

## FLORENTINA-HLD-RS

~10° real spot beam

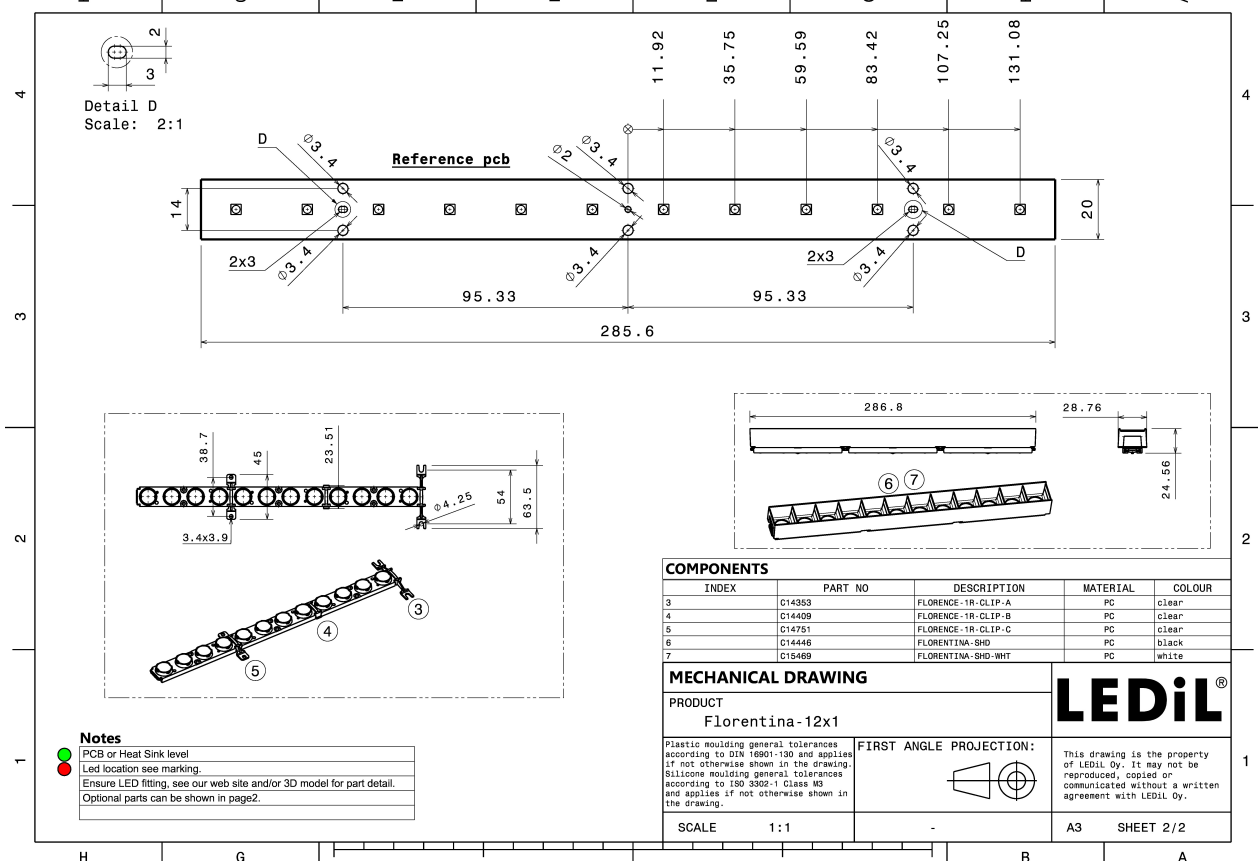
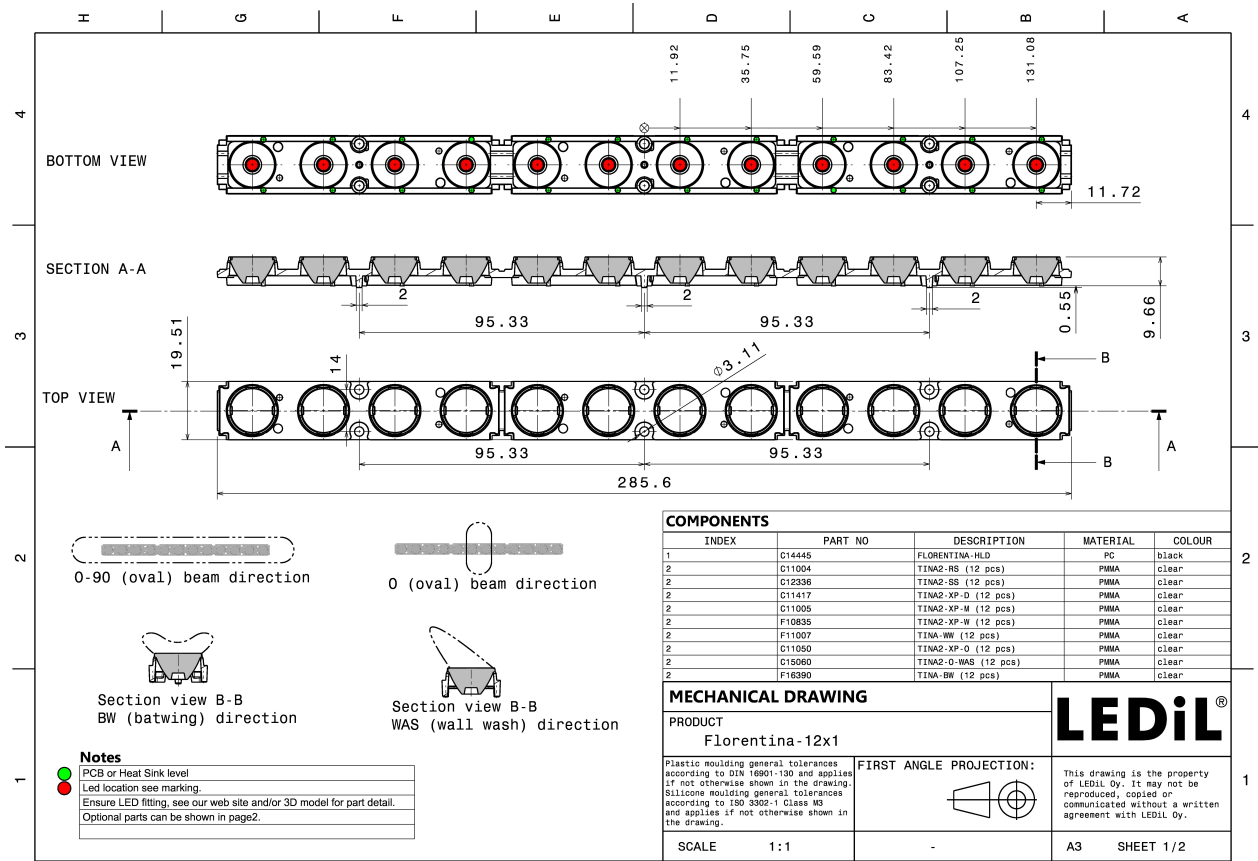
### TECHNICAL SPECIFICATIONS:

|                 |                    |
|-----------------|--------------------|
| Dimensions      | 285.6 x 19.5 mm    |
| Height          | 9.5 mm             |
| Fastening       | clips              |
| Colour          | black              |
| Box size        | 398 x 298 x 140 mm |
| Box weight      | 5.2 kg             |
| Quantity in Box | 160 pcs            |
| ROHS compliant  | yes ⓘ              |



### MATERIAL SPECIFICATIONS:

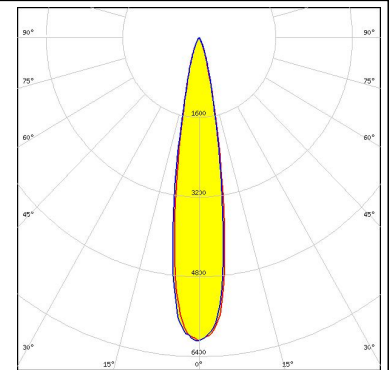
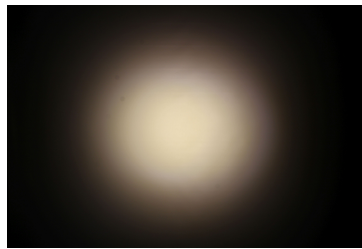
| Component      | Type        | Material | Colour |
|----------------|-------------|----------|--------|
| TINA2-RS       | Single lens | PMMA     | clear  |
| FLORENTINA-HLD | Holder      | PC       | black  |



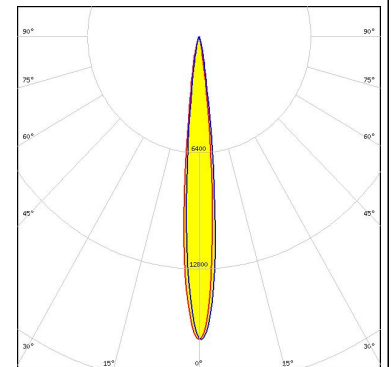
#### PHOTOMETRIC DATA (MEASURED):



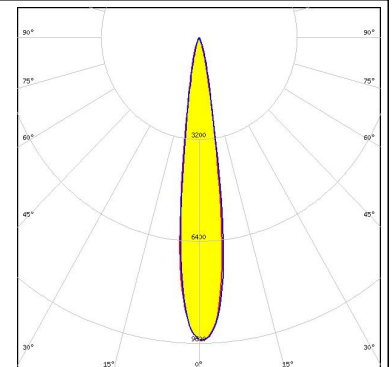
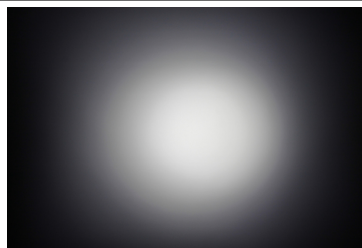
LED QUICK FLUX LED FL-XG 1x12 xxx  
 FWHM 18.0°  
 Efficiency 84 %  
 Peak intensity 6.100 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



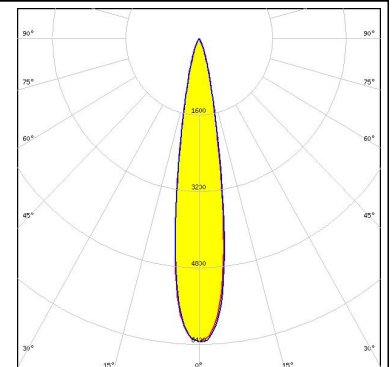
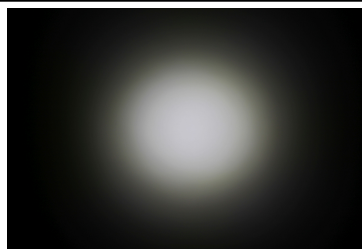
LED XP-E2  
 FWHM 11.0°  
 Efficiency 84 %  
 Peak intensity 16.740 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED XP-G2  
 FWHM 15.0°  
 Efficiency 86 %  
 Peak intensity 9.500 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



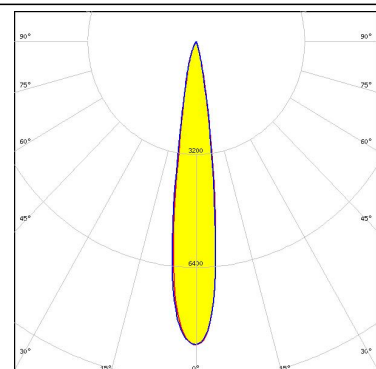
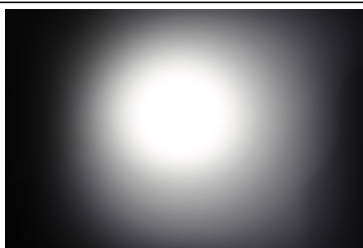
LED XP-G3  
 FWHM 18.0°  
 Efficiency 84 %  
 Peak intensity 6.400 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

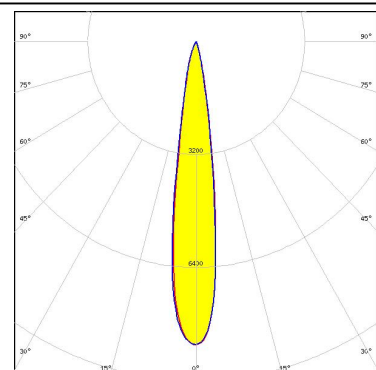
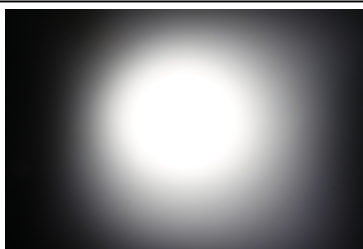
##### LG Innotek

LED H35C1 (LEMWA33)  
FWHM 15.0°  
Efficiency 84 %  
Peak intensity 8.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



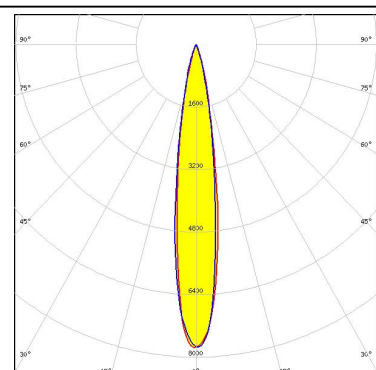
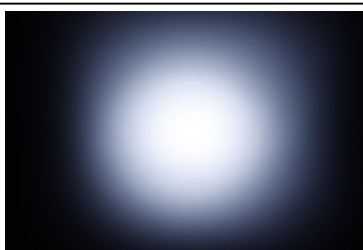
##### LG Innotek

LED H35C1 (LEMWA33)  
FWHM 15.0°  
Efficiency 84 %  
Peak intensity 8.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



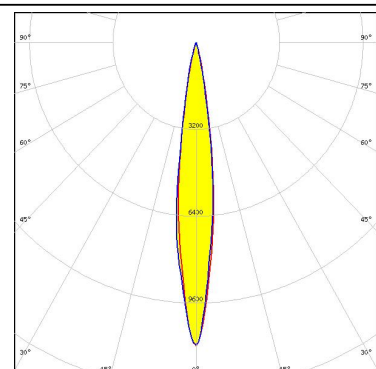
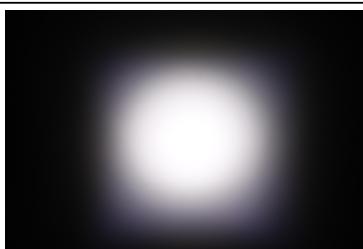
##### LUMILEDS

LED LUXEON Rebel ES  
FWHM 16.0°  
Efficiency 82 %  
Peak intensity 7.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



##### LUMILEDS

LED LUXEON Rebel Plus  
FWHM 14.0°  
Efficiency 82 %  
Peak intensity 11.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD

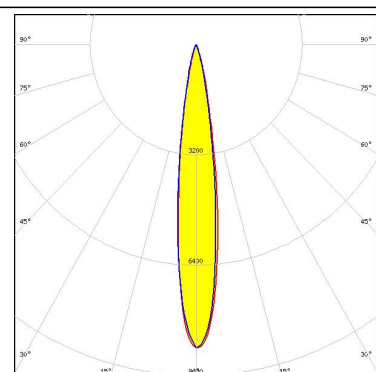
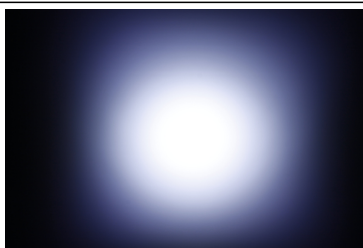




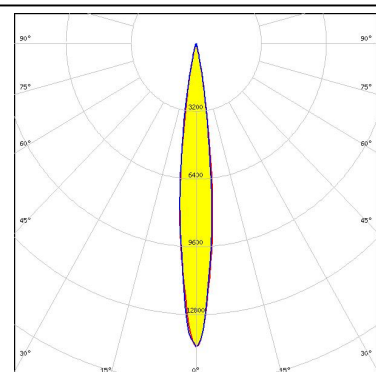
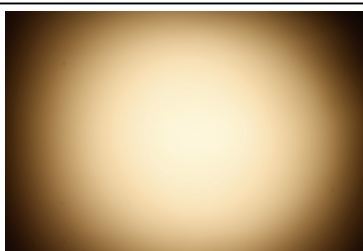
#### PHOTOMETRIC DATA (MEASURED):



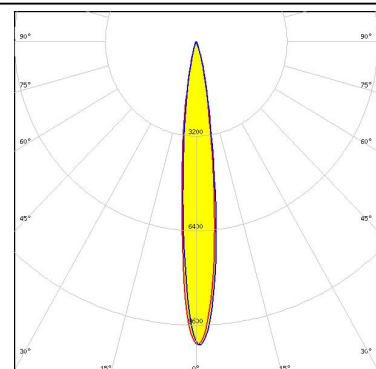
LED LUXEON TX  
FWHM 15.0°  
Efficiency 83 %  
Peak intensity 8.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



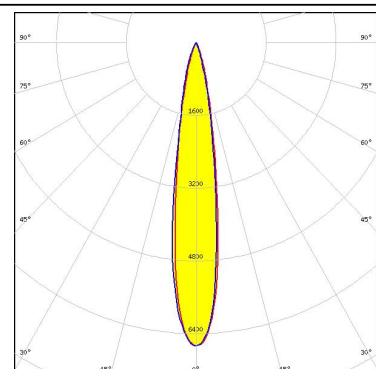
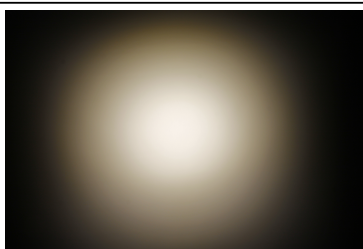
LED LUXEON Z ES  
FWHM 13.0°  
Efficiency 84 %  
Peak intensity 14.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



LED NCSxx19B  
FWHM 13.0°  
Efficiency 80 %  
Peak intensity 10.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



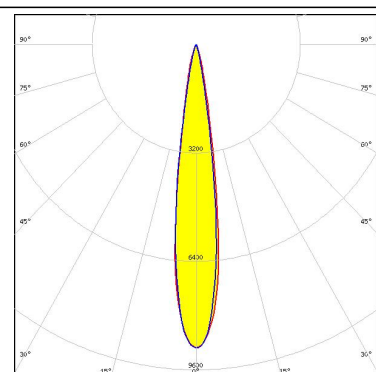
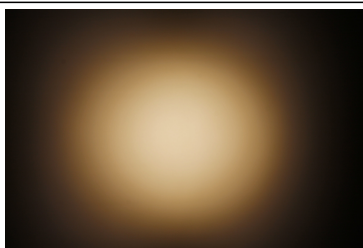
LED NVSxx19B/NVSxx19C  
FWHM 16.0°  
Efficiency 79 %  
Peak intensity 6.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

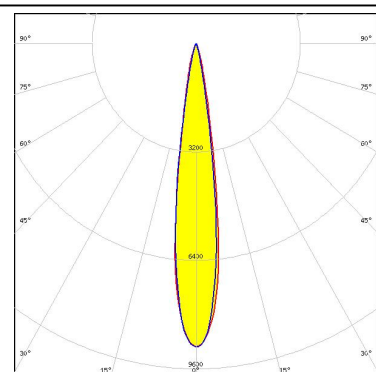
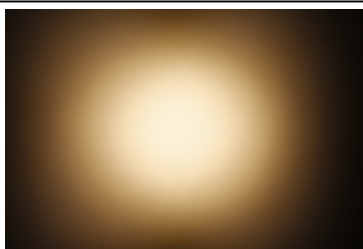
**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM 15.0°  
Efficiency 81 %  
Peak intensity 8.950 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



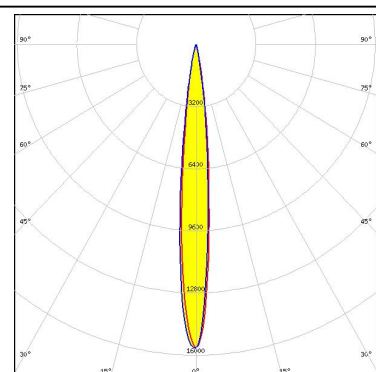
**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM 15.0°  
Efficiency 81 %  
Peak intensity 9.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



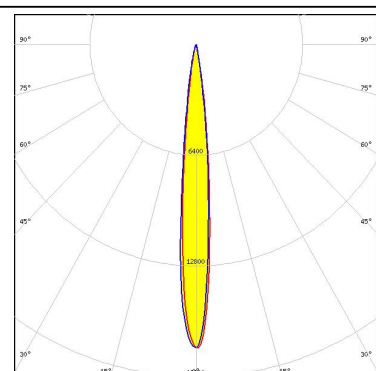
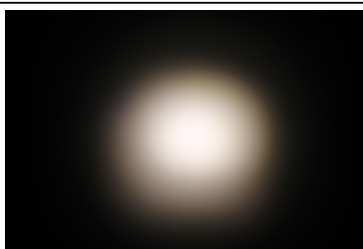
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM 11.0°  
Efficiency 84 %  
Peak intensity 15.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM 11.0°  
Efficiency 82 %  
Peak intensity 17.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



# LEDiL<sup>®</sup>

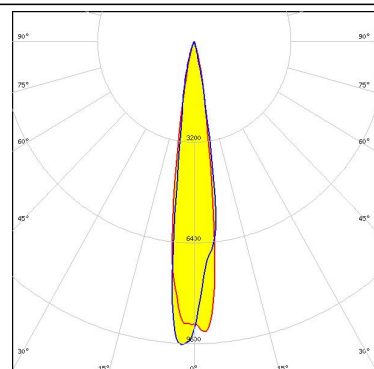
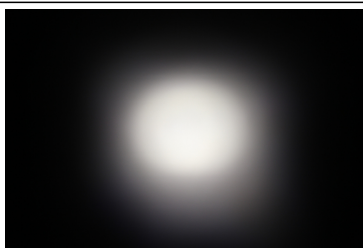
## PRODUCT DATASHEET

### CP14866\_FLORENTINA-HLD-RS

#### PHOTOMETRIC DATA (MEASURED):

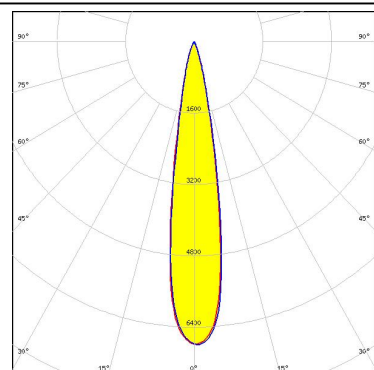
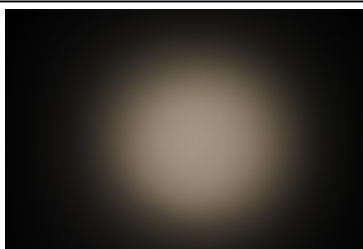
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM 15.0°  
Efficiency 82 %  
Peak intensity 9.760 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



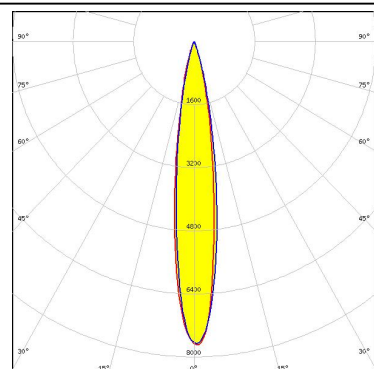
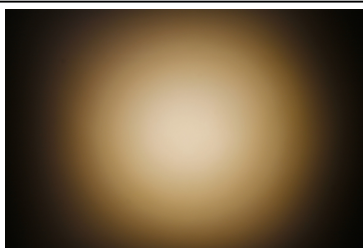
**SAMSUNG**

LED LH351B  
FWHM 18.0°  
Efficiency 84 %  
Peak intensity 6.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



**TOSHIBA**  
Leading Innovation >>>

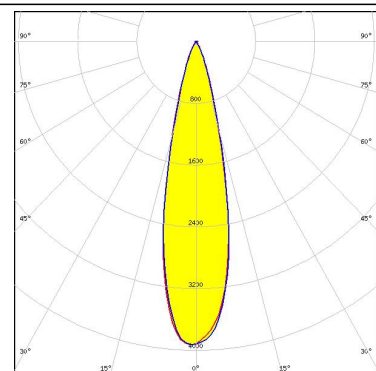
LED TL1L4  
FWHM 16.0°  
Efficiency 82 %  
Peak intensity 7.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (SIMULATED):



LED NWSx229A  
FWHM 24.0°  
Efficiency 86 %  
Peak intensity 3.950 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:

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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#### Local sales and technical support

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

#### Shipping locations

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Hong Kong, China

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