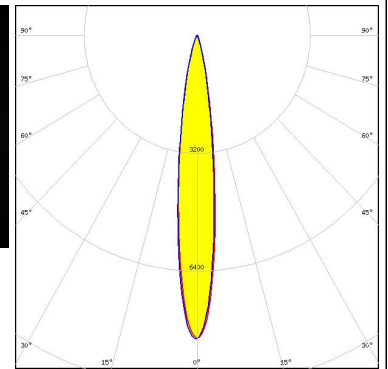


#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

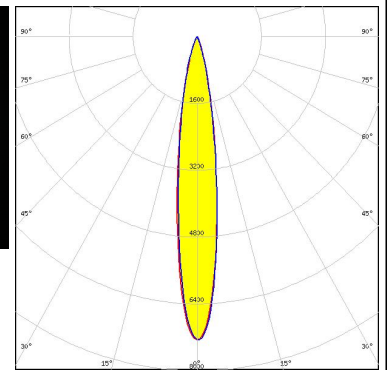
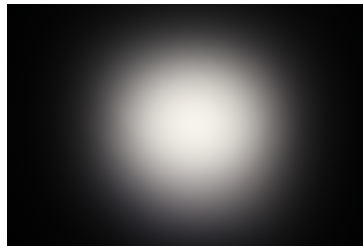
LED OSLON SSL 150  
FWHM / FWTM 14.0° / 31.0°  
Efficiency 84 %  
Peak intensity 8.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

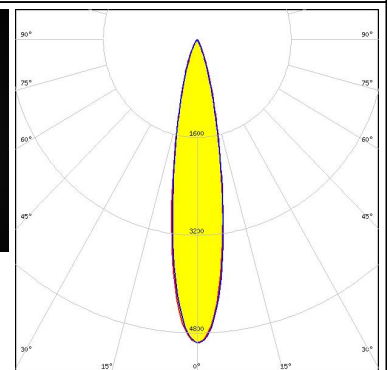
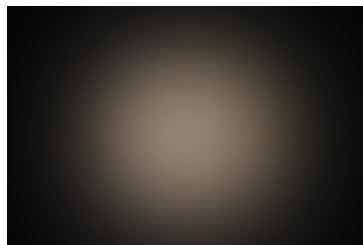
Opto Semiconductors

LED OSLON SSL 80  
FWHM / FWTM 15.0° / 34.0°  
Efficiency 82 %  
Peak intensity 7.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



##### SAMSUNG

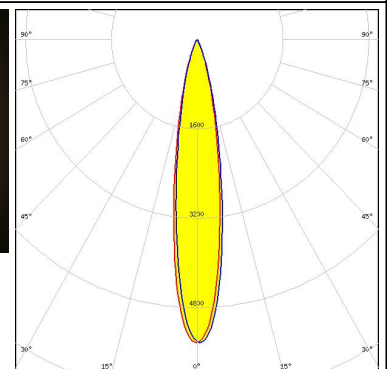
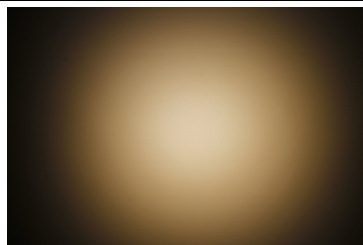
LED LH351B  
FWHM / FWTM 20.0° / 41.0°  
Efficiency 82 %  
Peak intensity 5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



##### TOSHIBA

Leading Innovation >>>

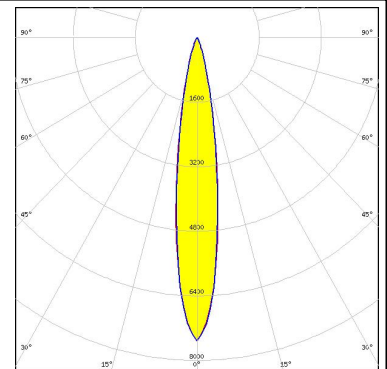
LED TL1L4  
FWHM / FWTM 18.0° / 39.0°  
Efficiency 80 %  
Peak intensity 5.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



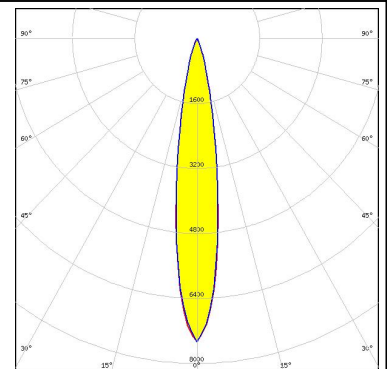
#### OPTICAL RESULTS (SIMULATED):



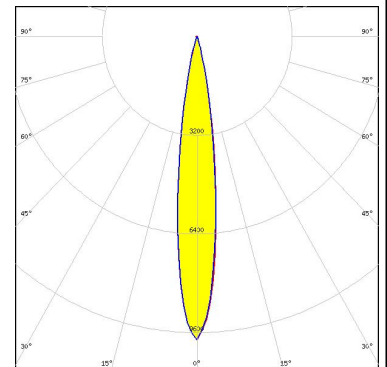
LED J Series 3030  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 91 %  
 Peak intensity 7.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



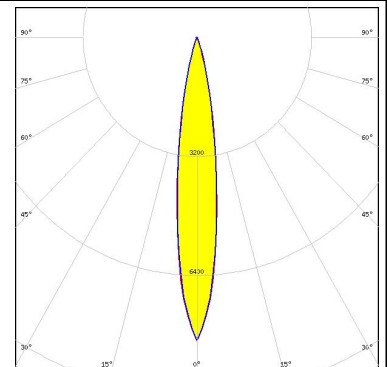
LED J Series 3030  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 88 %  
 Peak intensity 7.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED NCSxE17A  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 82 %  
 Peak intensity 12 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



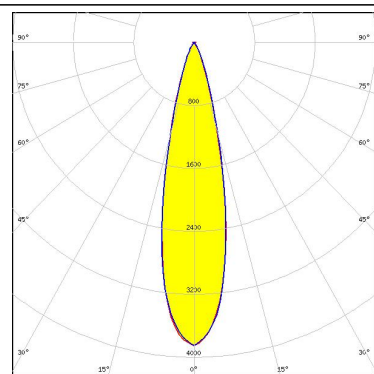
LED NVSxE21A  
 FWHM / FWTM 16.0° / 32.0°  
 Efficiency 82 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



### OPTICAL RESULTS (SIMULATED):



LED NWSx229A  
 FWHM / FWTM 24.0° / 44.0°  
 Efficiency 86 %  
 Peak intensity 3.9 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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