

FLORENTINA-2X2-MRK-W

~50° wide 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 ⓘ

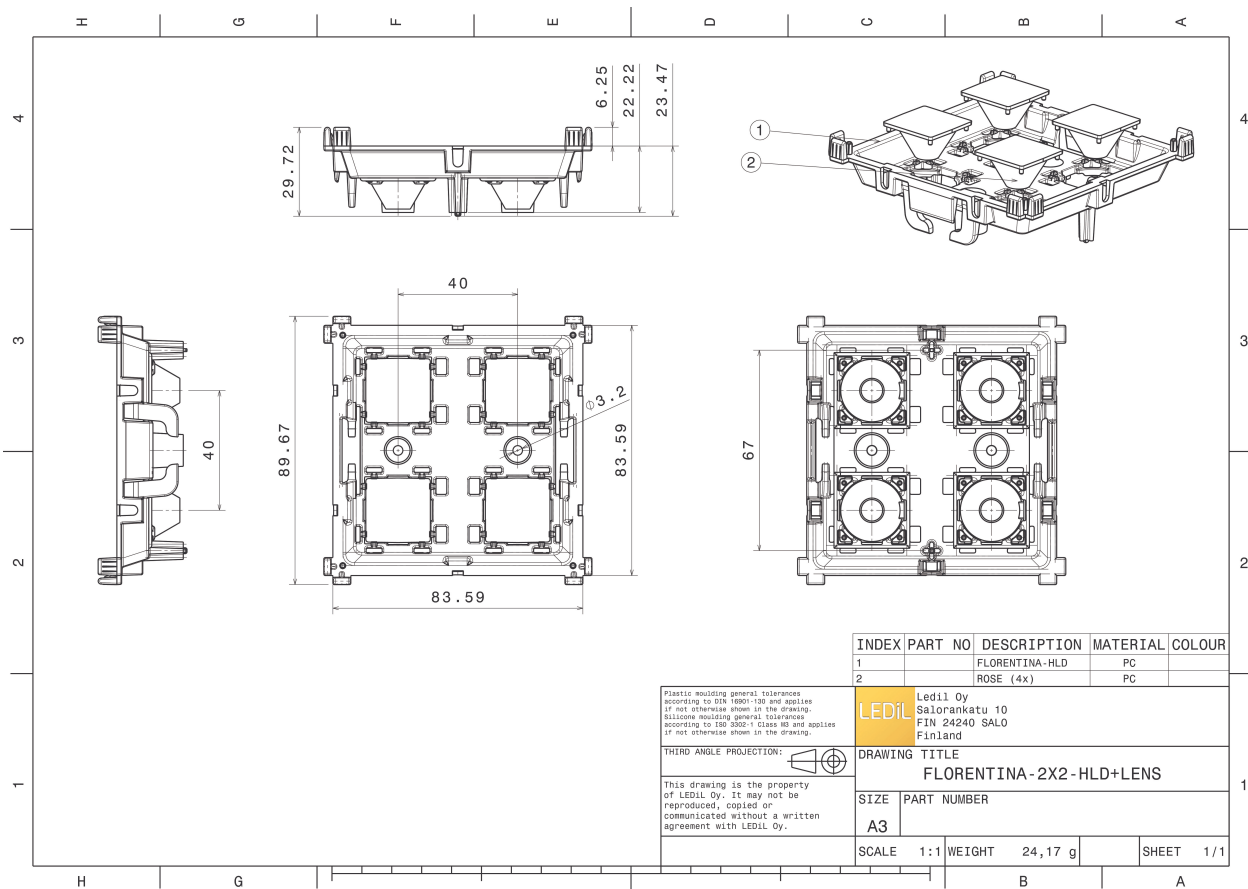
MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP15706_FLORENTINA-2X2-MRK-W	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

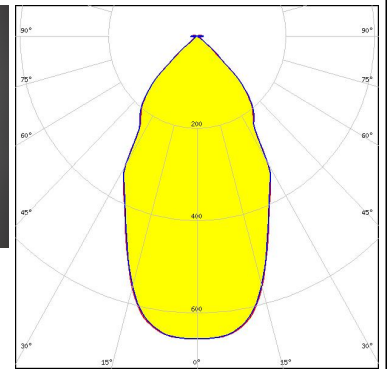
OPTICAL RESULTS (MEASURED):



LED XHP35 HD
FWHM / FWTM 57.0° / 96.0°
Efficiency 72 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

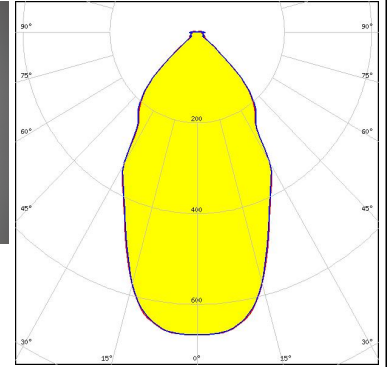
C15196_FLORENTINA-2X2-SHD-OPEN



LED XHP35 HD
FWHM / FWTM 58.0° / 97.0°
Efficiency 78 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

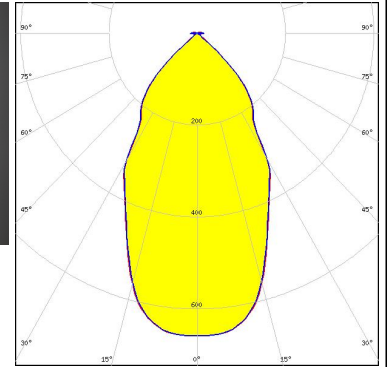
C14960_FLORENTINA-2X2-SHD-WHT



LED XHP35 HD
FWHM / FWTM 57.0° / 96.0°
Efficiency 72 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White

Required components:

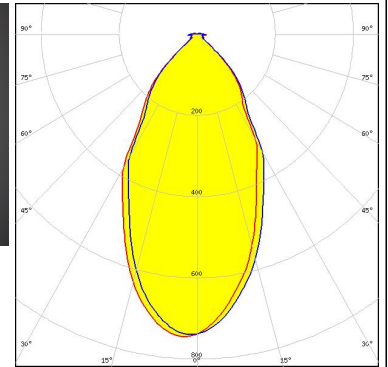
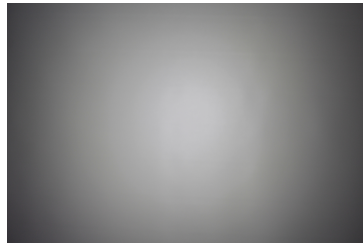
C14734_FLORENTINA-2X2-SHD



LED XHP50
FWHM / FWTM 54.0° / 96.0°
Efficiency 77 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:

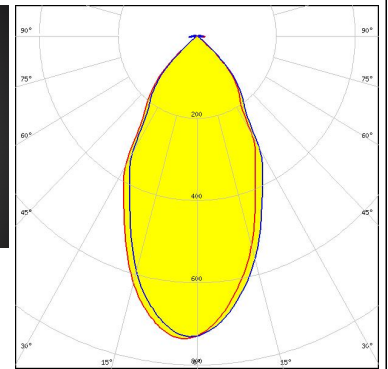
C14960_FLORENTINA-2X2-SHD-WHT



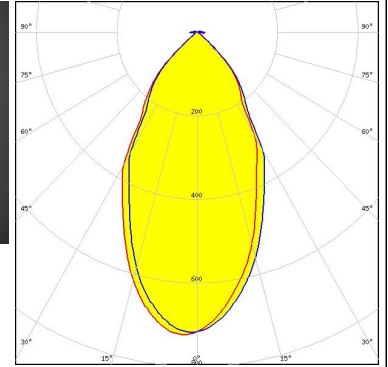
OPTICAL RESULTS (MEASURED):



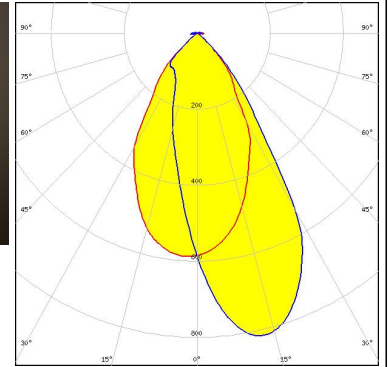
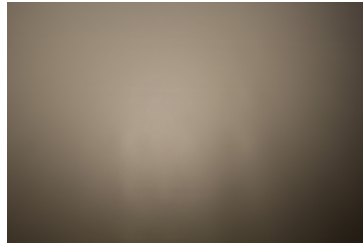
LED XHP50
FWHM / FWTM 53.0° / 94.0°
Efficiency 71 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14734_FLORENTINA-2X2-SHD



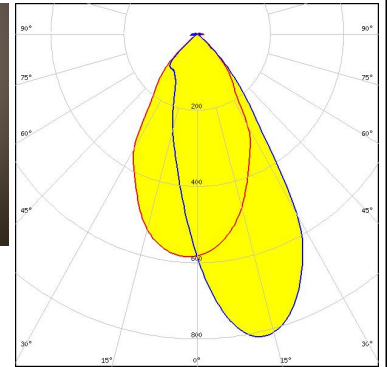
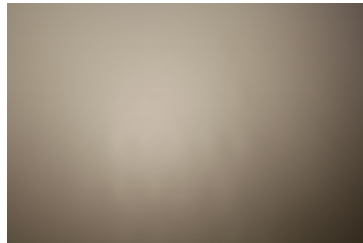
LED XHP50
FWHM / FWTM 54.0° / 95.0°
Efficiency 71 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



LED XHP70
FWHM / FWTM 61.0° / 94.0°
Efficiency 66 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14734_FLORENTINA-2X2-SHD



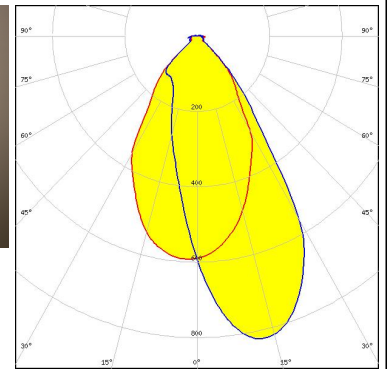
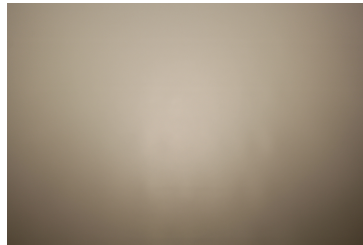
LED XHP70
FWHM / FWTM 61.0° / 94.0°
Efficiency 66 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



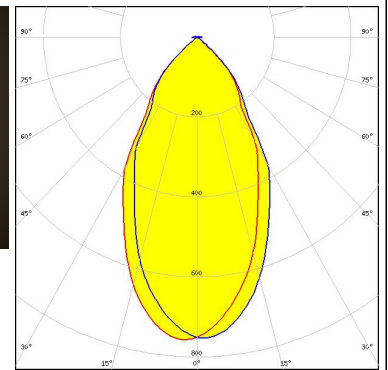
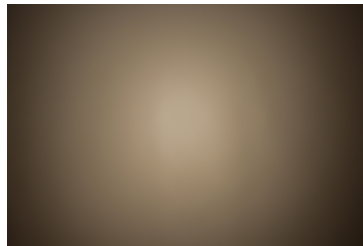
OPTICAL RESULTS (MEASURED):



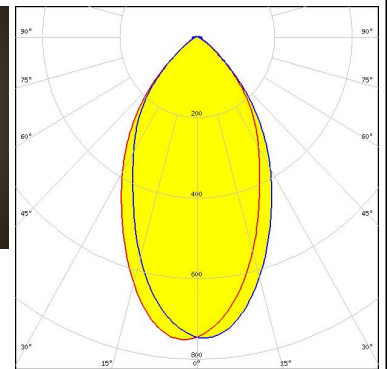
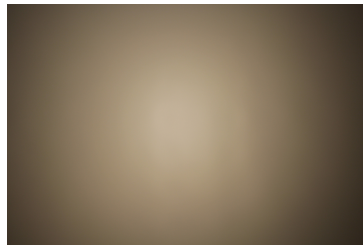
LED XHP70
FWHM / FWTM 63.0° / 96.0°
Efficiency 74 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



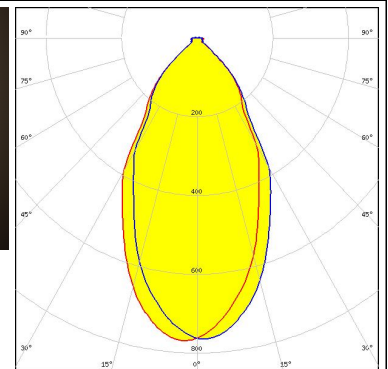
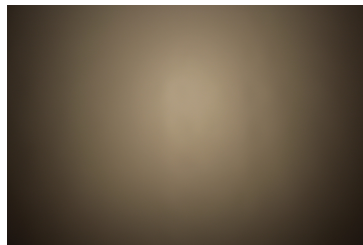
LED LUXEON M/MX
FWHM / FWTM 55.0° / 94.0°
Efficiency 71 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



LED LUXEON M/MX
FWHM / FWTM 56.0° / 101.0°
Efficiency 81 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



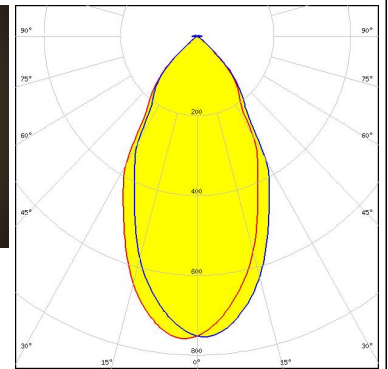
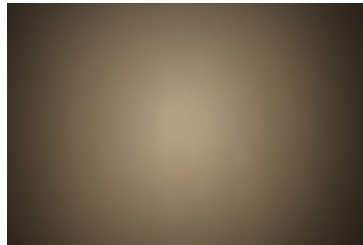
LED LUXEON M/MX
FWHM / FWTM 55.0° / 96.0°
Efficiency 78 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



OPTICAL RESULTS (MEASURED):

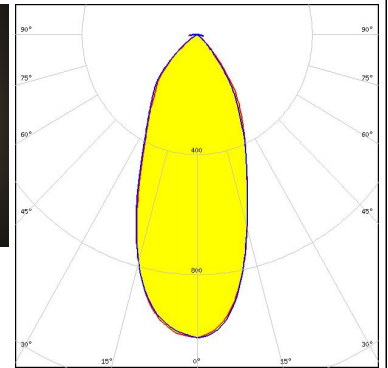
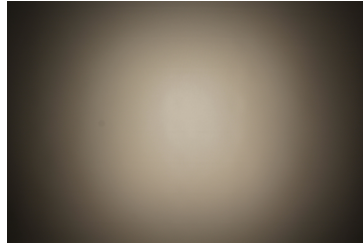
LUMILEDS

LED LUXEON M/MX
FWHM / FWTM 54.0° / 94.0°
Efficiency 71 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14734_FLORENTINA-2X2-SHD



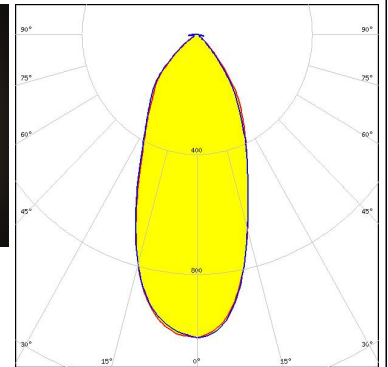
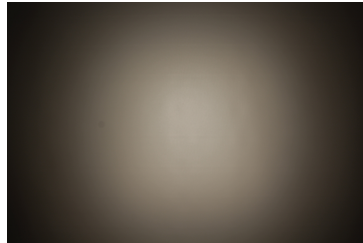
LUMILEDS

LED LUXEON MZ
FWHM / FWTM 43.0° / 91.0°
Efficiency 75 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15196_FLORENTINA-2X2-SHD-OPEN



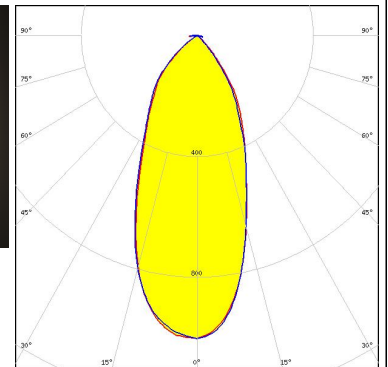
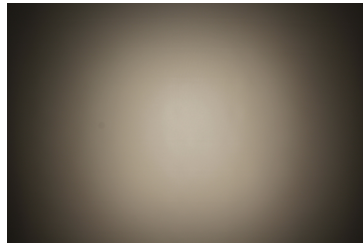
LUMILEDS

LED LUXEON MZ
FWHM / FWTM 44.0° / 92.0°
Efficiency 80 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14960_FLORENTINA-2X2-SHD-WHT



LUMILEDS

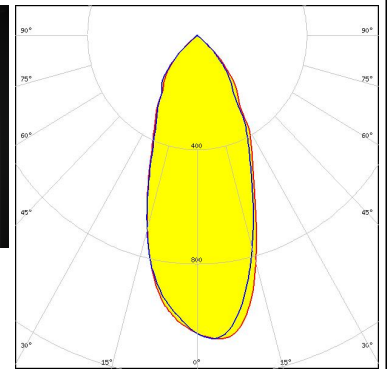
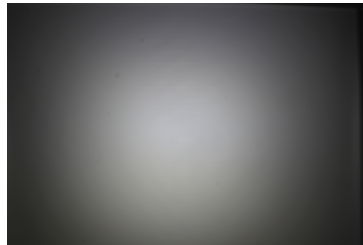
LED LUXEON MZ
FWHM / FWTM 43.0° / 91.0°
Efficiency 78 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14734_FLORENTINA-2X2-SHD



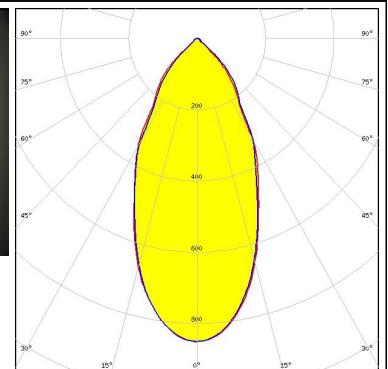
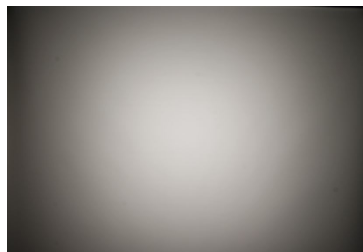
OPTICAL RESULTS (MEASURED):



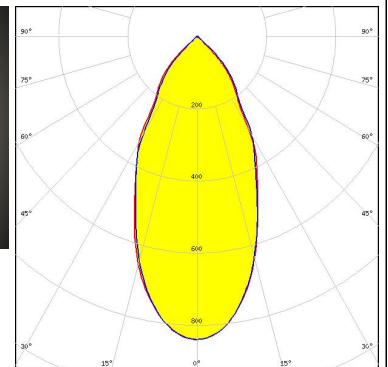
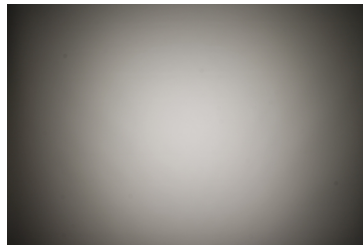
LED NF2x757G
 FWHM / FWTM 42.0° / 91.0°
 Efficiency 76 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



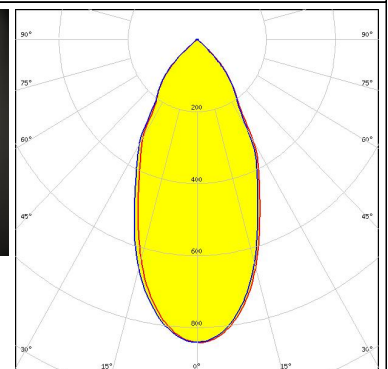
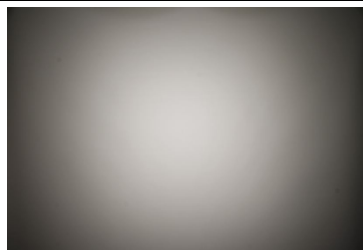
LED OSCONIQ P 7070
 FWHM / FWTM 50.0° / 95.0°
 Efficiency 74 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14960_FLORENTINA-2X2-SHD-WHT



LED OSCONIQ P 7070
 FWHM / FWTM 49.0° / 93.0°
 Efficiency 68 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14734_FLORENTINA-2X2-SHD



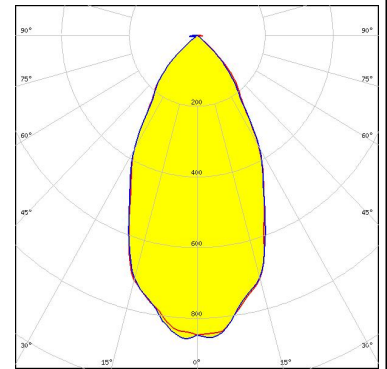
LED OSCONIQ P 7070
 FWHM / FWTM 49.0° / 93.0°
 Efficiency 68 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15196_FLORENTINA-2X2-SHD-OPEN



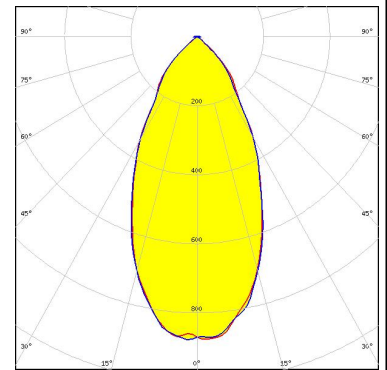
OPTICAL RESULTS (SIMULATED):



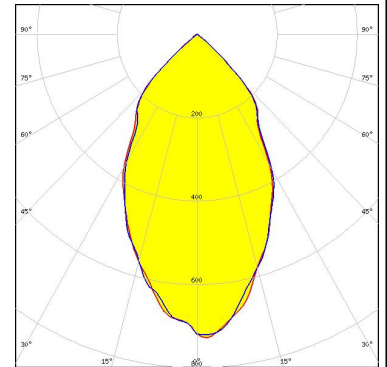
LED LUXEON 7070
FWHM / FWTM 54.0° / 94.0°
Efficiency 80 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14734_FLORENTINA-2X2-SHD



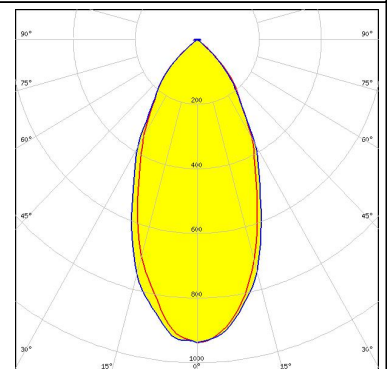
LED LUXEON 7070
FWHM / FWTM 51.0° / 94.0°
Efficiency 77 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14734_FLORENTINA-2X2-SHD



LED NV4x144A
FWHM / FWTM 60.0° / 99.0°
Efficiency 77 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14734_FLORENTINA-2X2-SHD



LED Duris S8
FWHM / FWTM 50.0° / 95.0°
Efficiency 81 %
Peak intensity 1 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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)