

FLORENTINA-2X2-O

~45° + 15° oval beam

SPECIFICATION:

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

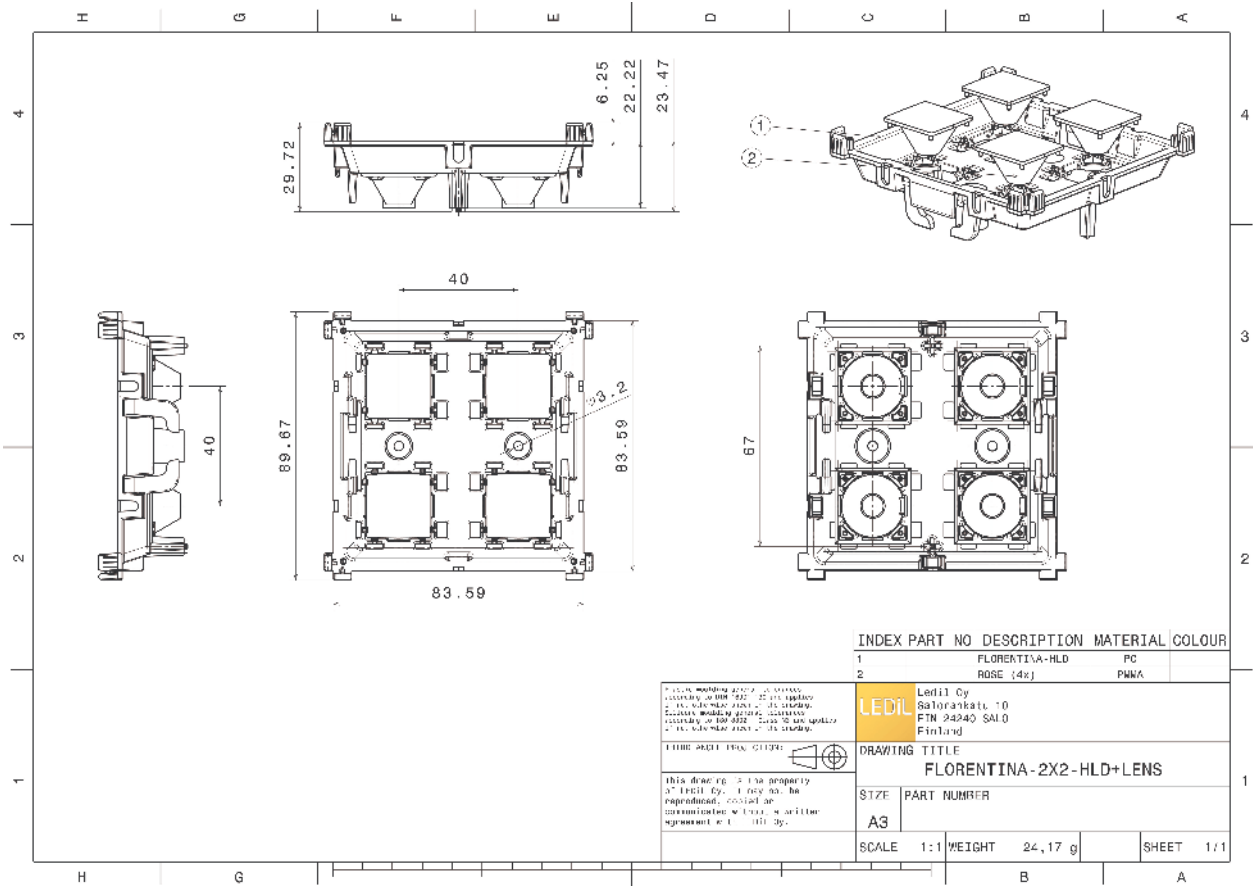
MATERIALS:

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

ORDERING INFORMATION:



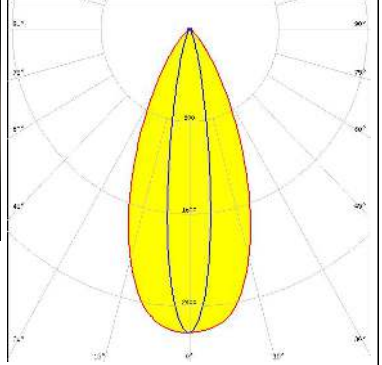


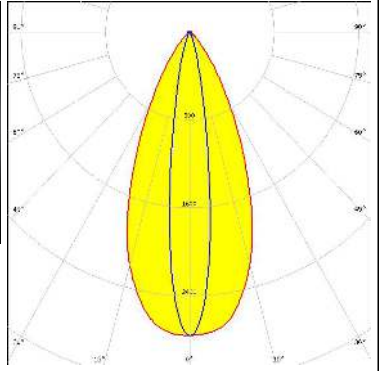


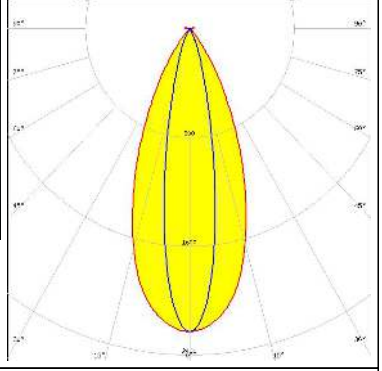



Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP14968_FLORENTINA-2X2-O	Single lens	88	24	8	4.3
» Box size: 476 x 273 x 292 mm					





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

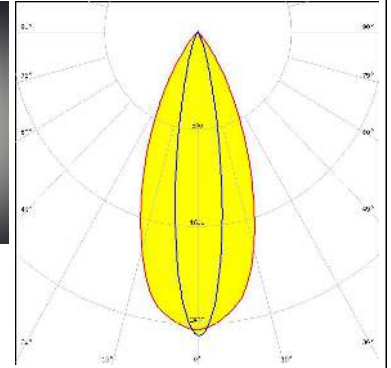
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED EASY-T FLUX 2x2 FLR XG xxx G7</p> <p>FWHM / FWTM 45.0 + 17.0° / 78.0 + 34.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 2.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED EASY-T FLUX 2x2 FLR XT xxx G5</p> <p>FWHM / FWTM 46.0 + 16.0° / 77.0 + 32.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED XHP35 HD</p> <p>FWHM / FWTM 43.0 + 20.0° / 72.0 + 41.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C14734_FLORENTINA-2X2-SHD</p>		
<p></p> <p>LED XP-L HD</p> <p>FWHM / FWTM 44.0 + 18.0° / 117.0°</p> <p>Efficiency 70 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p>C14960_FLORENTINA-2X2-SHD-WHT</p>		

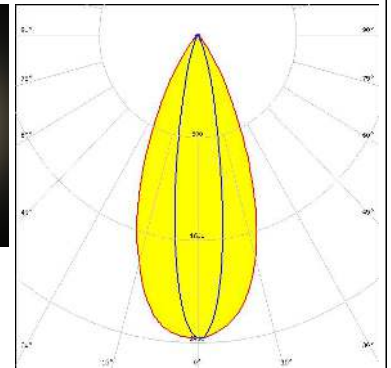
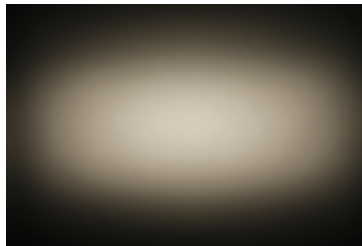
OPTICAL RESULTS (MEASURED):



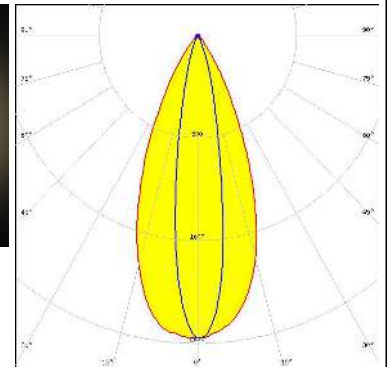
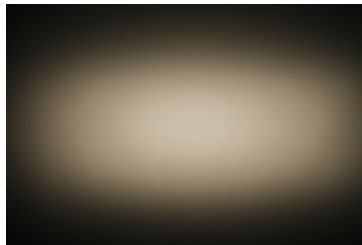
LED XP-L HD
 FWHM / FWTM 44.0 + 18.0° / 80.0 + 37.0°
 Efficiency 70 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



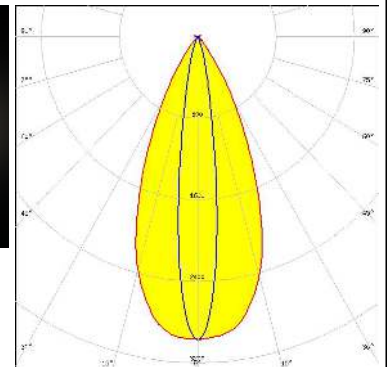
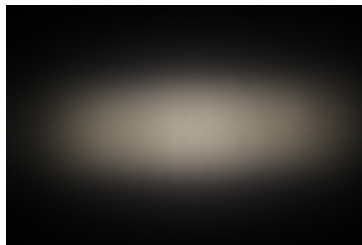
LED LUXEON MZ
 FWHM / FWTM 44.0 + 18.0° / 70.0 + 38.0°
 Efficiency 74 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT




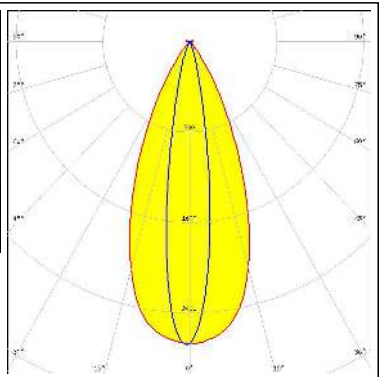

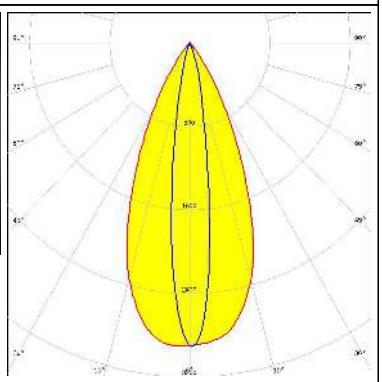
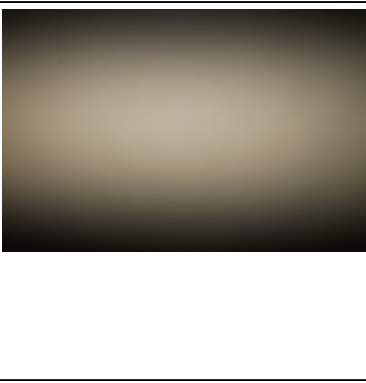
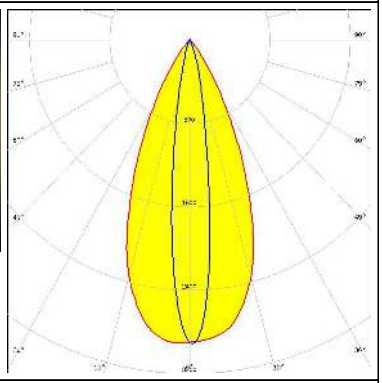

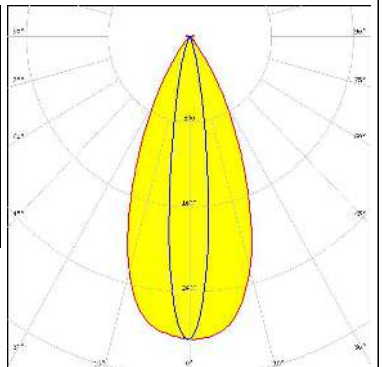
LED LUXEON MZ
 FWHM / FWTM 44.0 + 18.0° / 70.0 + 37.0°
 Efficiency 70 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



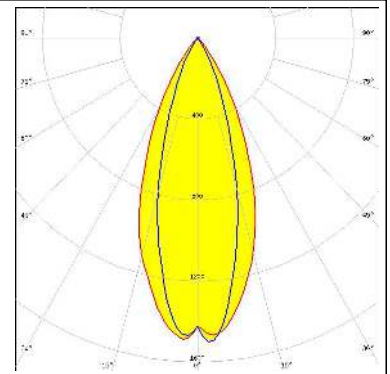
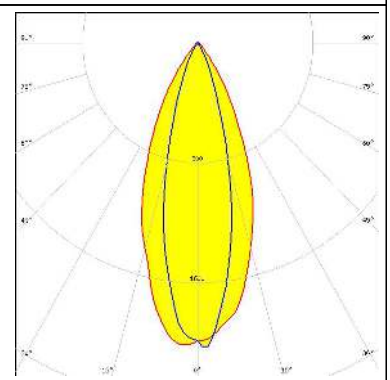
LED LUXEON TX
 FWHM / FWTM 46.0 + 15.0° / 71.0 + 31.0°
 Efficiency 75 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 44.0 + 17.0° / 70.0 + 33.0° Efficiency 73 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 46.0 + 15.0° / 71.0 + 31.0° Efficiency 70 % Peak intensity 2.9 cd/lm LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 46.0 + 15.0° / 71.0 + 31.0° Efficiency 73 % Peak intensity 2.9 cd/lm LEDs/each optic 1 Light colour White Required components: C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC FWHM / FWTM 45.0 + 15.0° / 71.0 + 32.0° Efficiency 74 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components: C14734_FLORENTINA-2X2-SHD</p>		

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON 7070</p> <p>FWHM / FWTM 44.0 + 31.0° / 74.0 + 58.0°</p> <p>Efficiency 69 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14734_FLORENTINA-2X2-SHD</p>	 <p>A beam spread diagram for the LUXEON 7070 LED. It shows a yellow, elongated beam shape on a grid of concentric circles and radial lines. The grid has radial lines at 15°, 30°, 45°, 60°, 75°, and 90°. The beam is wider at the top and bottom, with a narrower section in the middle. The top and bottom edges of the beam are labeled with 44° and 58° respectively, indicating the full width at maximum (FTM) angles. The middle section is labeled with 31°, indicating the full width at half maximum (FWHM) angle.</p>
<p>LUMILEDS</p> <p>LED LUXEON M/MX</p> <p>FWHM / FWTM 43.0 + 26.0° / 74.0 + 51.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14960_FLORENTINA-2X2-SHD-WHT</p>	 <p>A beam spread diagram for the LUXEON M/MX LED. It shows a yellow, elongated beam shape on a grid of concentric circles and radial lines. The grid has radial lines at 15°, 30°, 45°, 60°, 75°, and 90°. The beam is wider at the top and bottom, with a narrower section in the middle. The top and bottom edges of the beam are labeled with 43° and 51° respectively, indicating the full width at maximum (FTM) angles. The middle section is labeled with 26°, indicating the full width at half maximum (FWHM) angle.</p>

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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