

## FLORENTINA-2X2-MRK-S

~25° spot beam . Compatible with ultra high power LEDs.

### SPECIFICATION:

Dimensions	89.7 x 89.7 mm
Height	17.7 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

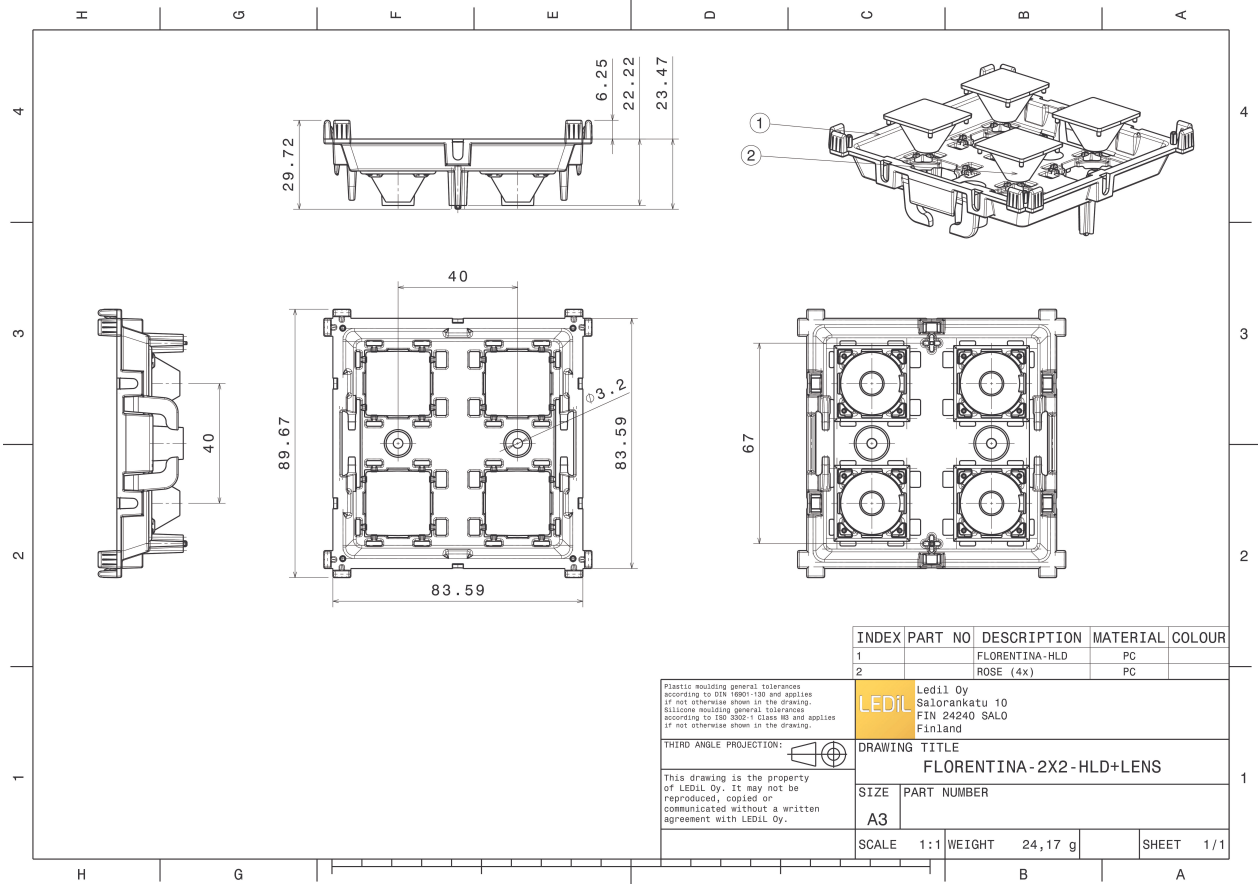


### MATERIALS:

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


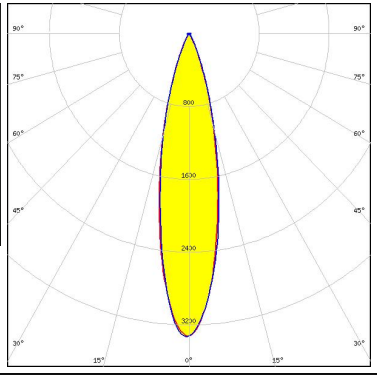

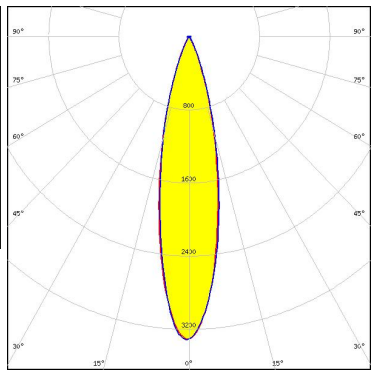

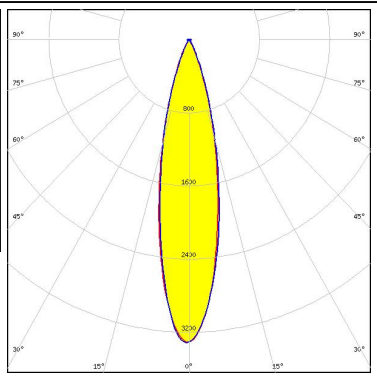
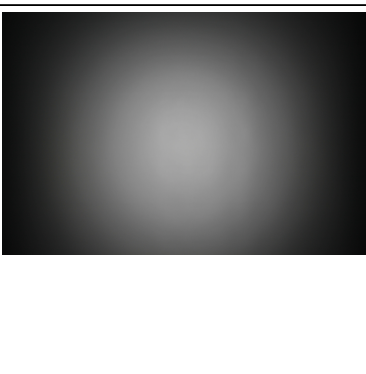
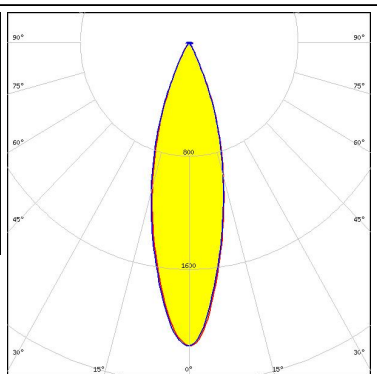
### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FCP15704_FLORENTINA-2X2-MRK-S	Single lens	88	24	8	4.1
» Box size: 476 x 273 x 292 mm					


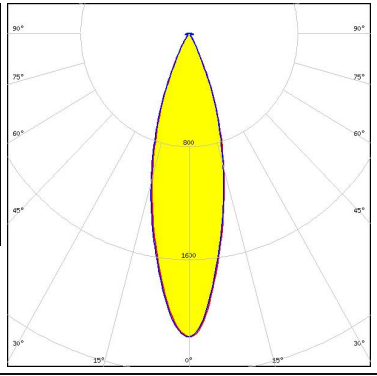
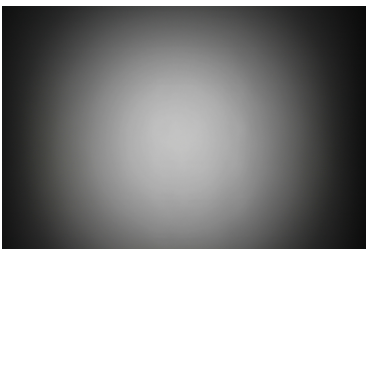
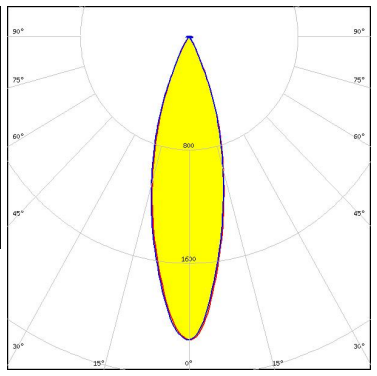

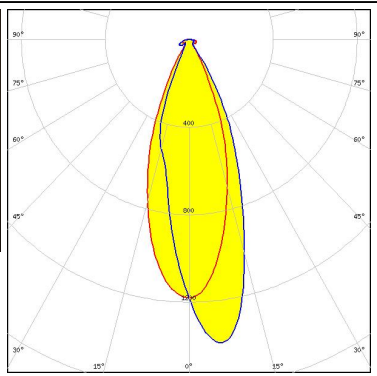

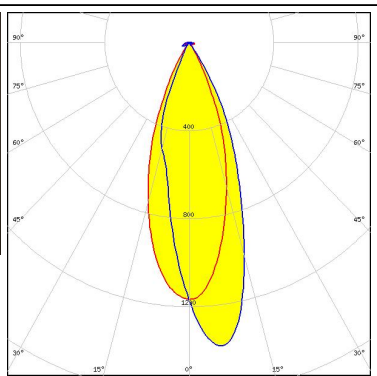


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LEDs</p> <p>LED XHP35 HD            FWHM / FWTM 23.0° / 46.0°            Efficiency 77 %            Peak intensity 3.3 cd/m            LEDs/each optic 1            Light colour White            Required components:            C15196_FLORENTINA-2X2-SHD-OPEN</p>		
<p><b>CREE</b> LEDs</p> <p>LED XHP35 HD            FWHM / FWTM 23.0° / 46.0°            Efficiency 76 %            Peak intensity 3.3 cd/m            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		
<p><b>CREE</b> LEDs</p> <p>LED XHP35 HD            FWHM / FWTM 23.0° / 46.0°            Efficiency 80 %            Peak intensity 3.3 cd/m            LEDs/each optic 1            Light colour White            Required components:            C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p><b>CREE</b> LEDs</p> <p>LED XHP50            FWHM / FWTM 28.0° / 52.0°            Efficiency 72 %            Peak intensity 2.1 cd/m            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		

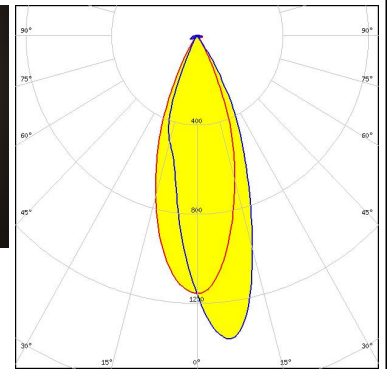
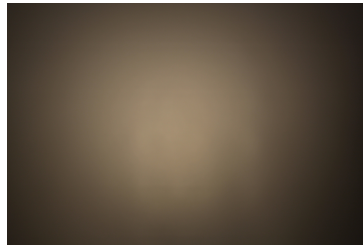
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LEDs</p> <p>LED XHP50            FWHM / FWTM 29.0° / 53.0°            Efficiency 77 %            Peak intensity 2.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p><b>CREE</b> LEDs</p> <p>LED XHP50            FWHM / FWTM 28.0° / 53.0°            Efficiency 72 %            Peak intensity 2.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15196_FLORENTINA-2X2-SHD-OPEN</p>		
<p><b>CREE</b> LEDs</p> <p>LED XHP70            FWHM / FWTM 37.0° / 62.0°            Efficiency 71 %            Peak intensity 1.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p><b>CREE</b> LEDs</p> <p>LED XHP70            FWHM / FWTM 36.0° / 60.0°            Efficiency 62 %            Peak intensity 1.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15196_FLORENTINA-2X2-SHD-OPEN</p>		

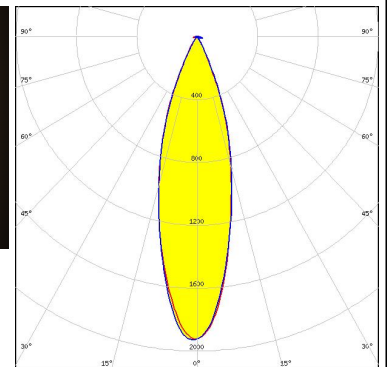
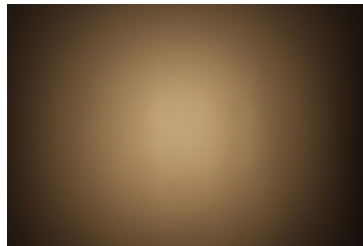
#### OPTICAL RESULTS (MEASURED):



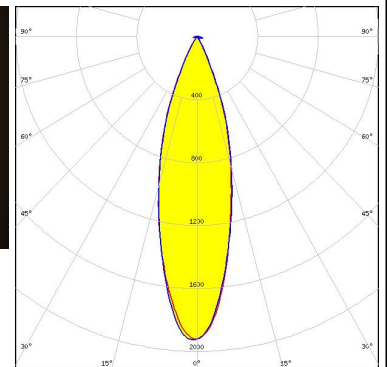
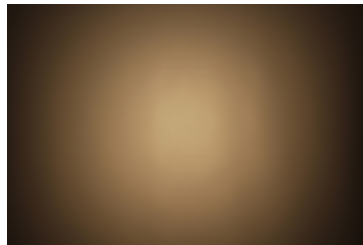
**LED** XHP70  
**FWHM / FWTM** 36.0° / 60.0°  
**Efficiency** 61 %  
**Peak intensity** 1.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14734\_FLORENTINA-2X2-SHD



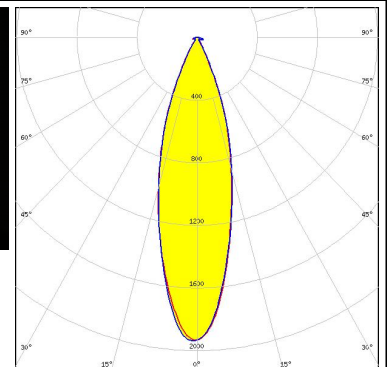
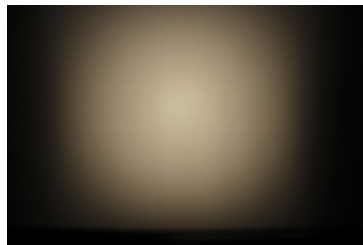
**LED** LUXEON M/MX  
**FWHM / FWTM** 29.0° / 54.0°  
**Efficiency** 69 %  
**Peak intensity** 1.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C15196\_FLORENTINA-2X2-SHD-OPEN




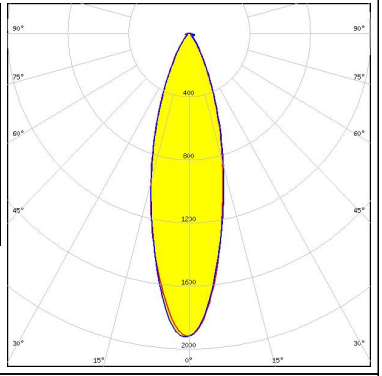

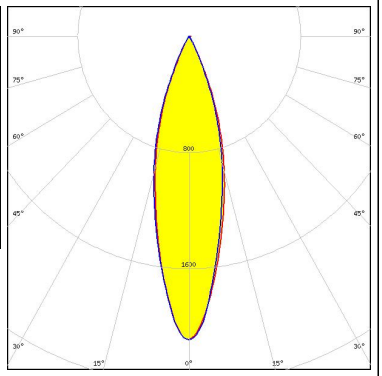

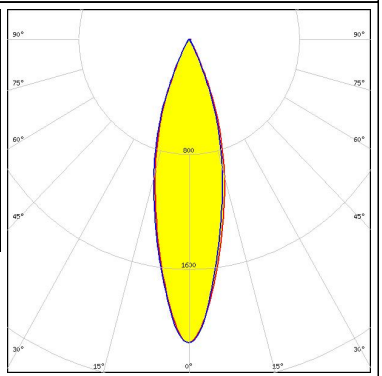

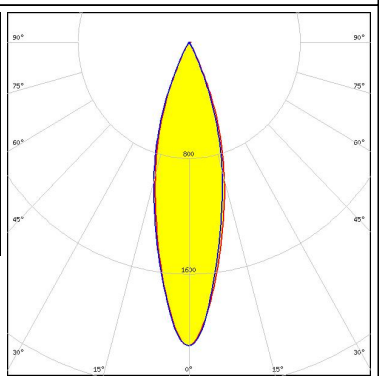
**LED** LUXEON M/MX  
**FWHM / FWTM** 29.0° / 53.0°  
**Efficiency** 68 %  
**Peak intensity** 1.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14734\_FLORENTINA-2X2-SHD



**LED** LUXEON M/MX  
**FWHM / FWTM** 29.0° / 54.0°  
**Efficiency** 75 %  
**Peak intensity** 1.9 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14960\_FLORENTINA-2X2-SHD-WHT



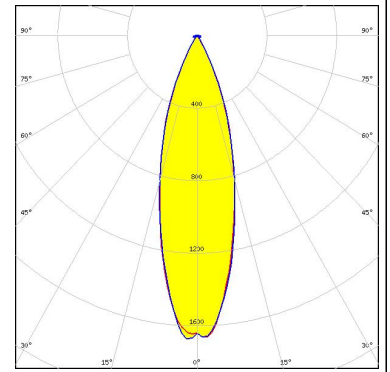
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON M/MX            FWHM / FWTM 29.0° / 60.0°            Efficiency 79 %            Peak intensity 1.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 7070            FWHM / FWTM 28.0° / 54.0°            Efficiency 62 %            Peak intensity 2.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 7070            FWHM / FWTM 28.0° / 55.0°            Efficiency 68 %            Peak intensity 2.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 7070            FWHM / FWTM 28.0° / 54.0°            Efficiency 63 %            Peak intensity 2.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15196_FLORENTINA-2X2-SHD-OPEN</p>		

#### OPTICAL RESULTS (SIMULATED):



LED LUXEON 7070  
FWHM / FWTM 30.0° / 56.0°  
Efficiency 62 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



LED Duris S8  
FWHM / FWTM 30.0° / 56.0°  
Efficiency 78 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD

