

FLORENTINA-2X2-W

~40° wide beam

SPECIFICATION:

Dimensions	89.6 x 89.6
Height	22.2 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

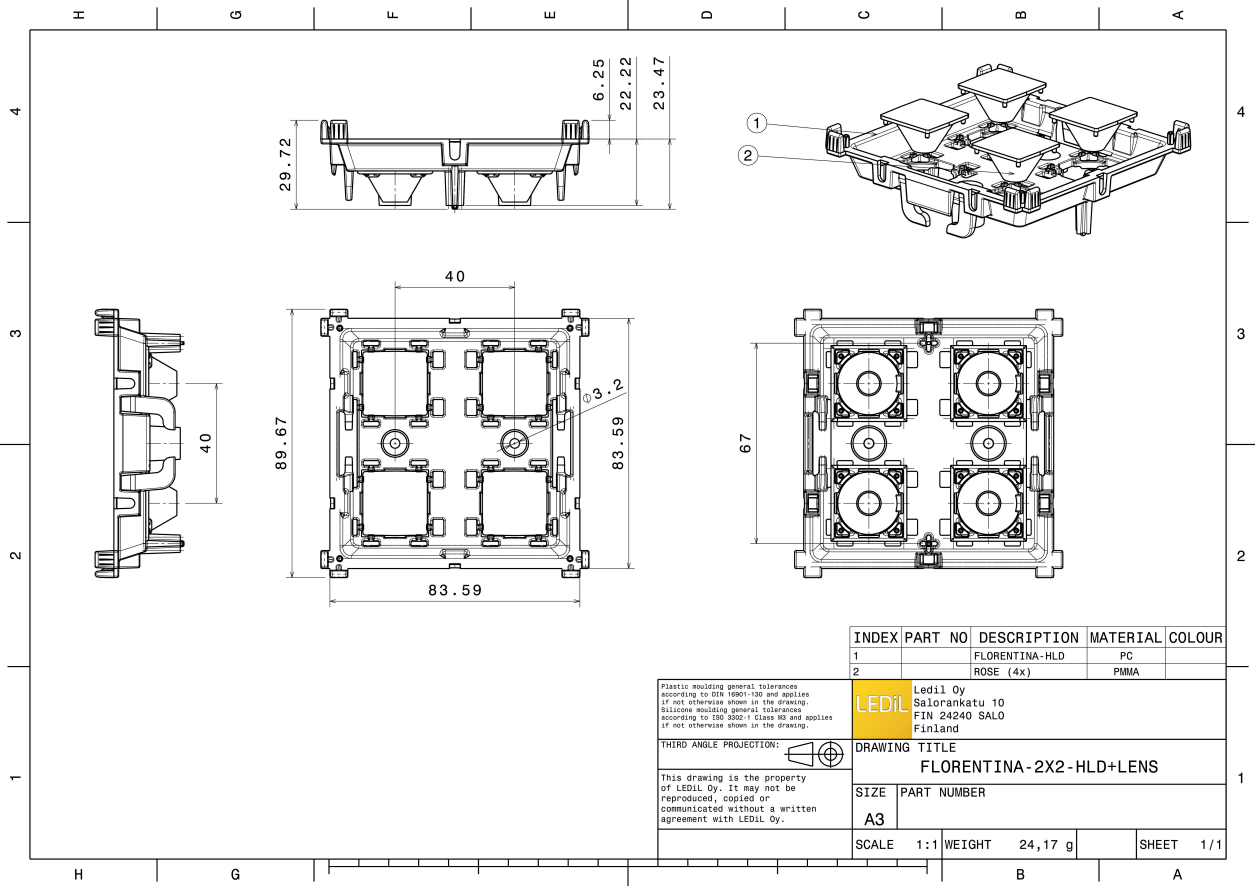
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
ROSE-C-C-W-V4	Single lens	PC	clear		
FLORENTINA-2X2-HLD	Holder	PC	black		



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP14969_FLORENTINA-2X2-W	Single lens	88	24	8	4.0
» Box size: 476 x 273 x 292 mm					

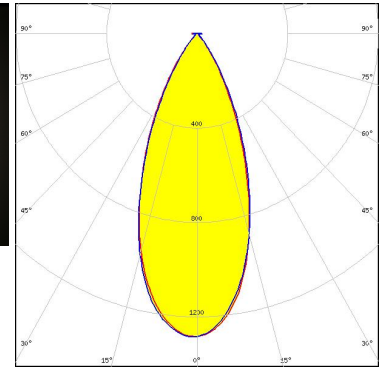
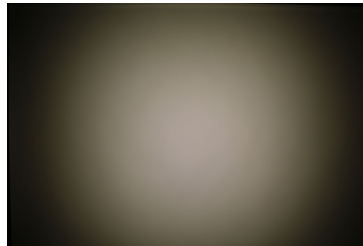


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



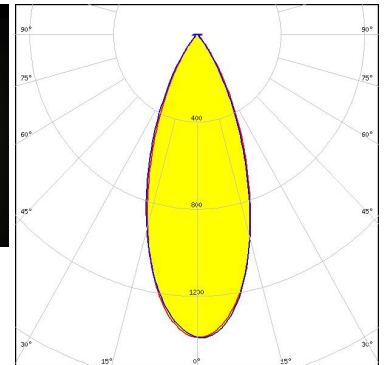
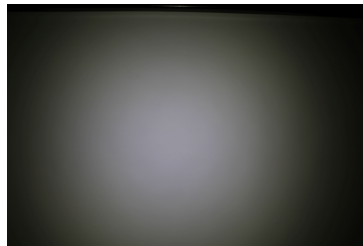
LED EASY-T FLUX 2x2 FLR XG xxx G7
 FWHM / FWTM 42.0° / 72.0°
 Efficiency 77 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED EASY-T FLUX 2x2 FLR XT xxx G5
 FWHM / FWTM 40.0° / 70.0°
 Efficiency 77 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

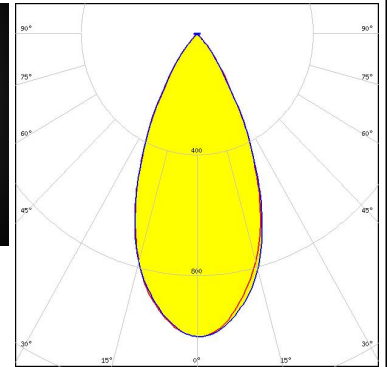
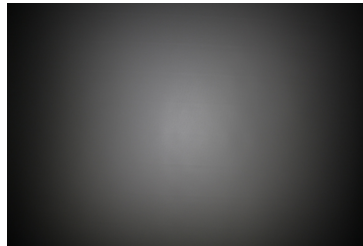


LED XHP35 HD
 FWHM / FWTM 49.0° / 77.0°
 Efficiency 70 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN

OPTICAL RESULTS (MEASURED):



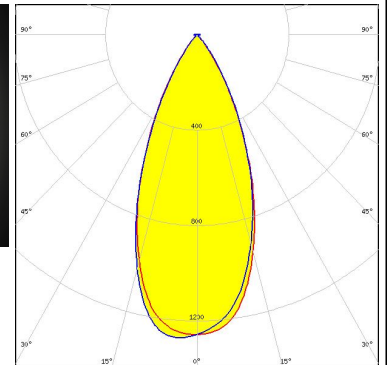
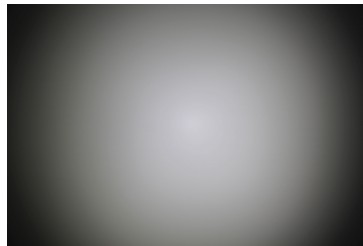
LED XHP35 HD
 FWHM / FWTM 49.0° / 77.0°
 Efficiency 70 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14734_FLORENTINA-2X2-SHD



Light distribution files



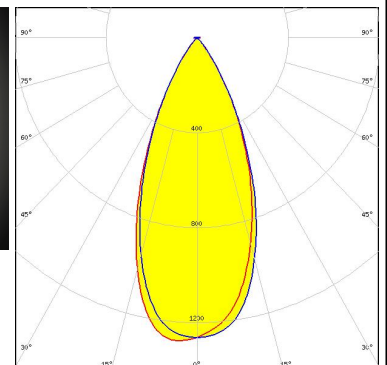
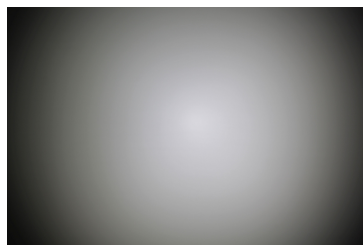
LED XP-G2
 FWHM / FWTM 44.0° / 72.0°
 Efficiency 78 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



Light distribution files



LED XP-G2
 FWHM / FWTM 44.0° / 72.0°
 Efficiency 76 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14734_FLORENTINA-2X2-SHD

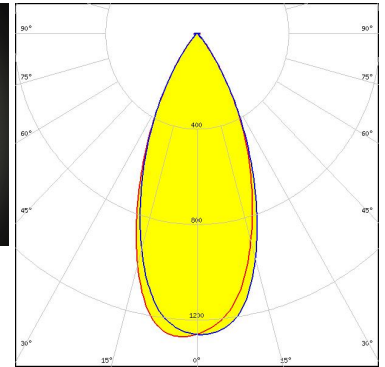
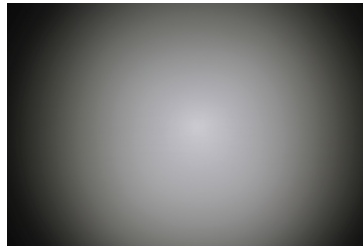


Light distribution files

OPTICAL RESULTS (MEASURED):



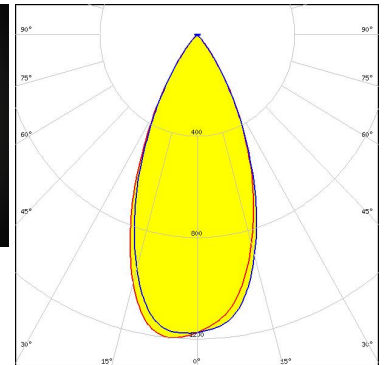
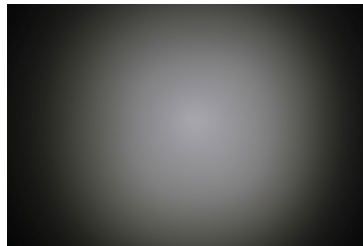
LED XP-G2
 FWHM / FWTM 44.0° / 73.0°
 Efficiency 79 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2
 FWHM / FWTM 46.0° / 74.0°
 Efficiency 77 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



Light distribution files



LED XP-L HD
 FWHM / FWTM 49.0° / 77.0°
 Efficiency 70 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT

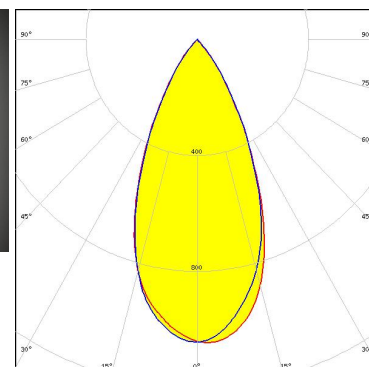
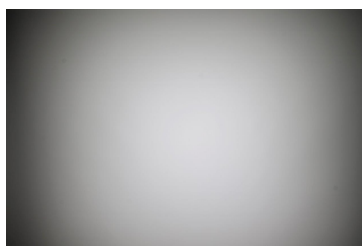
OPTICAL RESULTS (MEASURED):



LED XP-L HD
 FWHM / FWTM 49.0° / 77.0°
 Efficiency 70 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



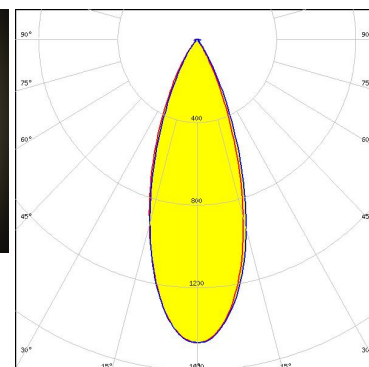
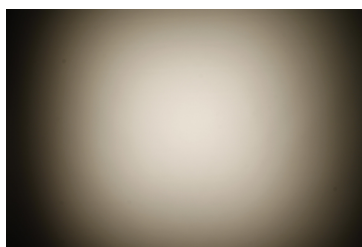
LED XP-L HD
 FWHM / FWTM 49.0° / 77.0°
 Efficiency 70 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14734_FLORENTINA-2X2-SHD



Light distribution files



LED LUXEON MZ
 FWHM / FWTM 37.0° / 63.0°
 Efficiency 69 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT

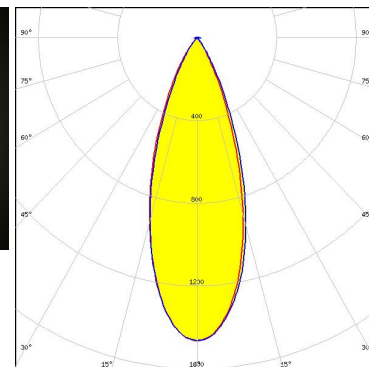
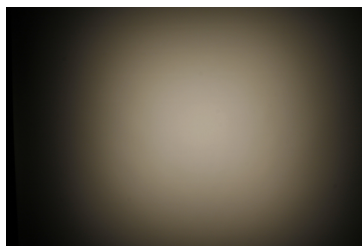


Light distribution files

OPTICAL RESULTS (MEASURED):



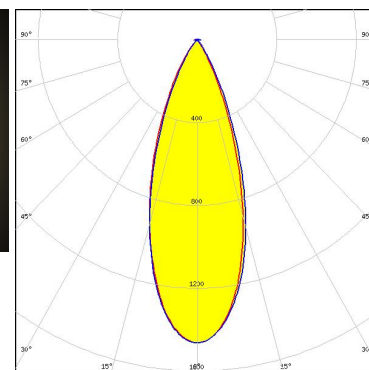
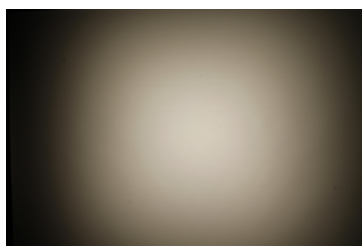
LED LUXEON MZ
 FWHM / FWTM 36.0° / 63.0°
 Efficiency 66 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



Light distribution files



LED LUXEON MZ
 FWHM / FWTM 36.0° / 63.0°
 Efficiency 66 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14734_FLORENTINA-2X2-SHD



Light distribution files

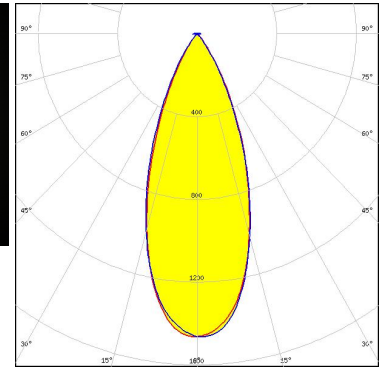
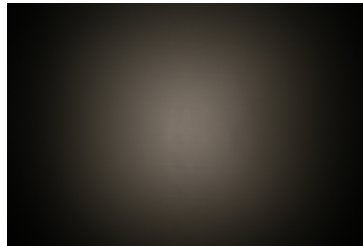


LED LUXEON TX
 FWHM / FWTM 41.0° / 67.0°
 Efficiency 76 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN

OPTICAL RESULTS (MEASURED):



LED LUXEON TX
 FWHM / FWTM 41.0° / 67.0°
 Efficiency 76 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14734_FLORENTINA-2X2-SHD



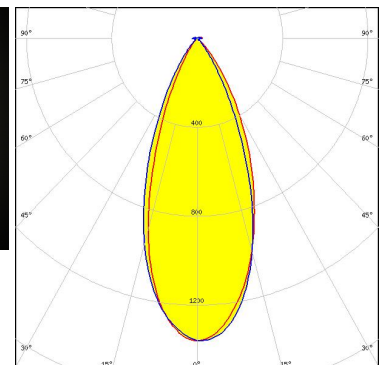
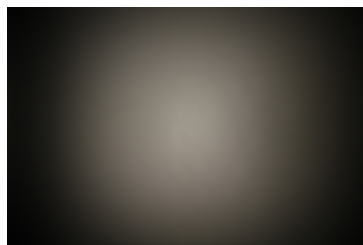
Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 42.0° / 71.0°
 Efficiency 80 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 42.0° / 71.0°
 Efficiency 80 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14734_FLORENTINA-2X2-SHD

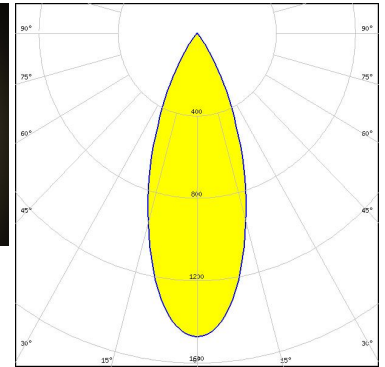
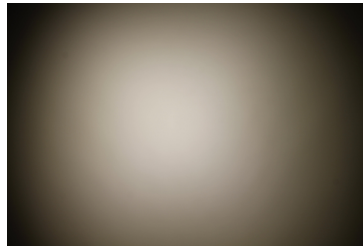


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

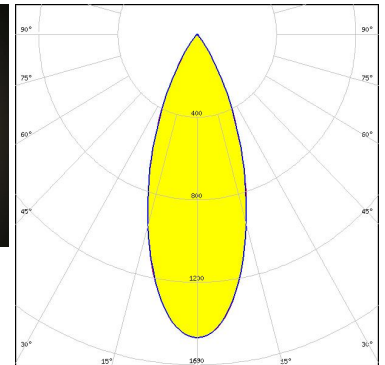
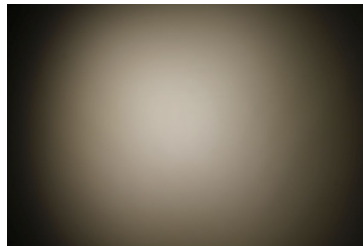
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 35.0° / 65.0°
Efficiency 69 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14734_FLORENTINA-2X2-SHD



Light distribution files

OSRAM
Opto Semiconductors

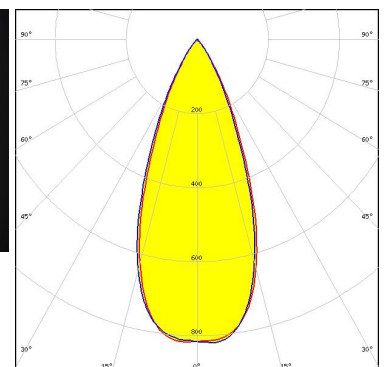
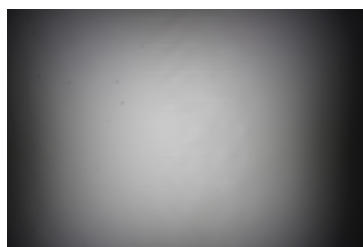
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 35.0° / 66.0°
Efficiency 72 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



Light distribution files

SAMSUNG

LED HiLOM SC16 (LH181B)
FWHM / FWTM 42.0° / 68.0°
Efficiency 49 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14734_FLORENTINA-2X2-SHD

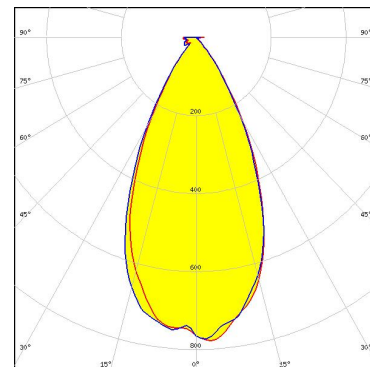


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED	LUXEON XR-7070 (L224-xxxx004MLU010)
FWHM / FWTM	50.0° / 78.0°
Efficiency	63 %
Peak intensity	0.8 cd/Im
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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