

## FLORENTINA-2X2-D

~18° diffused spot beam

### SPECIFICATION:

Dimensions	89.6 x 89.6 mm
Height	22.2 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

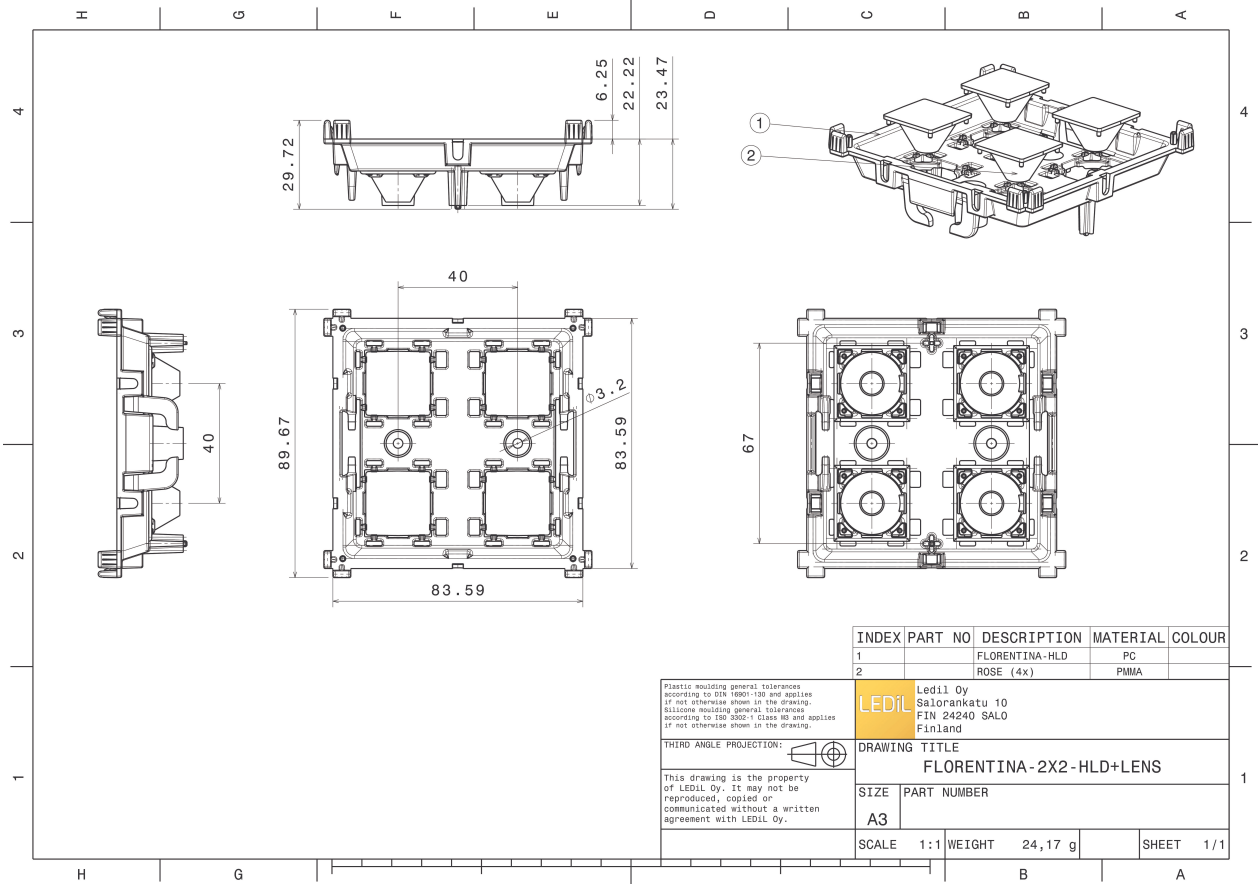
### MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-CMC-D	Single lens	PC	clear	
FLORENTINA-2X2-HLD	Holder	PC	black	

### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FCP14966_FLORENTINA-2X2-D » Box size: 476 x 273 x 292 mm	Single lens	88	24	8	4.3



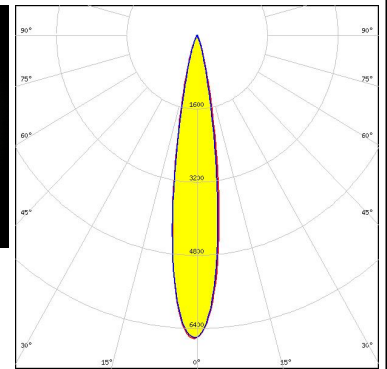


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

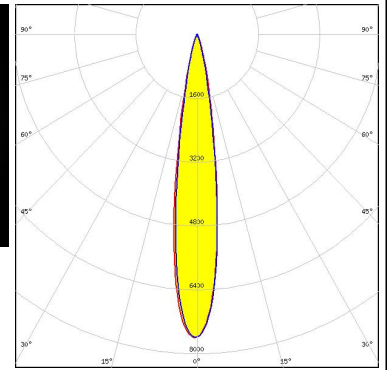
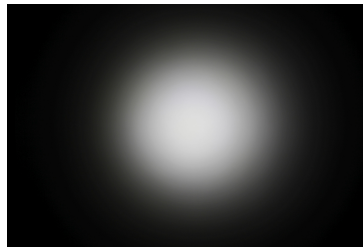
#### OPTICAL RESULTS (MEASURED):



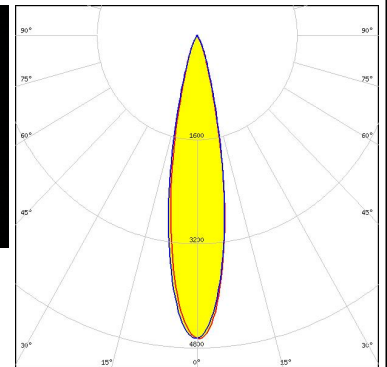
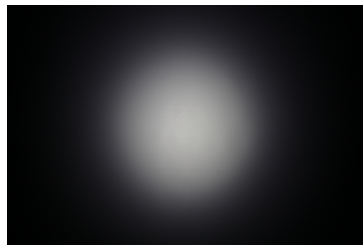
LED EASY-T FLUX 2x2 FLR XG xxx G7  
 FWHM / FWTM 18.0° / 34.0°  
 Efficiency 83 %  
 Peak intensity 6.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED EASY-T FLUX 2x2 FLR XT xxx G5  
 FWHM / FWTM 16.0° / 31.0°  
 Efficiency 84 %  
 Peak intensity 7.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XHP35 HD  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 80 %  
 Peak intensity 4.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



LED XHP35 HD  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 80 %  
 Peak intensity 4.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD

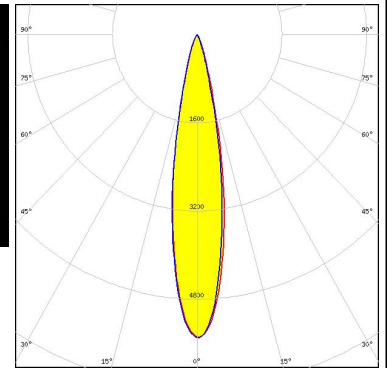
#### OPTICAL RESULTS (MEASURED):

##### CREE LED

LED XP-L HD  
 FWHM / FWTM 19.0° / 36.0°  
 Efficiency 77 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT

##### CREE LED

LED XP-L HD  
 FWHM / FWTM 19.0° / 36.0°  
 Efficiency 77 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD

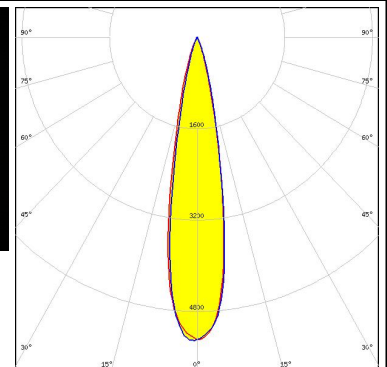
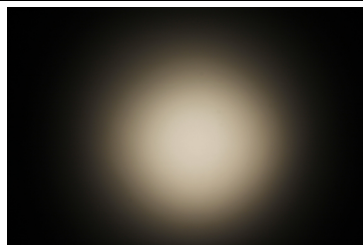


##### CREE LED

LED XP-L HD  
 FWHM / FWTM 19.0° / 36.0°  
 Efficiency 77 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN

##### LUMILEDS

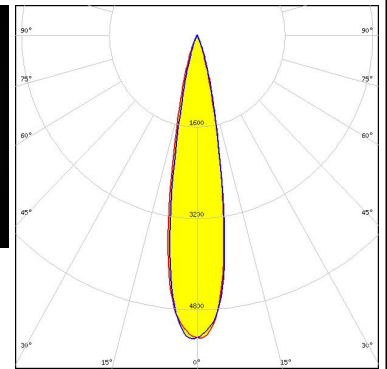
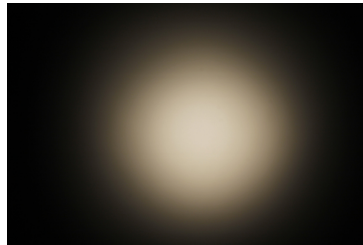
LED LUXEON MZ  
 FWHM / FWTM 20.0° / 37.0°  
 Efficiency 78 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



#### OPTICAL RESULTS (MEASURED):

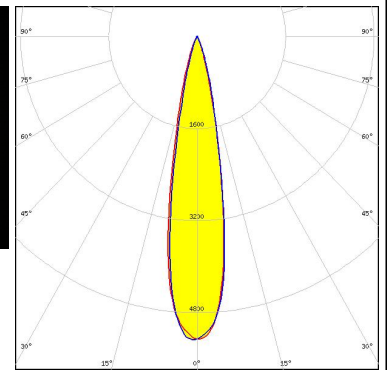
##### LUMILEDS

LED LUXEON MZ  
 FWHM / FWTM 20.0° / 37.0°  
 Efficiency 80 %  
 Peak intensity 5.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



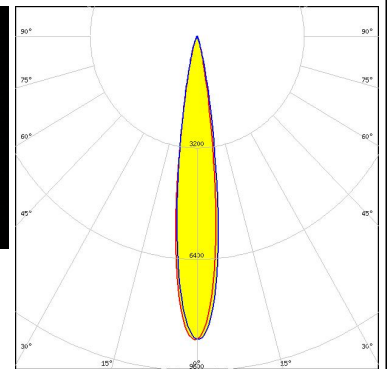
##### LUMILEDS

LED LUXEON MZ  
 FWHM / FWTM 20.0° / 37.0°  
 Efficiency 78 %  
 Peak intensity 5.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



##### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 82 %  
 Peak intensity 8.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



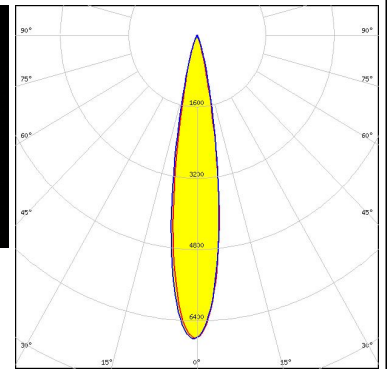
##### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 82 %  
 Peak intensity 8.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN

#### OPTICAL RESULTS (MEASURED):



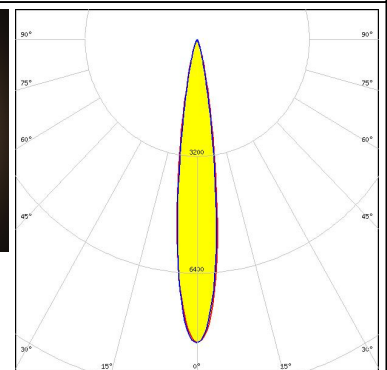
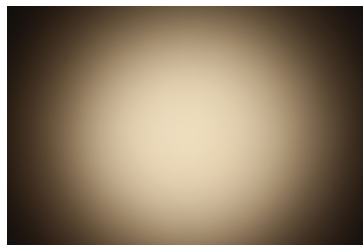
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 81 %  
 Peak intensity 6.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



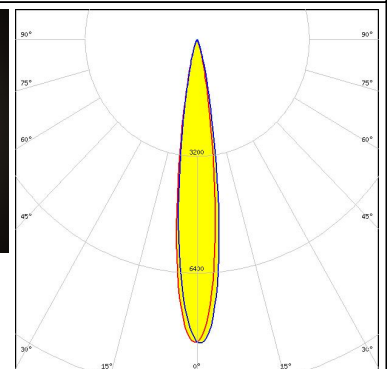
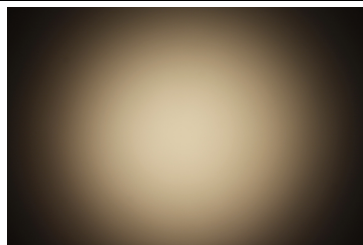
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 81 %  
 Peak intensity 6.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 77 %  
 Peak intensity 8.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 76 %  
 Peak intensity 8.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



#### OPTICAL RESULTS (MEASURED):

#### OSRAM

Opto Semiconductors

LED OSLOM Square EC  
 FWHM / FWTM 15.0° / 30.0°  
 Efficiency 81 %  
 Peak intensity 8.2 cd/lm  
 LEDs/each optic 1  
 Light colour White

Required components:

C15196\_FLORENTINA-2X2-SHD-OPEN

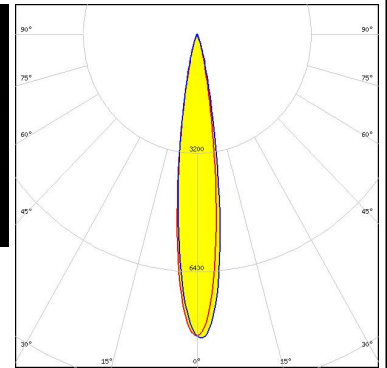
#### OSRAM

Opto Semiconductors

LED OSLOM Square EC  
 FWHM / FWTM 15.0° / 30.0°  
 Efficiency 81 %  
 Peak intensity 8.2 cd/lm  
 LEDs/each optic 1  
 Light colour White

Required components:

C14734\_FLORENTINA-2X2-SHD

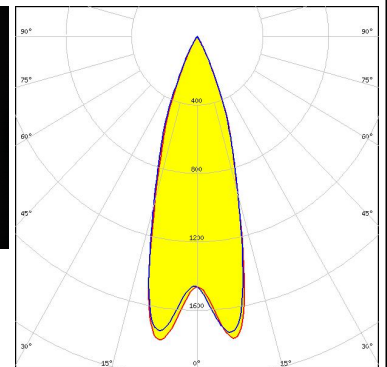
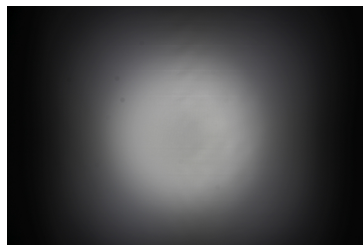


#### SAMSUNG

LED HiLOM SC16 (LH181B)  
 FWHM / FWTM 32.0° / 54.0°  
 Efficiency 65 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White

Required components:

C14734\_FLORENTINA-2X2-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:

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