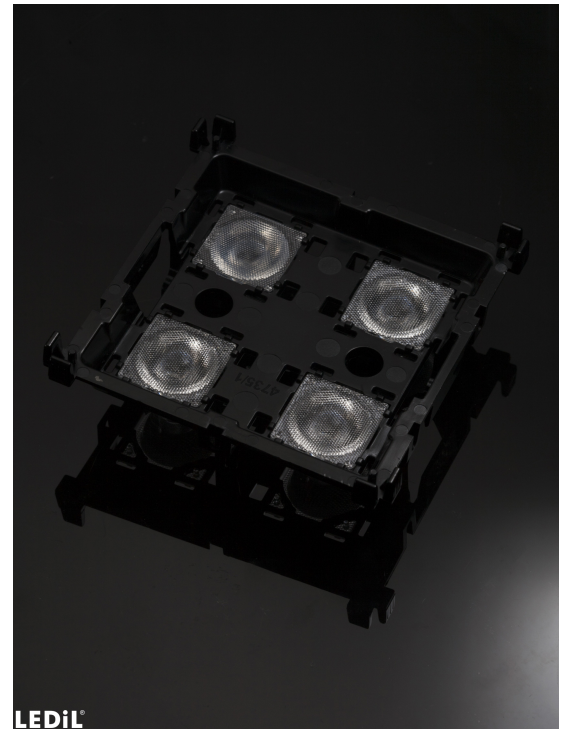


FLORENTINA-2X2-MRK-M

~40° medium 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 ⓘ

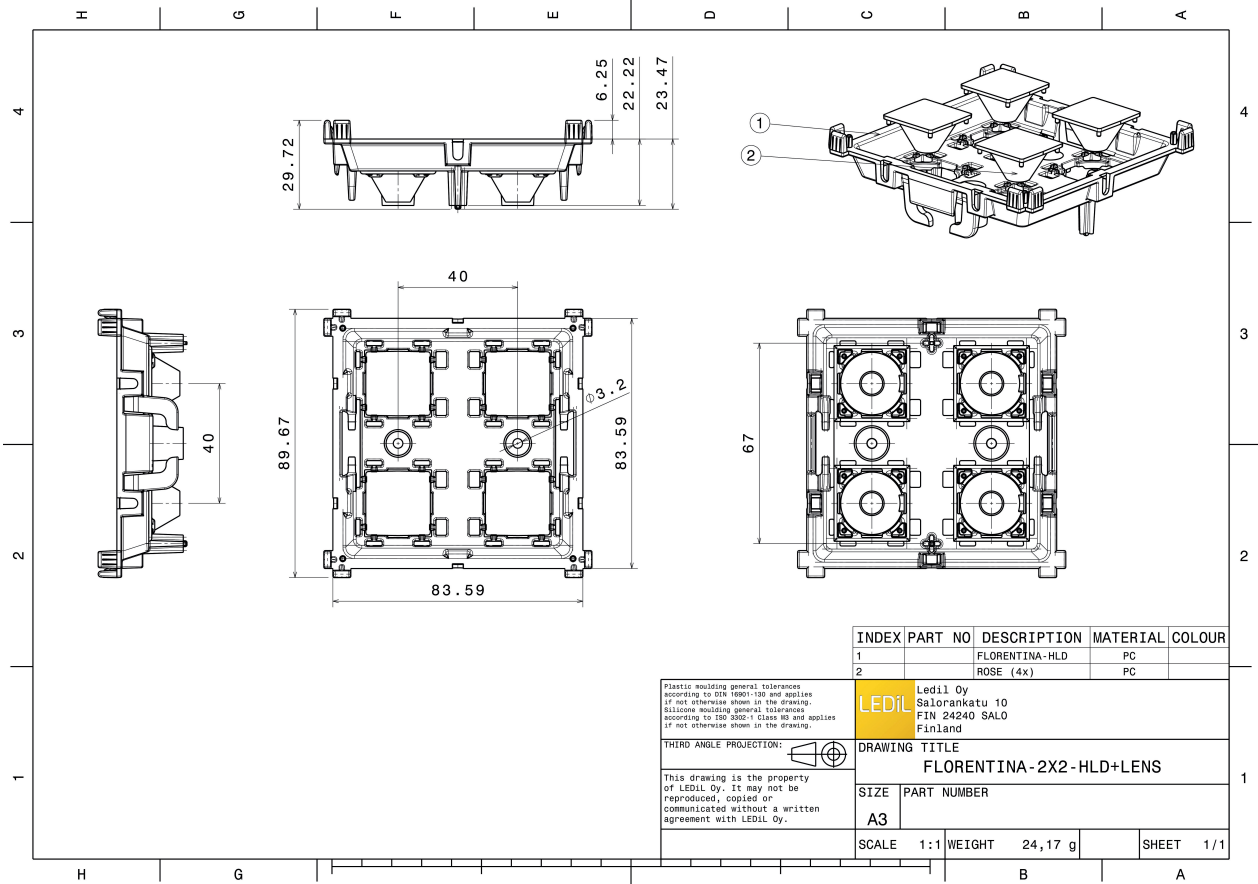


MATERIALS:

Component	Type	Material	Colour	Finish	Length
ROSE-MRK-M	Single lens	PC	clear		21.6
FLORENTINA-2X2-HLD	Holder	PC	black		89.7

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FCP15705_FLORENTINA-2X2-MRK-M	Single lens	88	24	8	4.2
» Box size: 476 x 273 x 292 mm					



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

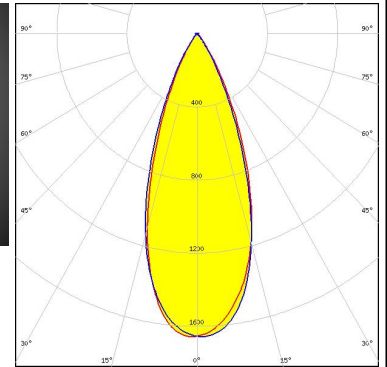
OPTICAL RESULTS (MEASURED):



LED XHP35 HD
FWHM / FWTM 39.0° / 64.0°
Efficiency 79 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C15196_FLORENTINA-2X2-SHD-OPEN



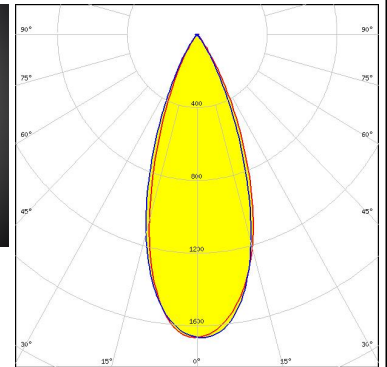
Light distribution files



LED XHP35 HD
FWHM / FWTM 39.0° / 64.0°
Efficiency 79 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C14734_FLORENTINA-2X2-SHD



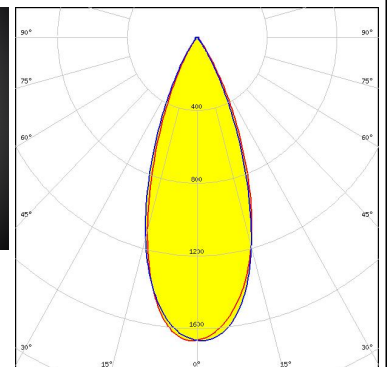
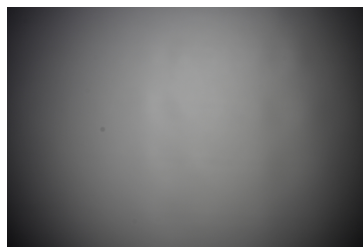
Light distribution files



LED XHP35 HD
FWHM / FWTM 39.0° / 65.0°
Efficiency 82 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C14960_FLORENTINA-2X2-SHD-WHT

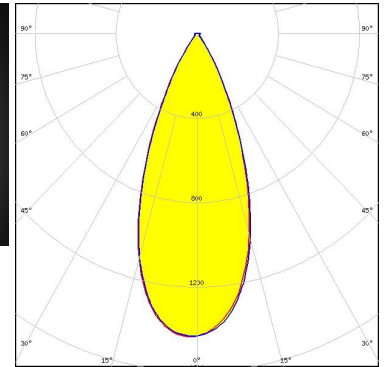
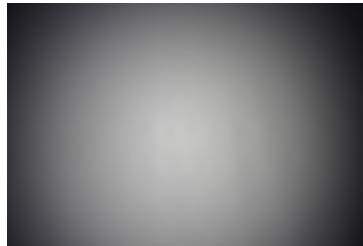


Light distribution files

OPTICAL RESULTS (MEASURED):



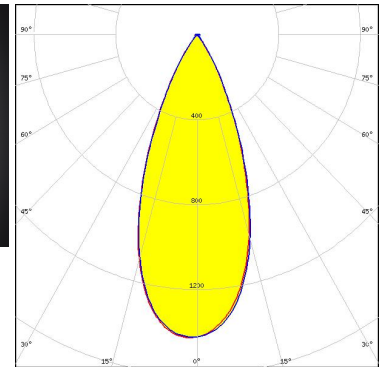
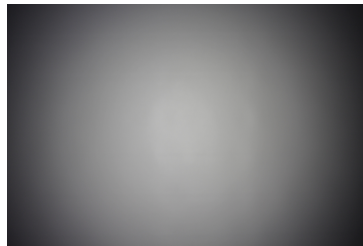
LED XHP50
FWHM / FWTM 41.0° / 67.0°
Efficiency 80 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



Light distribution files



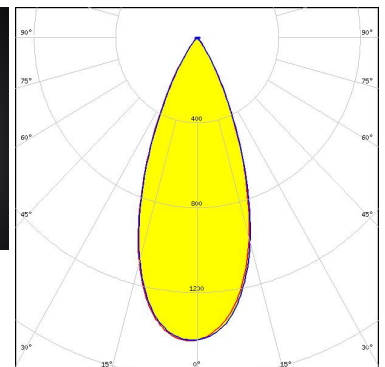
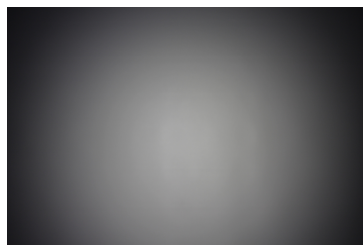
LED XHP50
FWHM / FWTM 41.0° / 66.0°
Efficiency 76 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



Light distribution files



LED XHP50
FWHM / FWTM 41.0° / 66.0°
Efficiency 76 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14734_FLORENTINA-2X2-SHD

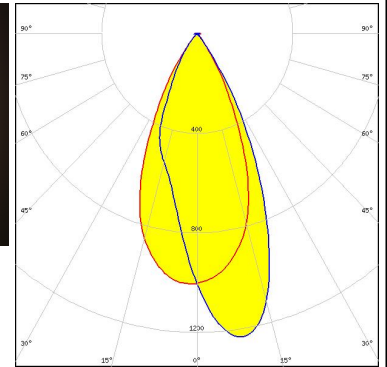
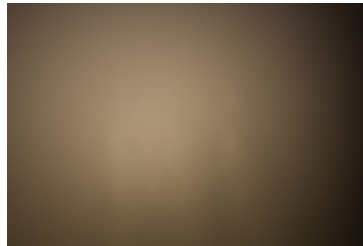


Light distribution files

OPTICAL RESULTS (MEASURED):



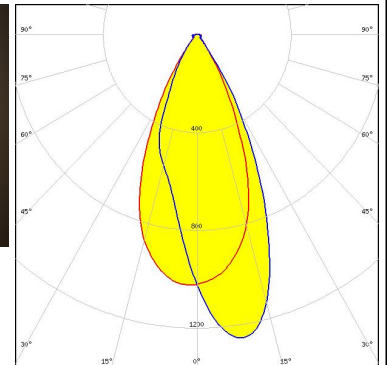
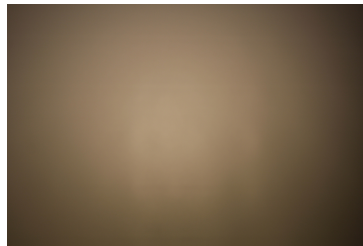
LED XHP70
FWHM / FWTM 48.0° / 71.0°
Efficiency 69 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C14734_FLORENTINA-2X2-SHD



Light distribution files



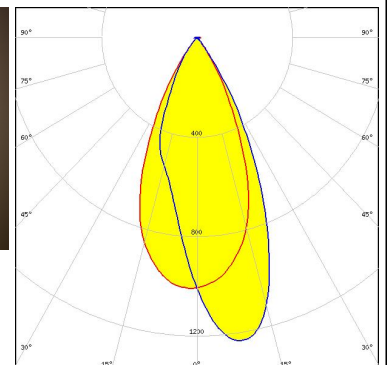
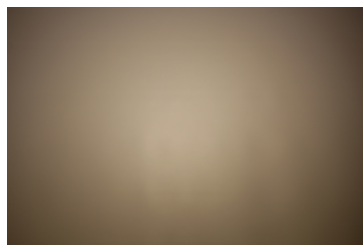
LED XHP70
FWHM / FWTM 48.0° / 73.0°
Efficiency 77 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



Light distribution files



LED XHP70
FWHM / FWTM 48.0° / 71.0°
Efficiency 70 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN

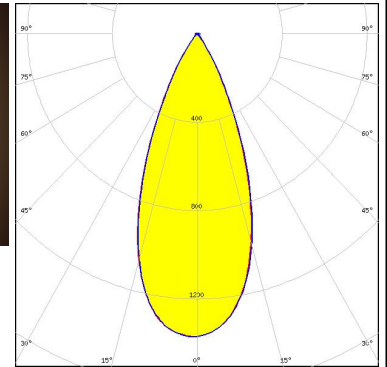
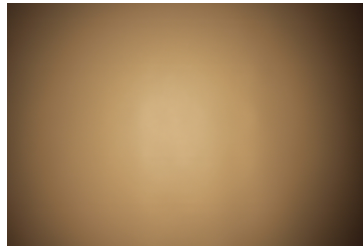


Light distribution files

OPTICAL RESULTS (MEASURED):



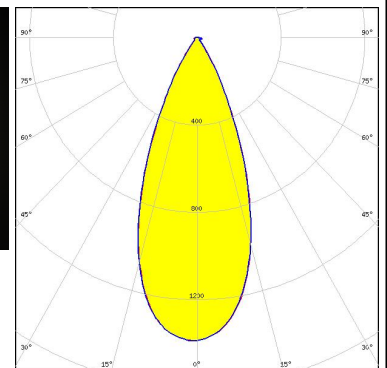
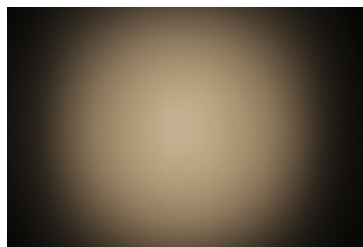
LED LUXEON M/MX
 FWHM / FWTM 42.0° / 66.0°
 Efficiency 74 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14734_FLORENTINA-2X2-SHD



Light distribution files



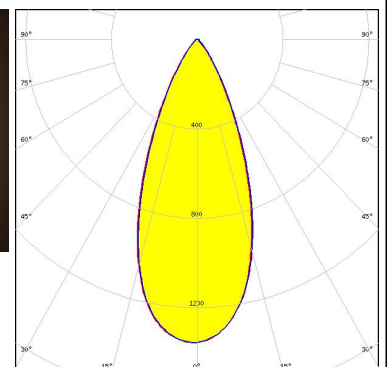
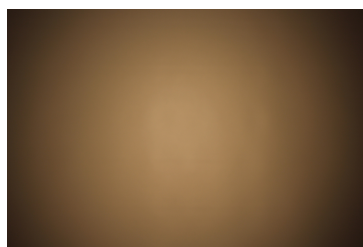
LED LUXEON M/MX
 FWHM / FWTM 42.0° / 66.0°
 Efficiency 79 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



Light distribution files



LED LUXEON M/MX
 FWHM / FWTM 43.0° / 72.0°
 Efficiency 82 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

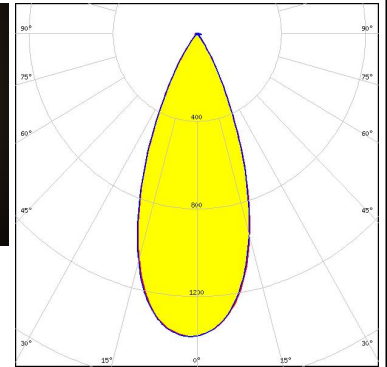
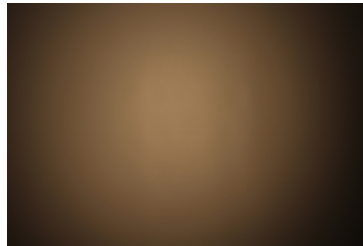
OPTICAL RESULTS (MEASURED):



LED LUXEON M/MX
 FWHM / FWTM 41.0° / 66.0°
 Efficiency 74 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C15196_FLORENTINA-2X2-SHD-OPEN



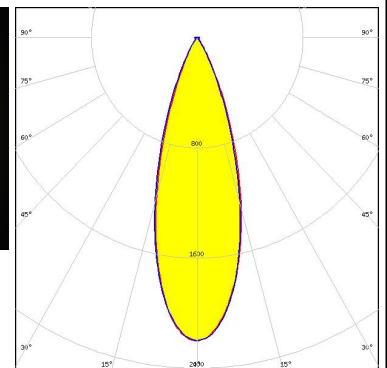
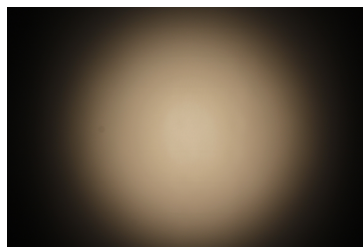
Light distribution files



LED LUXEON MZ
 FWHM / FWTM 33.0° / 56.0°
 Efficiency 81 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C14960_FLORENTINA-2X2-SHD-WHT



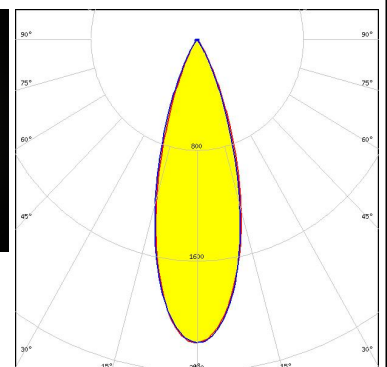
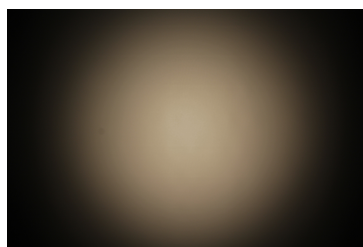
Light distribution files



LED LUXEON MZ
 FWHM / FWTM 33.0° / 56.0°
 Efficiency 77 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White

Required components:

C15196_FLORENTINA-2X2-SHD-OPEN

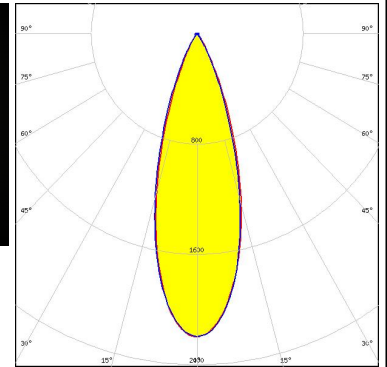


Light distribution files

OPTICAL RESULTS (MEASURED):



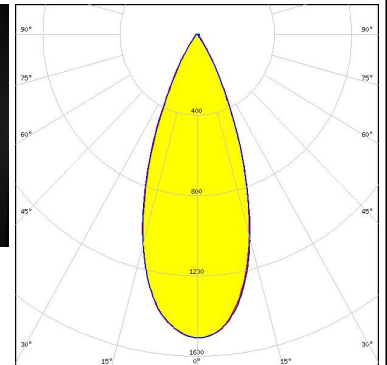
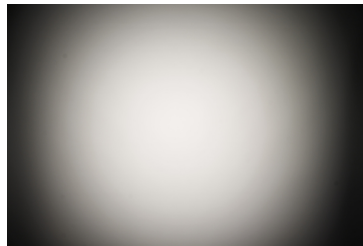
LED LUXEON MZ
FWHM / FWTM 33.0° / 56.0°
Efficiency 78 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C14734_FLORENTINA-2X2-SHD



Light distribution files



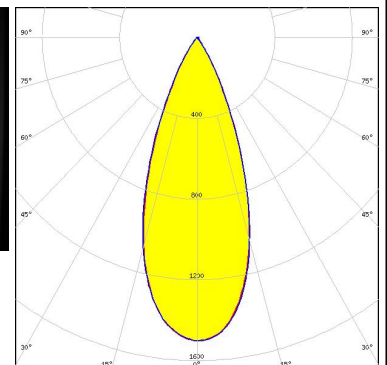
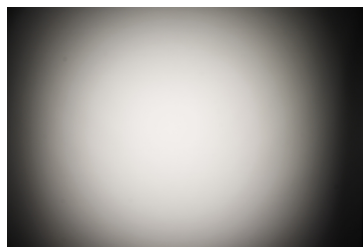
LED OSCONIQ P 7070
FWHM / FWTM 40.0° / 65.0°
Efficiency 75 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



Light distribution files



LED OSCONIQ P 7070
FWHM / FWTM 40.0° / 65.0°
Efficiency 71 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN

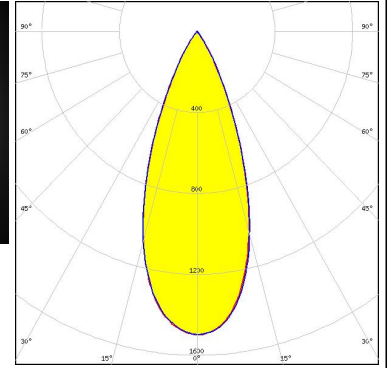


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSCONIQ P 7070
FWHM / FWTM 40.0° / 65.0°
Efficiency 70 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14734_FLORENTINA-2X2-SHD

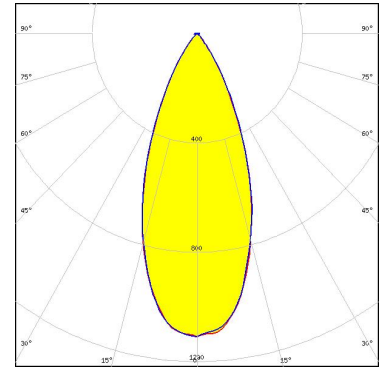


Light distribution files

OPTICAL RESULTS (SIMULATED):



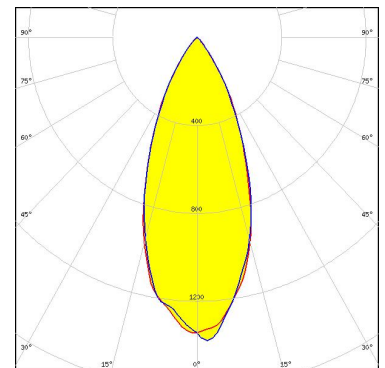
LED LUXEON 7070
FWHM / FWTM 42.0° / 71.0°
Efficiency 64 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C14734_FLORENTINA-2X2-SHD



Light distribution files



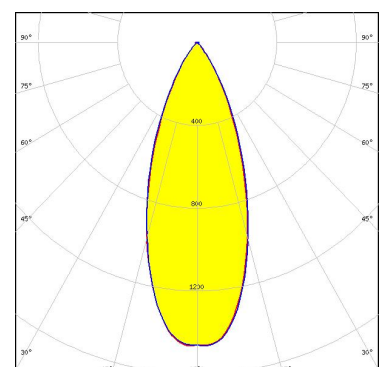
LED NV4x144A
FWHM / FWTM 42.0° / 72.0°
Efficiency 76 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C14734_FLORENTINA-2X2-SHD



Light distribution files



LED Duris S8
FWHM / FWTM 39.0° / 70.0°
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

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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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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

Local sales and technical support

[www.ledil.com/
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