

FLORENTINA-1-O

~45° + 15° oval beam

SPECIFICATION:

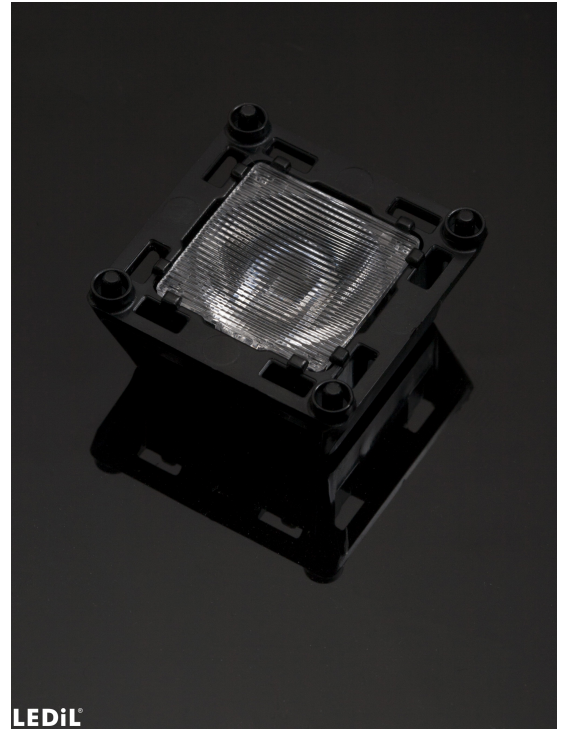
Dimensions	39.7 x 39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes ⓘ

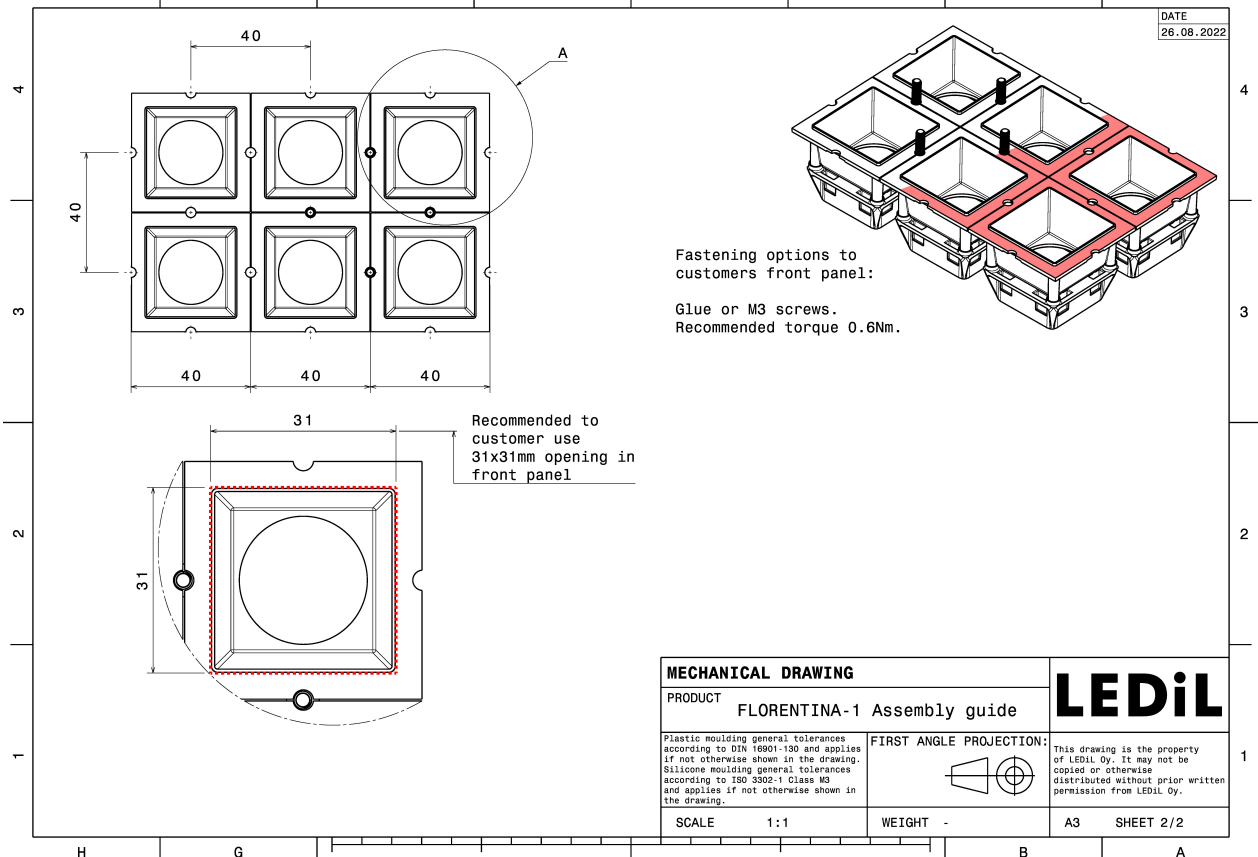
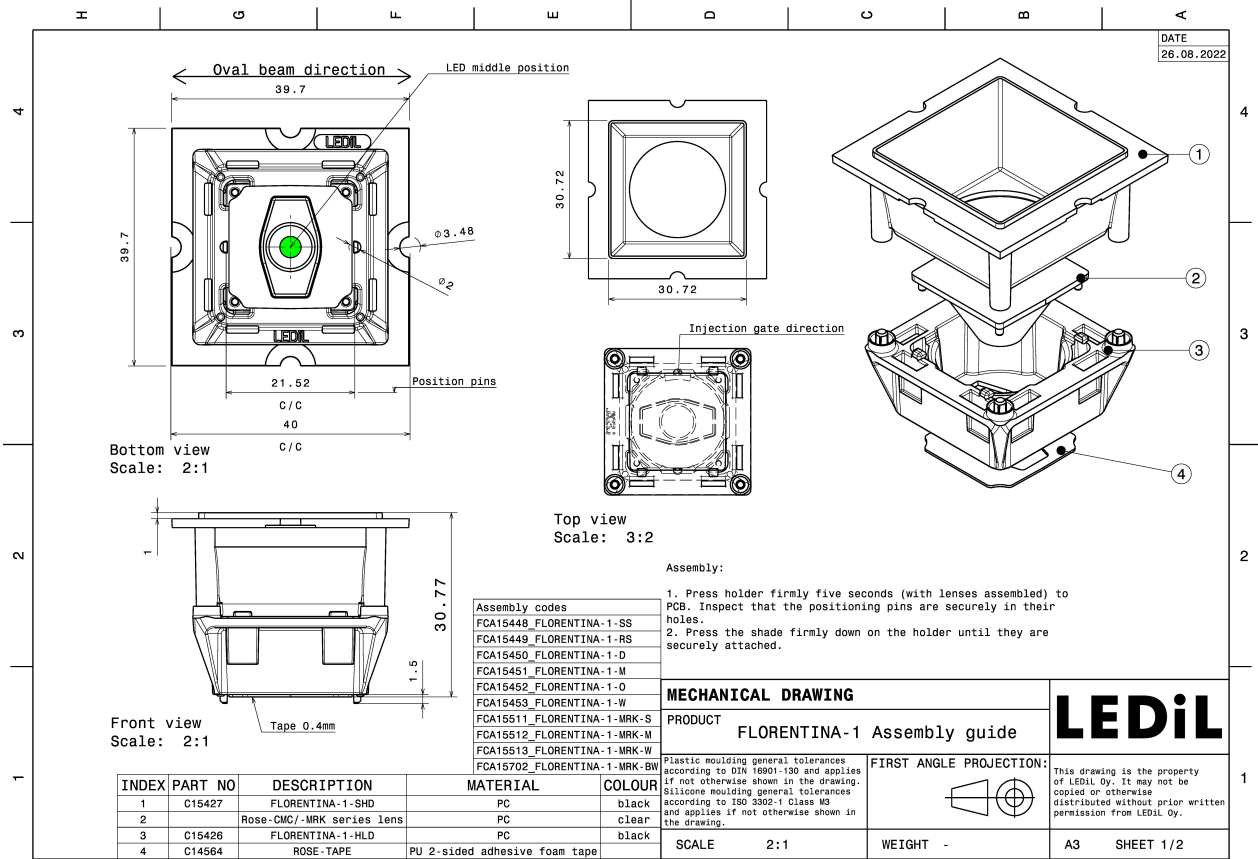
MATERIALS:

Component	Type	Material	Colour	Finish	Length
ROSE-CMC-O	Single lens	PC	clear		21.6
FLORENTINA-1-HLD	Holder	PC	black		32.6
ROSE-TAPE	Tape	Acrylic foam	black		21.6

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FCA15452_FLORENTINA-1-O » Box size: 480 x 280 x 300 mm	840		60	7.9



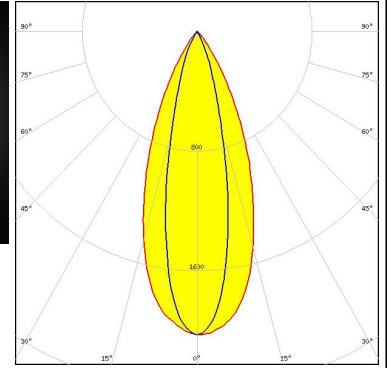


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



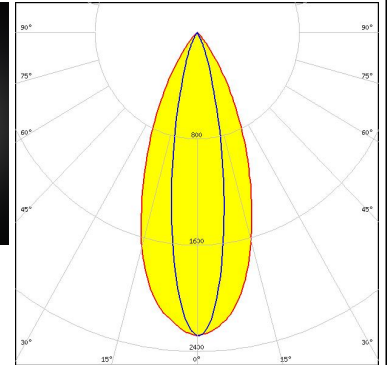
LED Bridgelux SMD 5050
FWHM / FWTM 42.0 + 24.0° / 70.0 + 47.0°
Efficiency 71 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



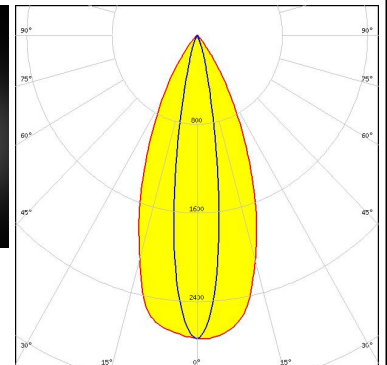
LED XHP35 HD
FWHM / FWTM 42.0 + 21.0° / 72.0 + 42.0°
Efficiency 71 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



LED XHP35 HI
FWHM / FWTM 28.0° / 49.0°
Efficiency 72 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

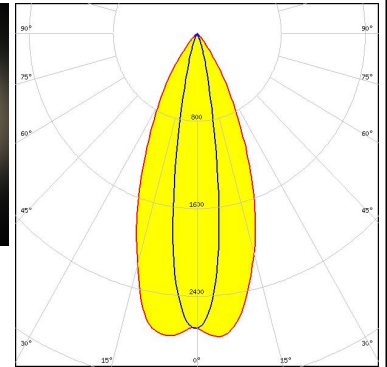
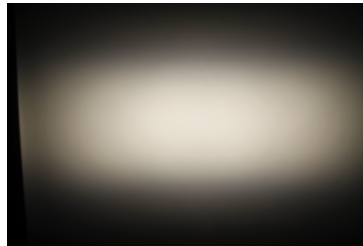


Light distribution files

OPTICAL RESULTS (MEASURED):



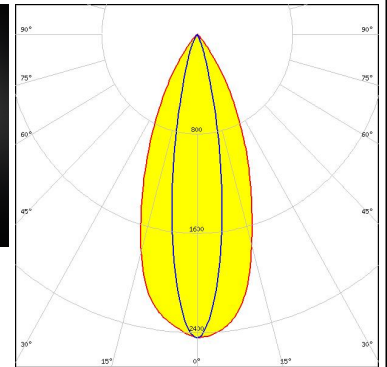
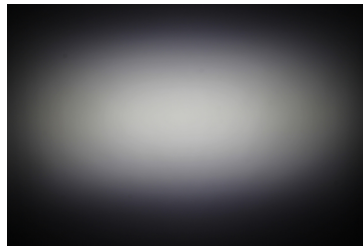
LED XP-G2
FWHM / FWTM 44.0 + 18.0° / 72.0 + 33.0°
Efficiency 73 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



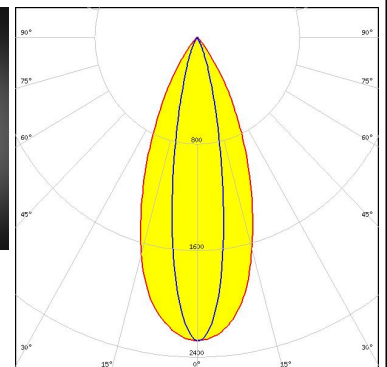
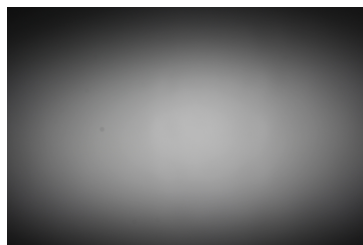
LED XP-L HD
FWHM / FWTM 43.0 + 19.0° / 72.0 + 38.0°
Efficiency 71 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



LED XP-L2
FWHM / FWTM 43.0 + 20.0° / 72.0 + 41.0°
Efficiency 69 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15427_FLORENTINA-1-SHD-60

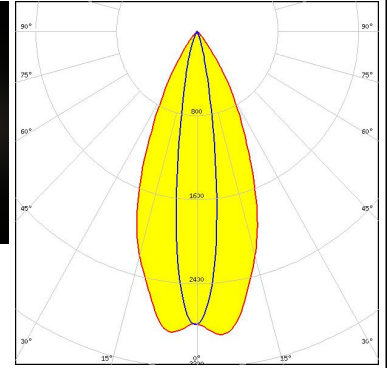


Light distribution files

OPTICAL RESULTS (MEASURED):



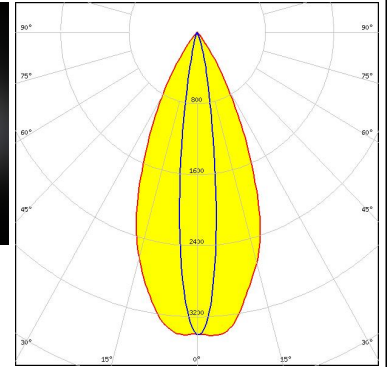
LED XT-E
FWHM / FWTM 44.0 + 16.0° / 71.0 + 33.0°
Efficiency 71 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



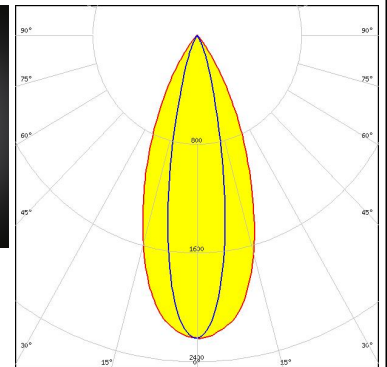
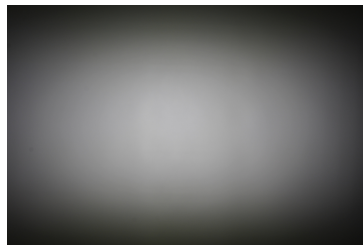
LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 45.0 + 14.0° / 70.0 + 28.0°
Efficiency 75 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON 5050 Round LES
FWHM / FWTM 42.0 + 22.0° / 70.0 + 42.0°
Efficiency 72 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15427_FLORENTINA-1-SHD-60

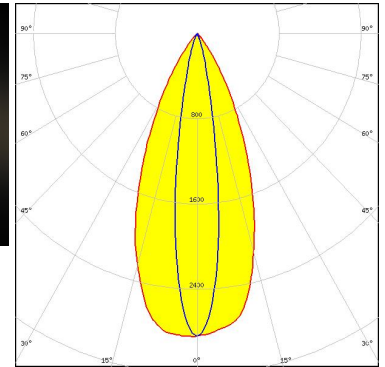
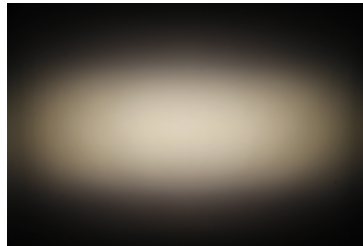


Light distribution files

OPTICAL RESULTS (MEASURED):



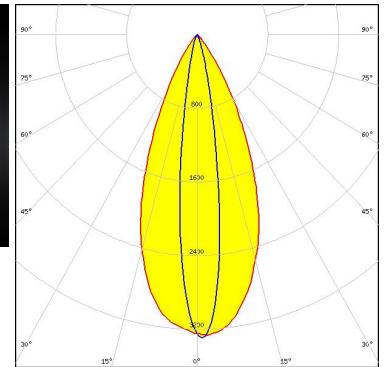
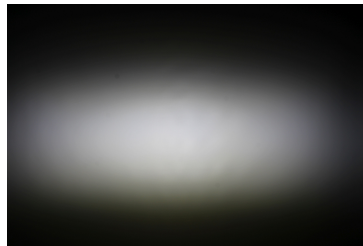
LED LUXEON TX
FWHM / FWTM 44.0 + 17.0° / 71.0 + 33.0°
Efficiency 72 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



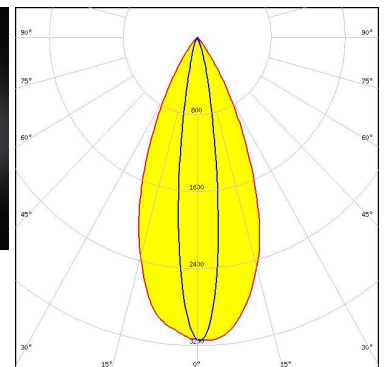
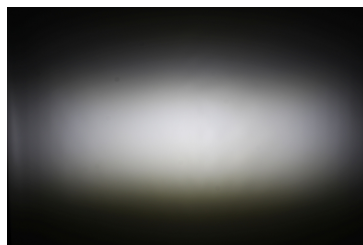
LED NF2x757G
FWHM / FWTM 44.0 + 15.0° / 70.0 + 29.0°
Efficiency 76 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



LED NF2x757G
FWHM / FWTM 45.0 + 15.0° / 70.0 + 31.0°
Efficiency 75 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16701_FLORENTINA-1-SHD-60-WHT

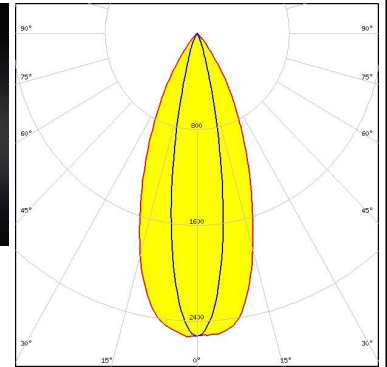
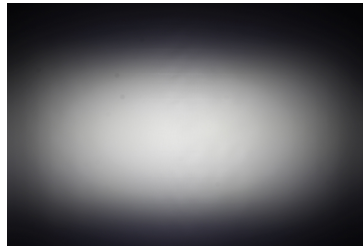


Light distribution files

OPTICAL RESULTS (MEASURED):



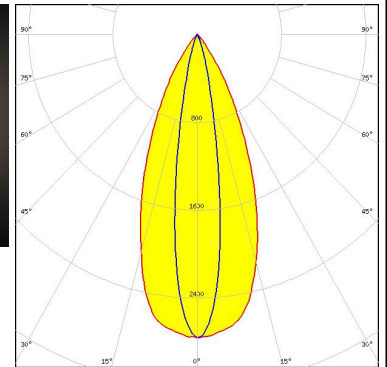
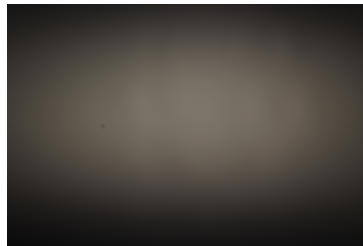
LED NVSW319B
 FWHM / FWTM 43.0 + 20.0° / 72.0 + 36.0°
 Efficiency 74 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



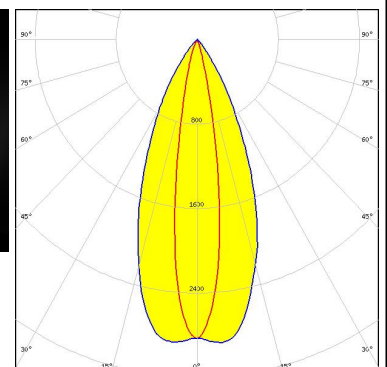
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 44.0 + 17.0° / 71.0 + 33.0°
 Efficiency 72 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60



Light distribution files



LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM 44.0 + 17.0° / 72.0 + 32.0°
 Efficiency 74 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15427_FLORENTINA-1-SHD-60

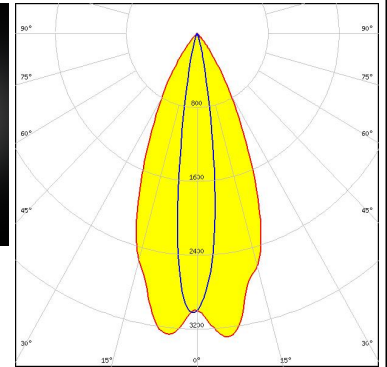


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

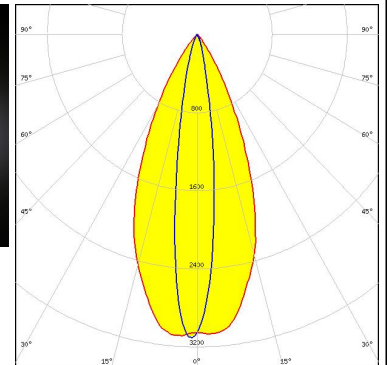
LED OSLON SSL 150
FWHM / FWTM 45.0 + 15.0° / 72.0 + 27.0°
Efficiency 72 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C15427_FLORENTINA-1-SHD-60



Light distribution files

SAMSUNG

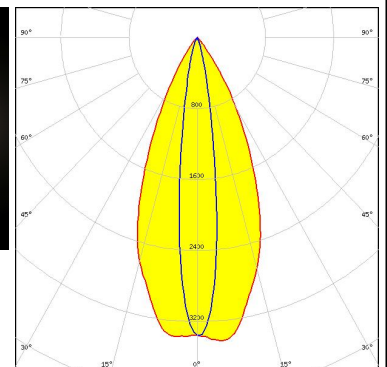
LED LM561B
FWHM / FWTM 45.0 + 15.0° / 70.0 + 32.0°
Efficiency 75 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C15427_FLORENTINA-1-SHD-60



Light distribution files

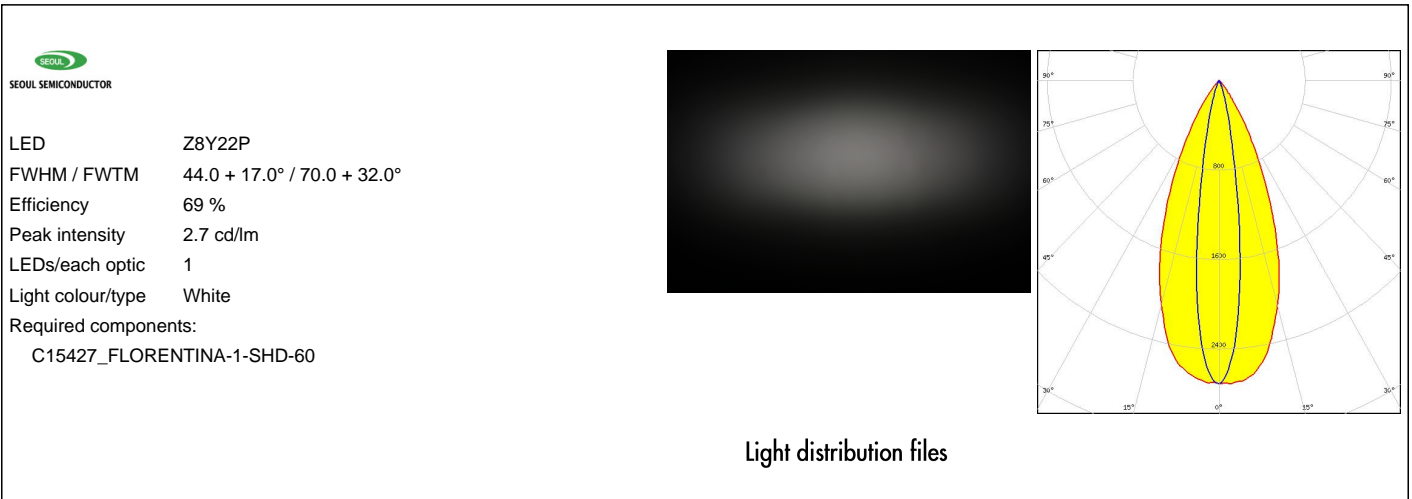
SEUL
SEOUL SEMICONDUCTOR

LED SEOUL 5630
FWHM / FWTM 45.0 + 15.0° / 70.0 + 30.0°
Efficiency 77 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C15427_FLORENTINA-1-SHD-60



Light distribution files

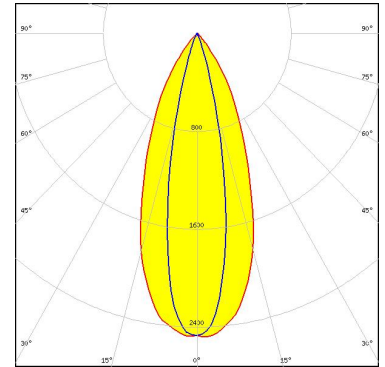
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):



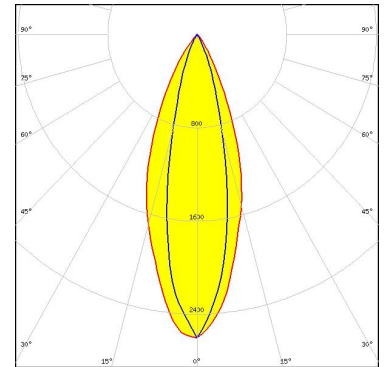
LED XP-G2 HE
FWHM / FWTM 42.0 + 22.0° / 75.0 + 38.0°
Efficiency 82 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C15427_FLORENTINA-1-SHD-60



Light distribution files



LED LUXEON C
FWHM / FWTM 38.0 + 24.0° / 66.0 + 47.0°
Efficiency 81 %
Peak intensity 2.6 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:
C15427_FLORENTINA-1-SHD-60



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.

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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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