

FLORENTINA-HLD-SS

~16° smooth spot beam

TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	9.5 mm
Fastening	screw
Colour	black
Box size	398 x 298 x 140 mm
Box weight	3.3 kg
Quantity in Box	160 pcs
ROHS compliant	yes ⓘ



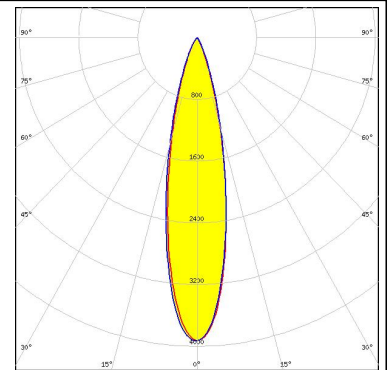
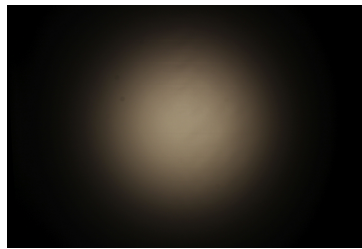
MATERIAL SPECIFICATIONS:

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

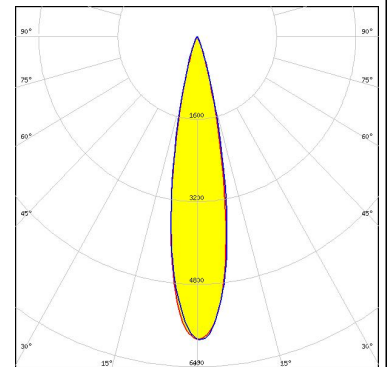
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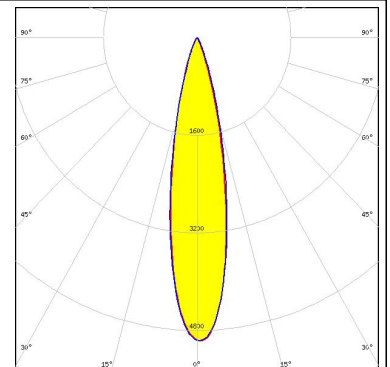
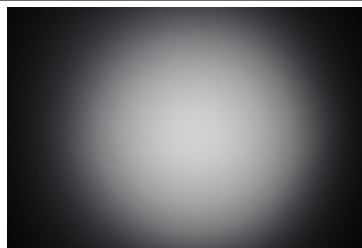
LED QUICK FLUX LED FL-XG 1x12 xxx
FWHM 23.0°
Efficiency 83 %
Peak intensity 3.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



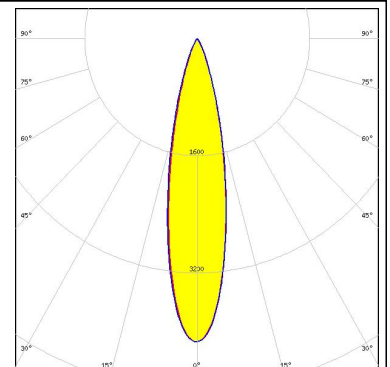
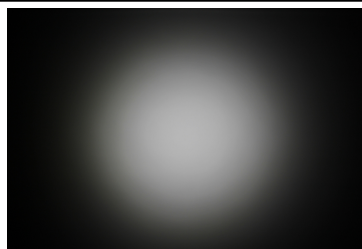
LED XP-E2
FWHM 21.0°
Efficiency 85 %
Peak intensity 5.880 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



LED XP-G2
FWHM 22.0°
Efficiency 87 %
Peak intensity 5.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



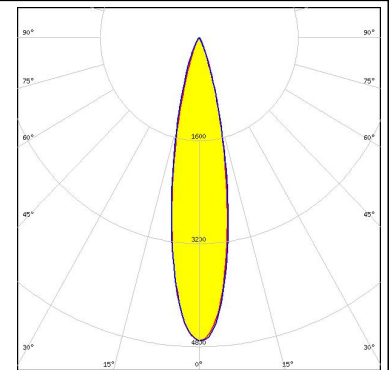
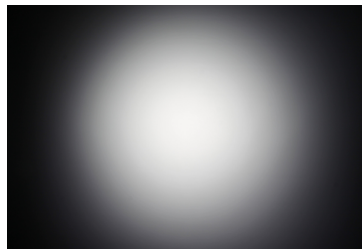
LED XP-G3
FWHM 23.0°
Efficiency 83 %
Peak intensity 4.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C14446_FLORENTINA-SHD



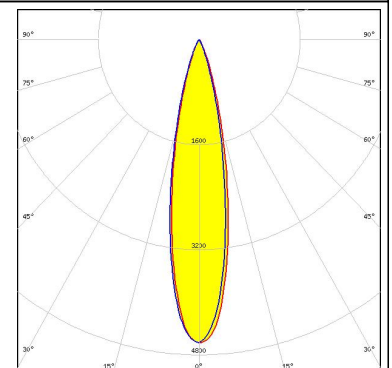
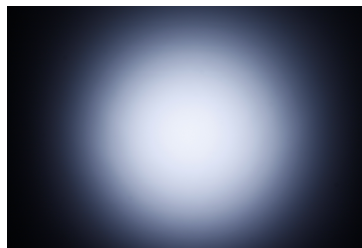
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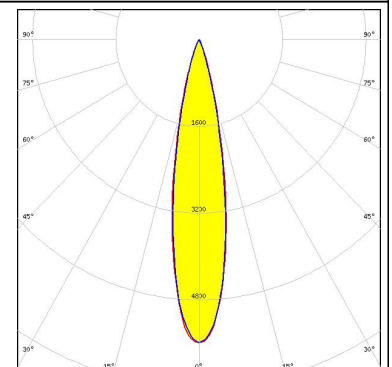
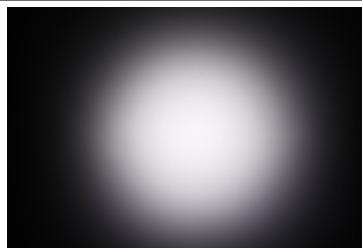
LED H35C1 (LEMWA33)
 FWHM 22.0°
 Efficiency 84 %
 Peak intensity 4.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



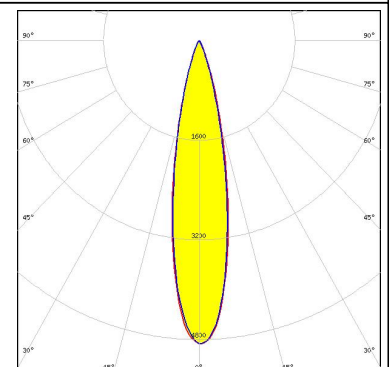
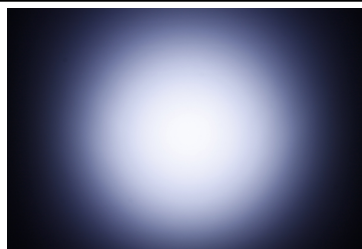
LED LUXEON Rebel ES
 FWHM 22.0°
 Efficiency 83 %
 Peak intensity 4.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED LUXEON Rebel Plus
 FWHM 20.0°
 Efficiency 84 %
 Peak intensity 5.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



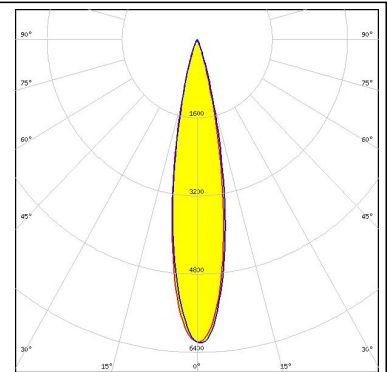
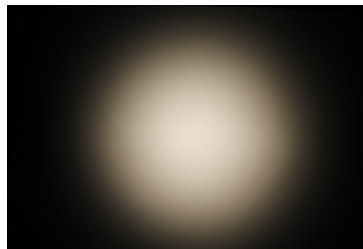
LED LUXEON TX
 FWHM 21.0°
 Efficiency 84 %
 Peak intensity 4.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



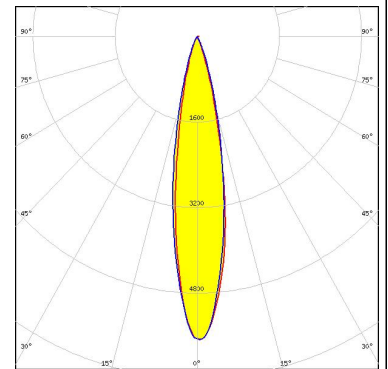
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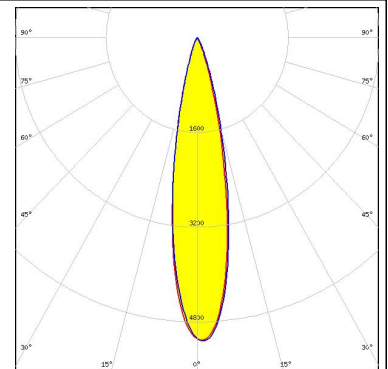
LED LUXEON Z ES
 FWHM 20.0°
 Efficiency 85 %
 Peak intensity 6.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



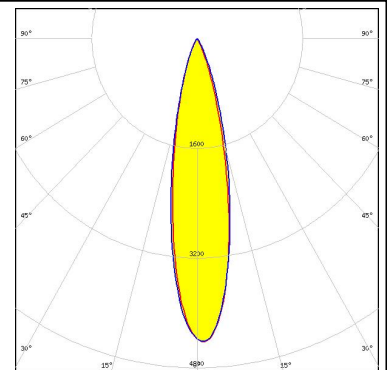
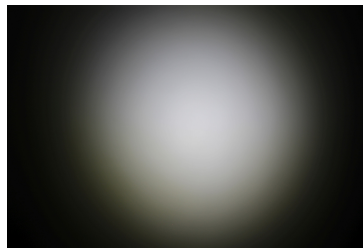
LED NCSxE17A
 FWHM 20.0°
 Efficiency 82 %
 Peak intensity 5.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD




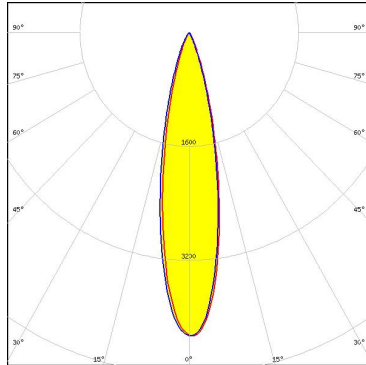
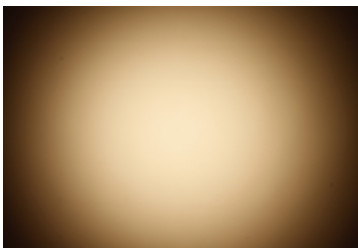
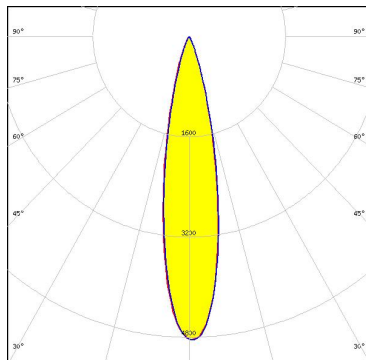

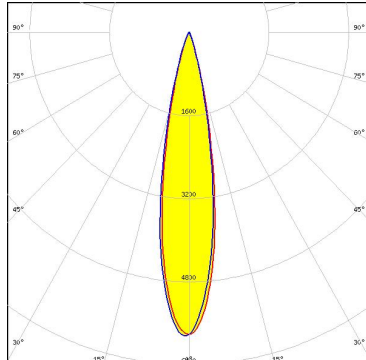
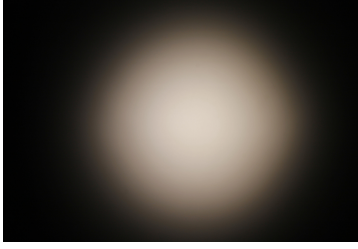
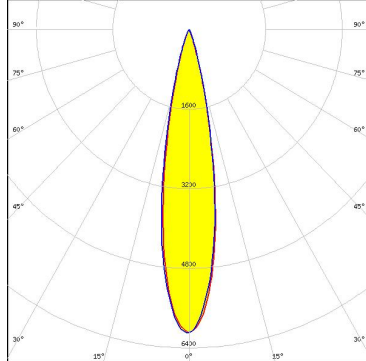
LED NCSxx19B
 FWHM 21.0°
 Efficiency 84 %
 Peak intensity 5.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED NF2x757G
 FWHM 22.0°
 Efficiency 87 %
 Peak intensity 4.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



PHOTOMETRIC DATA (MEASURED):

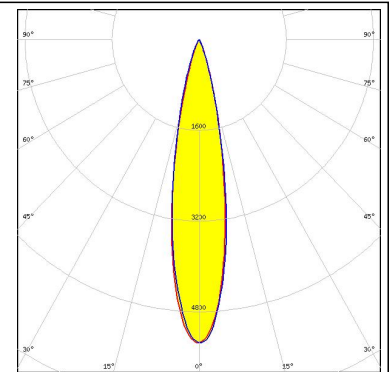
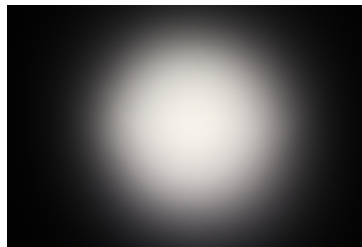
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 22.0° Efficiency 82 % Peak intensity 4.270 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM Square EC FWHM 21.0° Efficiency 82 % Peak intensity 4.850 cd/lm 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 20.0° Efficiency 86 % Peak intensity 5.800 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM SSL 150 FWHM 20.0° Efficiency 83 % Peak intensity 6.100 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

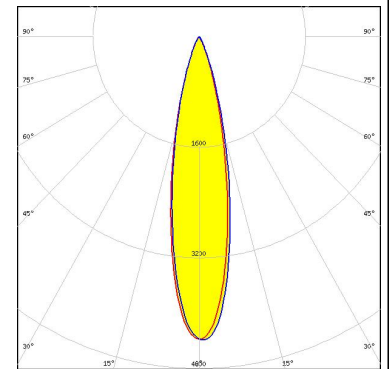
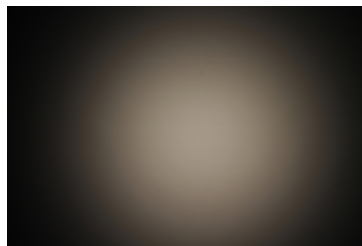
Opto Semiconductors

LED OSLO[®] SSL 80
 FWHM 20.0°
 Efficiency 83 %
 Peak intensity 5.360 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



SAMSUNG

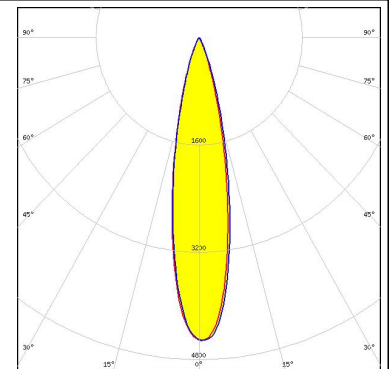
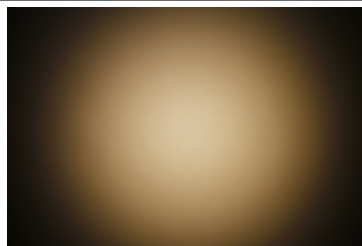
LED LH351B
 FWHM 22.0°
 Efficiency 84 %
 Peak intensity 4.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



TOSHIBA

Leading Innovation >>>

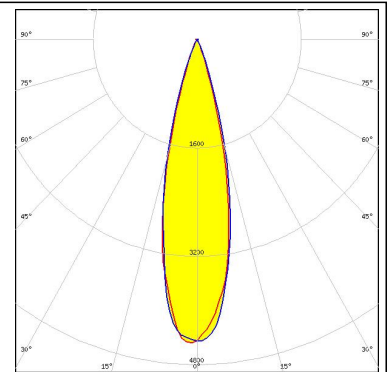
LED TL1L4
 FWHM 22.0°
 Efficiency 81 %
 Peak intensity 4.520 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



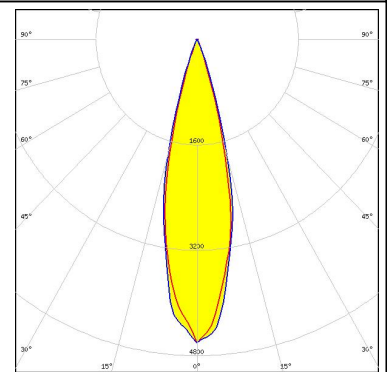
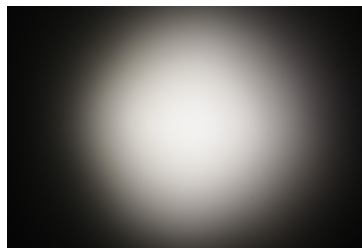
PHOTOMETRIC DATA (SIMULATED):



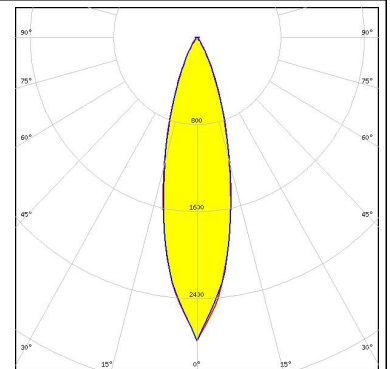
LED XQ-E HD
 FWHM 25.0°
 Efficiency 89 %
 Peak intensity 4.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED XQ-E HI
 FWHM 26.0°
 Efficiency 89 %
 Peak intensity 4.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED NWSx229A
 FWHM 27.0°
 Efficiency 84 %
 Peak intensity 2.790 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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