

FLORENTINA-HLD-SS

~16° smooth spot beam

SPECIFICATION:

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

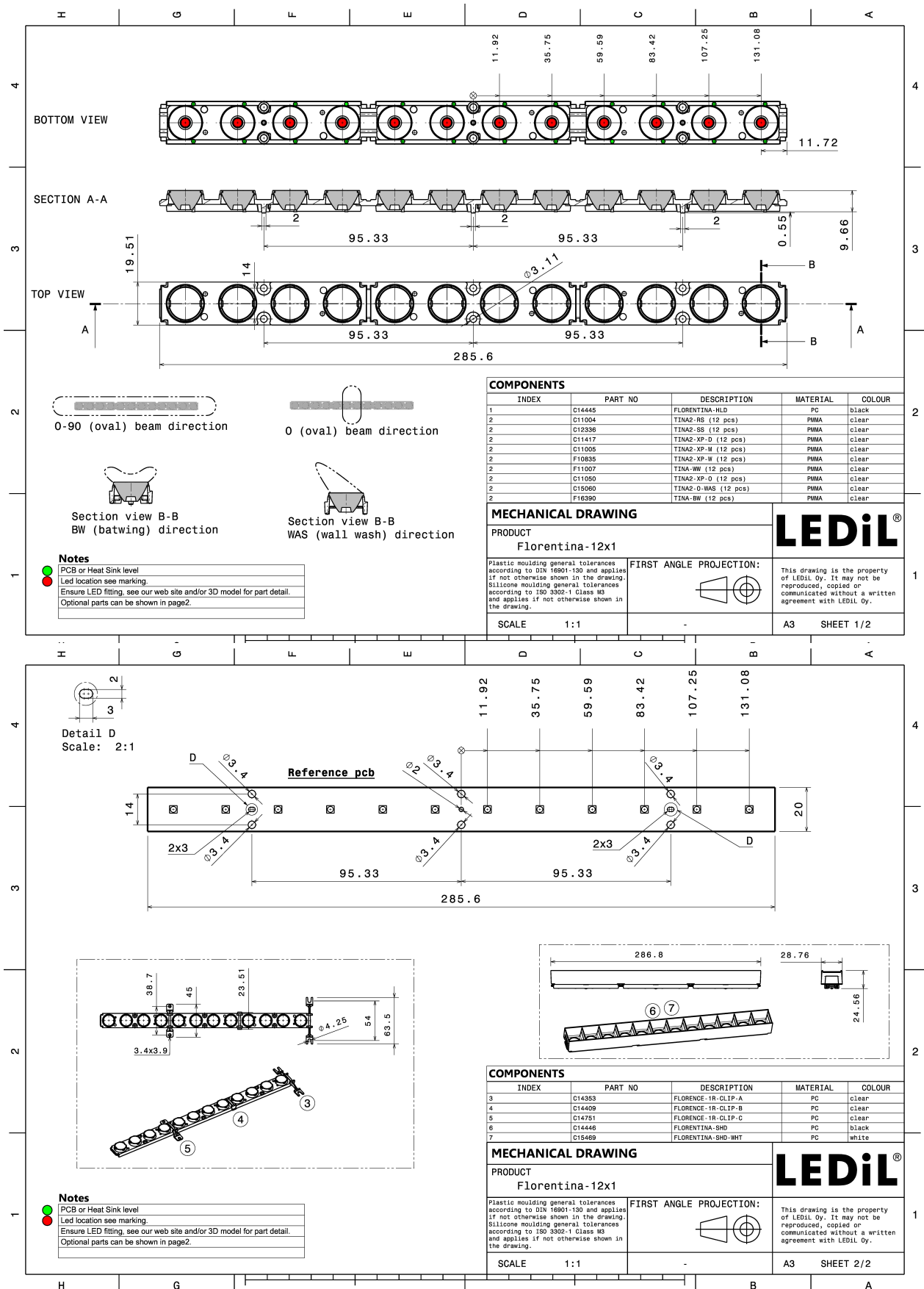
MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA2-SS	Single lens	PMMA	clear		14.8
FLORENTINA-HLD	Holder	PC	black		285.6



ORDERING INFORMATION:

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

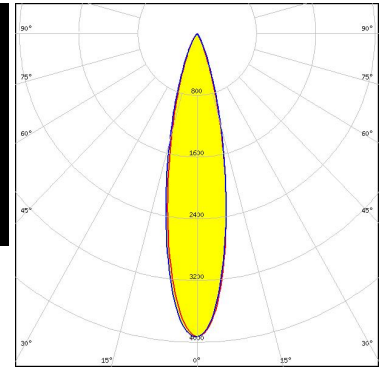
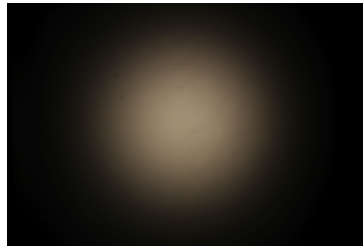


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



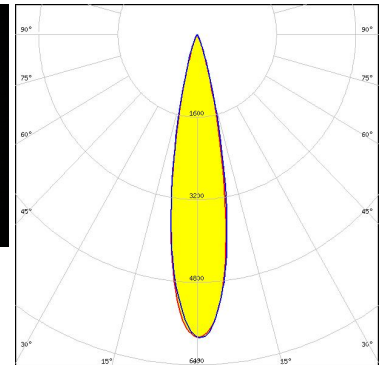
LED QUICK FLUX LED FL-XG 1x12 xxx
 FWHM / FWTM 23.0° / 46.0°
 Efficiency 83 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files



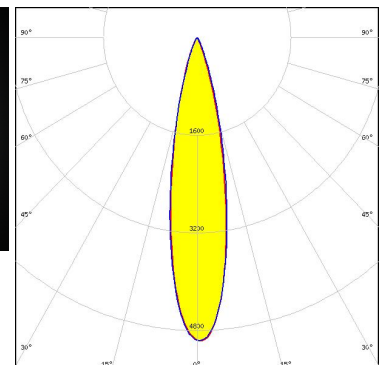
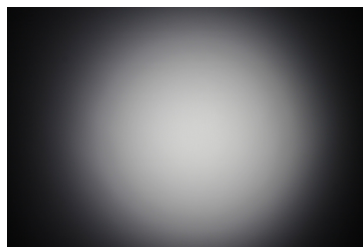
LED XP-E2
 FWHM / FWTM 21.0° / 36.0°
 Efficiency 85 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files



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

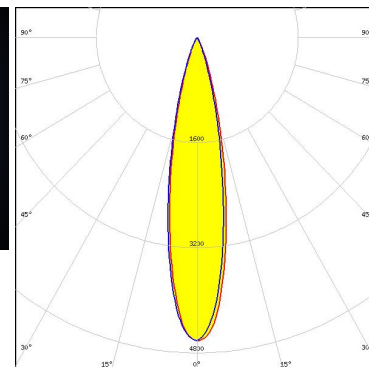
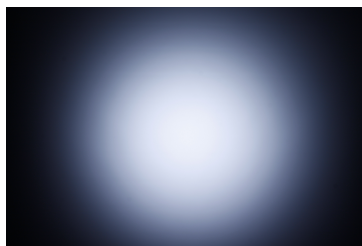


Light distribution files

OPTICAL RESULTS (MEASURED):



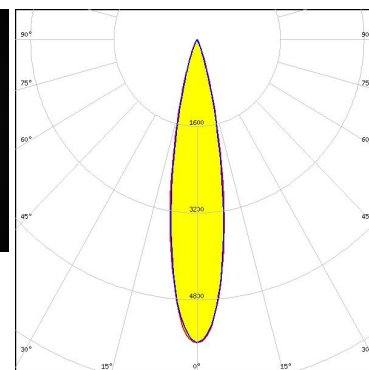
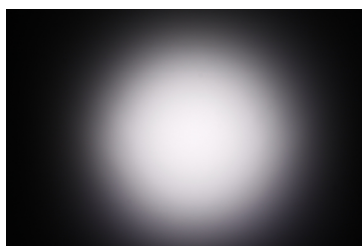
LED LUXEON Rebel ES
 FWHM / FWTM 22.0° / 42.0°
 Efficiency 83 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files



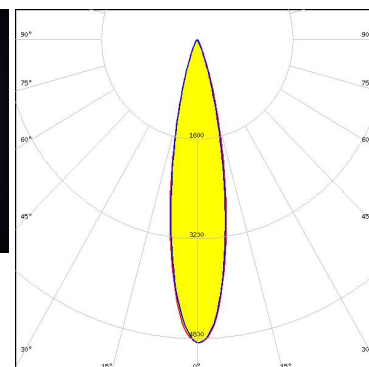
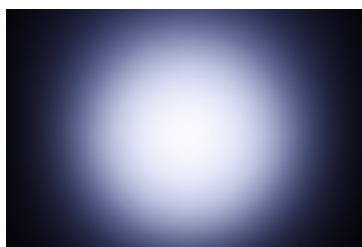
LED LUXEON Rebel Plus
 FWHM / FWTM 20.0° / 38.0°
 Efficiency 84 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files



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

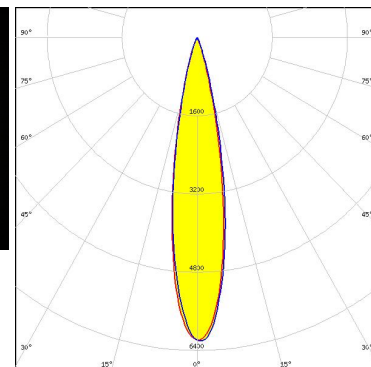
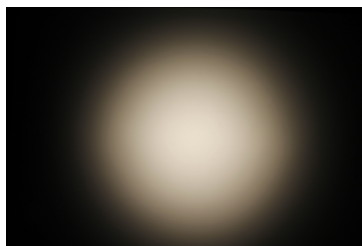


Light distribution files

OPTICAL RESULTS (MEASURED):



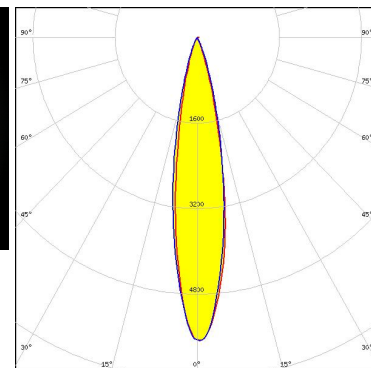
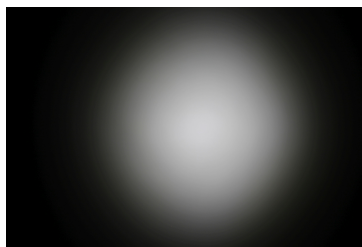
LED LUXEON Z ES
FWHM / FWTM 20.0° / 36.0°
Efficiency 85 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD



Light distribution files



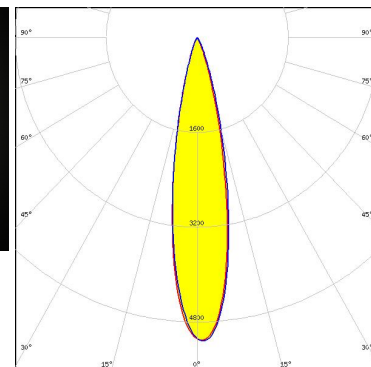
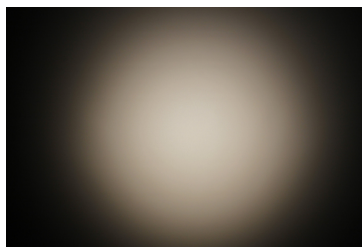
LED NCSxE17A
FWHM / FWTM 20.0° / 38.0°
Efficiency 82 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD



Light distribution files



LED NCSxx19B
FWHM / FWTM 21.0° / 39.0°
Efficiency 84 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

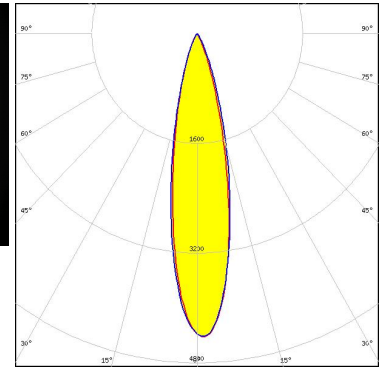
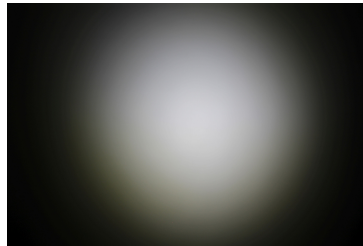


Light distribution files

OPTICAL RESULTS (MEASURED):



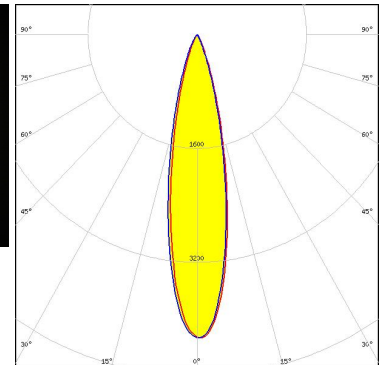
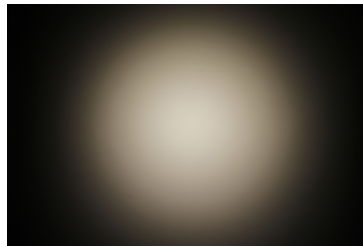
LED NF2x757G
 FWHM / FWTM 22.0° / 44.0°
 Efficiency 87 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files



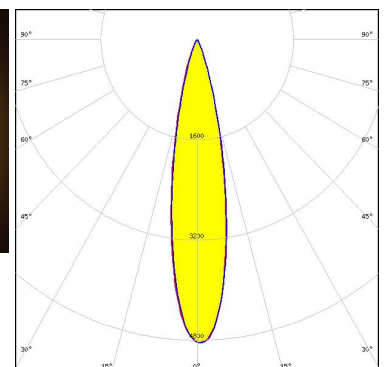
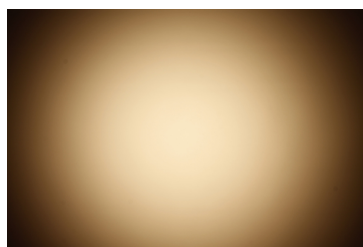
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 22.0° / 43.0°
 Efficiency 82 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files



LED OSLOM Square EC
 FWHM / FWTM 21.0° / 40.0°
 Efficiency 82 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD

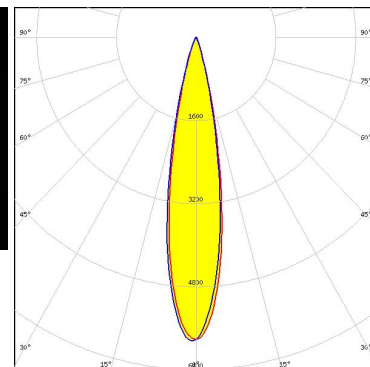
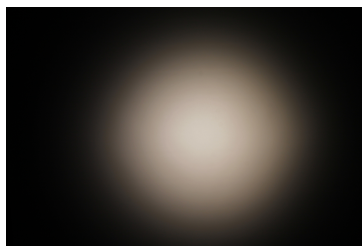


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

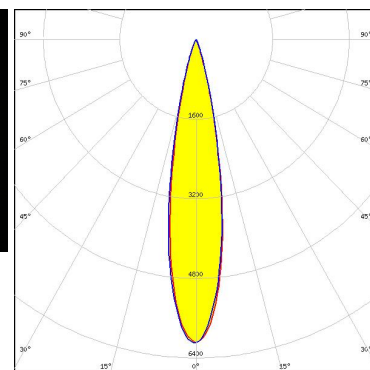
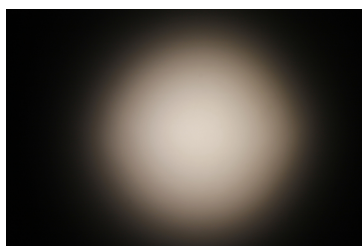
LED OSLON SSL 150
FWHM / FWTM 20.0° / 36.0°
Efficiency 86 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

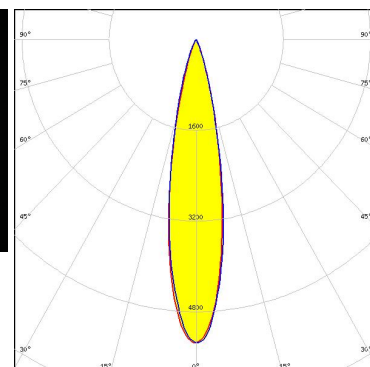
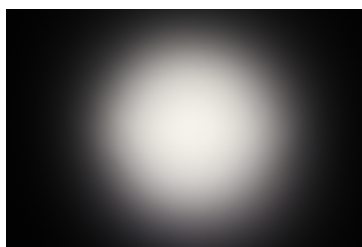
LED OSLON SSL 150
FWHM / FWTM 20.0° / 35.0°
Efficiency 83 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 20.0° / 38.0°
Efficiency 83 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14446_FLORENTINA-SHD

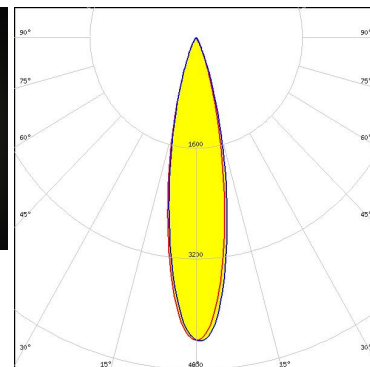
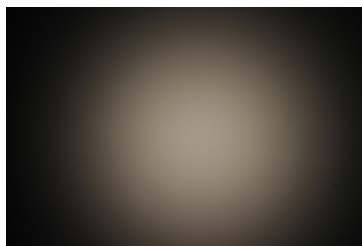


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

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

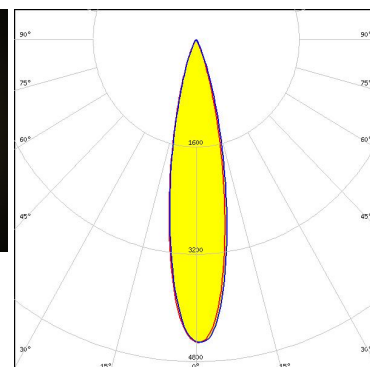
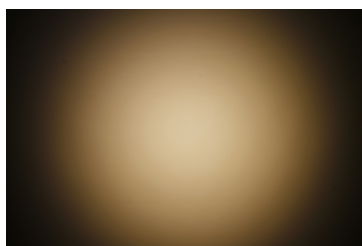


Light distribution files

TOSHIBA

Leading Innovation >>>

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

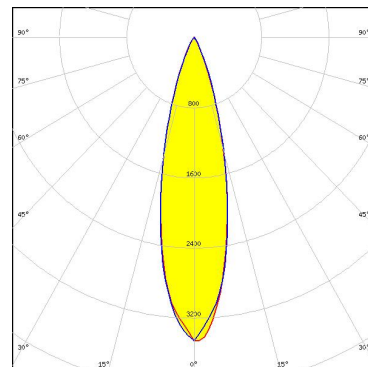


Light distribution files

OPTICAL RESULTS (SIMULATED):



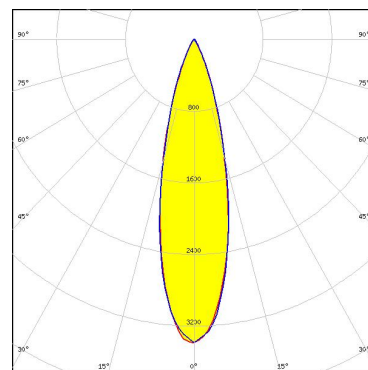
LED J Series 3030
 FWHM / FWTM 26.0° / 48.0°
 Efficiency 84 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files



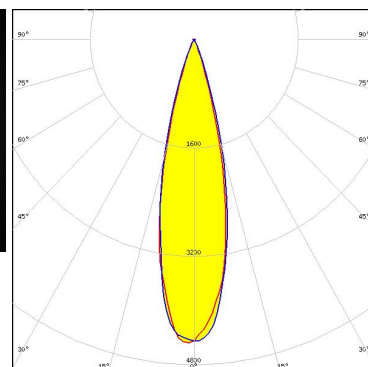
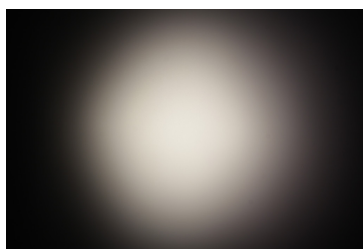
LED J Series 3030
 FWHM / FWTM 26.0° / 50.0°
 Efficiency 89 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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



Light distribution files

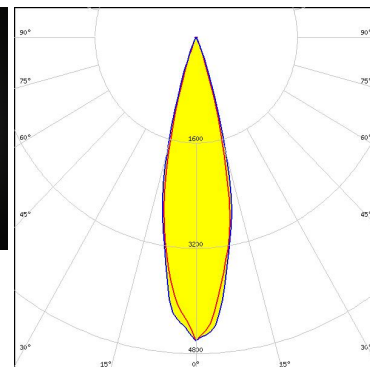
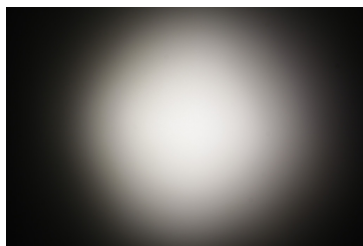
OPTICAL RESULTS (SIMULATED):



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

Required components:

C14446_FLORENTINA-SHD



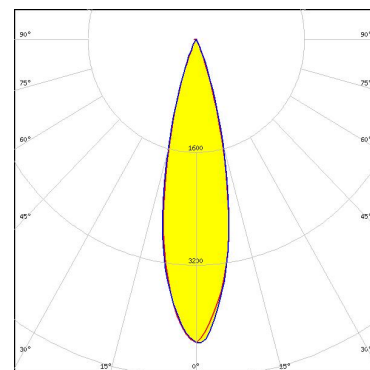
Light distribution files



LED NCSxE17A
FWHM / FWTM 25.0° / 43.0°
Efficiency 86 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C14446_FLORENTINA-SHD



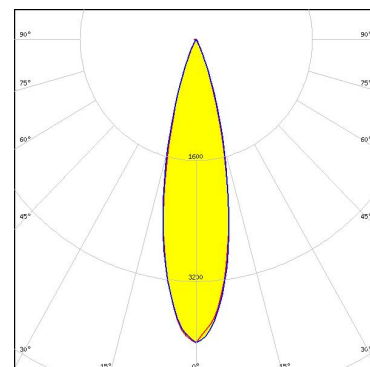
Light distribution files



LED NVSxE21A
FWHM / FWTM 25.0° / 45.0°
Efficiency 86 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C14446_FLORENTINA-SHD

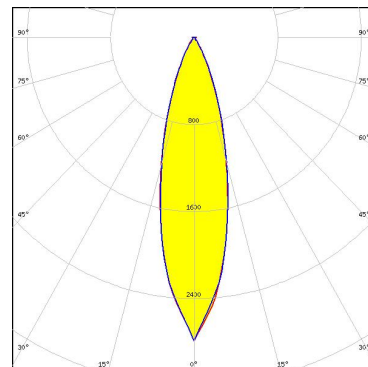


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED NWSx229A
 FWHM / FWTM 27.0° / 54.0°
 Efficiency 84 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14446_FLORENTINA-SHD



Light distribution files

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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