

## FLORENTINA-2X2-MRK-W

~50° wide beam. Compatible with ultra high power LEDs.

### TECHNICAL SPECIFICATIONS:

Dimensions	89.7 mm
Height	17.7 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

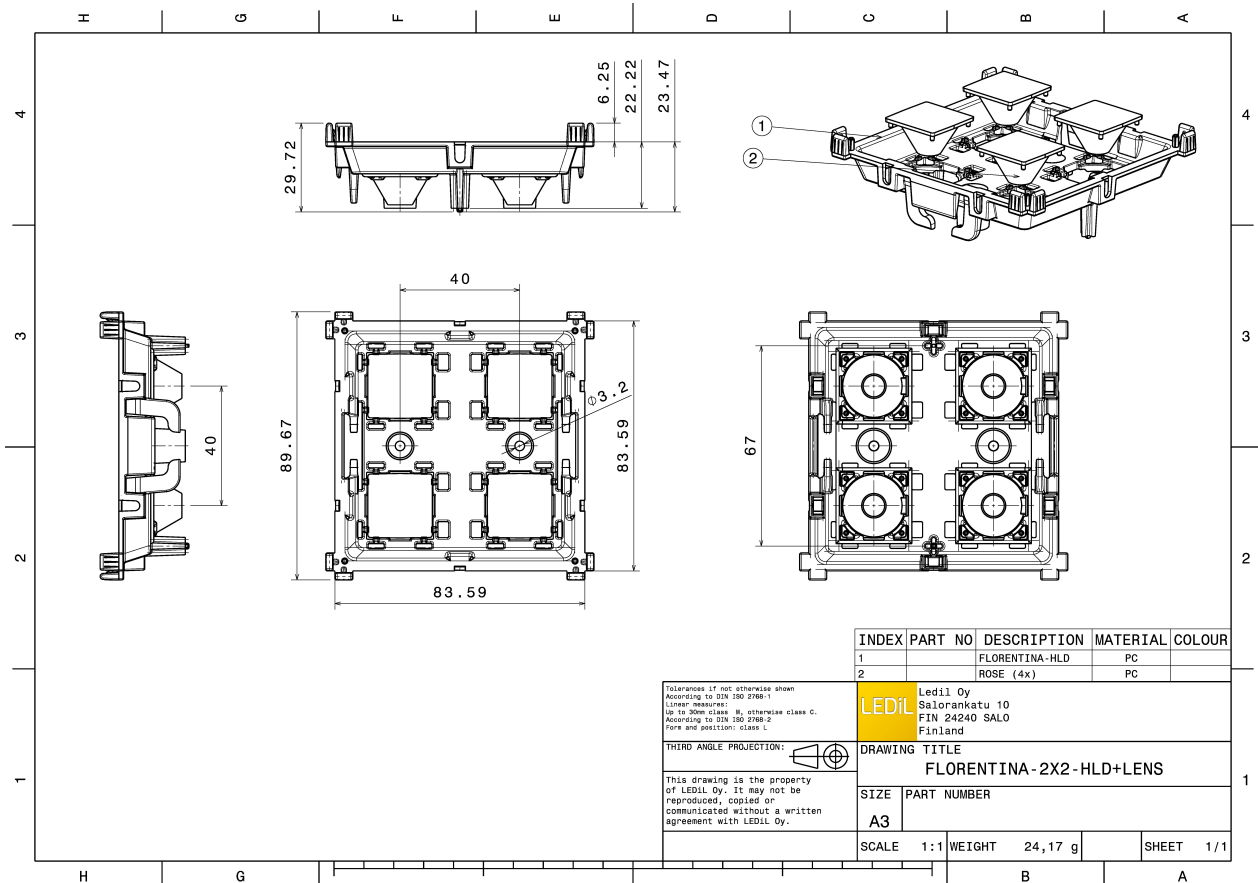
### MATERIAL SPECIFICATIONS:

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					

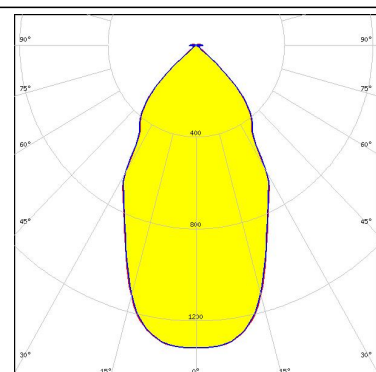
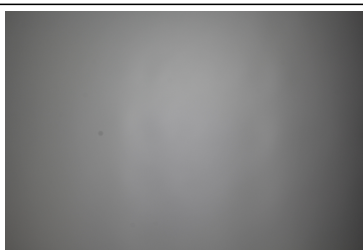




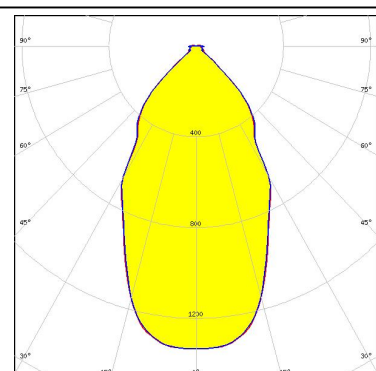
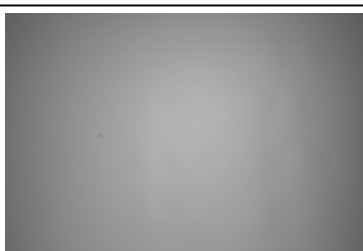
#### PHOTOMETRIC DATA (MEASURED):



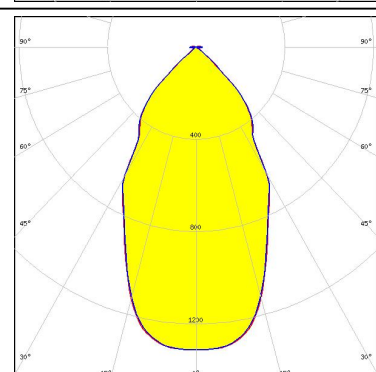
LED XHP35 HD  
FWHM 57.0°  
Efficiency 72 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



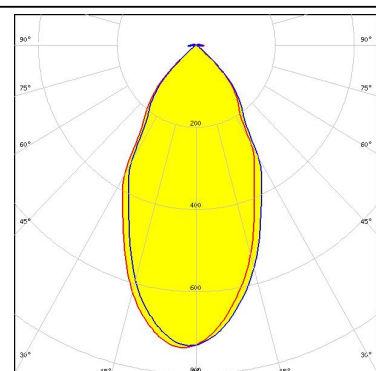
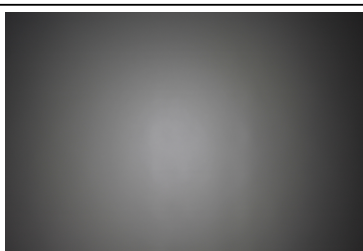
LED XHP35 HD  
FWHM 58.0°  
Efficiency 78 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



LED XHP35 HD  
FWHM 57.0°  
Efficiency 72 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



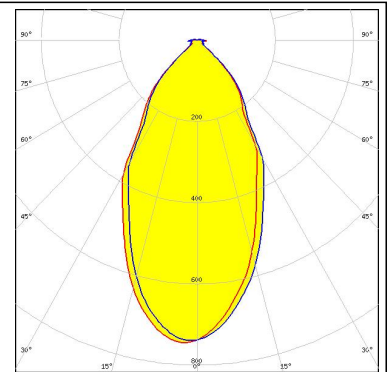
LED XHP50  
FWHM 53.0°  
Efficiency 71 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



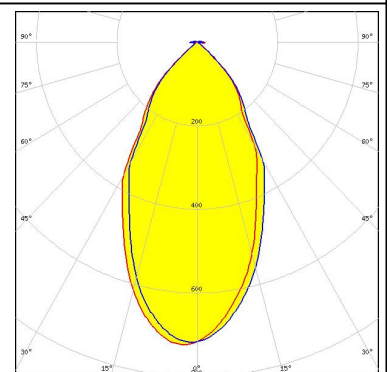
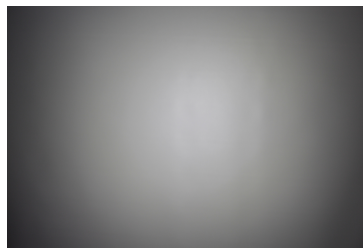
#### PHOTOMETRIC DATA (MEASURED):



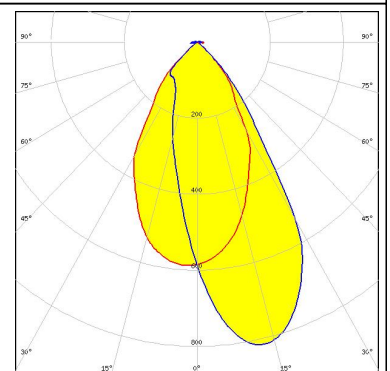
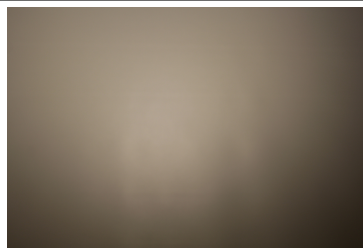
LED XHP50  
FWHM 54.0°  
Efficiency 77 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



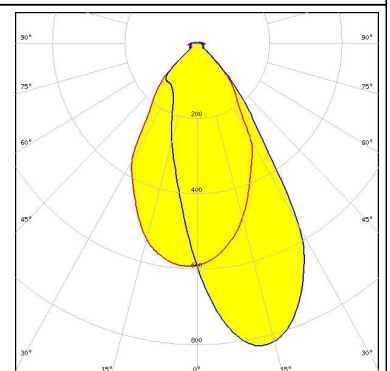
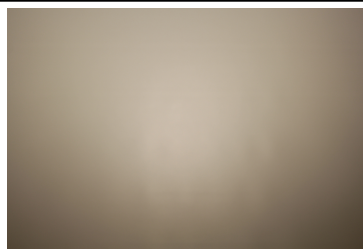
LED XHP50  
FWHM 54.0°  
Efficiency 71 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



LED XHP70  
FWHM 61.0°  
Efficiency 66 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



LED XHP70  
FWHM 63.0°  
Efficiency 74 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT

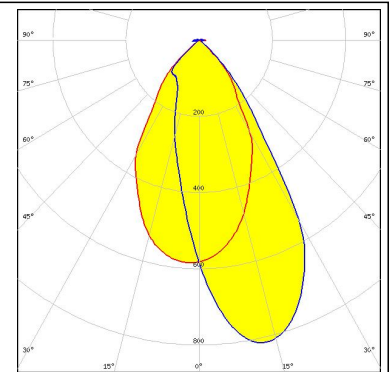
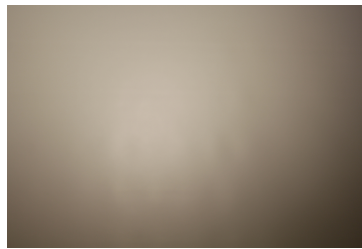




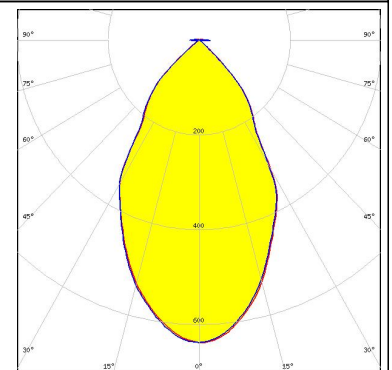
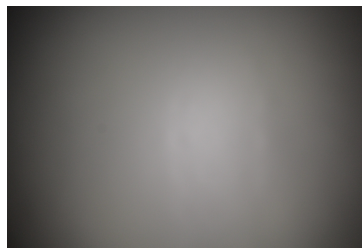
#### PHOTOMETRIC DATA (MEASURED):



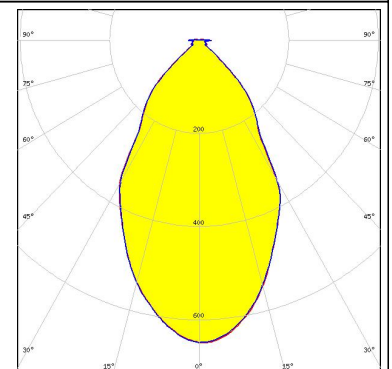
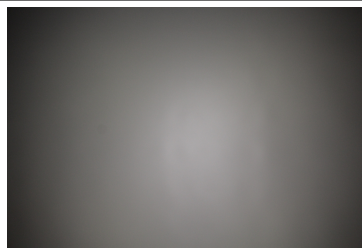
LED XHP70  
FWHM 61.0°  
Efficiency 66 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



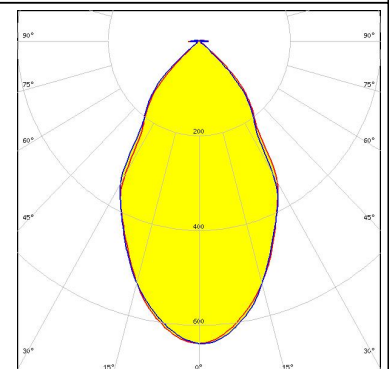
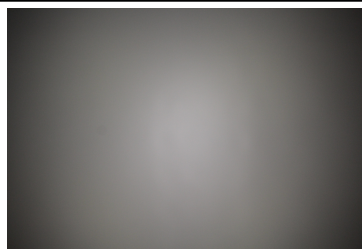
LED H70E0  
FWHM 61.0°  
Efficiency 69 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



LED H70E0  
FWHM 62.0°  
Efficiency 76 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



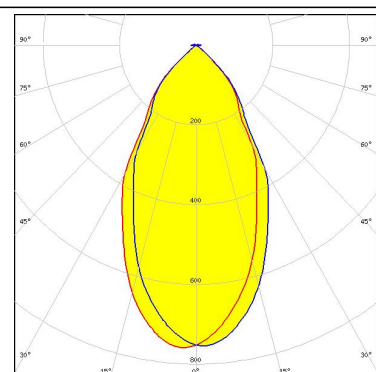
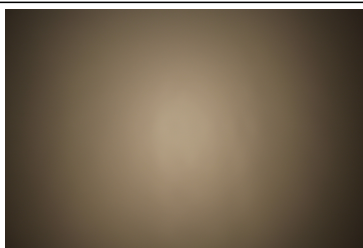
LED H70E0  
FWHM 61.0°  
Efficiency 69 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



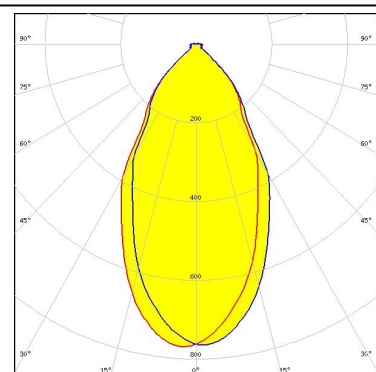
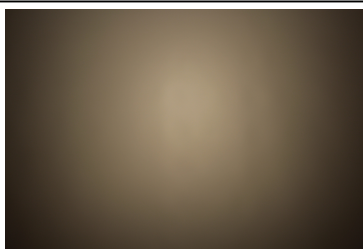
#### PHOTOMETRIC DATA (MEASURED):



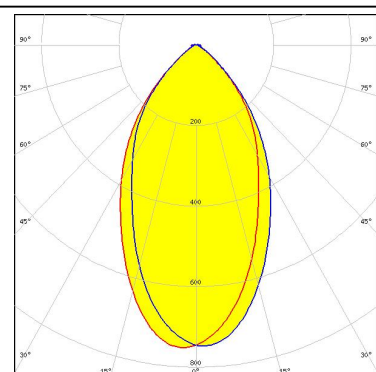
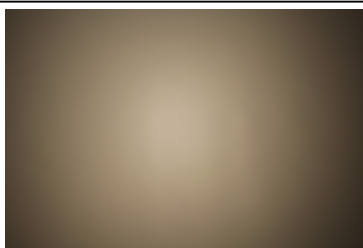
LED LUXEON M/MX  
FWHM 54.0°  
Efficiency 71 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



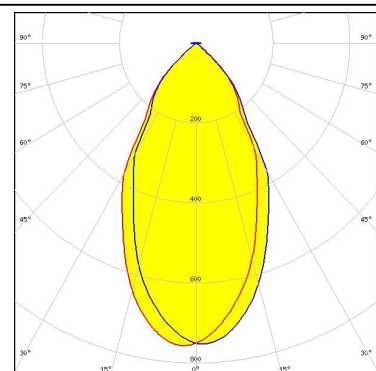
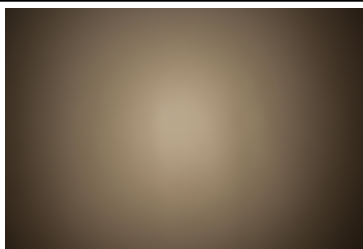
LED LUXEON M/MX  
FWHM 55.0°  
Efficiency 78 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



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



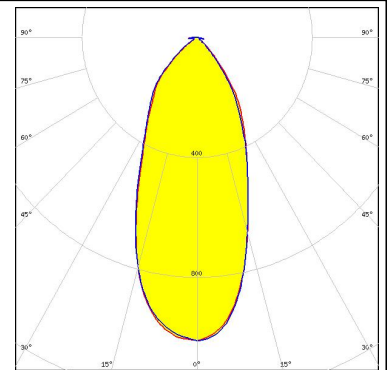
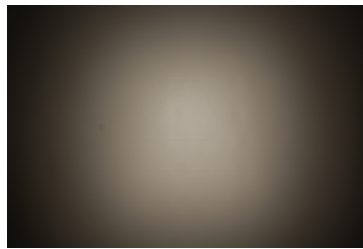
LED LUXEON M/MX  
FWHM 55.0°  
Efficiency 71 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



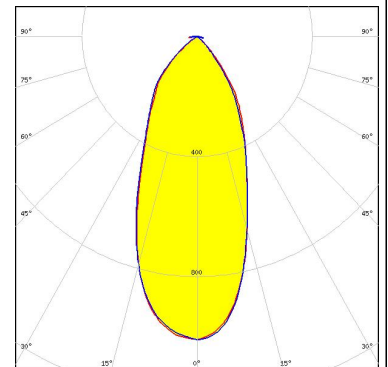
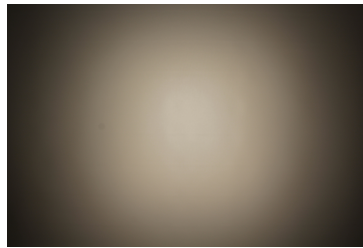
#### PHOTOMETRIC DATA (MEASURED):



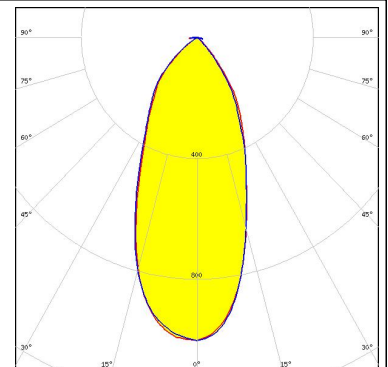
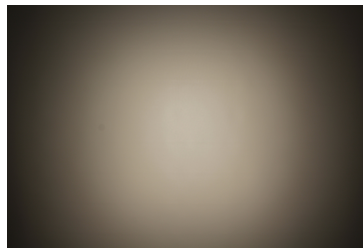
LED LUXEON MZ  
FWHM 44.0°  
Efficiency 80 %  
Peak intensity 1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



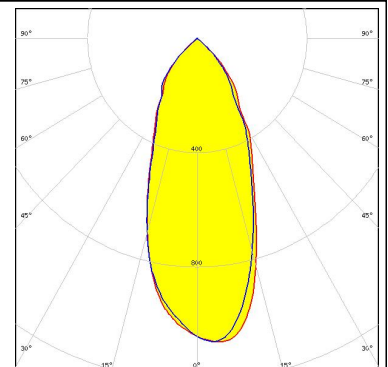
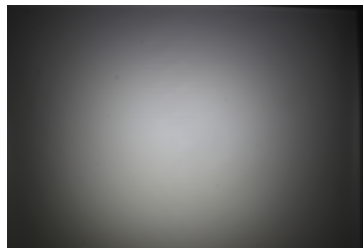
LED LUXEON MZ  
FWHM 43.0°  
Efficiency 75 %  
Peak intensity 1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



LED LUXEON MZ  
FWHM 43.0°  
Efficiency 78 %  
Peak intensity 1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



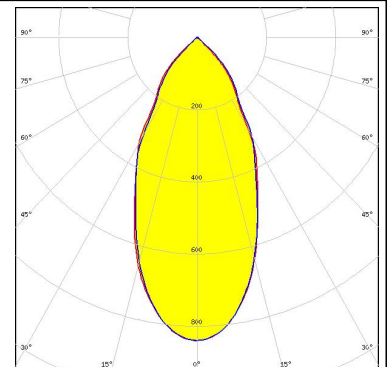
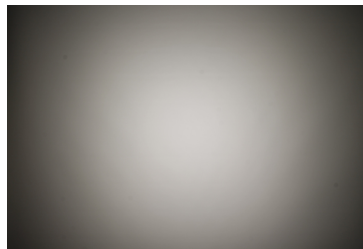
LED NF2x757G  
FWHM 42.0°  
Efficiency 76 %  
Peak intensity 1.1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



#### PHOTOMETRIC DATA (MEASURED):

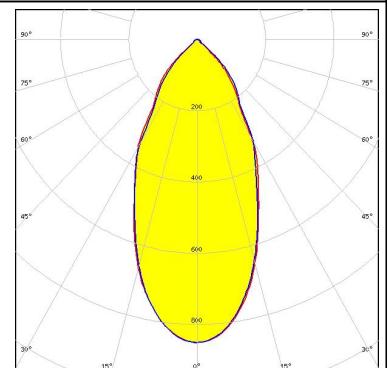
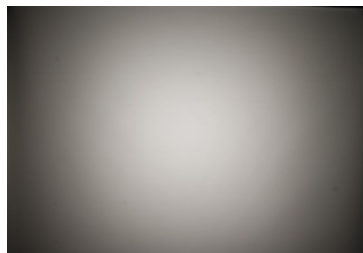
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 7070  
FWHM 49.0°  
Efficiency 68 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



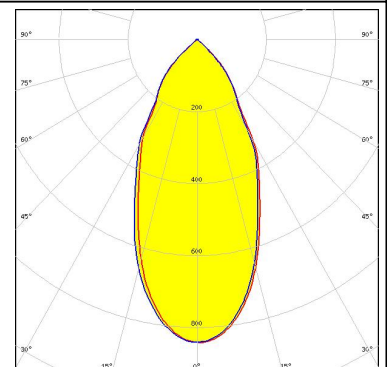
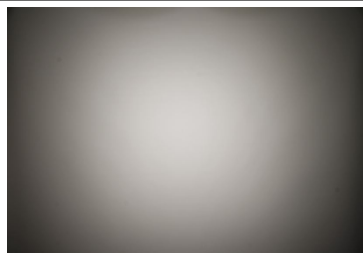
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 7070  
FWHM 50.0°  
Efficiency 74 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



**OSRAM**  
Opto Semiconductors

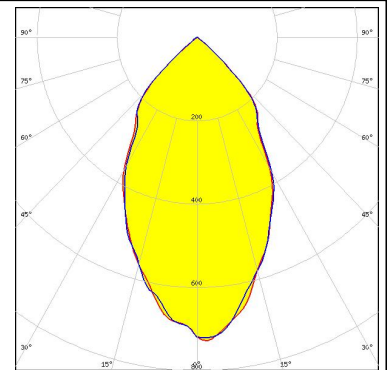
LED OSCONIQ P 7070  
FWHM 49.0°  
Efficiency 68 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



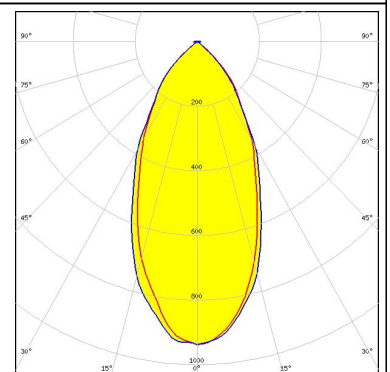
#### PHOTOMETRIC DATA (SIMULATED):



**LED** NV4x144A  
**FWHM** 60.0°  
**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** 50.0°  
**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

#### 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)