

## FLORENTINA-2X2-D

~18° diffused spot beam

### TECHNICAL SPECIFICATIONS:

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

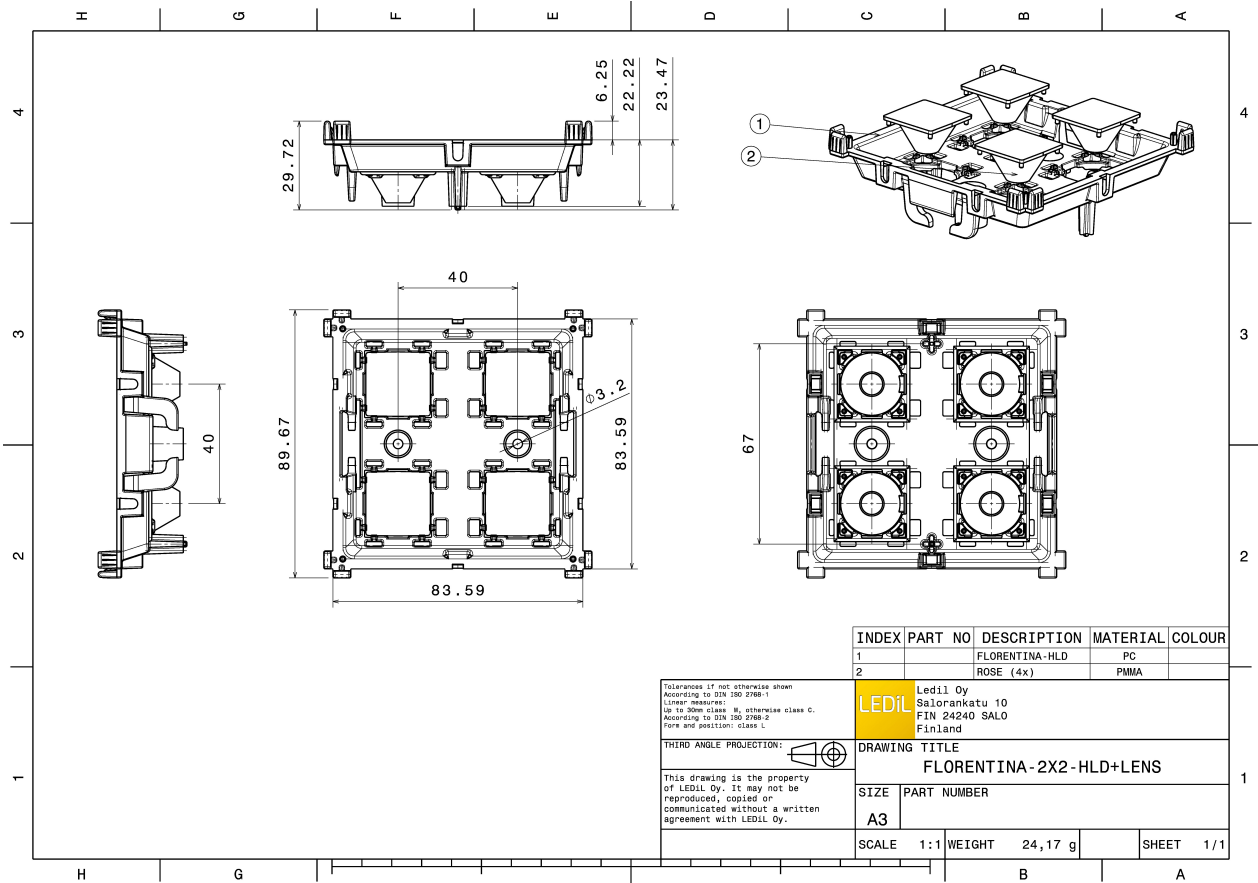
### MATERIAL SPECIFICATIONS:

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


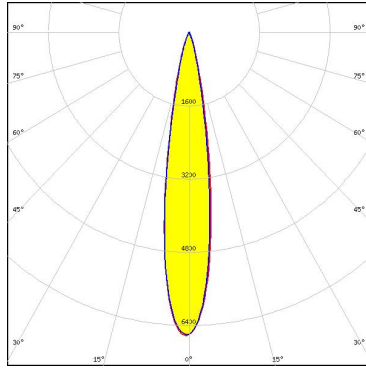
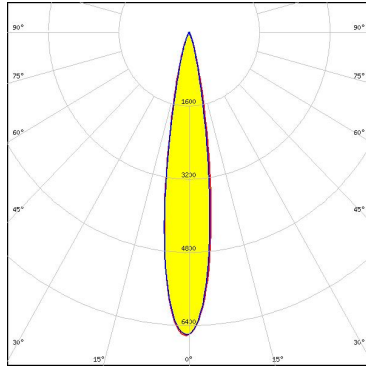


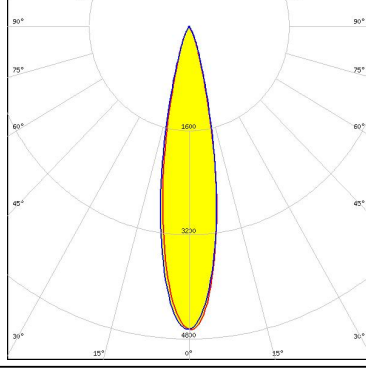


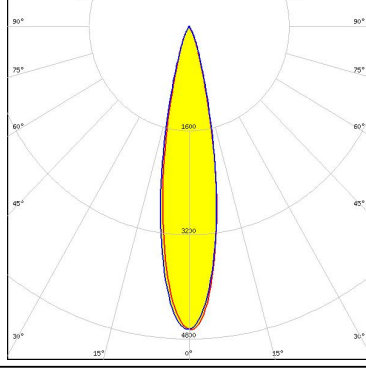





### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP14966_FLORENTINA-2X2-D	Single lens	88	24	8	4.3
» Box size: 476 x 273 x 292 mm					



#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED EASY-T FLUX 2x2 FLR XG xxx G7            FWHM 18.0°            Efficiency 83 %            Peak intensity 6.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p></p> <p>LED EASY-T FLUX 2x2 FLR XT xxx G5            FWHM 16.0°            Efficiency 84 %            Peak intensity 7.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p></p> <p>LED XHP35 HD            FWHM 21.0°            Efficiency 80 %            Peak intensity 4.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		
<p></p> <p>LED XHP35 HD            FWHM 21.0°            Efficiency 80 %            Peak intensity 4.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15196_FLORENTINA-2X2-SHD-OPEN</p>		

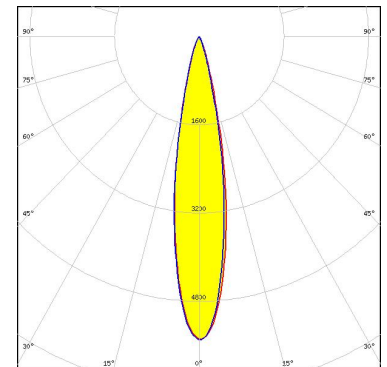
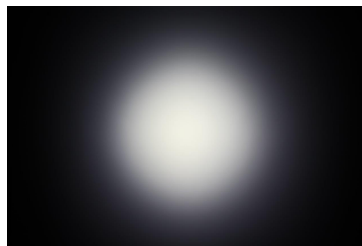
#### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XP-L HD  
FWHM 19.0°  
Efficiency 77 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT

#### CREE

LED XP-L HD  
FWHM 19.0°  
Efficiency 77 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD

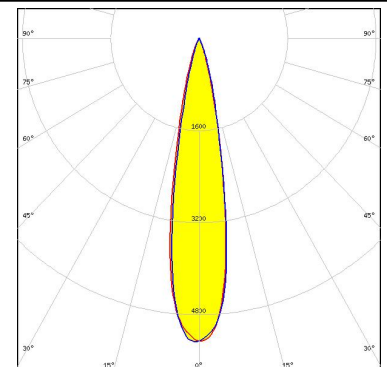


#### CREE


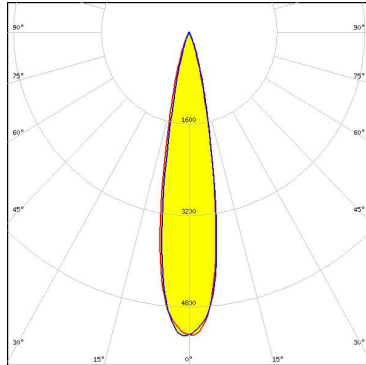
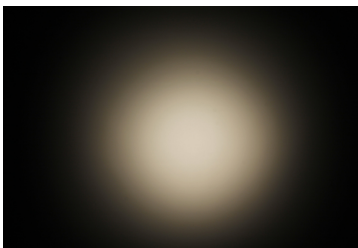
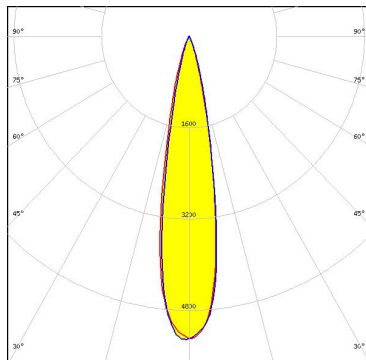
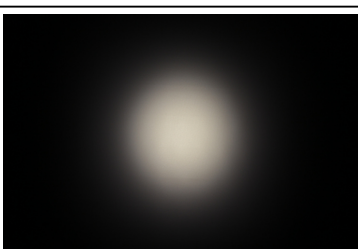
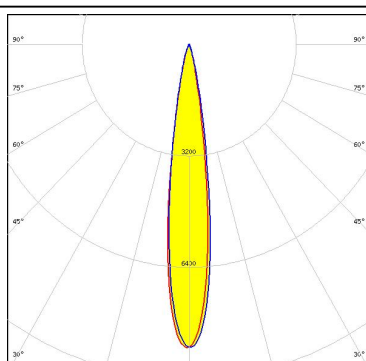
LED XP-L HD  
FWHM 19.0°  
Efficiency 77 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN

#### LUMILEDS

LED LUXEON MZ  
FWHM 20.0°  
Efficiency 78 %  
Peak intensity 5.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



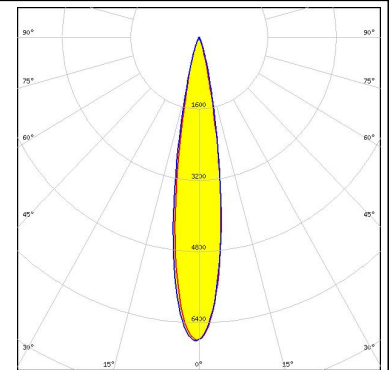
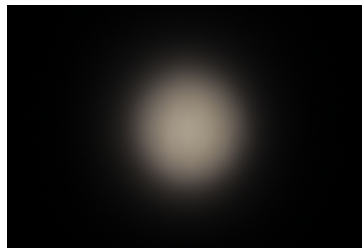
#### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON MZ            FWHM 20.0°            Efficiency 80 %            Peak intensity 5.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14960_FLORENTINA-2X2-SHD-WHT</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON MZ            FWHM 20.0°            Efficiency 78 %            Peak intensity 5.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON TX            FWHM 15.0°            Efficiency 82 %            Peak intensity 8.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14734_FLORENTINA-2X2-SHD</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON TX            FWHM 15.0°            Efficiency 82 %            Peak intensity 8.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15196_FLORENTINA-2X2-SHD-OPEN</p>		

#### PHOTOMETRIC DATA (MEASURED):



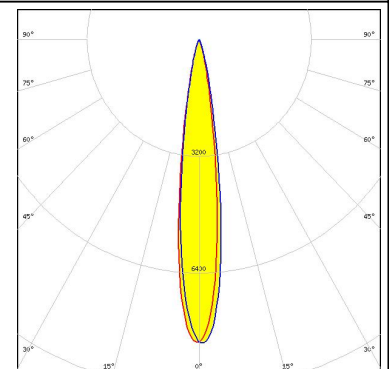
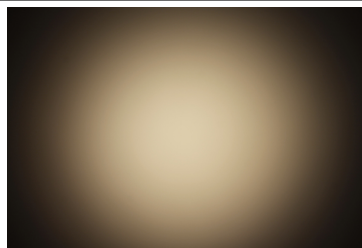
**LED** NVSxx19B/NVSxx19C  
**FWHM** 18.0°  
**Efficiency** 81 %  
**Peak intensity** 6.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14734\_FLORENTINA-2X2-SHD



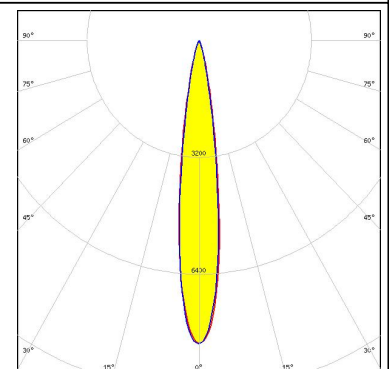
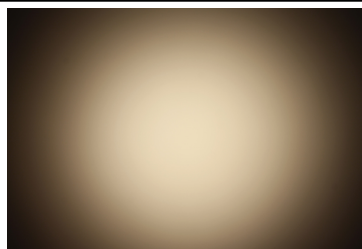
**LED** NVSxx19B/NVSxx19C  
**FWHM** 18.0°  
**Efficiency** 81 %  
**Peak intensity** 6.8 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C15196\_FLORENTINA-2X2-SHD-OPEN



**LED** OSLOM Square CSSRM2/CSSRM3  
**FWHM** 15.0°  
**Efficiency** 76 %  
**Peak intensity** 8.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14734\_FLORENTINA-2X2-SHD



**LED** OSLOM Square CSSRM2/CSSRM3  
**FWHM** 15.0°  
**Efficiency** 77 %  
**Peak intensity** 8.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14960\_FLORENTINA-2X2-SHD-WHT



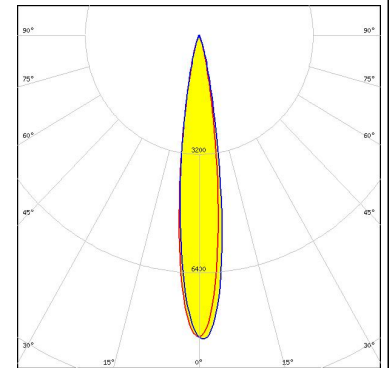
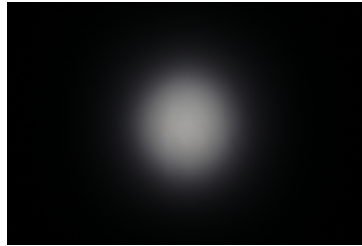


#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

LED OSLO Square EC  
FWHM 15.0°  
Efficiency 81 %  
Peak intensity 8.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14734\_FLORENTINA-2X2-SHD



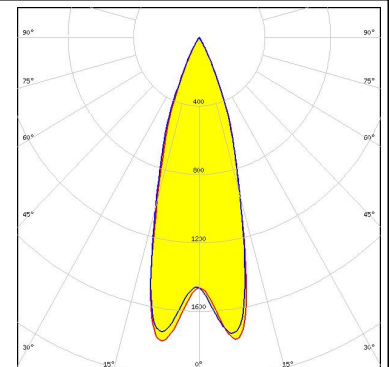
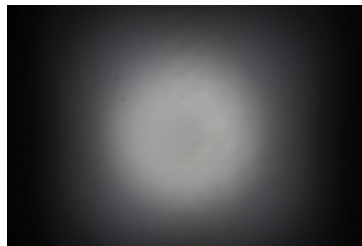
#### OSRAM

Opto Semiconductors

LED OSLO Square EC  
FWHM 15.0°  
Efficiency 81 %  
Peak intensity 8.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN

#### SAMSUNG

LED HiLOM SC16 (LH181B)  
FWHM 32.0°  
Efficiency 65 %  
Peak intensity 1.8 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)