

## FLORENTINA-2X2-MRK-BW

~60° batwing beam compatible with ultra high power LEDs

### SPECIFICATION:

Dimensions	89.7 x 89.7 mm
Height	29.7 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

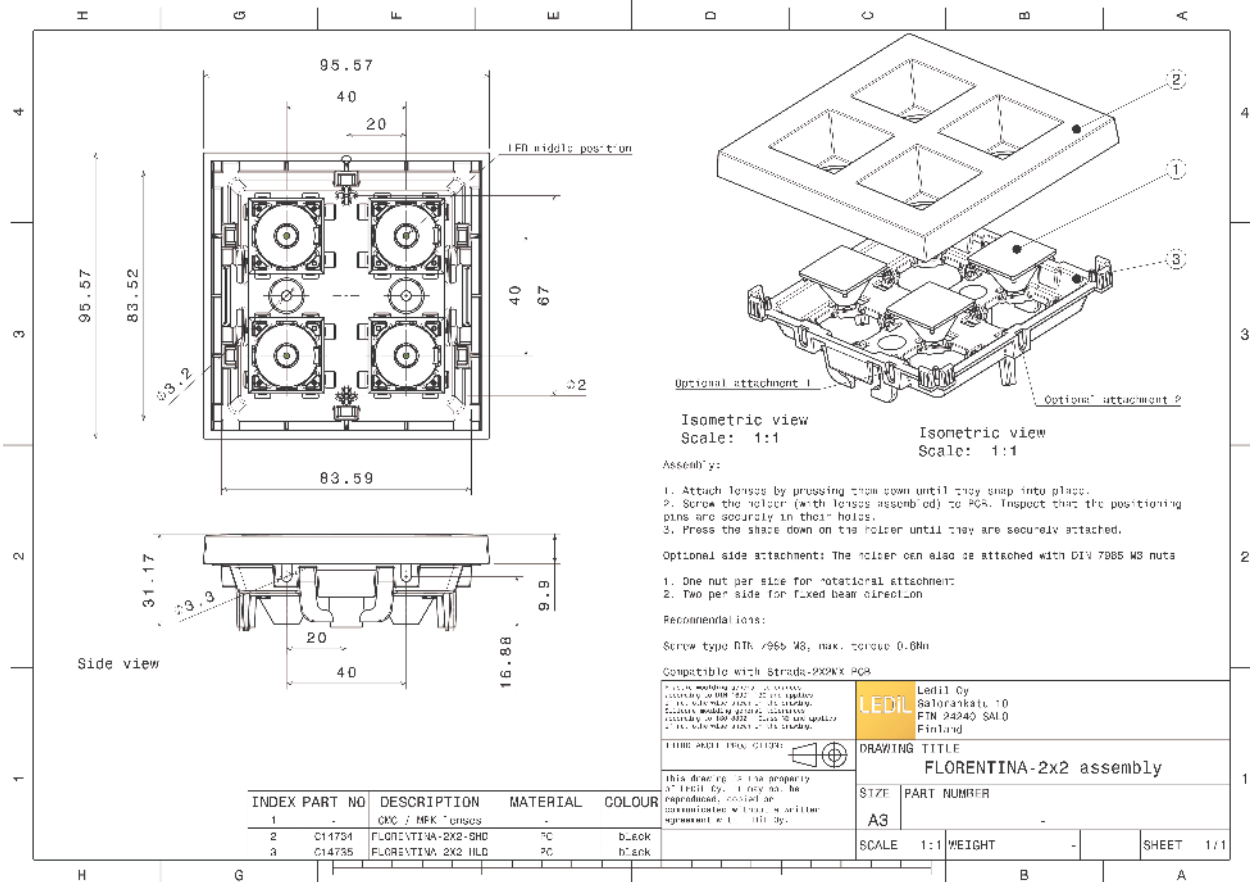


### MATERIALS:

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

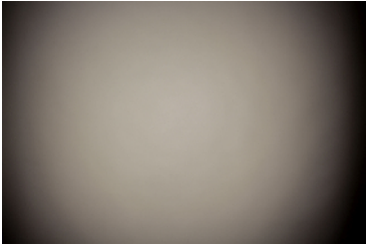
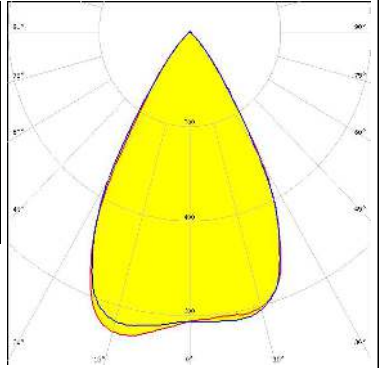

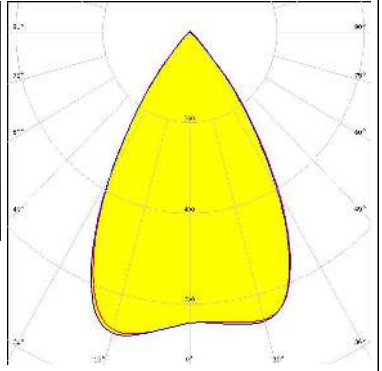
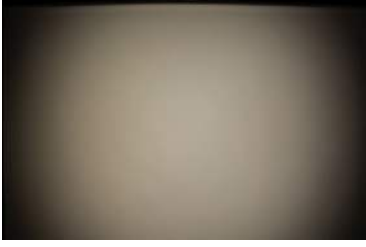
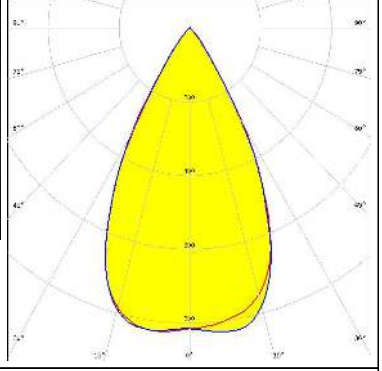

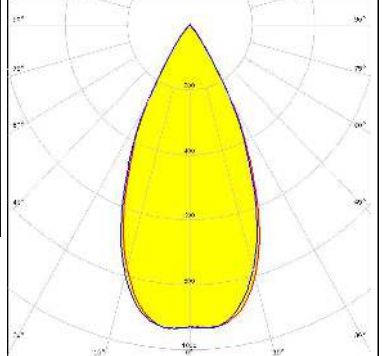
### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FCP15707_FLORENTINA-2X2-MRK-BW	Single lens	88	24	8	3.5
» 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)

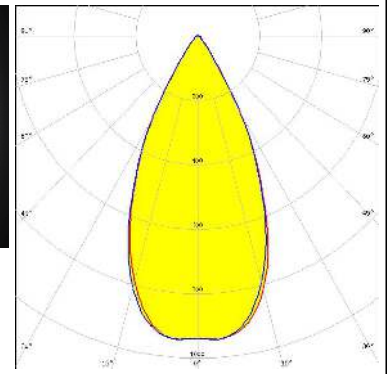
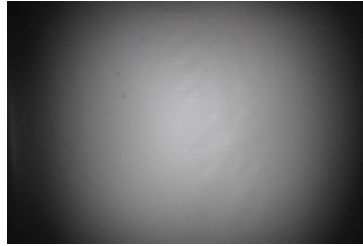
#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LED</p> <p>LED XHP50.2            FWHM / FWTM 62.0° / 81.0°            Efficiency 61 %            Peak intensity 0.7 cd/m            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON M/MX            FWHM / FWTM 64.0° / 84.0°            Efficiency 63 %            Peak intensity 0.7 cd/m            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 Duris S8            FWHM / FWTM 55.0° / 74.0°            Efficiency 66 %            Peak intensity 0.8 cd/m            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		
<p><b>SAMSUNG</b></p> <p>LED HiLOM SC16 (LH181B)            FWHM / FWTM 49.0° / 70.0°            Efficiency 62 %            Peak intensity 0.9 cd/m            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		

#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

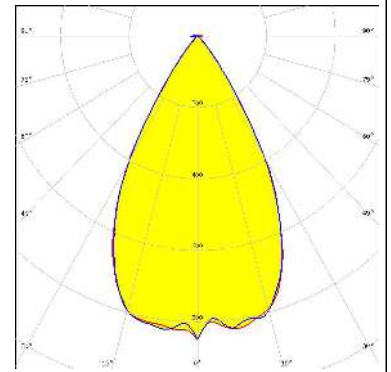
LED HiLOM SC16 (LH181B)  
FWHM / FWTM 50.0° / 72.0°  
Efficiency 69 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



#### OPTICAL RESULTS (SIMULATED):

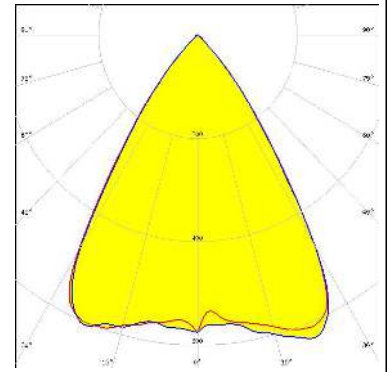
##### LUMILEDS

LED LUXEON 7070  
FWHM / FWTM 58.0° / 78.0°  
Efficiency 75 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### NICHIA

LED NV4x144A  
FWHM / FWTM 67.0° / 86.0°  
Efficiency 72 %  
Peak intensity 0.7 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:

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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