

## FLORENTINA-2X2-D

~18° diffused spot beam

## SPECIFICATION:

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

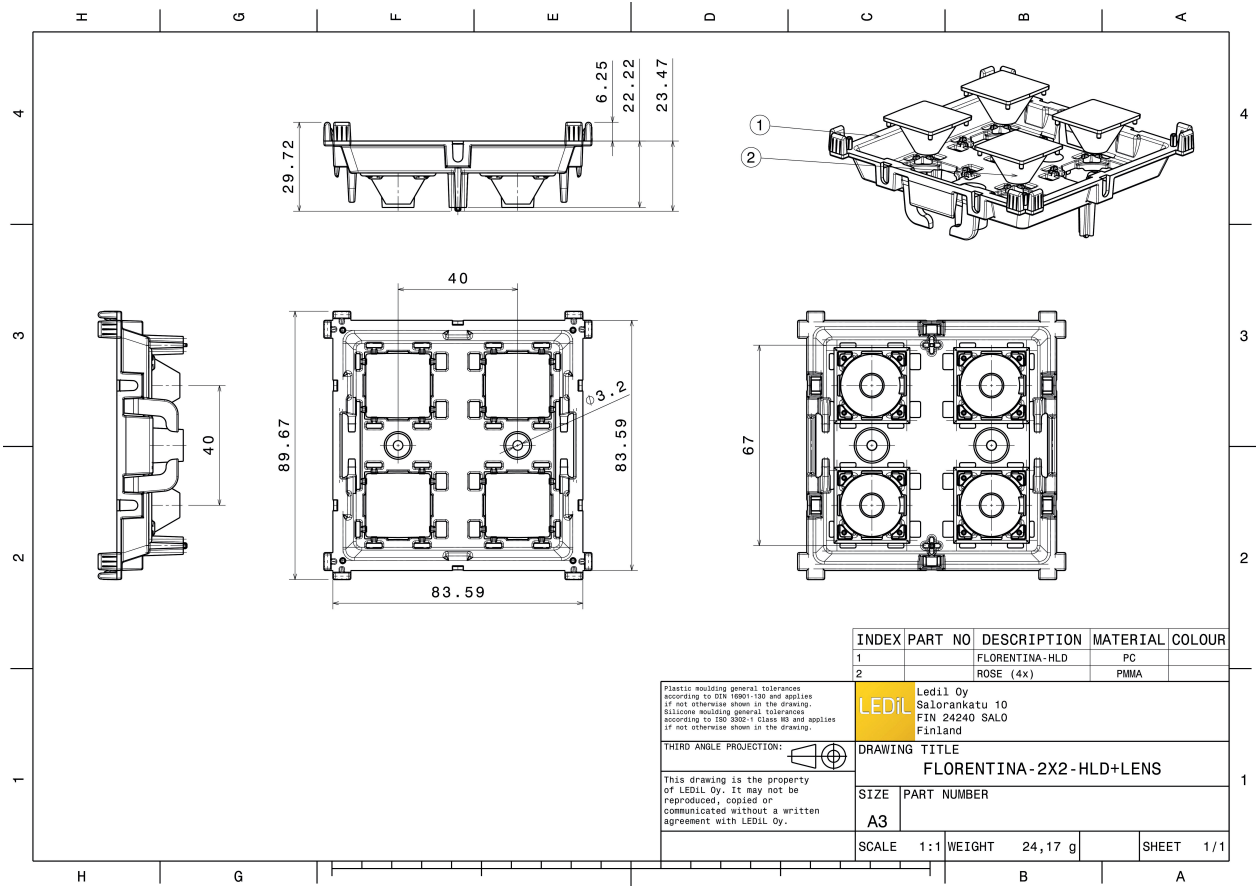
## MATERIALS:

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



## 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 |             |            |     |     |                 |

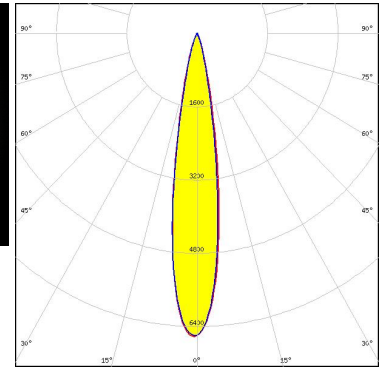


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



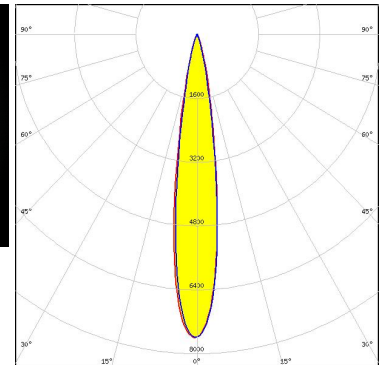
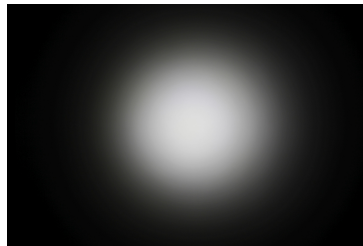
LED EASY-T FLUX 2x2 FLR XG xxx G7  
 FWHM / FWTM 18.0° / 34.0°  
 Efficiency 83 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



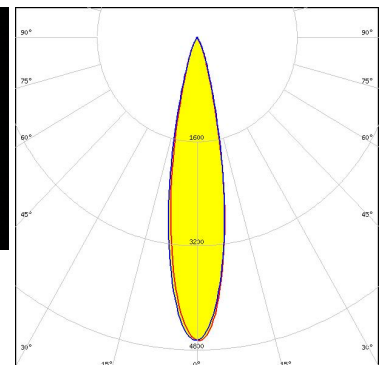
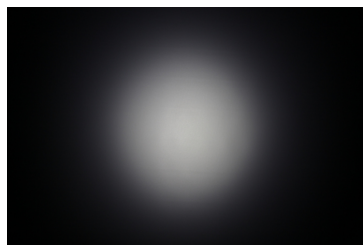
LED EASY-T FLUX 2x2 FLR XT xxx G5  
 FWHM / FWTM 16.0° / 31.0°  
 Efficiency 84 %  
 Peak intensity 7.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XHP35 HD  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 80 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



Light distribution files

### OPTICAL RESULTS (MEASURED):



LED XHP35 HD  
FWHM / FWTM 21.0° / 40.0°  
Efficiency 80 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C15196\_FLORENTINA-2X2-SHD-OPEN



LED XP-L HD  
FWHM / FWTM 19.0° / 36.0°  
Efficiency 77 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C14960\_FLORENTINA-2X2-SHD-WHT



LED XP-L HD  
FWHM / FWTM 19.0° / 36.0°  
Efficiency 77 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour/type White

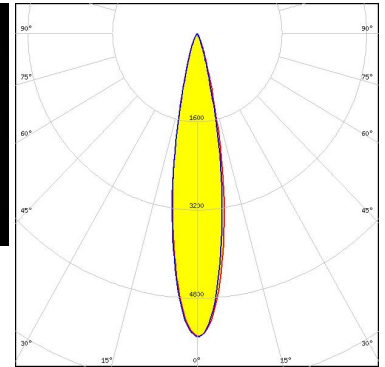
Required components:

C15196\_FLORENTINA-2X2-SHD-OPEN

#### OPTICAL RESULTS (MEASURED):



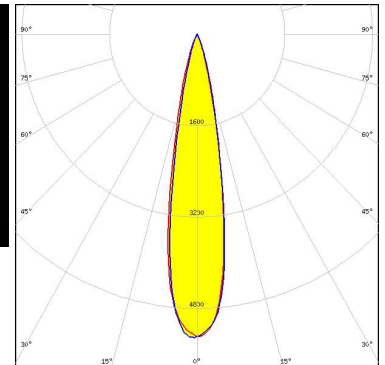
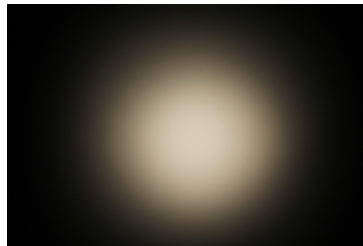
LED XP-L HD  
 FWHM / FWTM 19.0° / 36.0°  
 Efficiency 77 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



Light distribution files



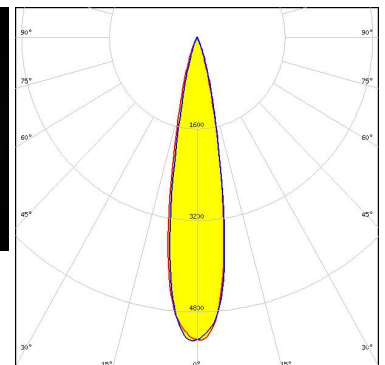
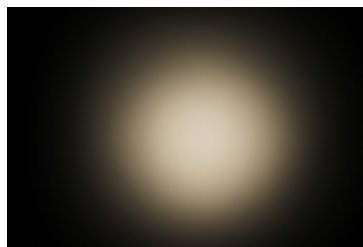
LED LUXEON MZ  
 FWHM / FWTM 20.0° / 37.0°  
 Efficiency 78 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



Light distribution files



LED LUXEON MZ  
 FWHM / FWTM 20.0° / 37.0°  
 Efficiency 80 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14960\_FLORENTINA-2X2-SHD-WHT

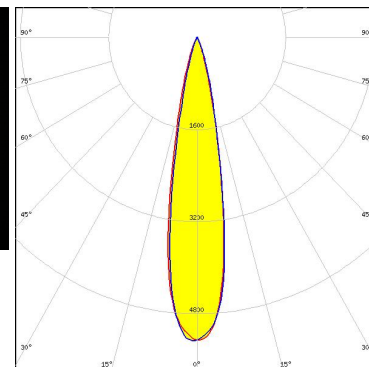
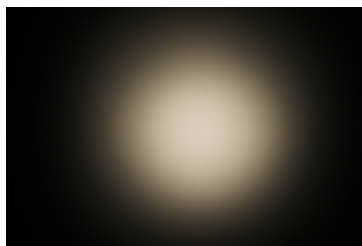


Light distribution files

#### OPTICAL RESULTS (MEASURED):



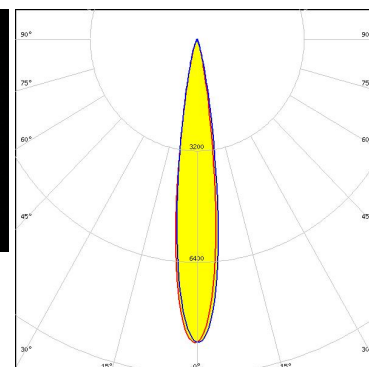
LED LUXEON MZ  
 FWHM / FWTM 20.0° / 37.0°  
 Efficiency 78 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



Light distribution files



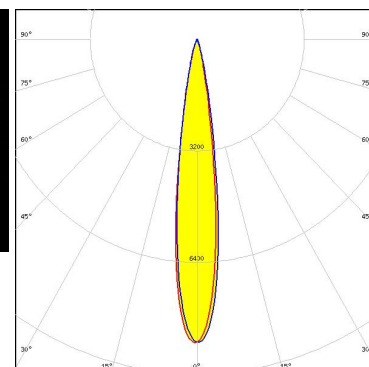
LED LUXEON TX  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 82 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



Light distribution files



LED LUXEON TX  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 82 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD

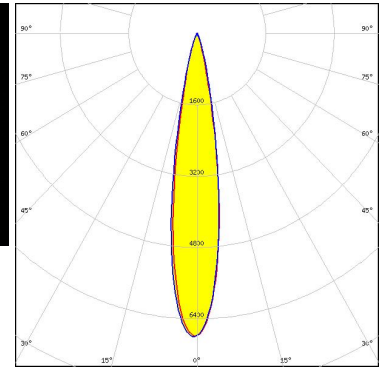


Light distribution files

#### OPTICAL RESULTS (MEASURED):



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 81 %  
 Peak intensity 6.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



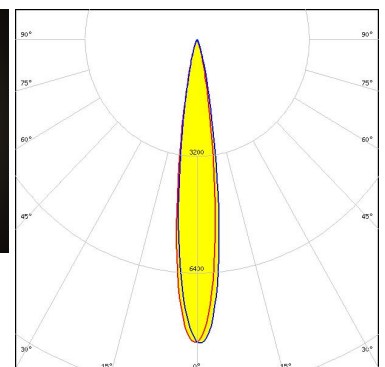
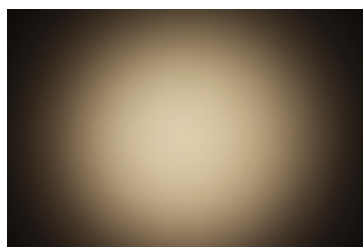
Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 81 %  
 Peak intensity 6.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C15196\_FLORENTINA-2X2-SHD-OPEN



LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 76 %  
 Peak intensity 8.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD

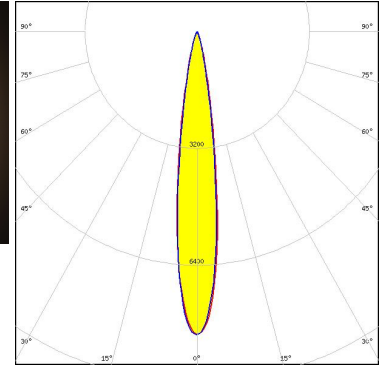
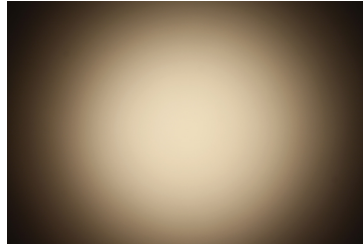


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

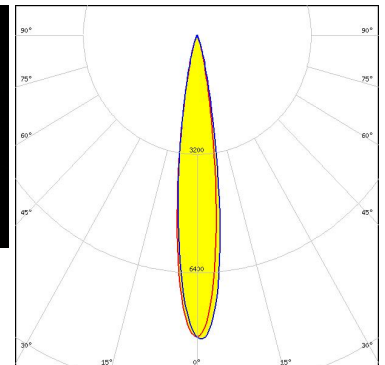
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 15.0° / 29.0°  
Efficiency 77 %  
Peak intensity 8.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14960\_FLORENTINA-2X2-SHD-WHT



Light distribution files

**OSRAM**  
Opto Semiconductors

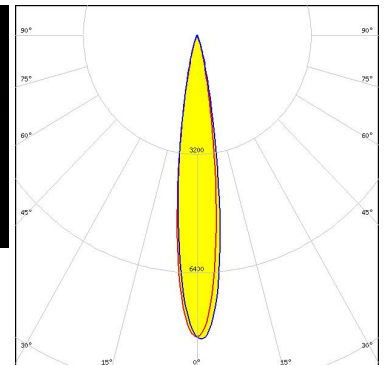
LED OSLON Square EC  
FWHM / FWTM 15.0° / 30.0°  
Efficiency 81 %  
Peak intensity 8.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C15196\_FLORENTINA-2X2-SHD-OPEN



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM / FWTM 15.0° / 30.0°  
Efficiency 81 %  
Peak intensity 8.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14734\_FLORENTINA-2X2-SHD

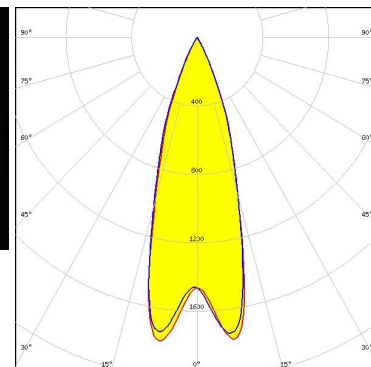
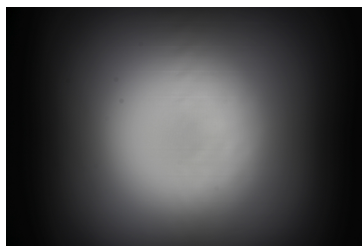


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

|                      |                           |
|----------------------|---------------------------|
| LED                  | HiLOM SC16 (LH181B)       |
| FWHM / FWTM          | 32.0° / 54.0°             |
| Efficiency           | 65 %                      |
| Peak intensity       | 1.8 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.

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

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Ledil:](#)

[FCP14966\\_FLORENTINA-2X2-D](#)