

## FLORENTINA-HLD-SS

~16° smooth spot beam

### SPECIFICATION:

|                |              |
|----------------|--------------|
| Dimensions     | 285.6 x 19.5 |
| Height         | 9.5 mm       |
| Fastening      | screw        |
| ROHS compliant | yes ⓘ        |

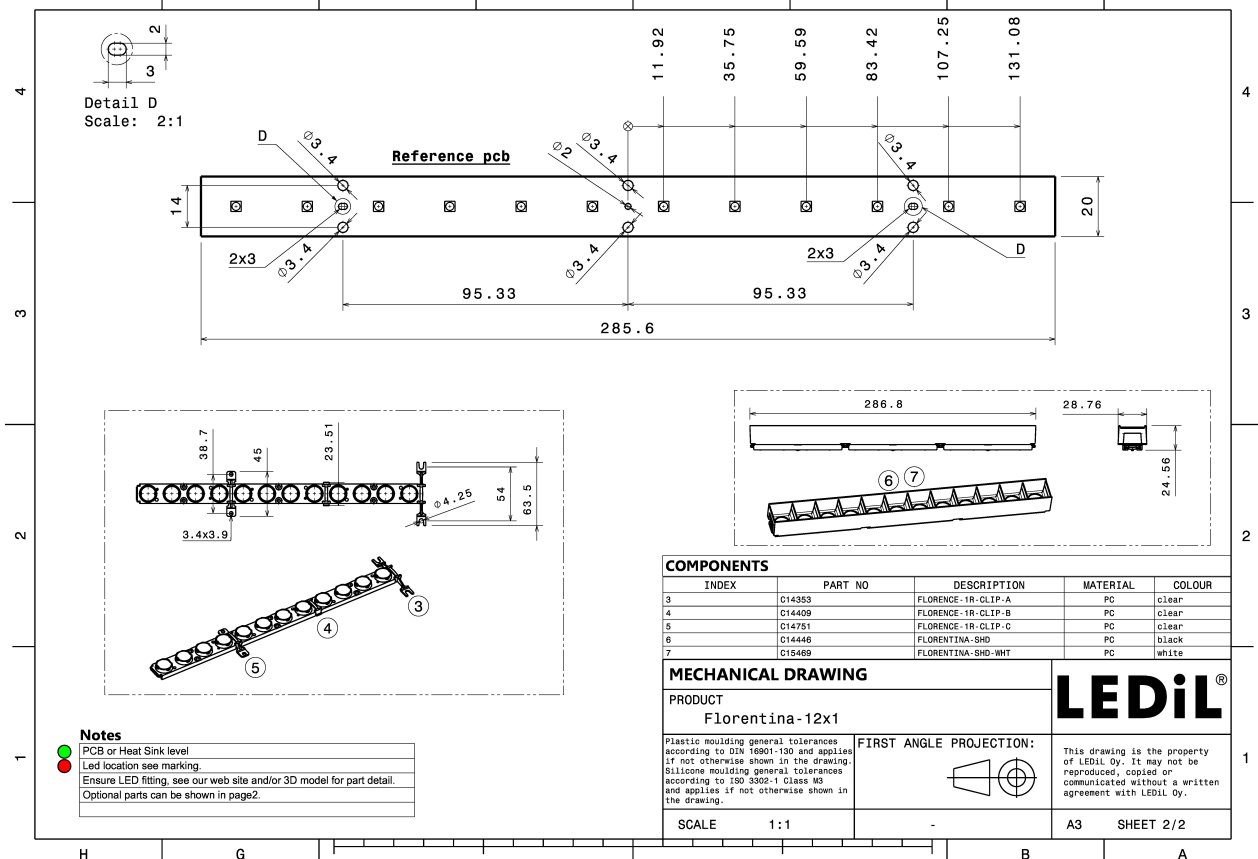
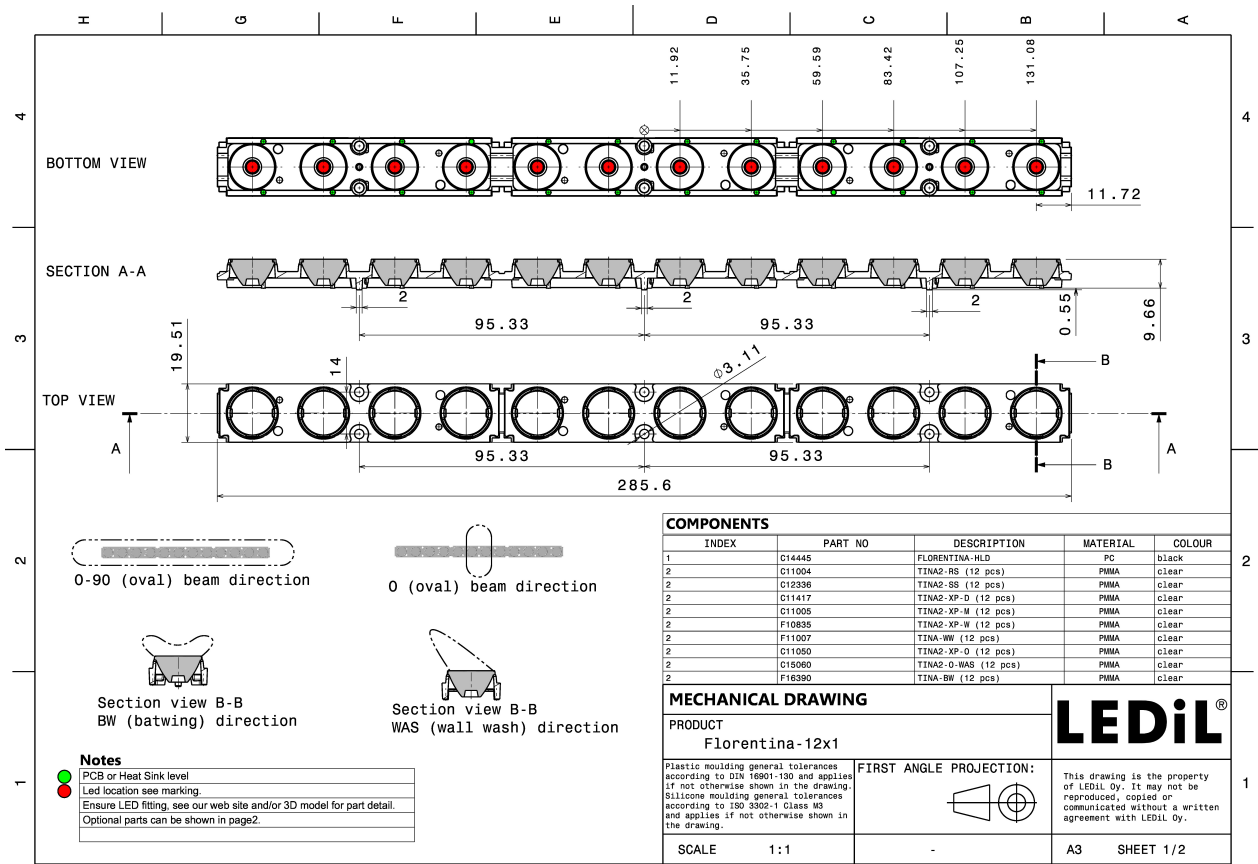
### MATERIALS:

| Component      | Type        | Material | Colour | Finish | Length (mm) |
|----------------|-------------|----------|--------|--------|-------------|
| TINA2-SS       | Single lens | PMMA     | clear  |        |             |
| FLORENTINA-HLD | Holder      | PC       | black  |        |             |



### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CP14993_FLORENTINA-HLD-SS      | Single lens | 160        | 32  | 16  | 3.3             |
| » Box size: 398 x 298 x 140 mm |             |            |     |     |                 |

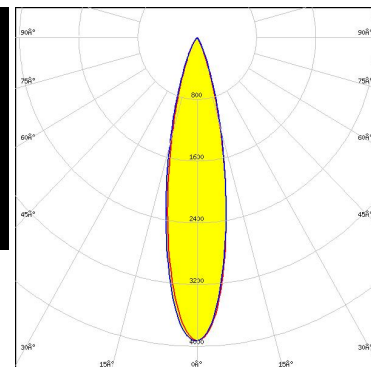
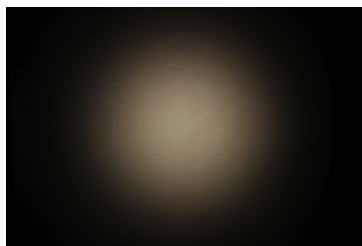


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



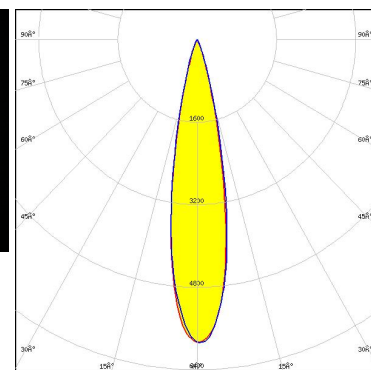
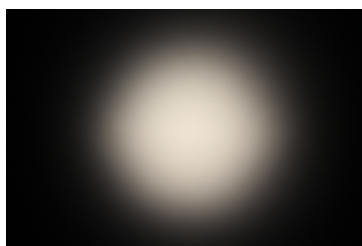
LED QUICK FLUX LED FL-XG 1x12 xxx  
 FWHM / FWTM 23.0° / 46.0°  
 Efficiency 83 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



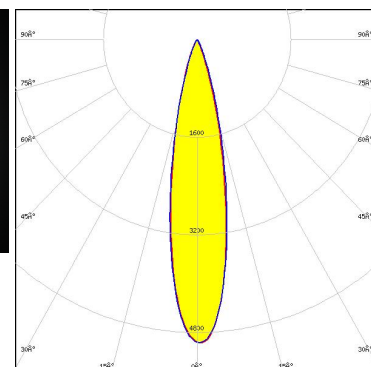
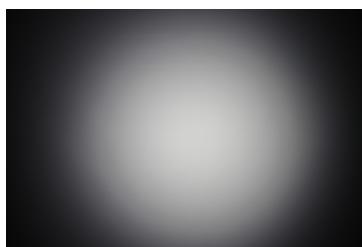
LED XP-E2  
 FWHM / FWTM 21.0° / 36.0°  
 Efficiency 85 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



LED XP-G2  
 FWHM / FWTM 22.0° / 41.0°  
 Efficiency 87 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD

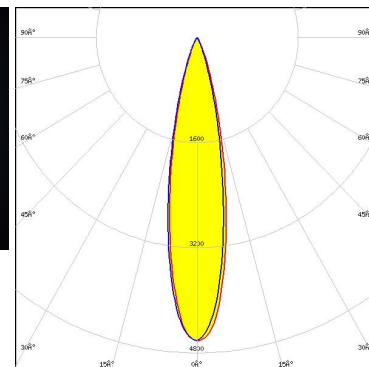
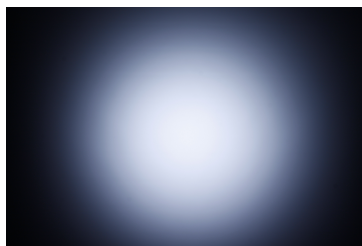


Light distribution files

#### OPTICAL RESULTS (MEASURED):



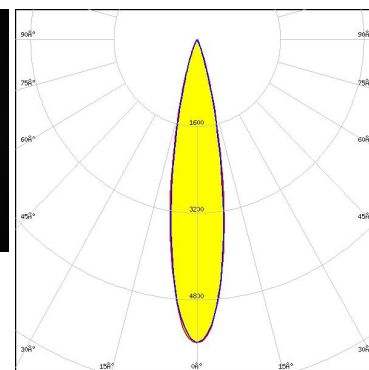
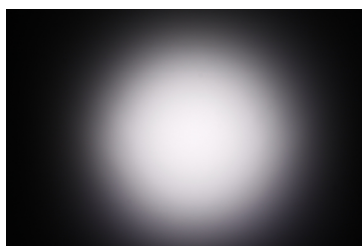
LED LUXEON Rebel ES  
 FWHM / FWTM 22.0° / 42.0°  
 Efficiency 83 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



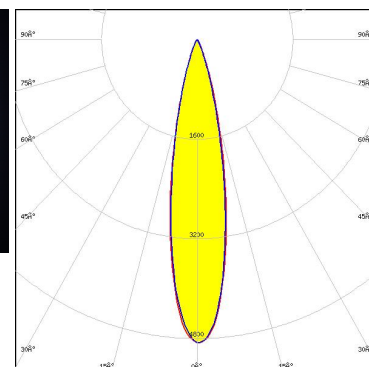
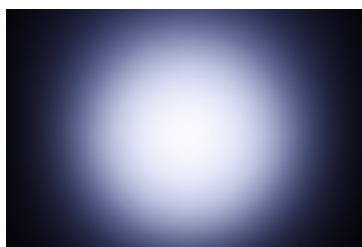
LED LUXEON Rebel Plus  
 FWHM / FWTM 20.0° / 38.0°  
 Efficiency 84 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



LED LUXEON TX  
 FWHM / FWTM 21.0° / 41.0°  
 Efficiency 84 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD

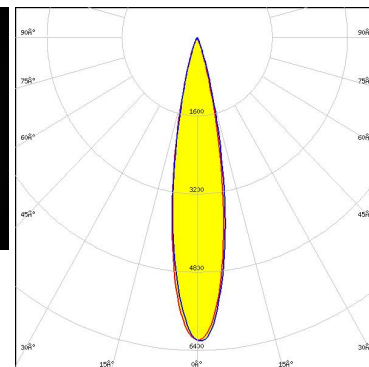
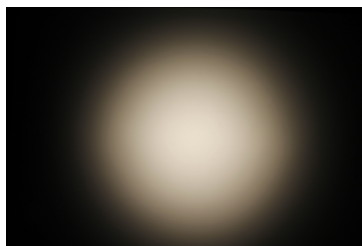


Light distribution files

#### OPTICAL RESULTS (MEASURED):



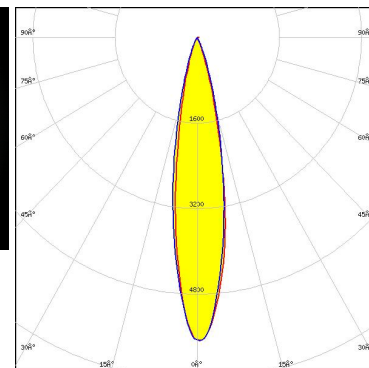
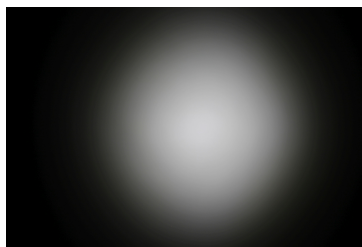
LED LUXEON Z ES  
 FWHM / FWTM 20.0° / 36.0°  
 Efficiency 85 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



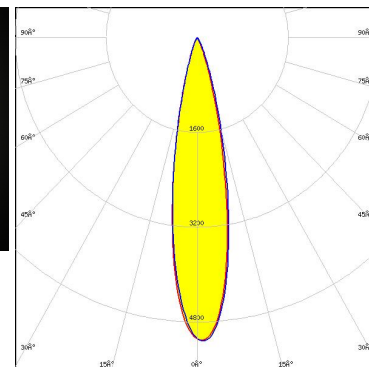
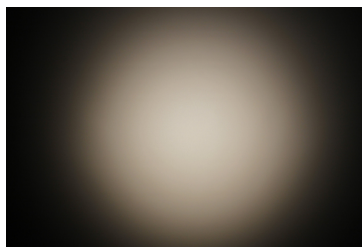
LED NCSx17A  
 FWHM / FWTM 20.0° / 38.0°  
 Efficiency 82 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



LED NCSxx19B  
 FWHM / FWTM 21.0° / 39.0°  
 Efficiency 84 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD

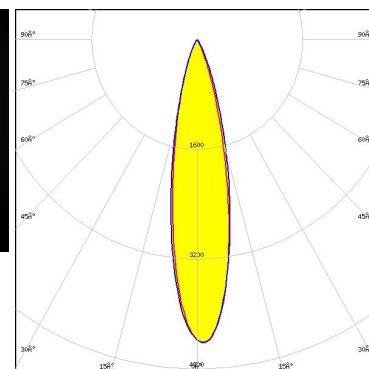
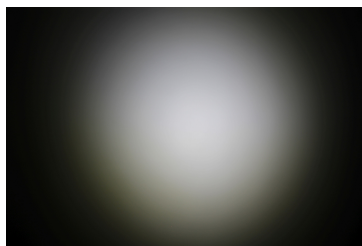


Light distribution files

#### OPTICAL RESULTS (MEASURED):



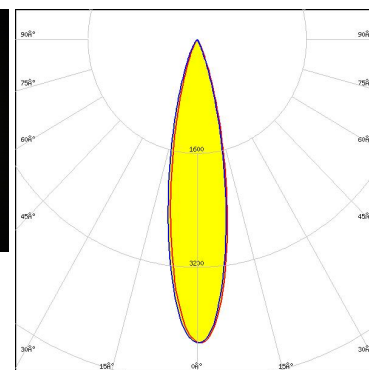
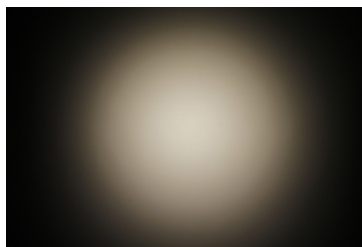
LED NF2x757G  
 FWHM / FWTM 22.0° / 44.0°  
 Efficiency 87 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



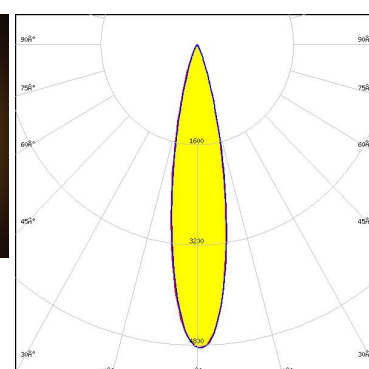
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 22.0° / 43.0°  
 Efficiency 82 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



LED OSLOM Square EC  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 82 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD

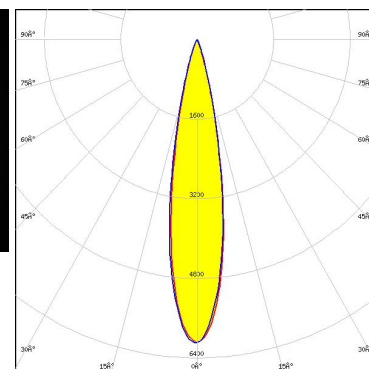
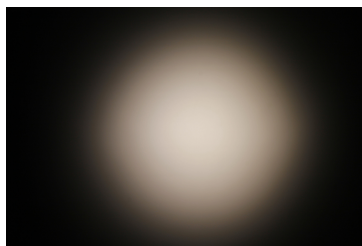


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

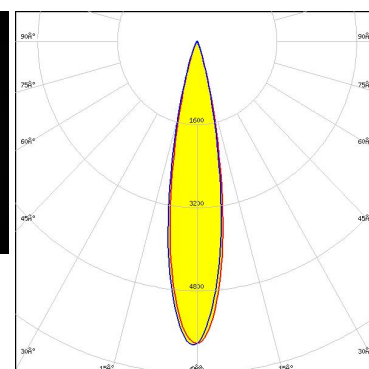
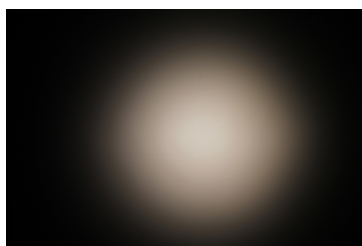
LED OSLON SSL 150  
FWHM / FWTM 20.0° / 35.0°  
Efficiency 83 %  
Peak intensity 6.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD



Light distribution files

**OSRAM**  
Opto Semiconductors

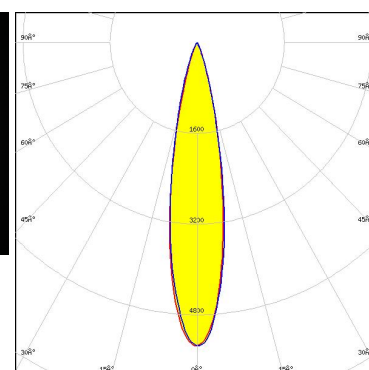
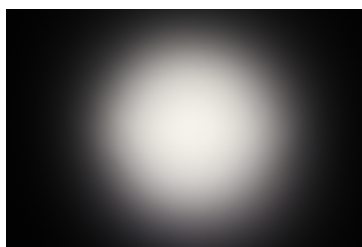
LED OSLON SSL 150  
FWHM / FWTM 20.0° / 36.0°  
Efficiency 86 %  
Peak intensity 5.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM / FWTM 20.0° / 38.0°  
Efficiency 83 %  
Peak intensity 5.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD

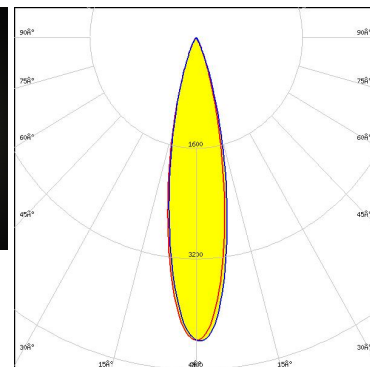
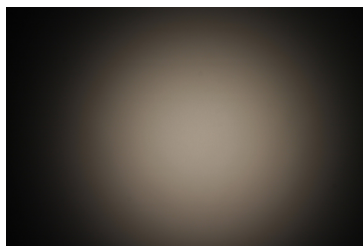


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

LED LH351B  
 FWHM / FWTM 22.0° / 43.0°  
 Efficiency 84 %  
 Peak intensity 4.4 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD

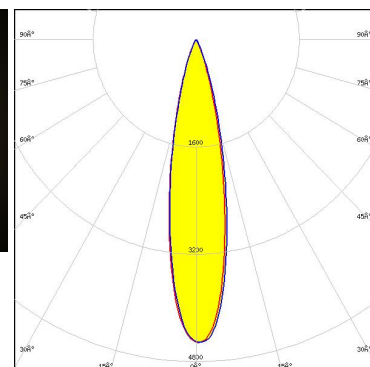
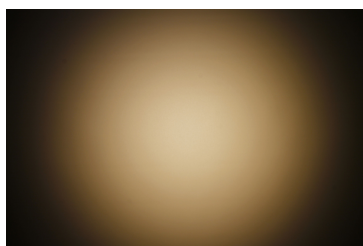


Light distribution files

#### TOSHIBA

Leading Innovation >>>

LED TL1L4  
 FWHM / FWTM 22.0° / 42.0°  
 Efficiency 81 %  
 Peak intensity 4.5 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD

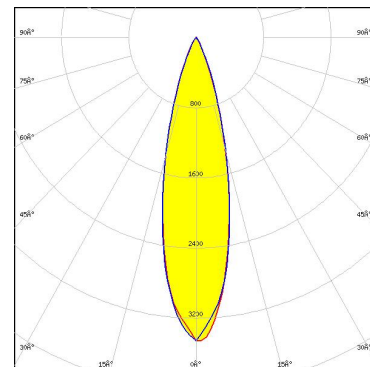


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



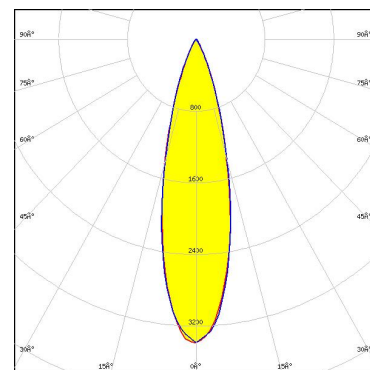
LED JB3030 HE B Class  
 FWHM / FWTM 26.0° / 48.0°  
 Efficiency 84 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



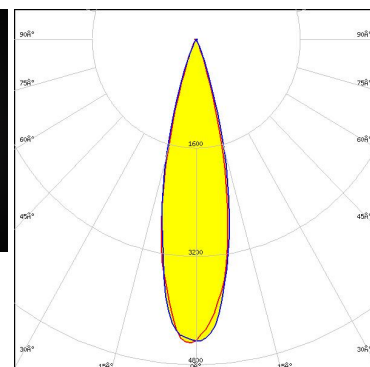
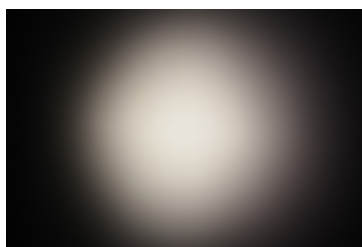
LED JB3030 HE B Class  
 FWHM / FWTM 26.0° / 50.0°  
 Efficiency 89 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XQ-E HD  
 FWHM / FWTM 25.0° / 41.0°  
 Efficiency 89 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD

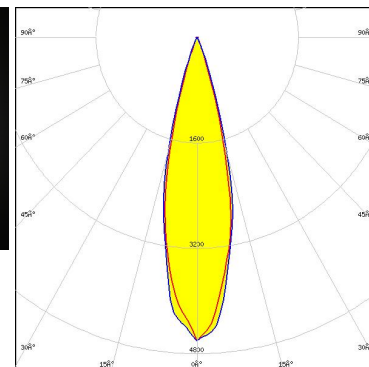
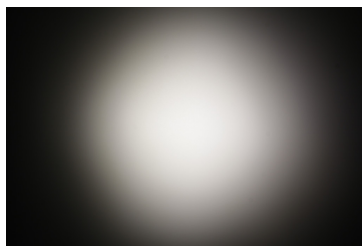


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



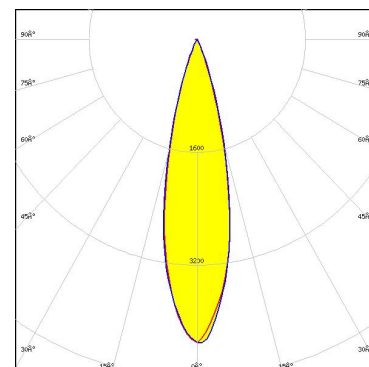
LED XQ-E HI  
 FWHM / FWTM 26.0° / 40.0°  
 Efficiency 89 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



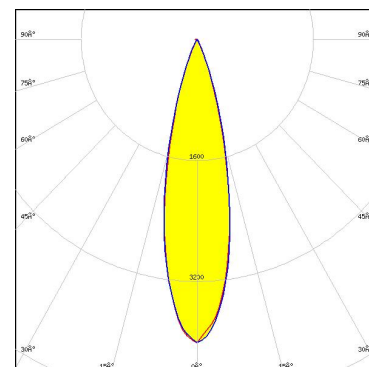
LED NCSxE17A  
 FWHM / FWTM 25.0° / 43.0°  
 Efficiency 86 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files



LED NVSxE21A  
 FWHM / FWTM 25.0° / 45.0°  
 Efficiency 86 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD

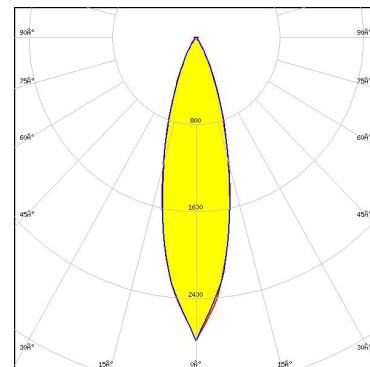


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



LED NWSx229A  
 FWHM / FWTM 27.0° / 54.0°  
 Efficiency 84 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-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.

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#### LEDiL Oy

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#### 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/  
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