

## 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 ⓘ

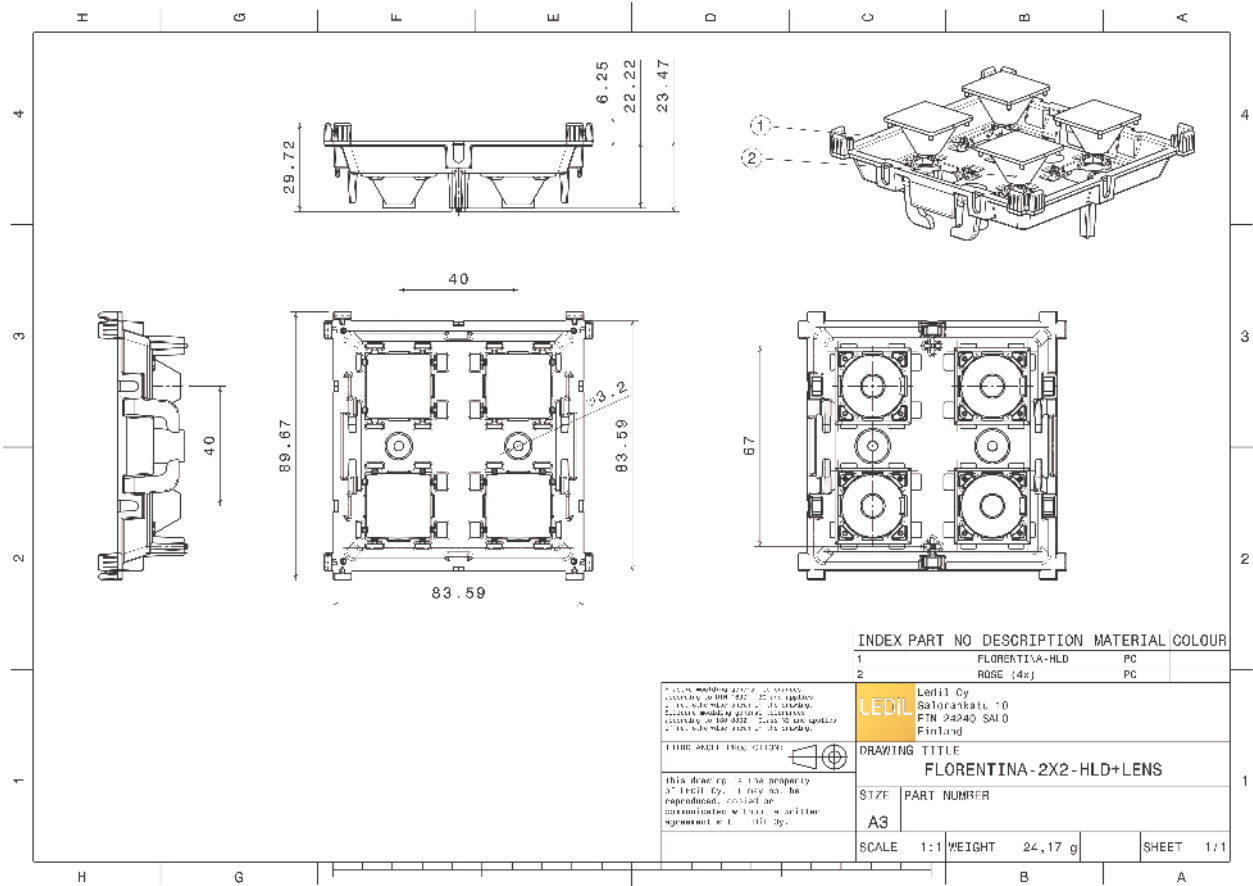


### MATERIALS:

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

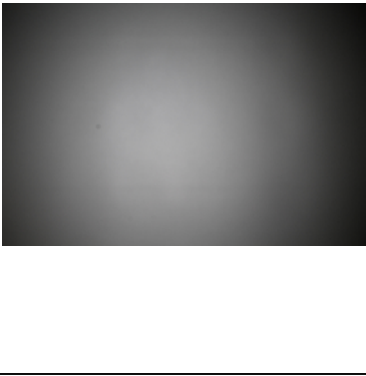
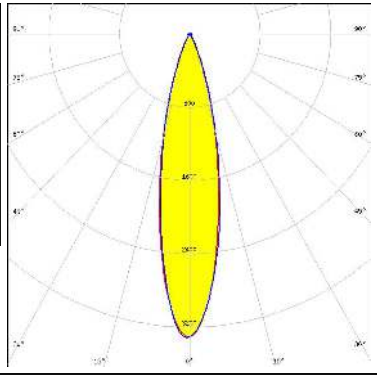

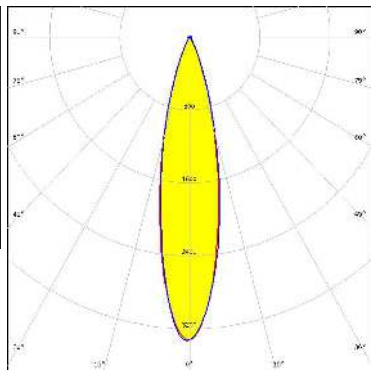

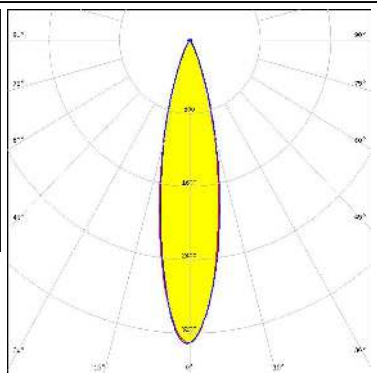
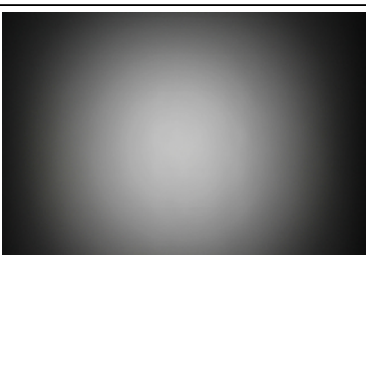
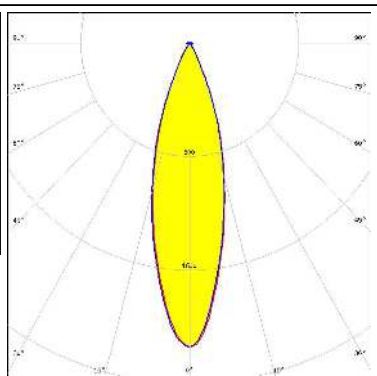
### ORDERING INFORMATION:

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					



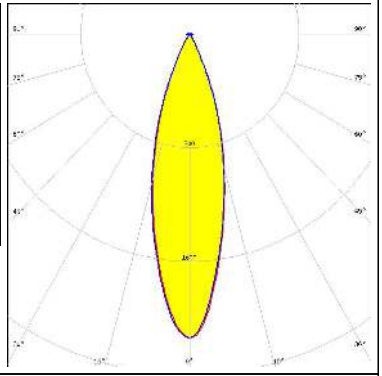

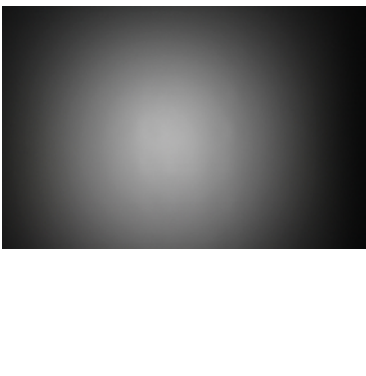
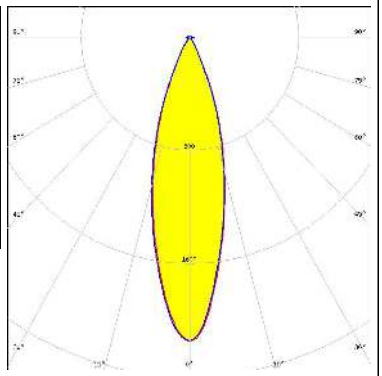


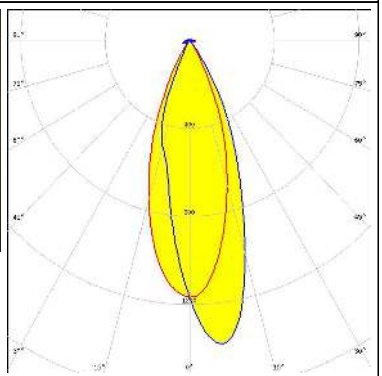

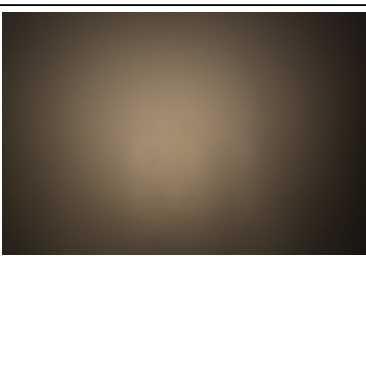
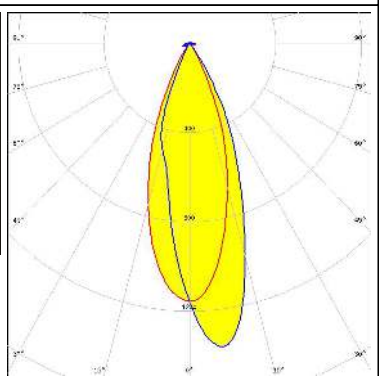


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> → <b>LED</b></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> → <b>LED</b></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> → <b>LED</b></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> → <b>LED</b></p> <p>LED XHP50            FWHM / FWTM 28.0° / 53.0°            Efficiency 72 %            Peak intensity 2.1 cd/m            LEDs/each optic 1            Light colour White            Required components:            C15196_FLORENTINA-2X2-SHD-OPEN</p>		

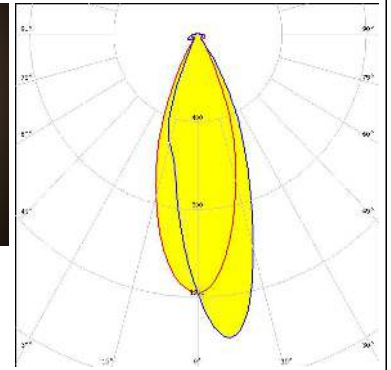
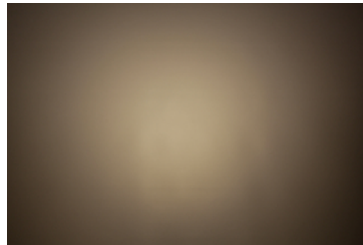
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b>  <b>LED</b></p> <p>LED XHP50            FWHM / FWTM 28.0° / 52.0°            Efficiency 72 %            Peak intensity 2.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		
<p><b>CREE</b>  <b>LED</b></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>  <b>LED</b></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>		
<p><b>CREE</b>  <b>LED</b></p> <p>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</p>		

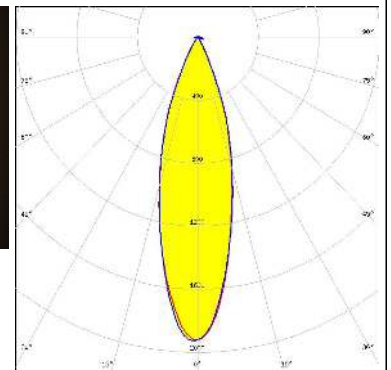
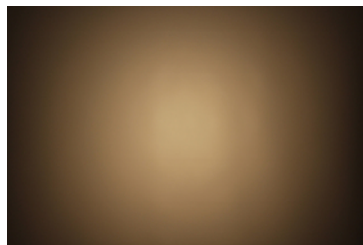
#### OPTICAL RESULTS (MEASURED):



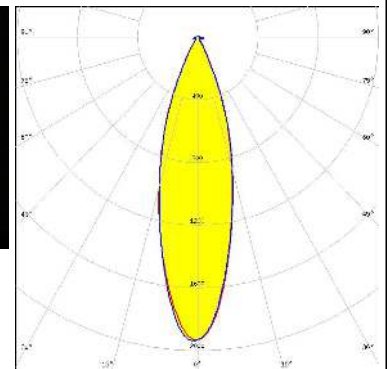
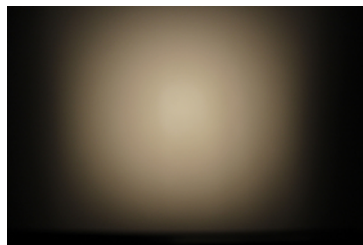
LED XHP70  
 FWHM / FWTM 37.0° / 62.0°  
 Efficiency 71 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



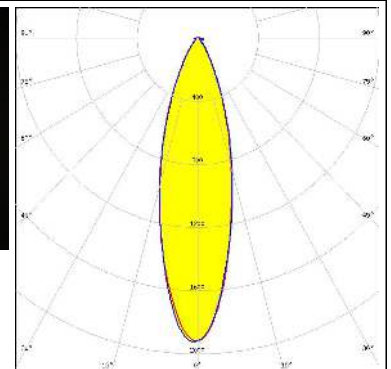
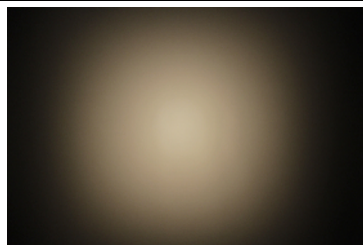
LED LUXEON M/MX  
 FWHM / FWTM 29.0° / 53.0°  
 Efficiency 68 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



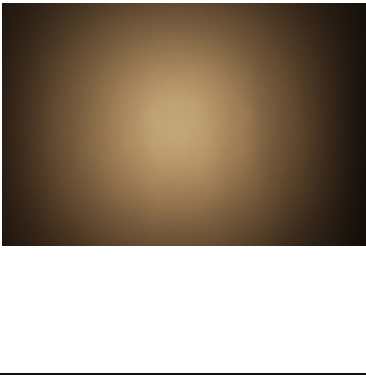
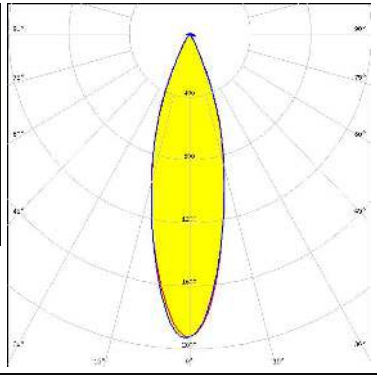

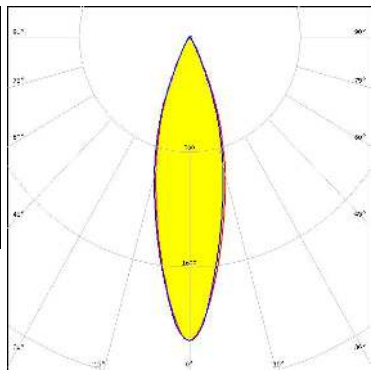

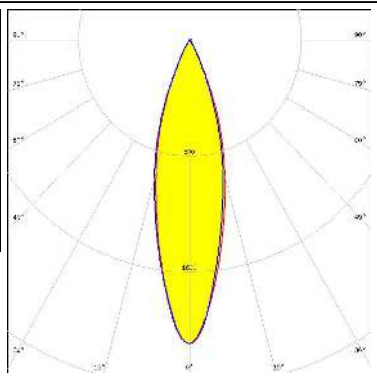

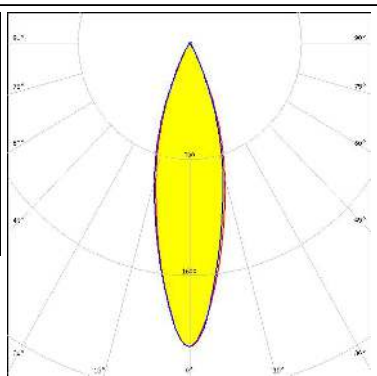
LED LUXEON M/MX  
 FWHM / FWTM 29.0° / 54.0°  
 Efficiency 75 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT



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:



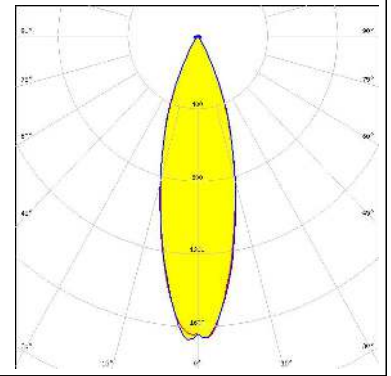
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON M/MX            FWHM / FWTM 29.0° / 54.0°            Efficiency 69 %            Peak intensity 1.9 cd/m            LEDs/each optic 1            Light colour White            Required components:            C15196_FLORENTINA-2X2-SHD-OPEN</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/m            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/m            LEDs/each optic 1            Light colour White            Required components:            C15196_FLORENTINA-2X2-SHD-OPEN</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/m            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		

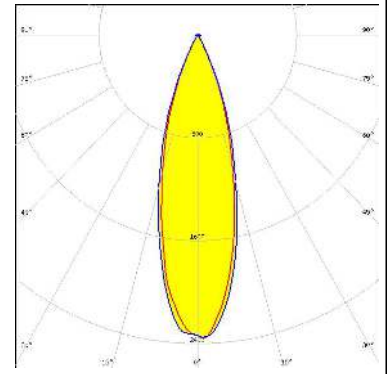
#### OPTICAL RESULTS (SIMULATED):



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



#### 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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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

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