

FLORENTINA-HLD-O

~35° + 12° oval beam

SPECIFICATION:

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

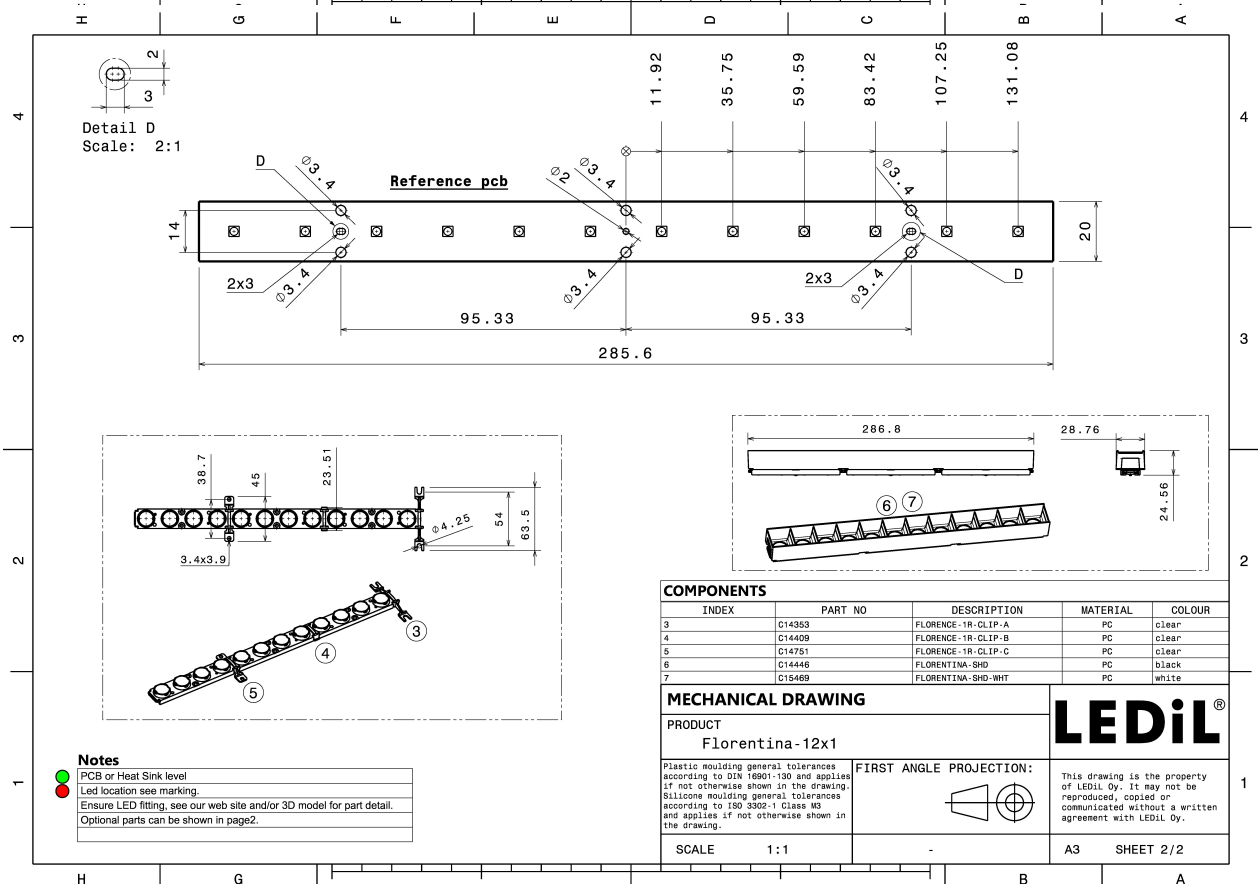
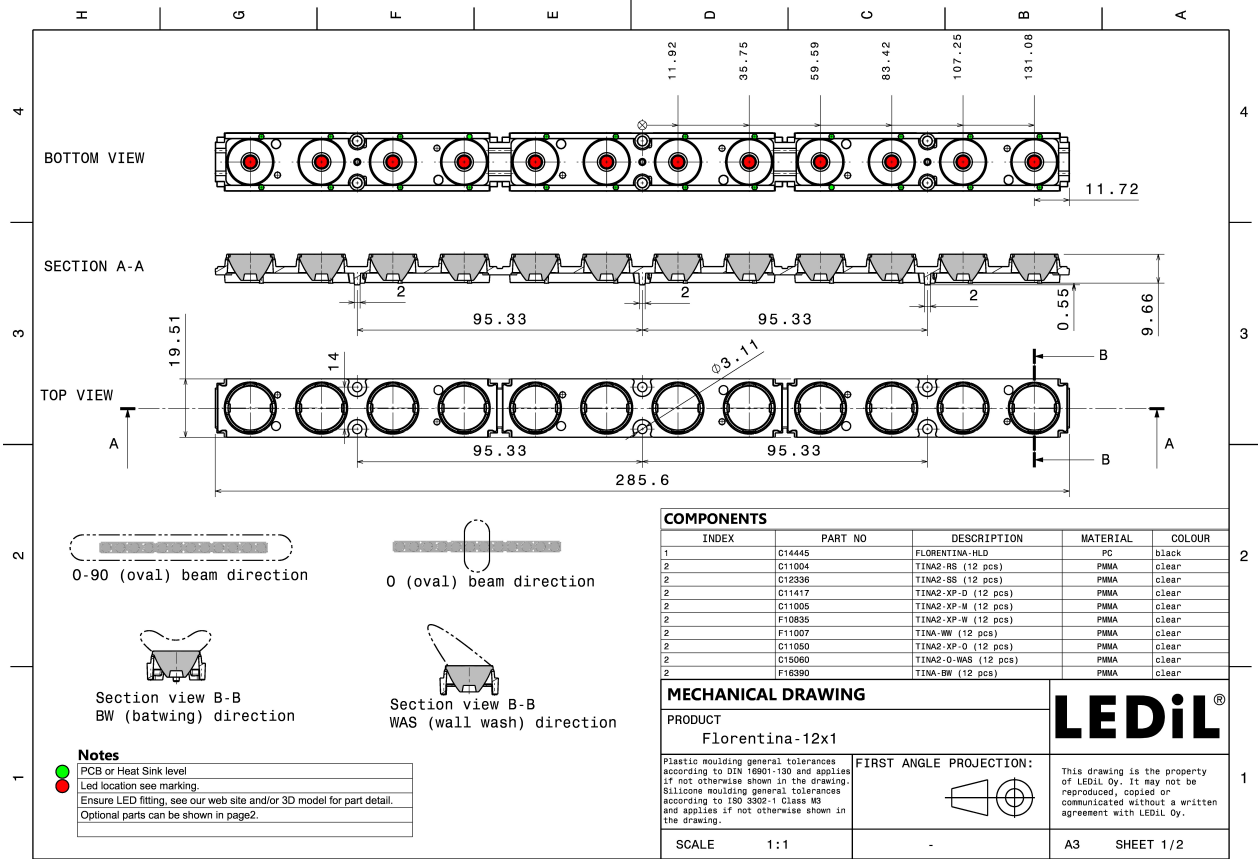
MATERIALS:

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

ORDERING INFORMATION:


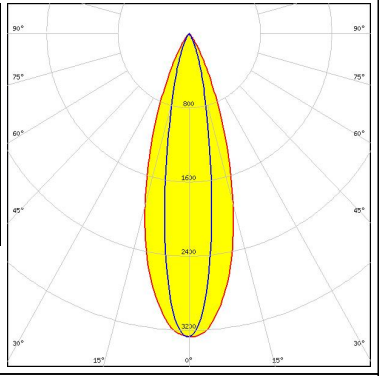

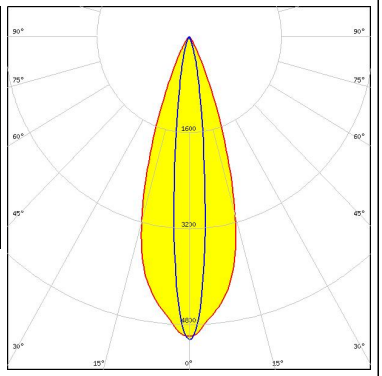

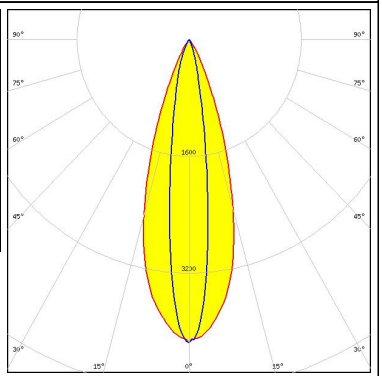

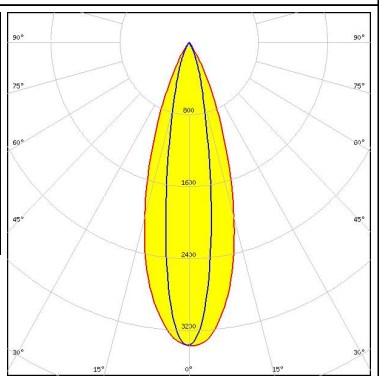
| Component | Type | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|-------------|------------|-----|-----|-----------------|
| CP14995_FLORENTINA-HLD-O » Box size: 398 x 298 x 140 mm | Single lens | 160 | 32 | 16 | 5.4 |





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

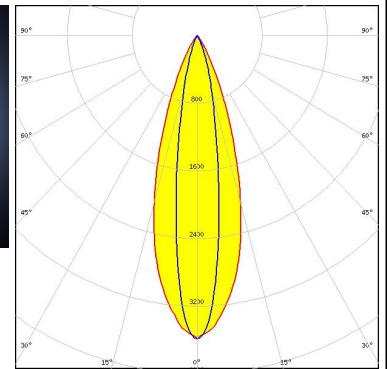
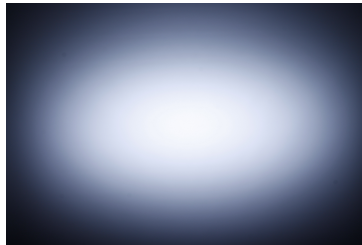
OPTICAL RESULTS (MEASURED):

| | | |
|---|--|---|
| <p>COMET ELECTRONICS</p> <p>LED QUICK FLUX LED FL-XG 1x12 xxx</p> <p>FWHM / FWTM 34.0 + 18.0° / 59.0 + 41.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 3.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>CREE LEDs</p> <p>LED XP-E2</p> <p>FWHM / FWTM 35.0 + 12.0° / 54.0 + 29.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 5.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>CREE LEDs</p> <p>LED XP-G2</p> <p>FWHM / FWTM 34.0 + 15.0° / 56.0 + 35.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 4.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>CREE LEDs</p> <p>LED XP-G3</p> <p>FWHM / FWTM 34.0 + 18.0° / 58.0 + 40.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 3.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |

OPTICAL RESULTS (MEASURED):

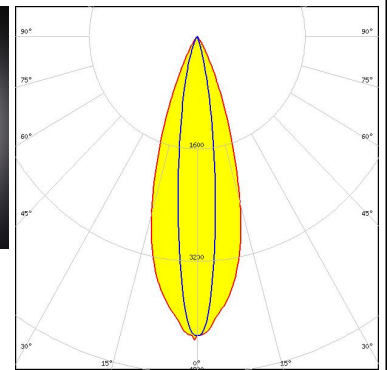
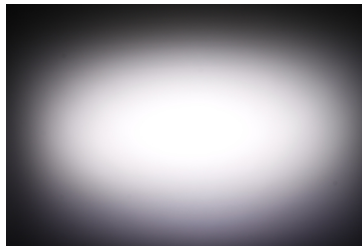
LUMILEDS

LED LUXEON Rebel ES
 FWHM / FWTM 33.0 + 17.0° / 56.0 + 38.0°
 Efficiency 79 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



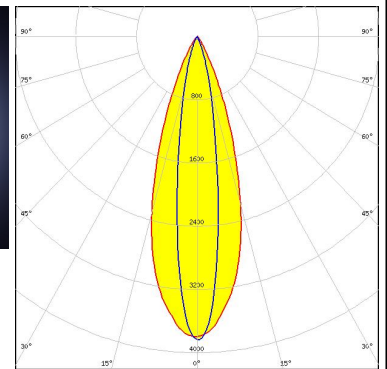
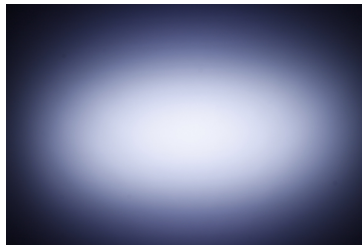
LUMILEDS

LED LUXEON Rebel Plus
 FWHM / FWTM 33.0 + 15.0° / 55.0 + 33.0°
 Efficiency 81 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



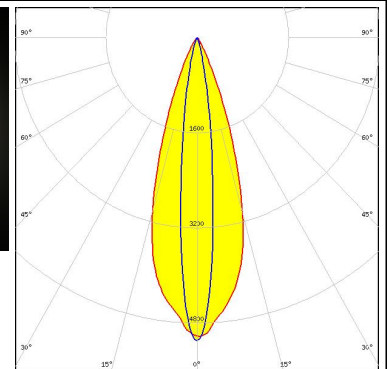
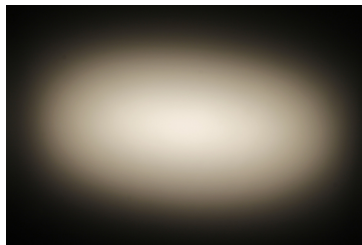
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 34.0 + 16.0° / 57.0 + 36.0°
 Efficiency 81 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD

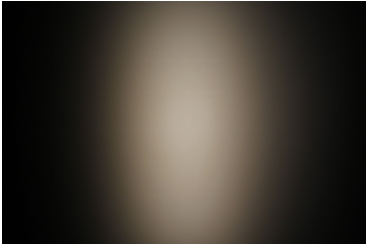
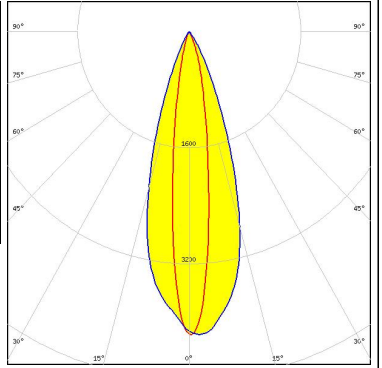
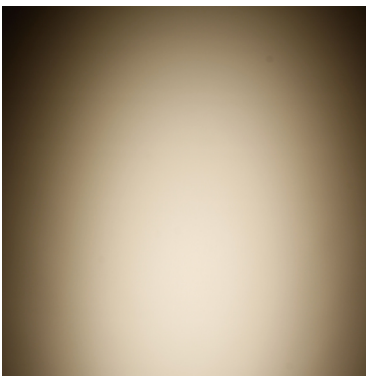
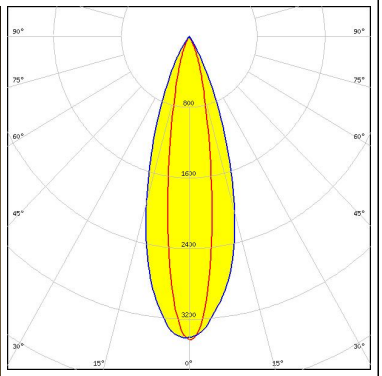

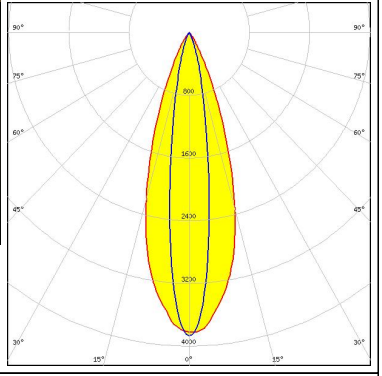
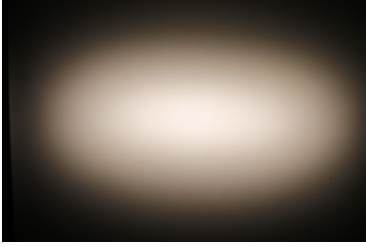
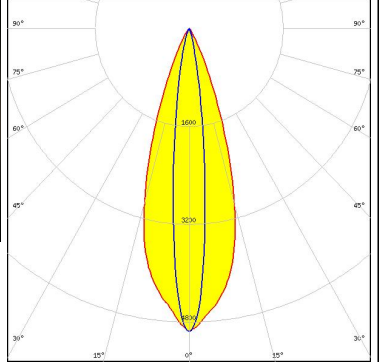


LUMILEDS


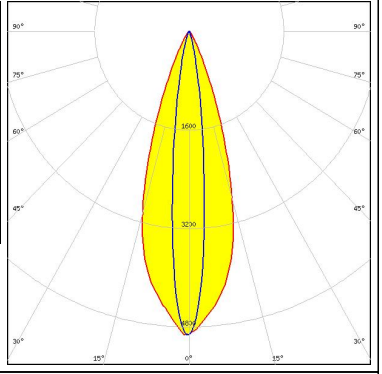

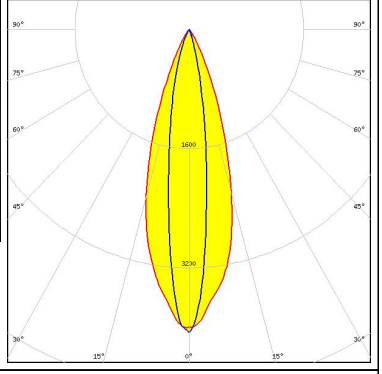
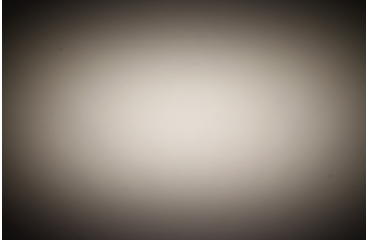
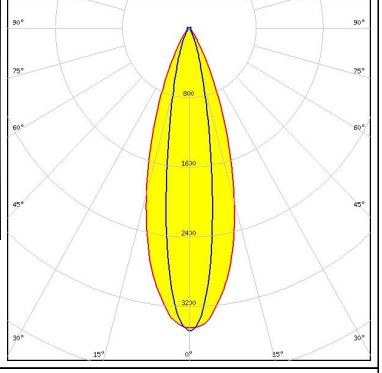
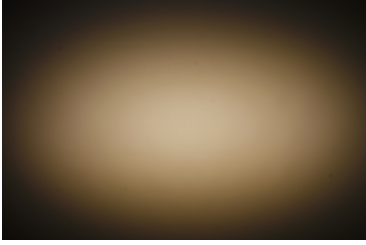
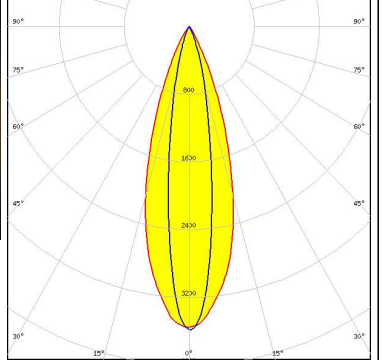
LED LUXEON Z ES
 FWHM / FWTM 34.0 + 13.0° / 54.0 + 27.0°
 Efficiency 82 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



OPTICAL RESULTS (MEASURED):

| | | |
|--|--|---|
| <p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 34.0 + 14.0° / 55.0 + 33.0° Efficiency 79 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 34.0 + 17.0° / 58.0 + 39.0° Efficiency 78 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM Square EC FWHM / FWTM 34.0 + 15.0° / 57.0 + 35.0° Efficiency 79 % Peak intensity 3.9 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM SSL 150 FWHM / FWTM 34.0 + 12.0° / 54.0 + 27.0° Efficiency 80 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |  |

OPTICAL RESULTS (MEASURED):

| | | |
|---|--|---|
| <p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 34.0 + 12.0° / 54.0 + 27.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 4.9 cd/lm</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 80</p> <p>FWHM / FWTM 33.0 + 15.0° / 56.0 + 35.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 4.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>SAMSUNG</p> <p>LED LH351B</p> <p>FWHM / FWTM 34.0 + 18.0° / 60.0 + 40.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |
| <p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L4</p> <p>FWHM / FWTM 34.0 + 17.0° / 57.0 + 38.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 3.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p> |  |  |

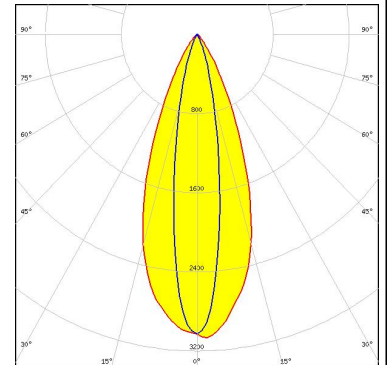
OPTICAL RESULTS (SIMULATED):



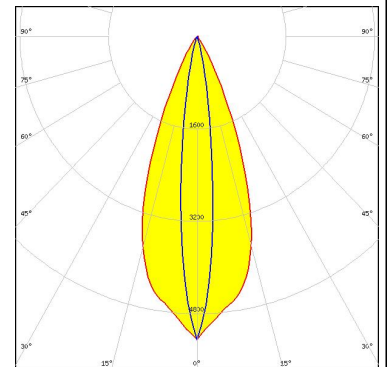
LED J Series 3030
 FWHM / FWTM 40.0 + 18.0° / 64.0 + 38.0°
 Efficiency 82 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



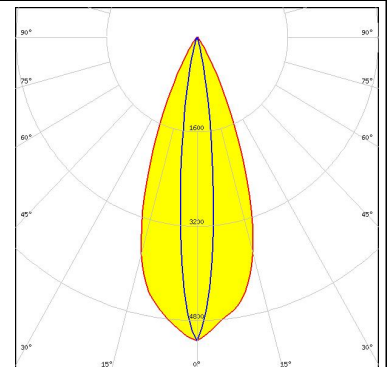
LED J Series 3030
 FWHM / FWTM 40.0 + 18.0° / 68.0 + 40.0°
 Efficiency 87 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NCSxE17A
 FWHM / FWTM 40.0 + 13.0° / 61.0 + 27.0°
 Efficiency 94 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



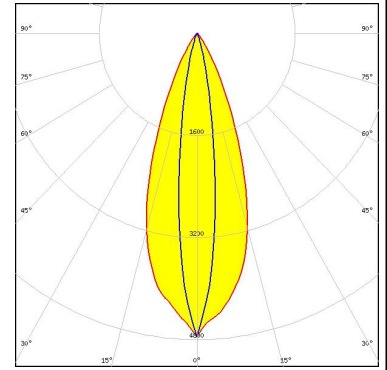
LED NCSxE17A
 FWHM / FWTM 40.0 + 13.0° / 62.0 + 27.0°
 Efficiency 94 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



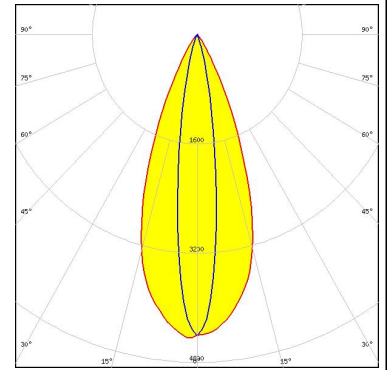
OPTICAL RESULTS (SIMULATED):



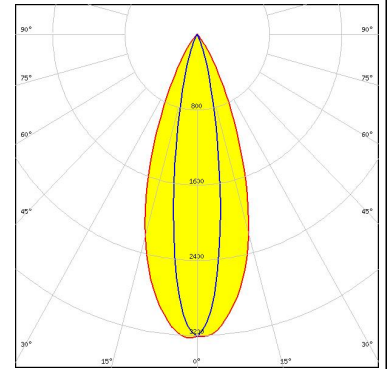
LED NVSxE21A
 FWHM / FWTM 38.0 + 14.0° / 64.0 + 31.0°
 Efficiency 94 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



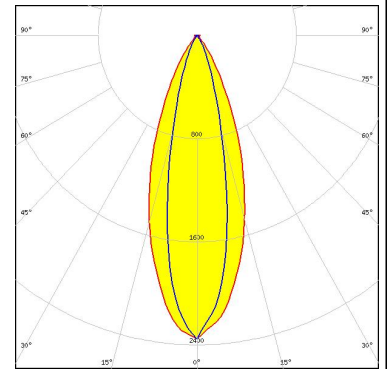
LED NVSxE21A
 FWHM / FWTM 40.0 + 15.0° / 61.0 + 31.0°
 Efficiency 94 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED NVSxx19A
 FWHM / FWTM 39.0 + 18.0° / 66.0 + 38.0°
 Efficiency 84 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED NWSx229A
 FWHM / FWTM 38.0 + 23.0° / 69.0 + 47.0°
 Efficiency 81 %
 Peak intensity 2.4 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:

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.

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

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