

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 ⓘ

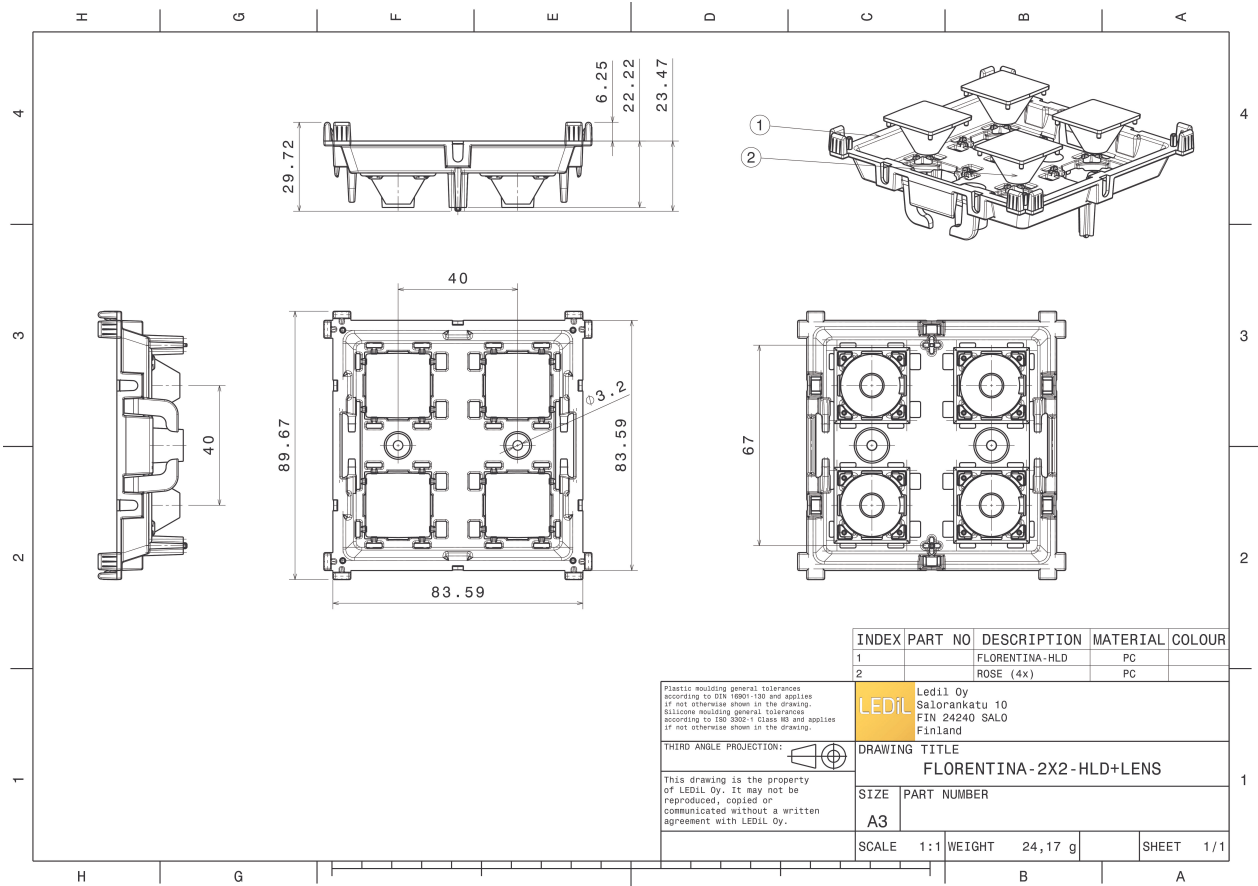


MATERIALS:

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


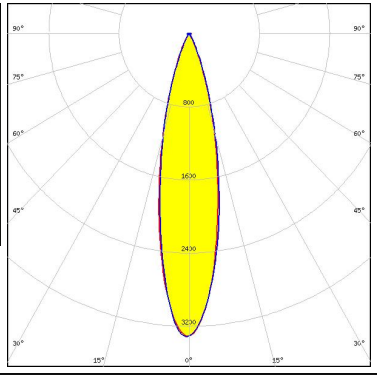

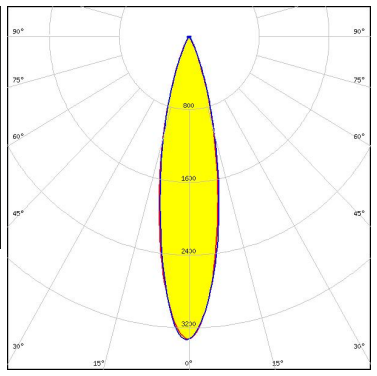

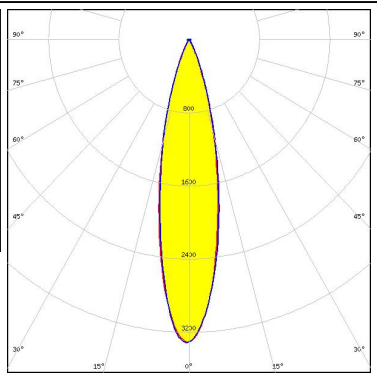

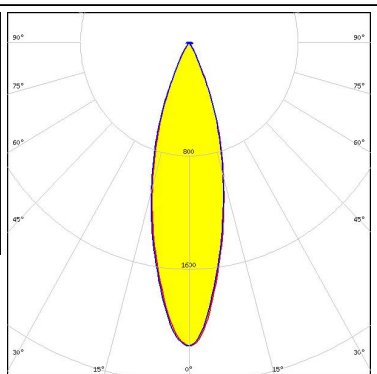
ORDERING INFORMATION:

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					


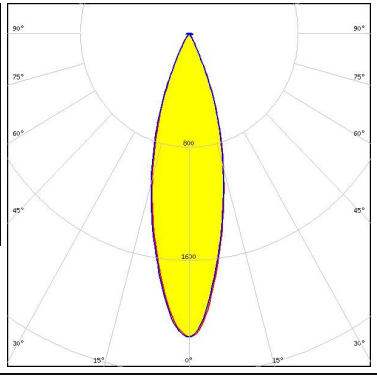

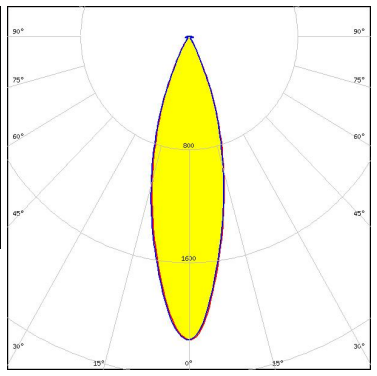

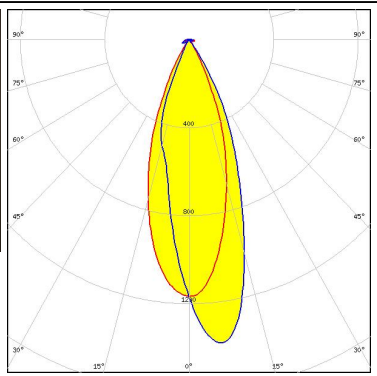

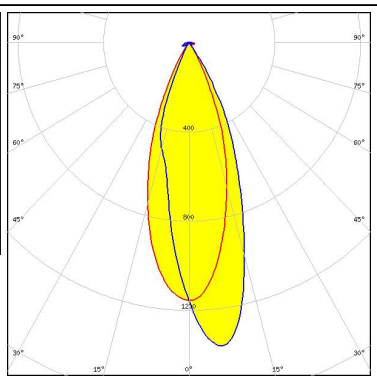


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p>CREE LED</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>CREE LED</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>CREE LED</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>CREE LED</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>		

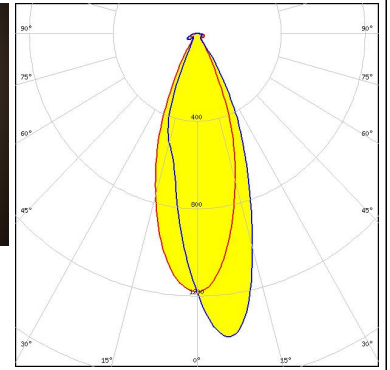
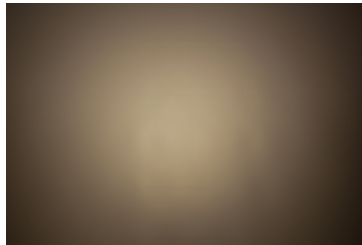
OPTICAL RESULTS (MEASURED):

<p>CREE → LED</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>CREE → LED</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>CREE → LED</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>CREE → LED</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>		

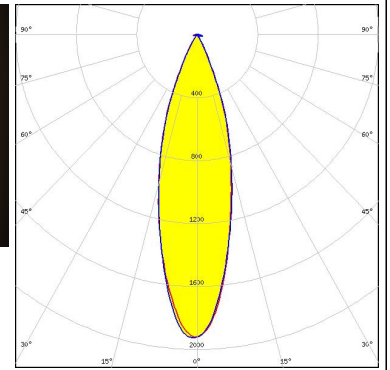
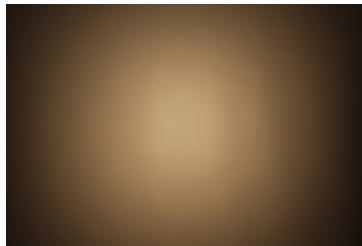
OPTICAL RESULTS (MEASURED):



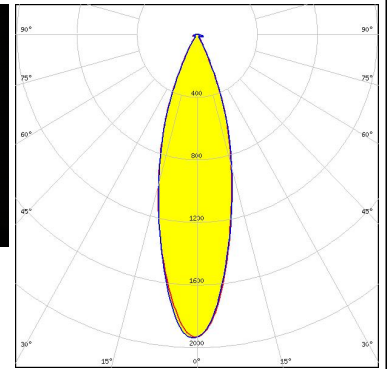
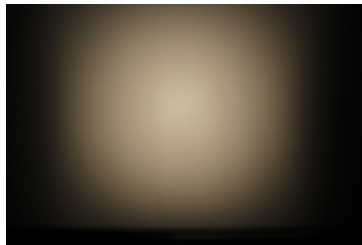
LED XHP70
FWHM / FWTM 37.0° / 62.0°
Efficiency 71 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



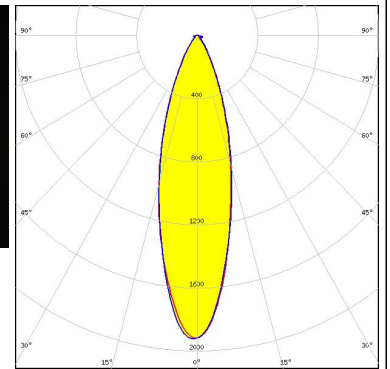
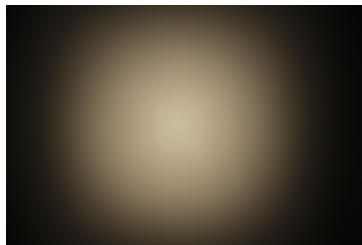
LED LUXEON M/MX
FWHM / FWTM 29.0° / 53.0°
Efficiency 68 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14734_FLORENTINA-2X2-SHD




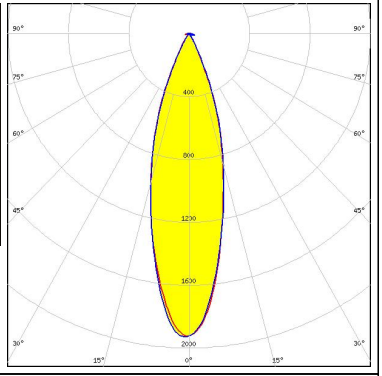

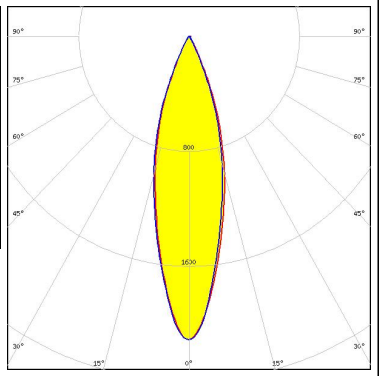

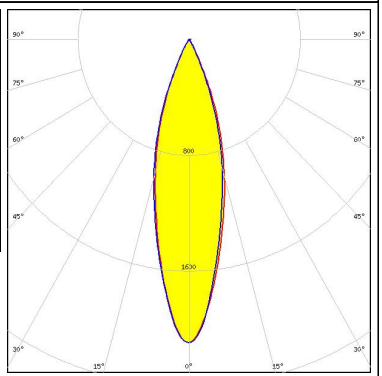

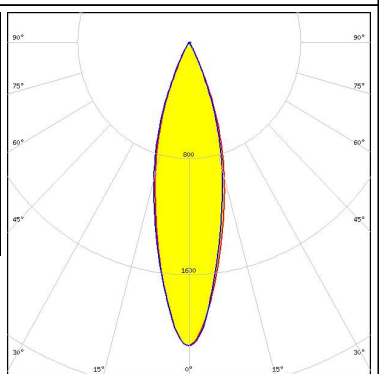
LED LUXEON M/MX
FWHM / FWTM 29.0° / 54.0°
Efficiency 75 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



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:



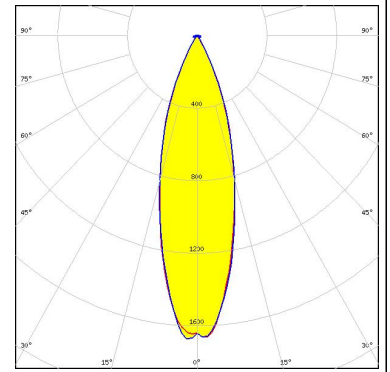
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</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>OSRAM <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>OSRAM <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>OSRAM <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):

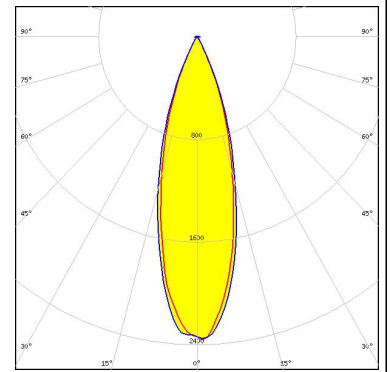
LUMILEDS

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



OSRAM Opto Semiconductors

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:

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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