

## FLORENTINA-HLD-O-90

~35° + 15° oval beam. Variant with beam direction rotated 90°.

## SPECIFICATION:

|                |                 |
|----------------|-----------------|
| Dimensions     | 285.6 x 19.5 mm |
| Height         | 9.7 mm          |
| Fastening      | screw           |
| ROHS compliant | yes ⓘ           |

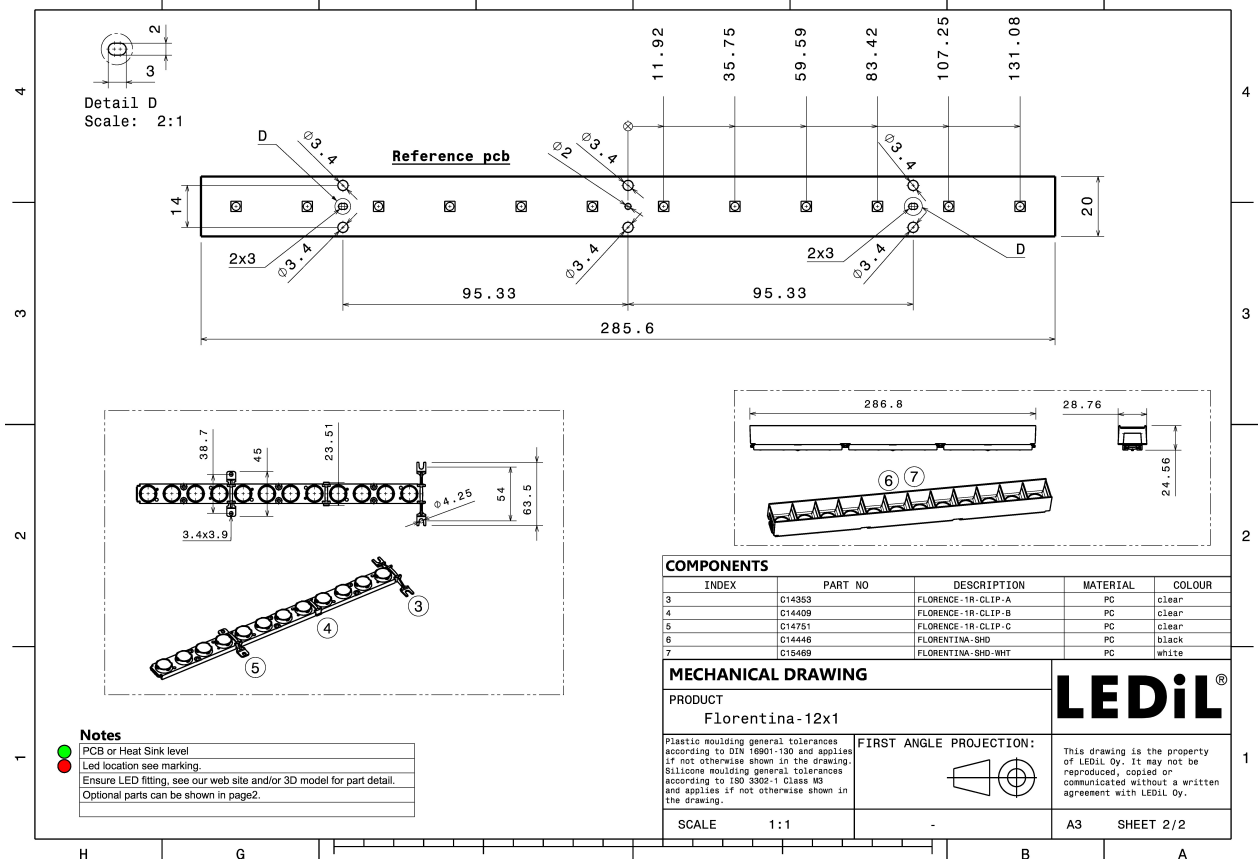
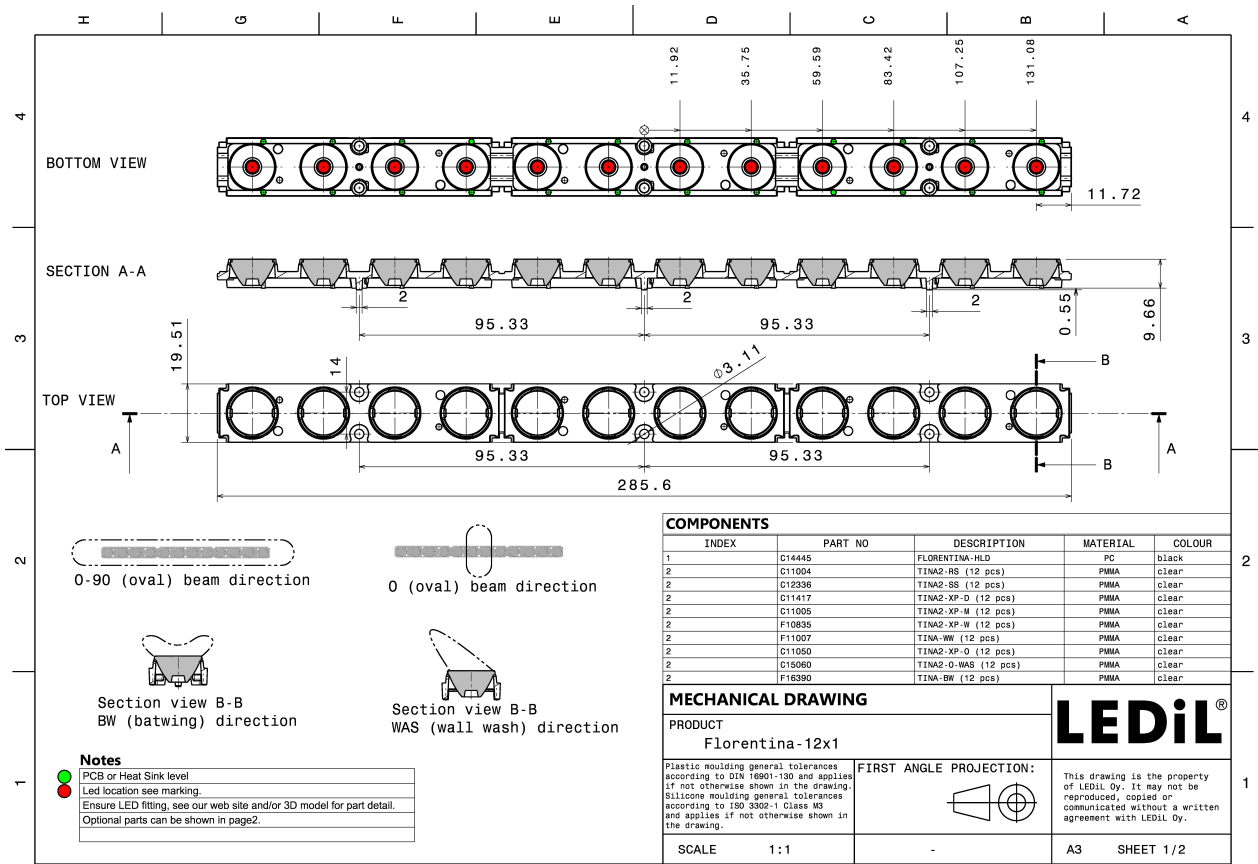


## MATERIALS:

| Component      | Type        | Material | Colour | Finish |
|----------------|-------------|----------|--------|--------|
| TINA2-XP-O     | Single lens | PMMA     | clear  |        |
| FLORENTINA-HLD | Holder      | PC       | black  |        |

## ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CP15678_FLORENTINA-HLD-O-90    | Single lens | 160        | 32  | 16  | 5.4             |
| » Box size: 390 x 300 x 130 mm |             |            |     |     |                 |

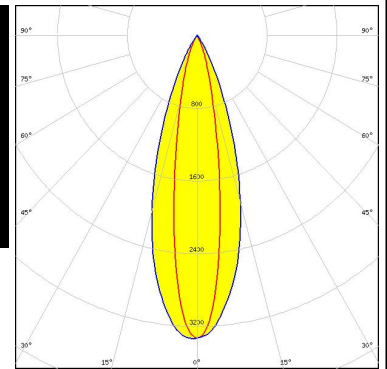
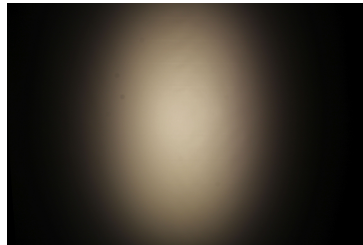


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



LED QUICK FLUX LED FL-XG 1x12 xxx  
 FWHM / FWTM 18.0 + 34.0° / 40.0 + 58.0°  
 Efficiency 79 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED XP-E2  
 FWHM / FWTM 35.0 + 12.0° / 83.0°  
 Efficiency 83 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED XP-G2  
 FWHM / FWTM 34.0 + 15.0° / 91.0°  
 Efficiency 83 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED LUXEON Rebel ES  
 FWHM / FWTM 33.0 + 17.0° / 94.0°  
 Efficiency 79 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD

#### OPTICAL RESULTS (MEASURED):

##### LUMILEDS

LED LUXEON Rebel Plus  
FWHM / FWTM 33.0 + 15.0° / 88.0°  
Efficiency 81 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD

##### LUMILEDS

LED LUXEON TX  
FWHM / FWTM 34.0 + 16.0° / 93.0°  
Efficiency 81 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD

##### LUMILEDS

LED LUXEON Z ES  
FWHM / FWTM 34.0 + 13.0° / 81.0°  
Efficiency 82 %  
Peak intensity 5.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD

##### NICHIA

LED NCSxx19B  
FWHM / FWTM 34.0 + 14.0° / 88.0°  
Efficiency 79 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD

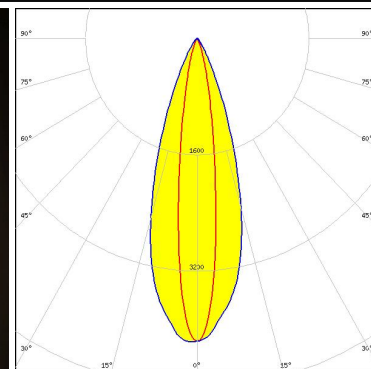
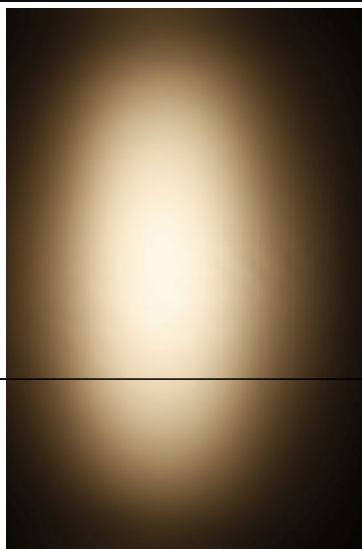
#### OPTICAL RESULTS (MEASURED):



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 34.0 + 17.0° / 97.0°  
 Efficiency 78 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED OSLOM Square EC  
 FWHM / FWTM 15.0 + 34.0° / 92.0°  
 Efficiency 85 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED OSLOM SSL 80  
 FWHM / FWTM 33.0 + 15.0° / 91.0°  
 Efficiency 79 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED LH351B  
 FWHM / FWTM 34.0 + 18.0° / 100.0°  
 Efficiency 94 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD

### OPTICAL RESULTS (MEASURED):

#### **TOSHIBA**

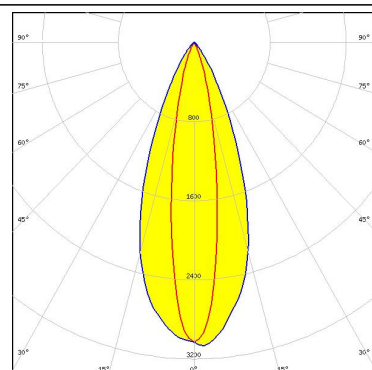
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|                       |                      |
|-----------------------|----------------------|
| LED                   | TL1L4                |
| FWHM / FWTM           | 34.0 + 17.0° / 95.0° |
| Efficiency            | 79 %                 |
| Peak intensity        | 3.6 cd/lm            |
| LEDs/each optic       | 1                    |
| Light colour          | White                |
| Required components:  |                      |
| C14446_FLORENTINA-SHD |                      |

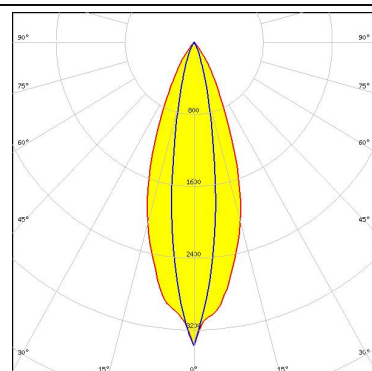
#### OPTICAL RESULTS (SIMULATED):



LED J Series 3030  
 FWHM / FWTM 18.0 + 40.0° / 40.0 + 68.0°  
 Efficiency 87 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G2 HE  
 FWHM / FWTM 36.0 + 18.0° / 66.0 + 39.0°  
 Efficiency 84 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-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:

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