

FLORENTINA-HLD-SS

~16° smooth spot beam

TECHNICAL SPECIFICATIONS:

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

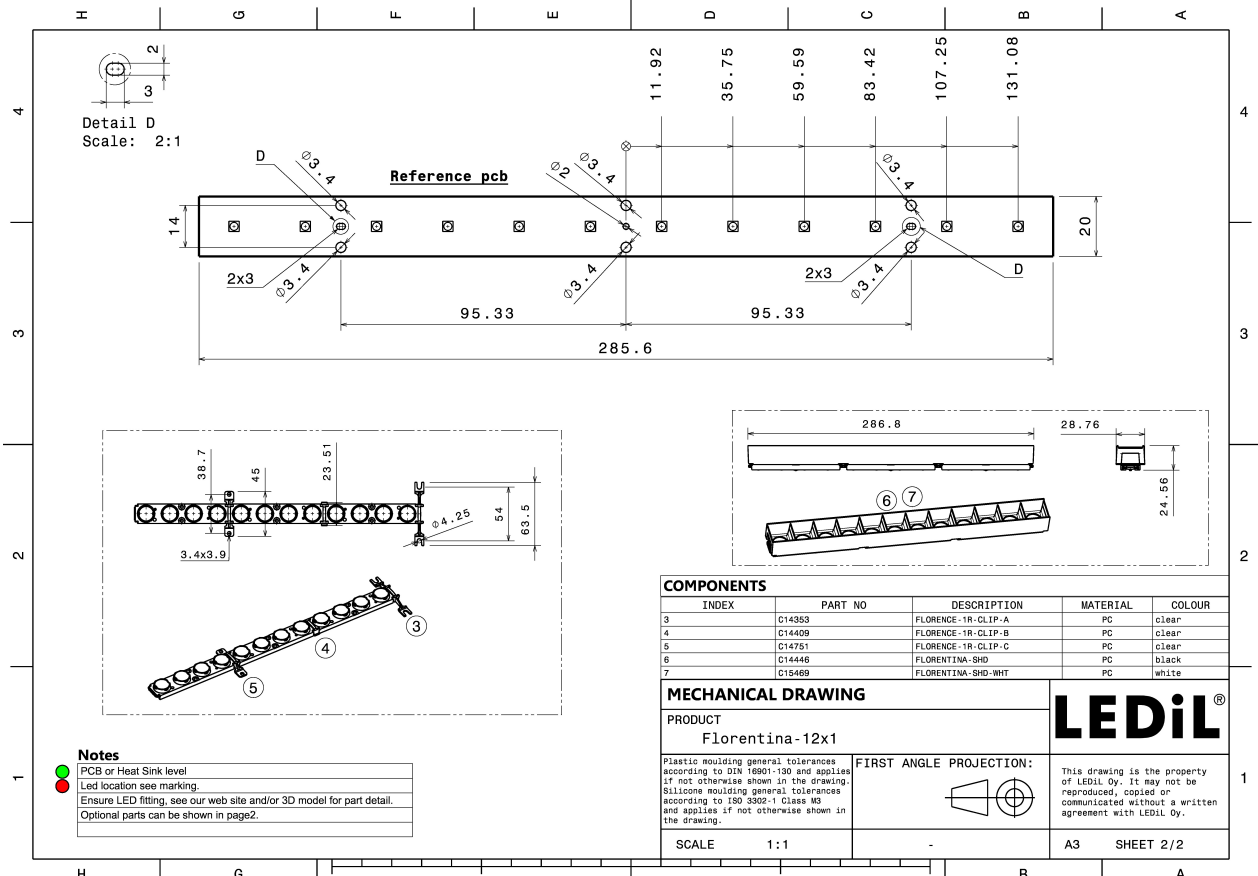
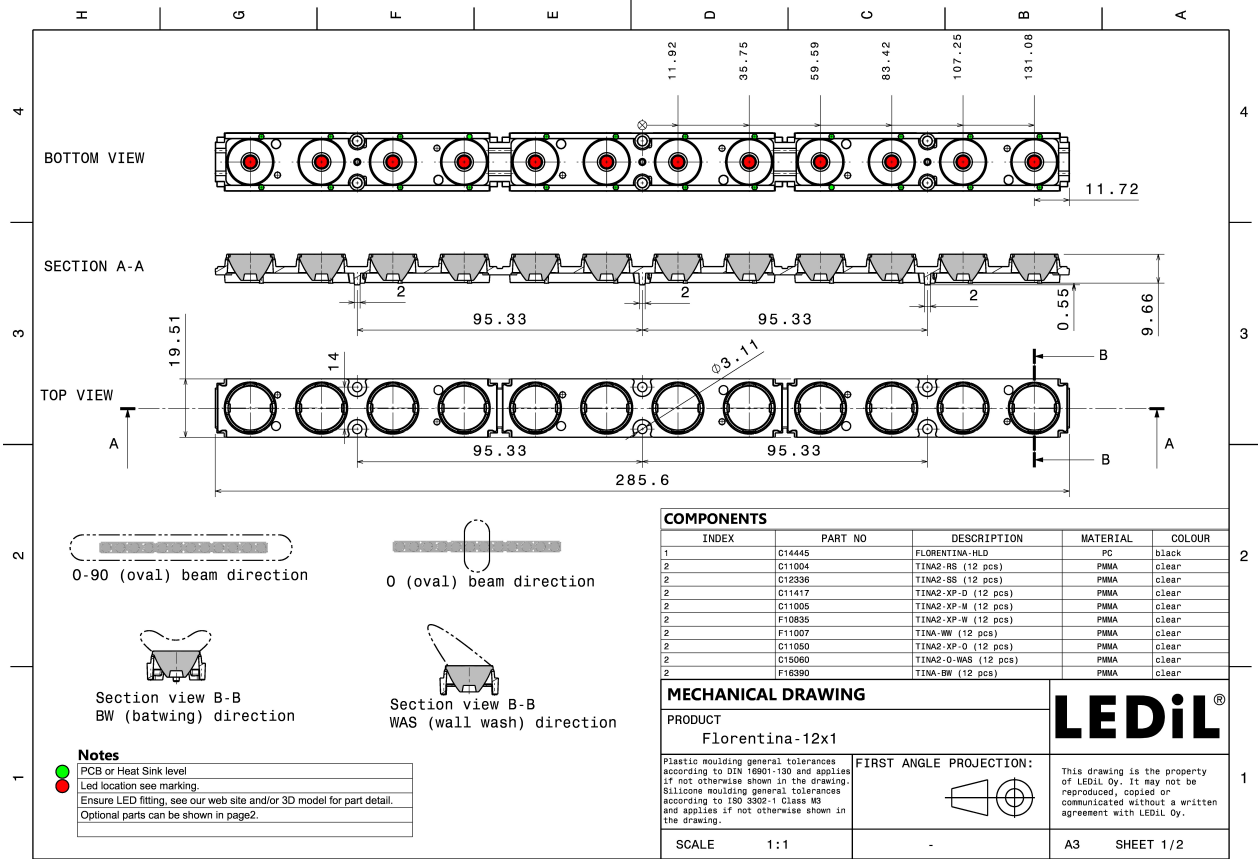
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

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

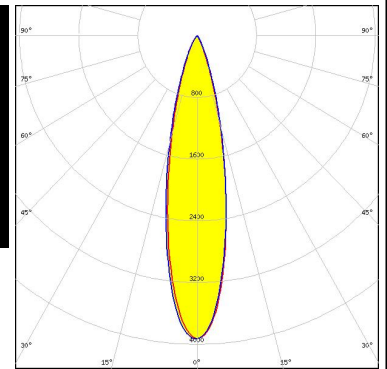
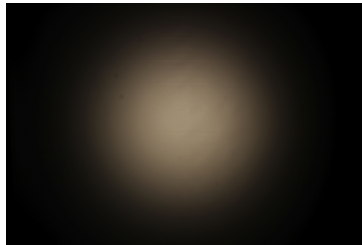


See also our general installation guide: www.ledil.com/installation_guide

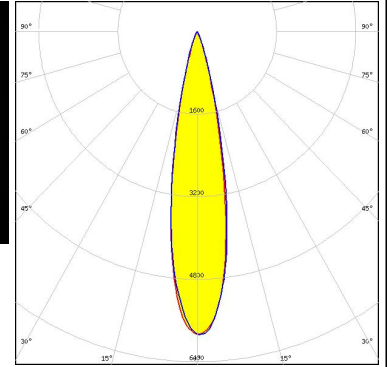
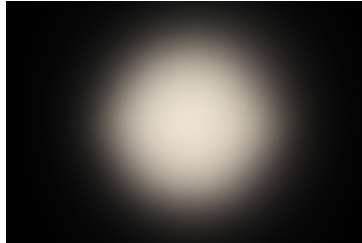
PHOTOMETRIC DATA (MEASURED):



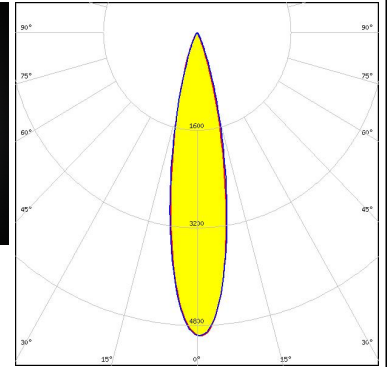
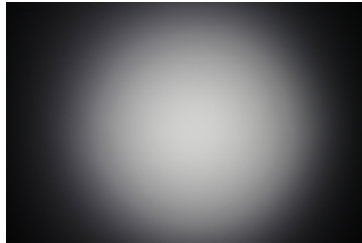
LED QUICK FLUX LED FL-XG 1x12 xxx
FWHM / FWTM 23.0° / 46.0°
Efficiency 83 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



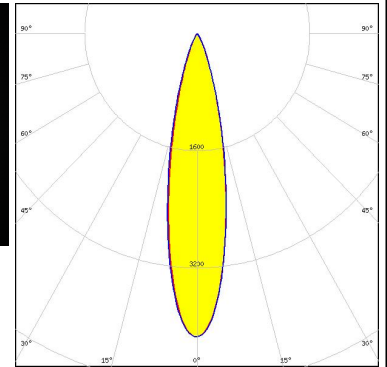
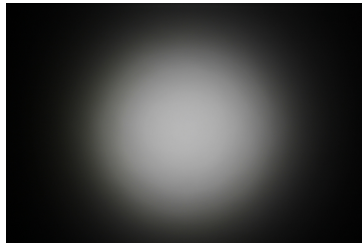
LED XP-E2
FWHM / FWTM 21.0° / 36.0°
Efficiency 85 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



LED XP-G2
FWHM / FWTM 22.0° / 41.0°
Efficiency 87 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



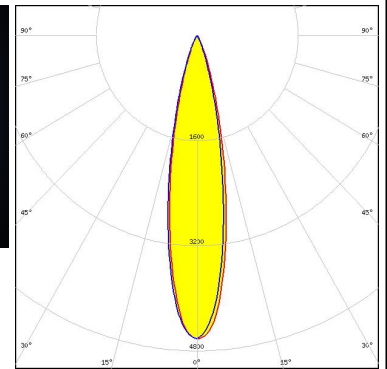
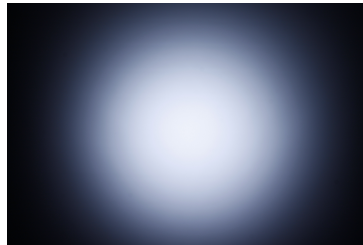
LED XP-G3
FWHM / FWTM 23.0° / 45.0°
Efficiency 83 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

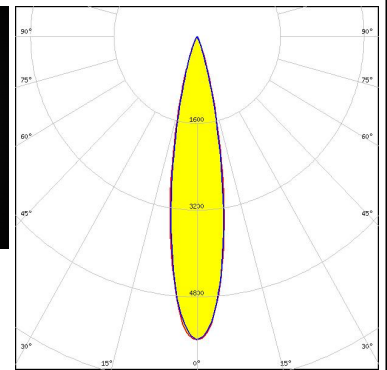
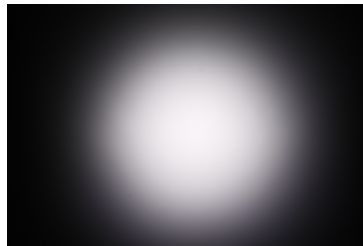
LUMILEDS

LED LUXEON Rebel ES
 FWHM / FWTM 22.0° / 42.0°
 Efficiency 83 %
 Peak intensity 4.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



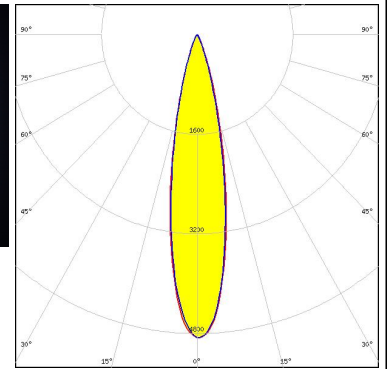
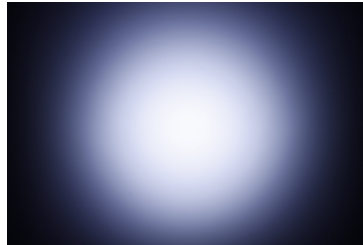
LUMILEDS

LED LUXEON Rebel Plus
 FWHM / FWTM 20.0° / 38.0°
 Efficiency 84 %
 Peak intensity 5.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



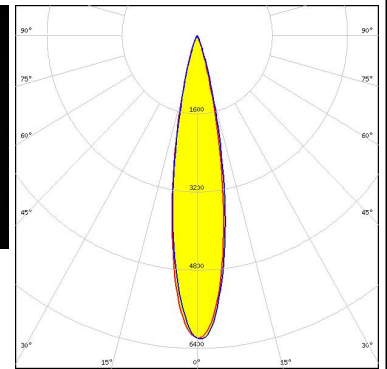
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 21.0° / 41.0°
 Efficiency 84 %
 Peak intensity 4.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD


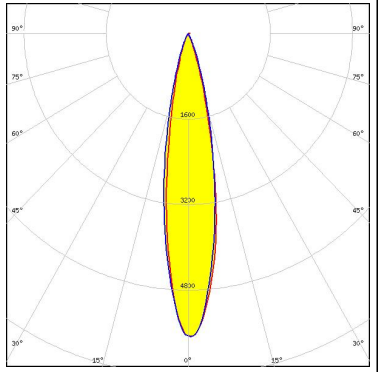

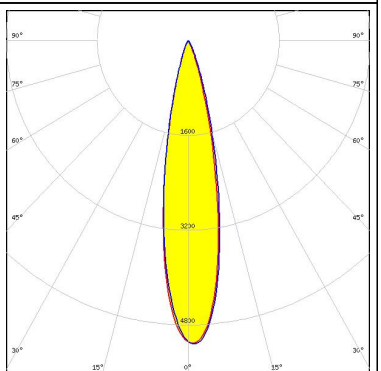

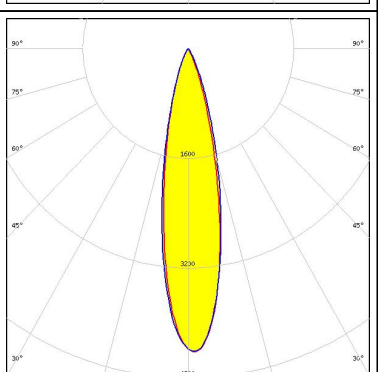

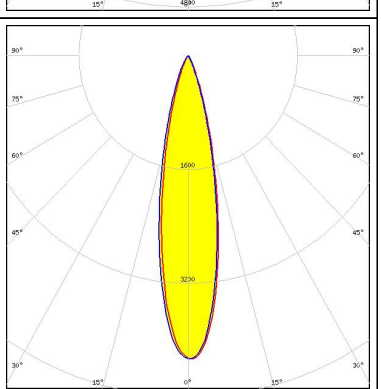


LUMILEDS


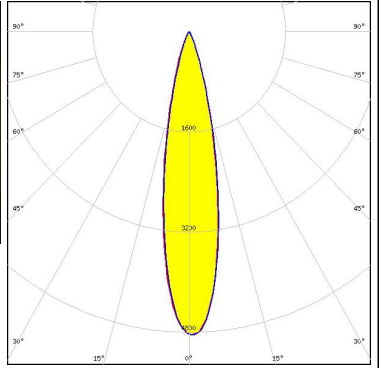

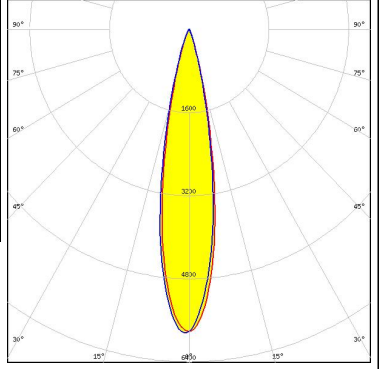
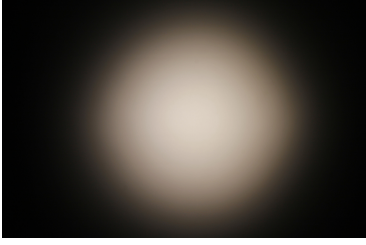
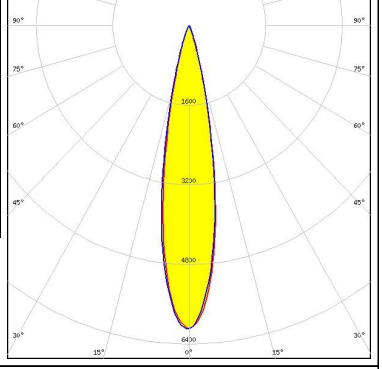

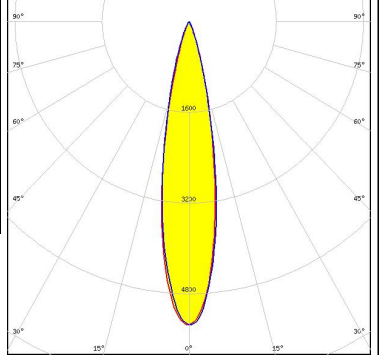
LED LUXEON Z ES
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 85 %
 Peak intensity 6.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 20.0° / 38.0° Efficiency 82 % Peak intensity 5.7 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 21.0° / 39.0° Efficiency 84 % Peak intensity 5.1 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>NICHIA</p> <p>LED NF2x757G FWHM / FWTM 22.0° / 44.0° Efficiency 87 % Peak intensity 4.5 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 22.0° / 43.0° Efficiency 82 % Peak intensity 4.3 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |  |

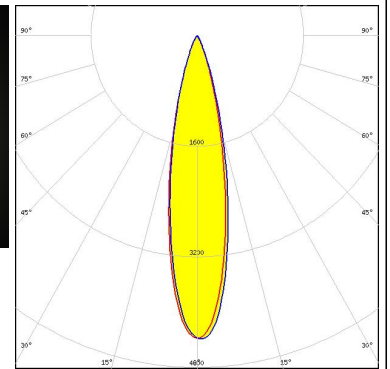
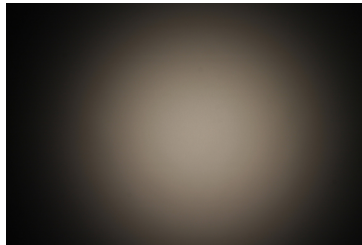
PHOTOMETRIC DATA (MEASURED):

| | | |
|--|--|---|
| <p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 21.0° / 40.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 4.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 20.0° / 36.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 5.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 20.0° / 35.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 6.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 80</p> <p>FWHM / FWTM 20.0° / 38.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 5.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |

PHOTOMETRIC DATA (MEASURED):

SAMSUNG

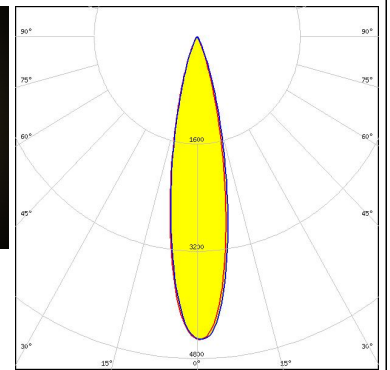
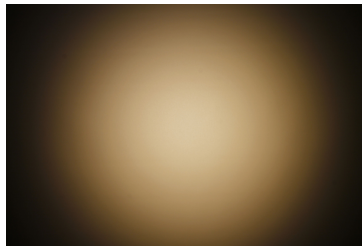
LED LH351B
 FWHM / FWTM 22.0° / 43.0°
 Efficiency 84 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



TOSHIBA

Leading Innovation >>>

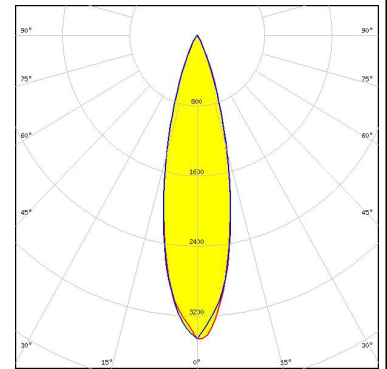
LED TL1L4
 FWHM / FWTM 22.0° / 42.0°
 Efficiency 81 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



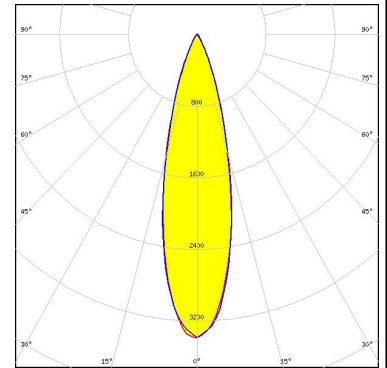
PHOTOMETRIC DATA (SIMULATED):



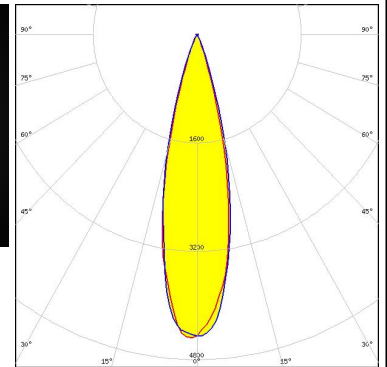
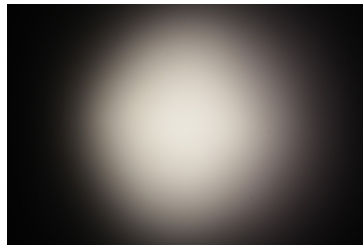
LED J Series 3030
 FWHM / FWTM 26.0° / 48.0°
 Efficiency 84 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



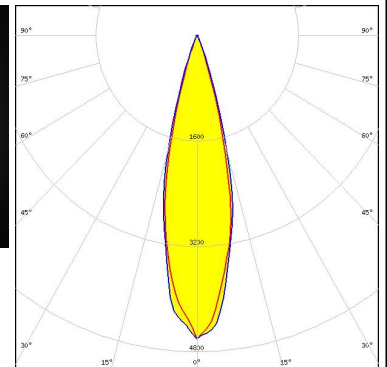
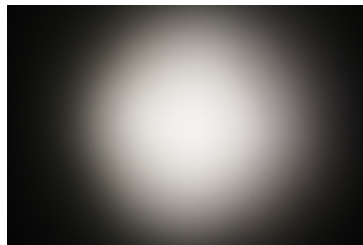
LED J Series 3030
 FWHM / FWTM 26.0° / 50.0°
 Efficiency 89 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XQ-E HD
 FWHM / FWTM 25.0° / 41.0°
 Efficiency 89 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



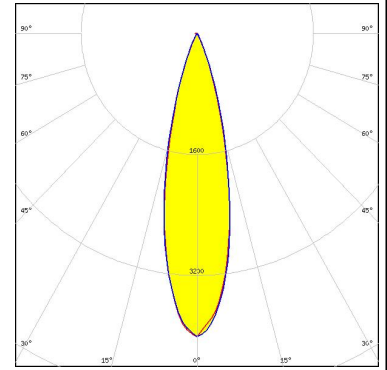
LED XQ-E HI
 FWHM / FWTM 26.0° / 40.0°
 Efficiency 89 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



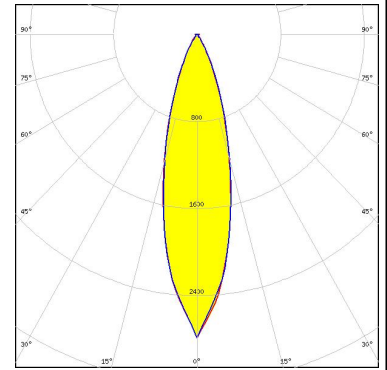
PHOTOMETRIC DATA (SIMULATED):



LED NVSxE21A
FWHM / FWTM 25.0° / 45.0°
Efficiency 86 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



LED NWSx229A
FWHM / FWTM 27.0° / 54.0°
Efficiency 84 %
Peak intensity 2.8 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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