


FLORENTINA-HLD-RS

~10° real spot beam

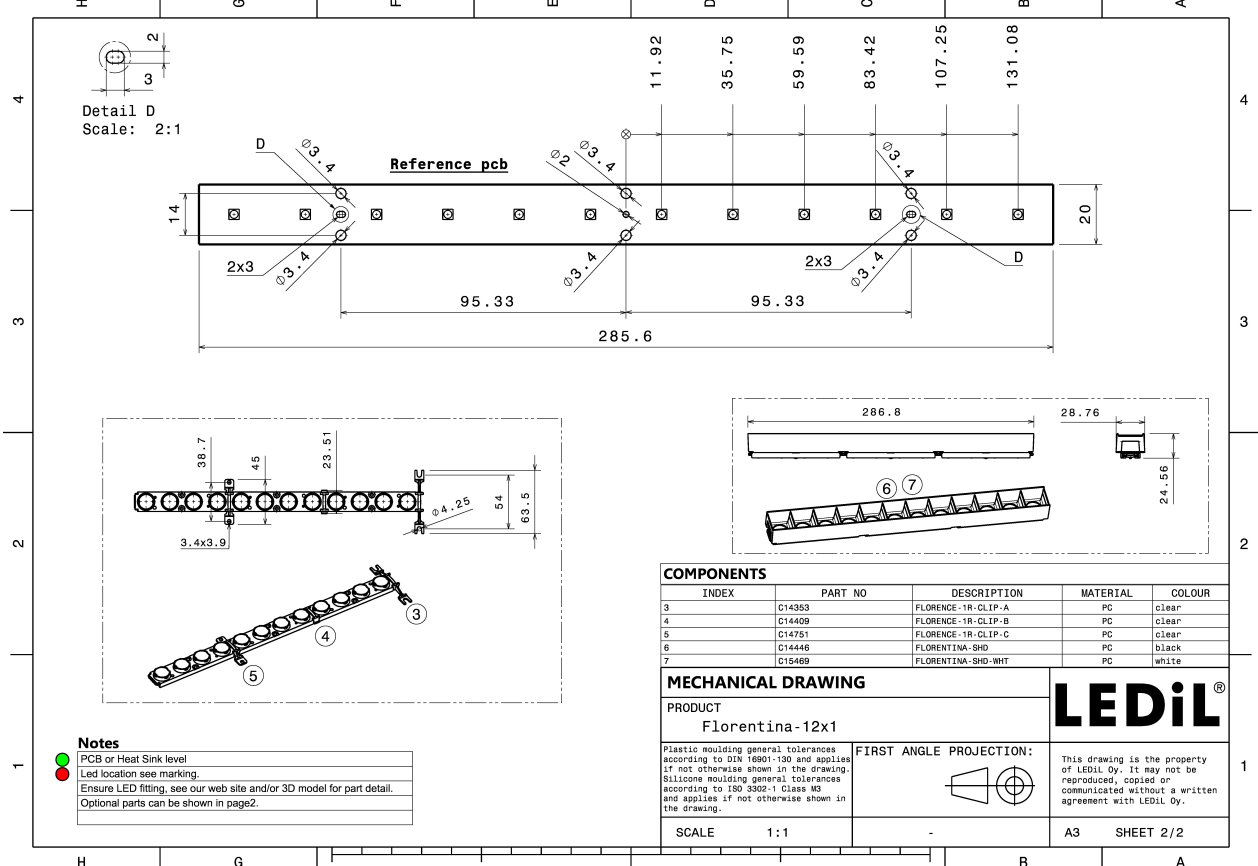
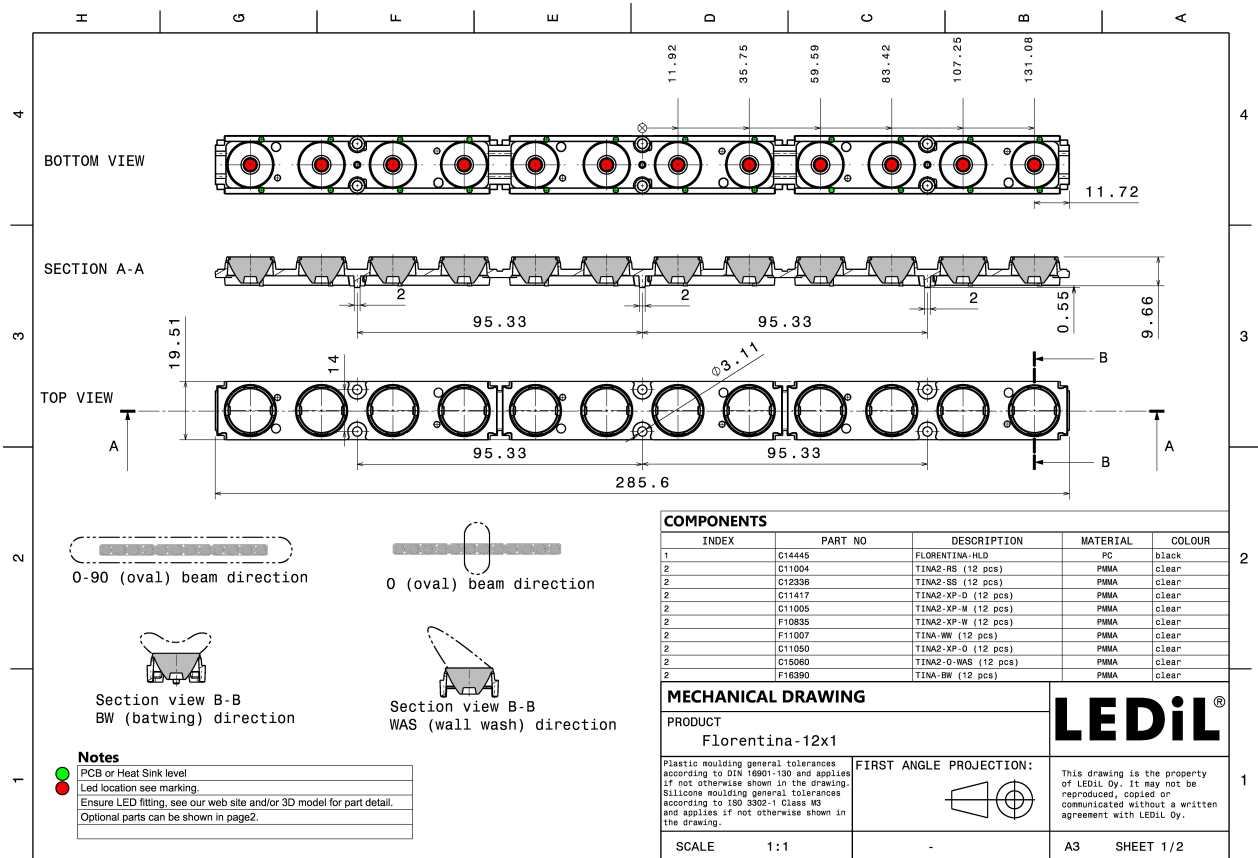
TECHNICAL SPECIFICATIONS:

| | |
|-----------------|---|
| 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:

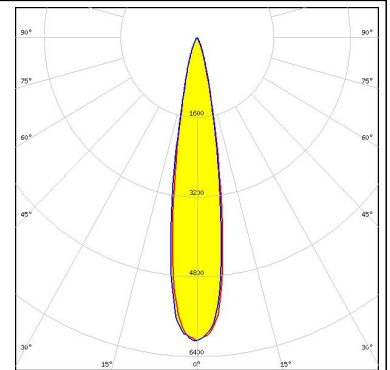
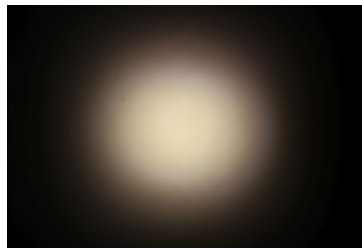
| Component | Type | Material | Colour |
|----------------|-------------|----------|--------|
| TINA2-RS | Single lens | PMMA | clear |
| FLORENTINA-HLD | Holder | PC | black |



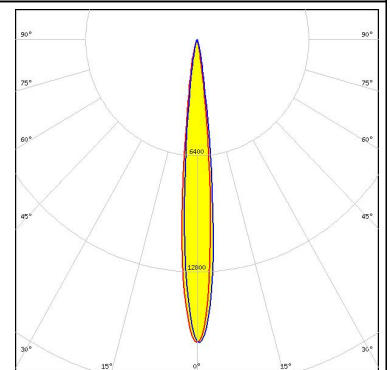
PHOTOMETRIC DATA (MEASURED):



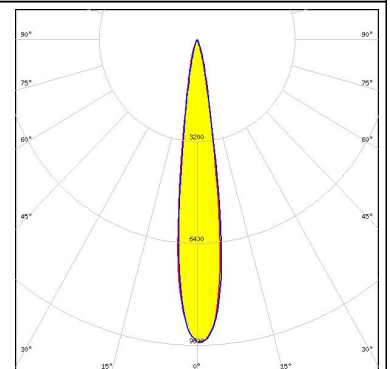
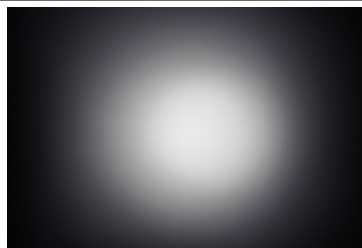
LED QUICK FLUX LED FL-XG 1x12 xxx
 FWHM 18.0°
 Efficiency 84 %
 Peak intensity 6.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



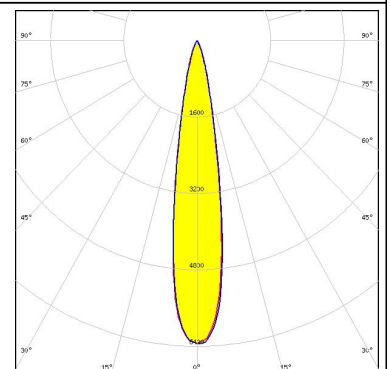
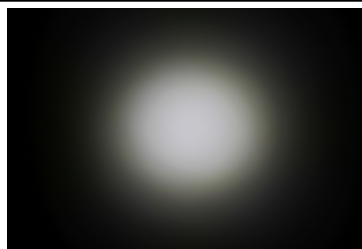
LED XP-E2
 FWHM 11.0°
 Efficiency 84 %
 Peak intensity 16.740 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED XP-G2
 FWHM 15.0°
 Efficiency 86 %
 Peak intensity 9.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



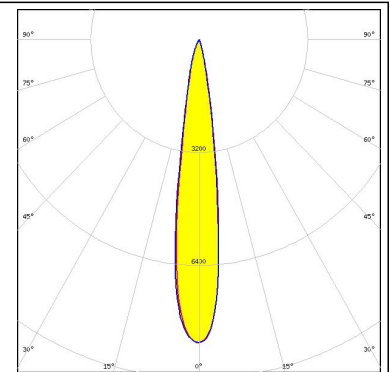
LED XP-G3
 FWHM 18.0°
 Efficiency 84 %
 Peak intensity 6.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

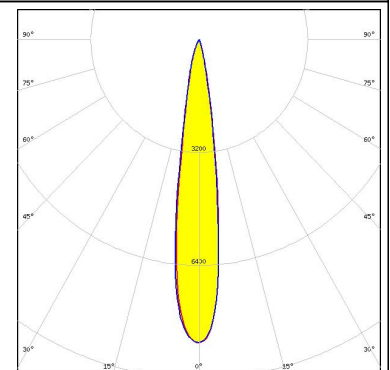
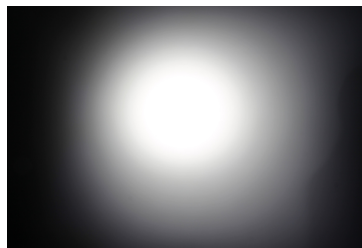
LG Innotek

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



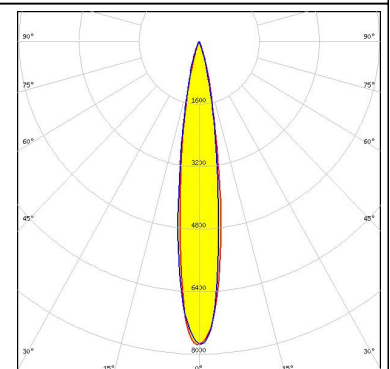
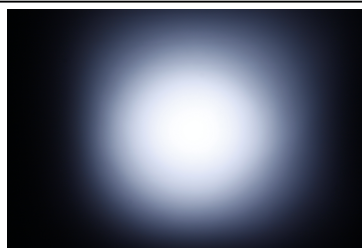
LG Innotek

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



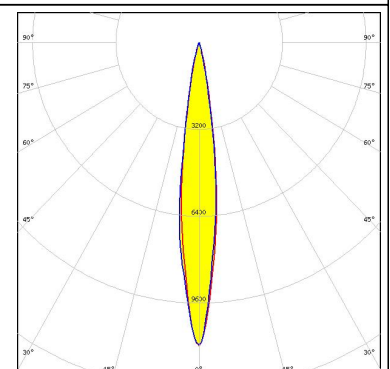
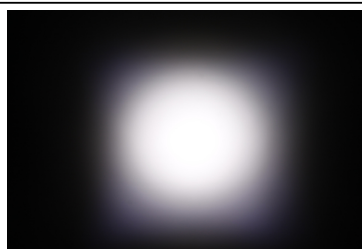
LUMILEDS

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

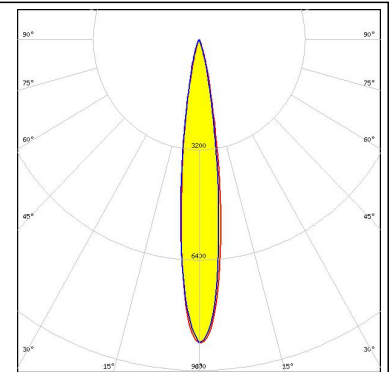
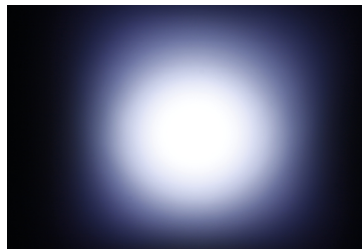
LED LUXEON Rebel Plus
 FWHM 14.0°
 Efficiency 82 %
 Peak intensity 11.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

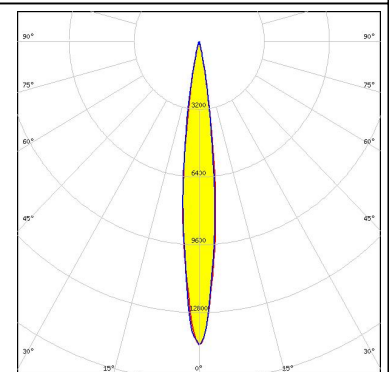
LUMILEDS

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



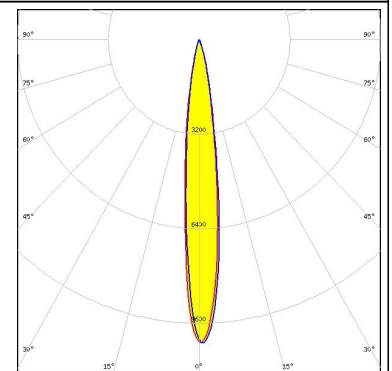
LUMILEDS

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



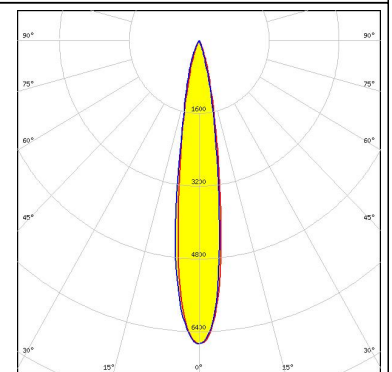
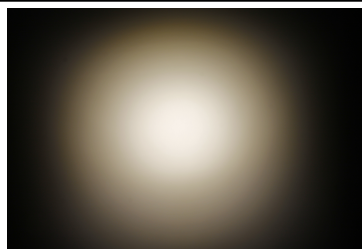
NICHIA

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



NICHIA

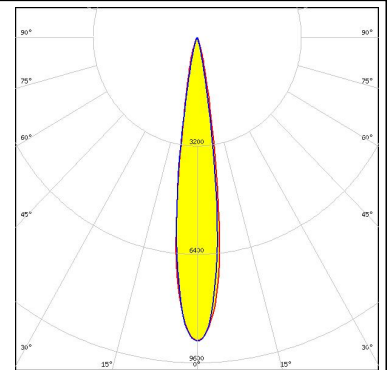
LED NVSxx19B/NVSxx19C
 FWHM 16.0°
 Efficiency 79 %
 Peak intensity 6.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

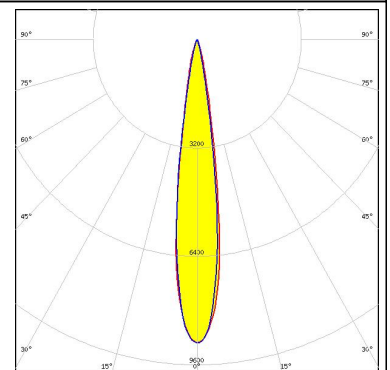
OSRAM
Opto Semiconductors

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



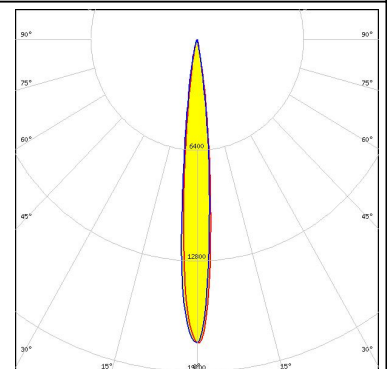
OSRAM
Opto Semiconductors

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



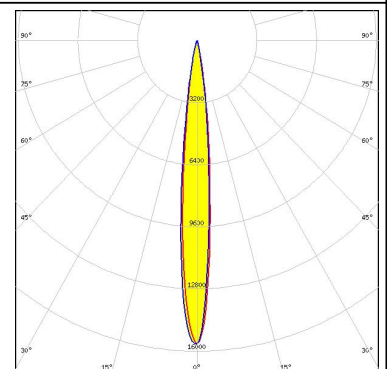
OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM 11.0°
Efficiency 82 %
Peak intensity 17.600 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:

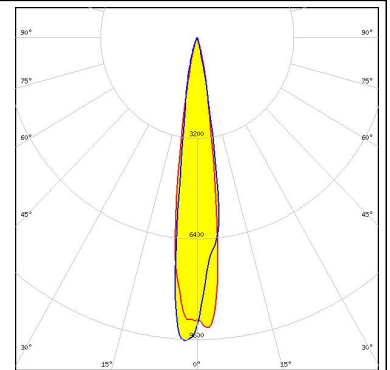


PHOTOMETRIC DATA (MEASURED):

OSRAM

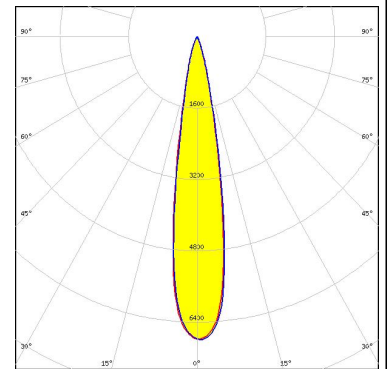
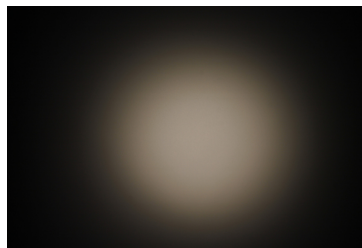
Opto Semiconductors

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

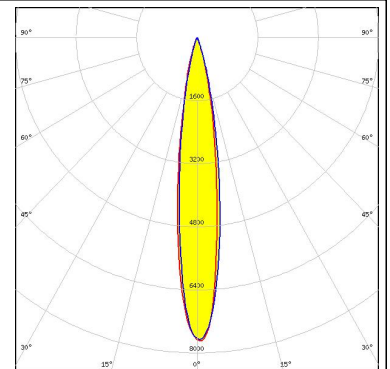
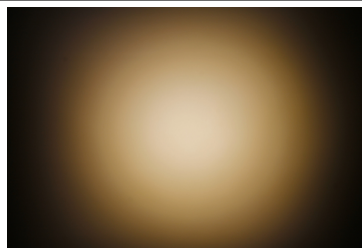
LED LH351B
 FWHM 18.0°
 Efficiency 84 %
 Peak intensity 6.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



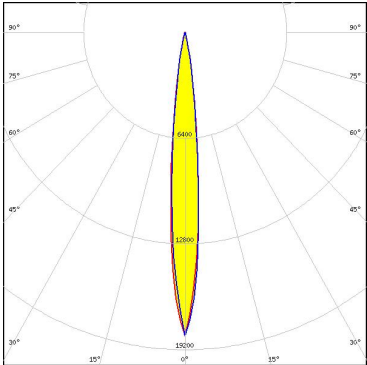
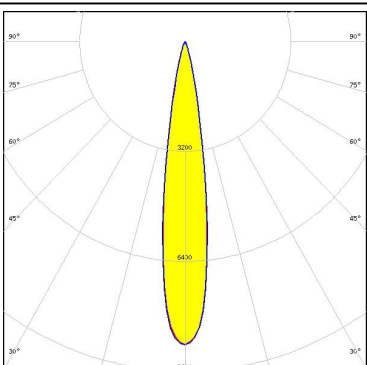
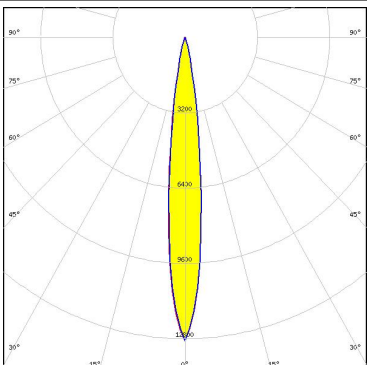
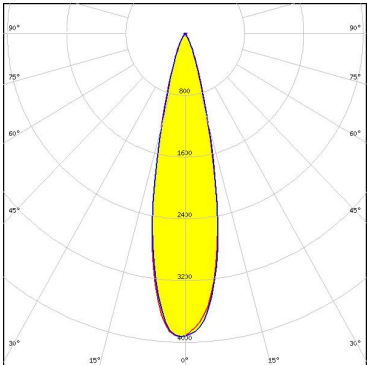
TOSHIBA

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):

| | |
|--|---|
| <p>NICHIA</p> <p>LED NCSxE17A FWHM 11.0° Efficiency 88 % Peak intensity 22.360 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |
| <p>NICHIA</p> <p>LED NVSU119C FWHM 16.0° Efficiency 92 % Peak intensity cd/lm LEDs/each optic 1 Light colour UV Required components:</p> |  |
| <p>NICHIA</p> <p>LED NVSxE21A FWHM 13.0° Efficiency 88 % Peak intensity 14.700 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p> |  |
| <p>NICHIA</p> <p>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</p> |  |

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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Hong Kong, China

Distribution Partners

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