

## 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 ⓘ          |

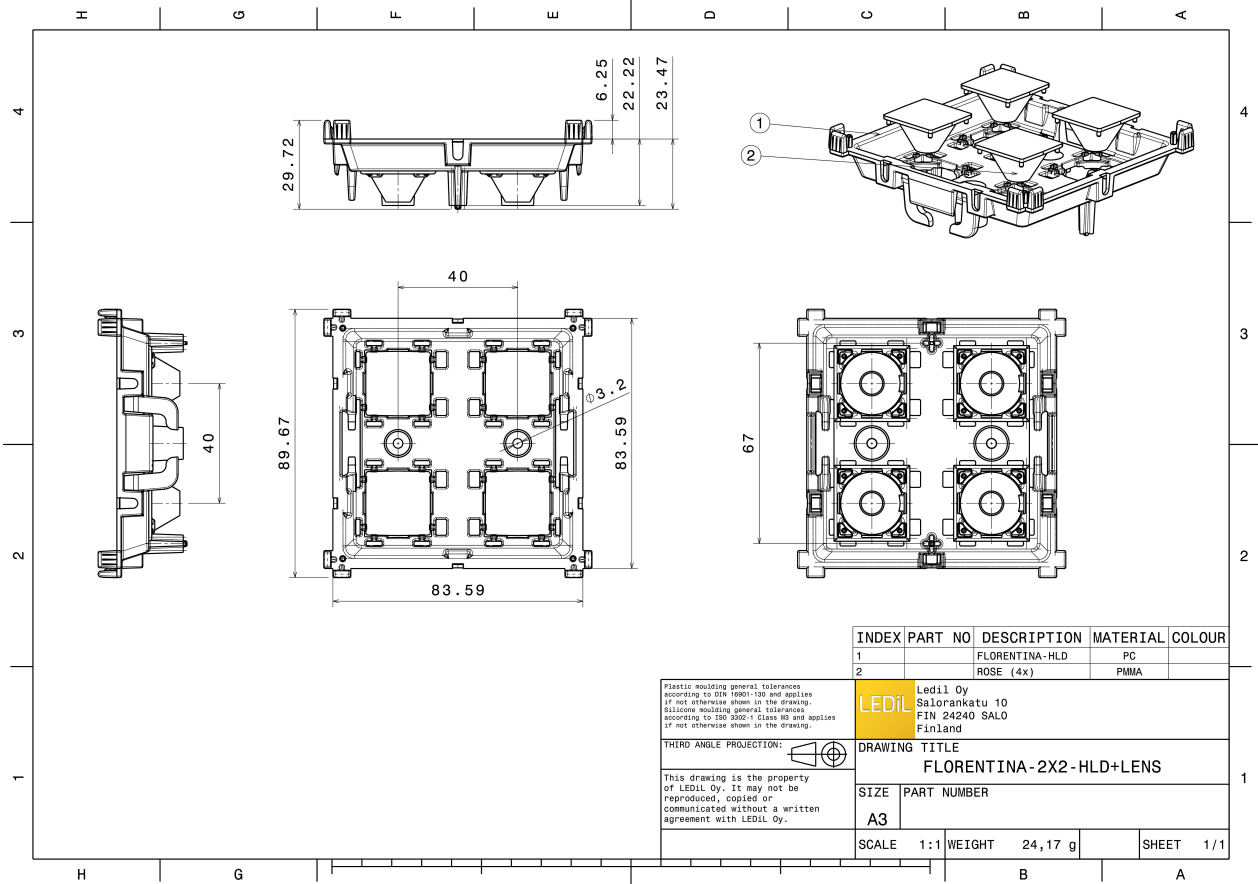
### MATERIALS:

| 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 |             |            |     |     |                 |



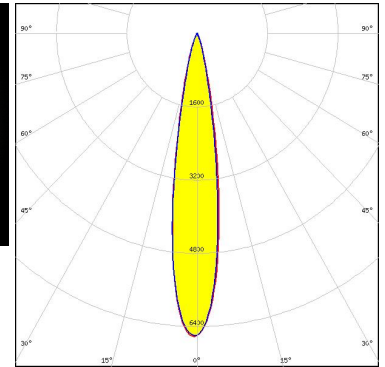


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



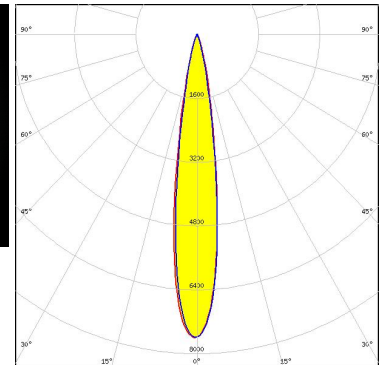
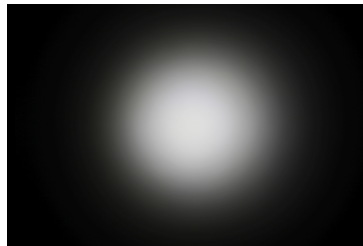
**LED** EASY-T FLUX 2x2 FLR XG xxx G7  
**FWHM / FWTM** 18.0° / 34.0°  
**Efficiency** 83 %  
**Peak intensity** 6.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



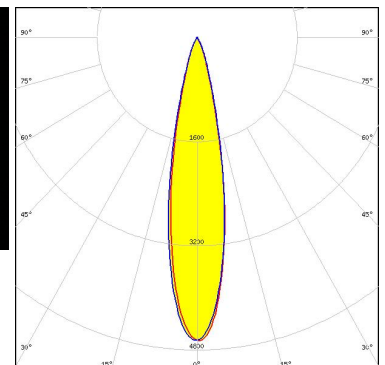
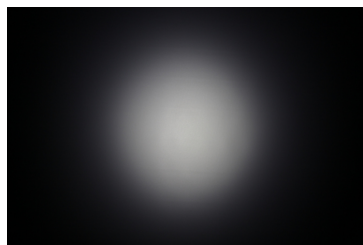
**LED** EASY-T FLUX 2x2 FLR XT xxx G5  
**FWHM / FWTM** 16.0° / 31.0°  
**Efficiency** 84 %  
**Peak intensity** 7.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



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:

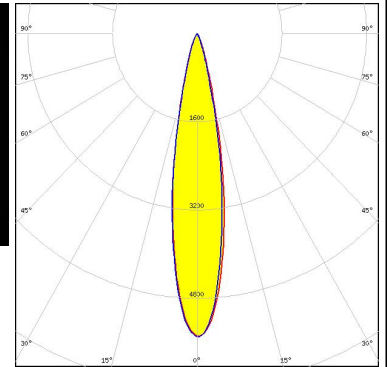
C15196\_FLORENTINA-2X2-SHD-OPEN



#### OPTICAL RESULTS (MEASURED):



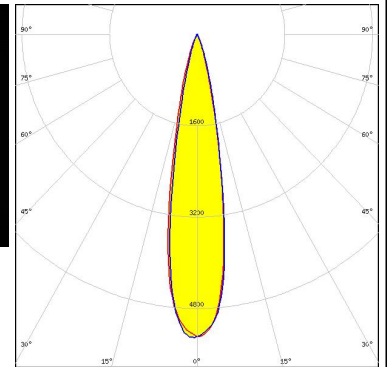
LED XP-L HD  
 FWHM / FWTM 19.0° / 36.0°  
 Efficiency 77 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



Light distribution files



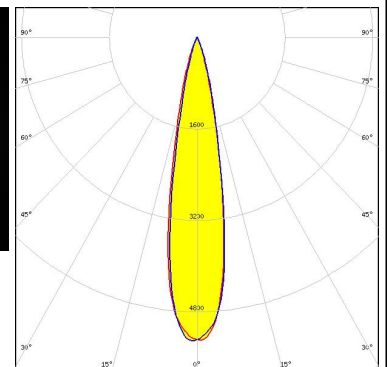
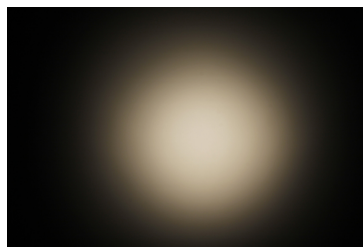
LED LUXEON MZ  
 FWHM / FWTM 20.0° / 37.0°  
 Efficiency 78 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14734\_FLORENTINA-2X2-SHD



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



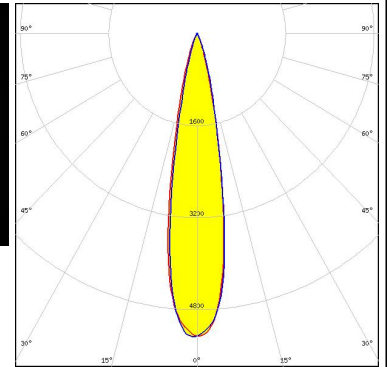
Light distribution files

#### 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

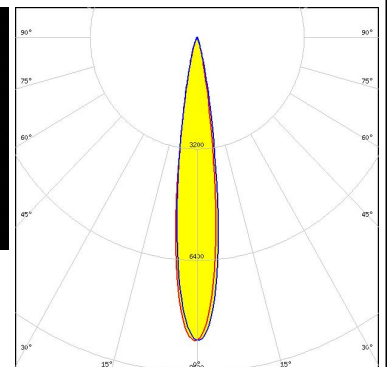
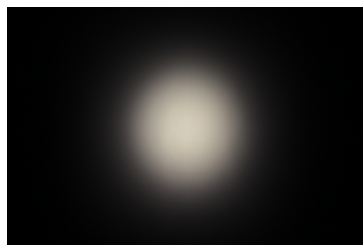


Light distribution files



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

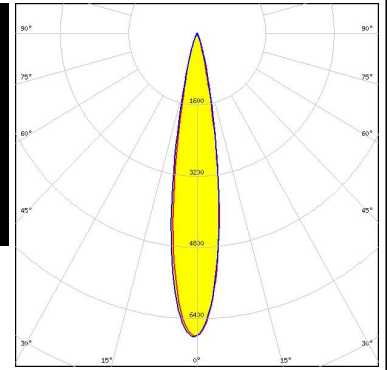


Light distribution files

#### 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



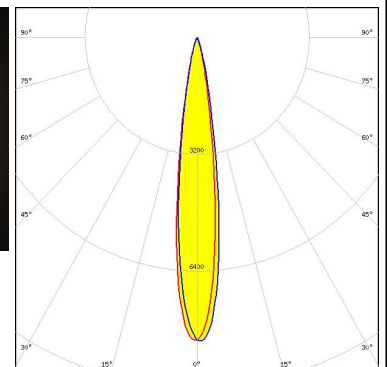
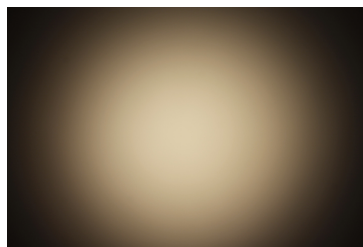
Light distribution files



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 OSLOM 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

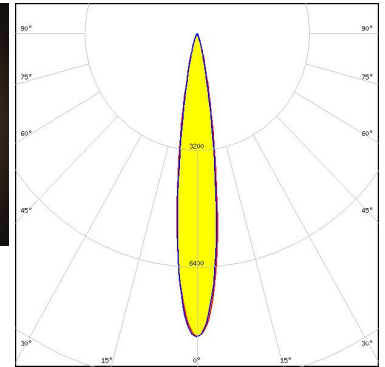
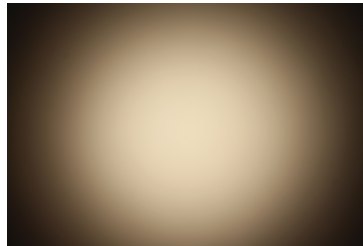


Light distribution files

#### 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



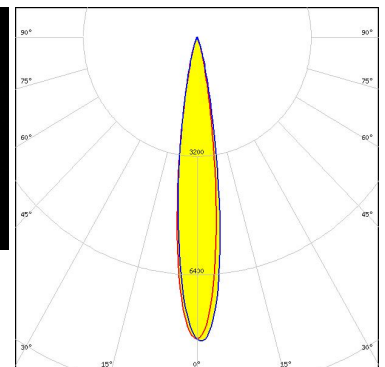
Light distribution files

**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

**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

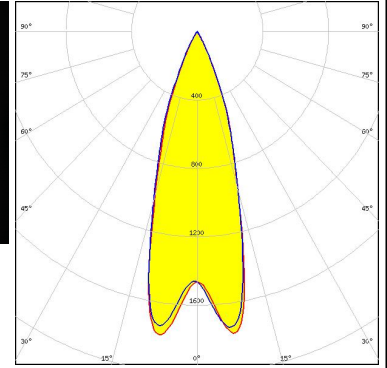
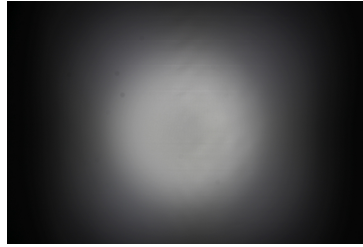


Light distribution files

#### 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:

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