

FLORENTINA-1-W

~40° wide beam

SPECIFICATION:

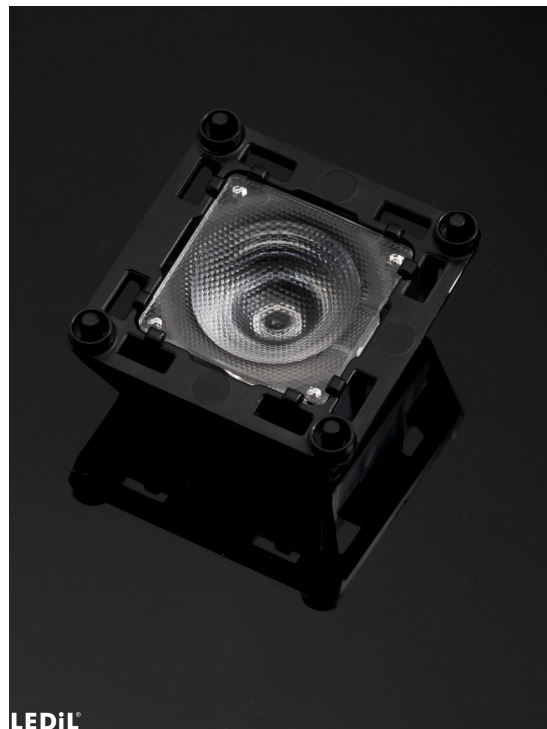
Dimensions	39.7 x 39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes ⓘ

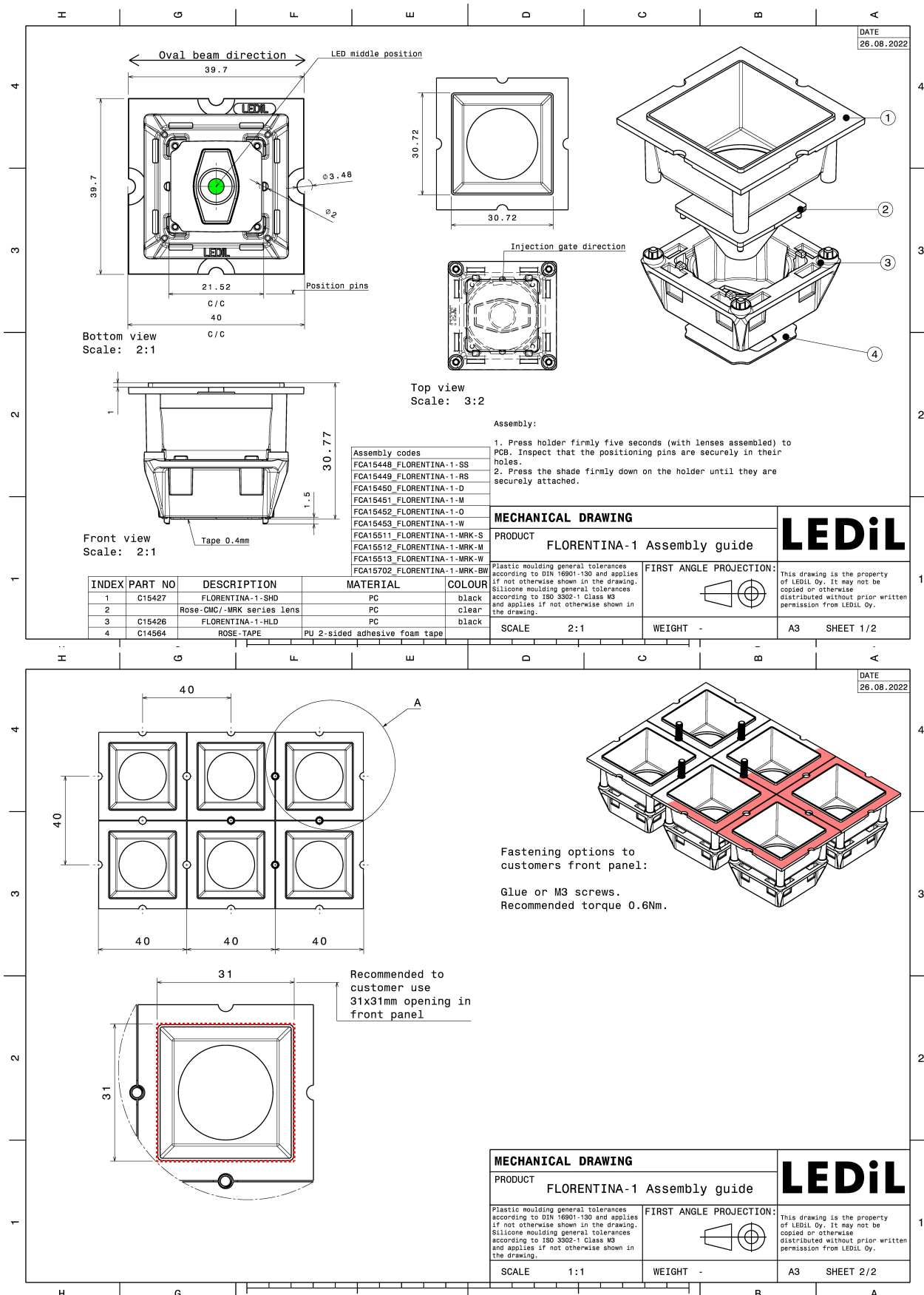
MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-C-C-W-V4	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15453_FLORENTINA-1-W	Single lens	840		60	7.1
» Box size: 480 x 280 x 300 mm					



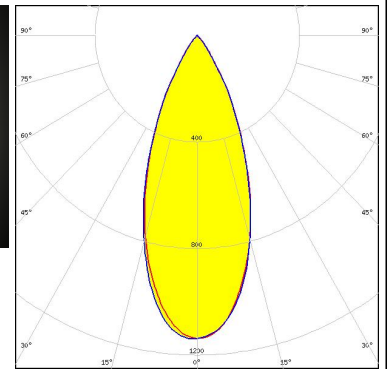
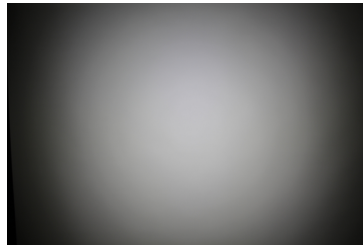


See also our general installation guide: www.ledil.com/installation_guide

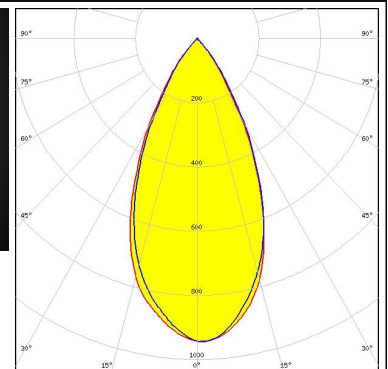
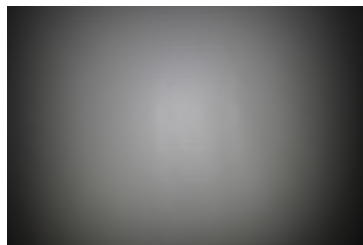
OPTICAL RESULTS (MEASURED):



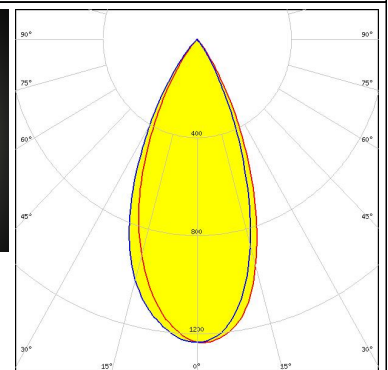
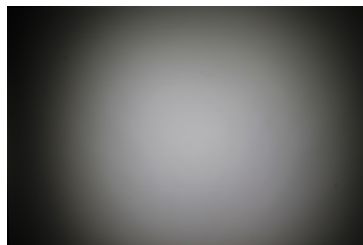
LED Bridgelux SMD 5050
 FWHM / FWTM 41.0° / 68.0°
 Efficiency 61 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



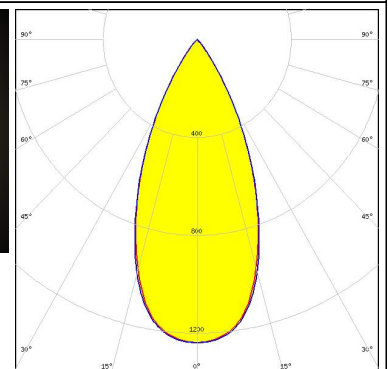
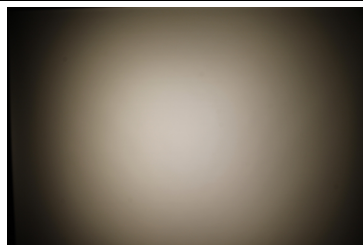
LED XHP35 HD
 FWHM / FWTM 50.0° / 78.0°
 Efficiency 67 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



LED XHP35 HI
 FWHM / FWTM 45.0° / 71.0°
 Efficiency 72 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



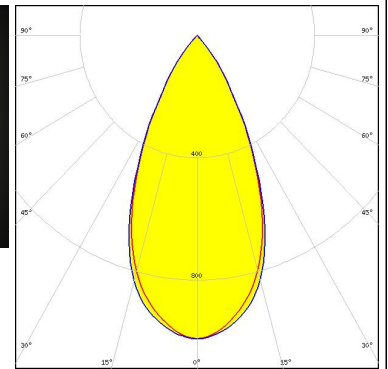
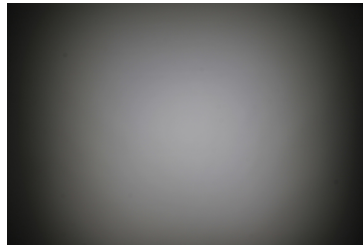
LED XP-G2
 FWHM / FWTM 44.0° / 71.0°
 Efficiency 72 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



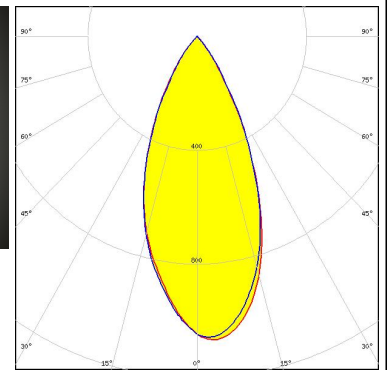
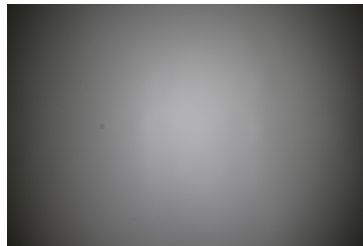
OPTICAL RESULTS (MEASURED):



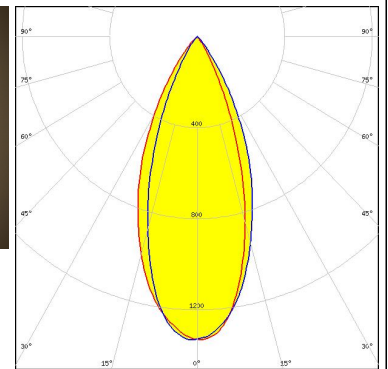
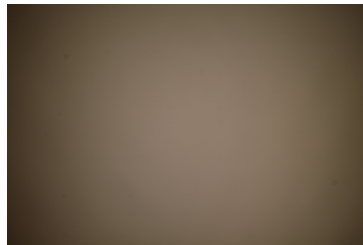
LED XP-L HD
 FWHM / FWTM 49.0° / 77.0°
 Efficiency 69 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



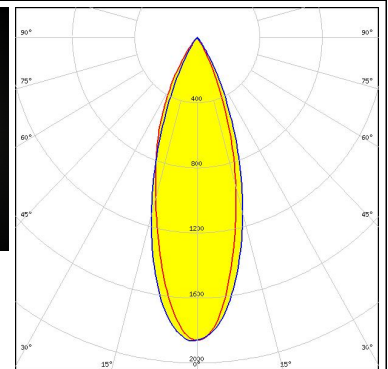
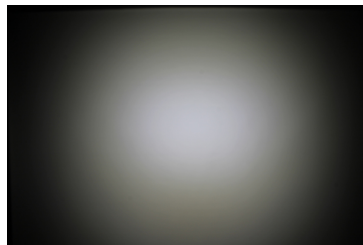
LED XP-L2
 FWHM / FWTM 45.0° / 74.0°
 Efficiency 65 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



LED XT-E
 FWHM / FWTM 42.0° / 68.0°
 Efficiency 68 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



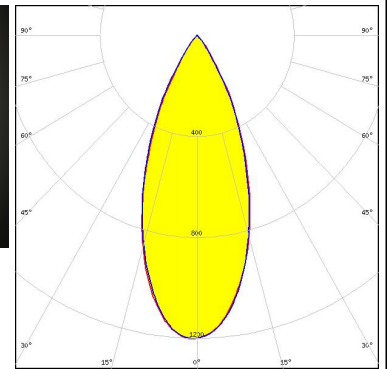
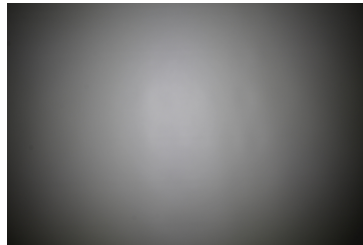
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 34.0° / 61.0°
 Efficiency 72 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



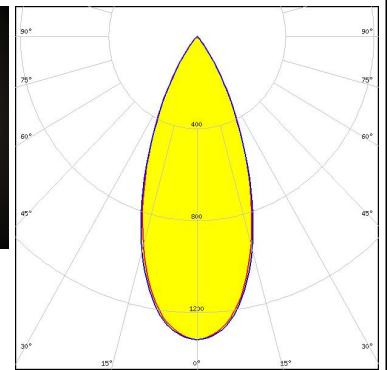
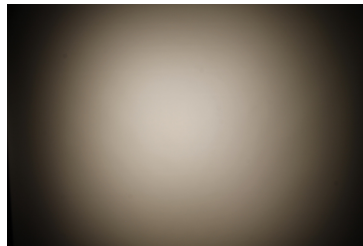
OPTICAL RESULTS (MEASURED):



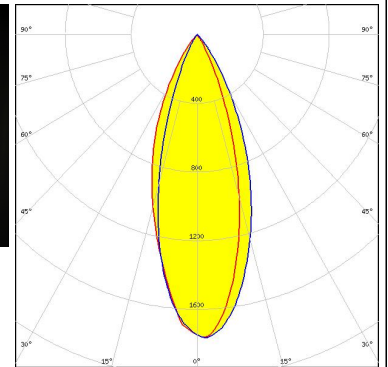
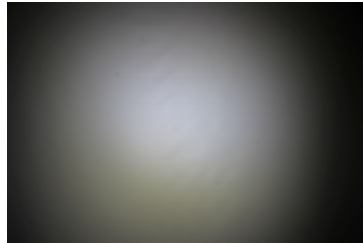
LED LUXEON 5050 Round LES
 FWHM / FWTM 42.0° / 69.0°
 Efficiency 64 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



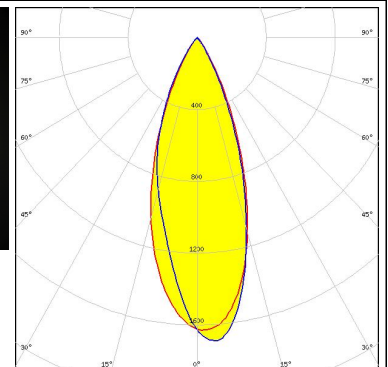
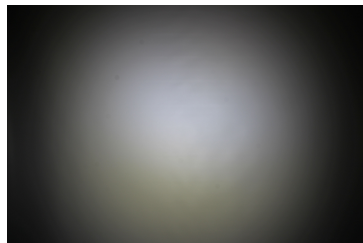
LED LUXEON TX
 FWHM / FWTM 42.0° / 70.0°
 Efficiency 71 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



LED NF2x757G
 FWHM / FWTM 31.0° / 52.0°
 Efficiency 81 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



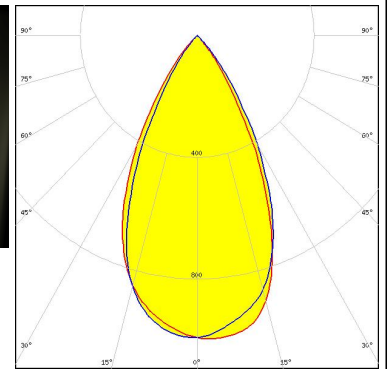
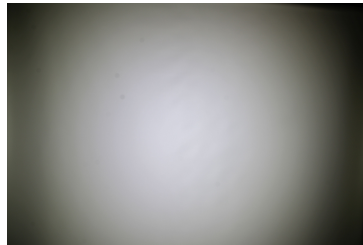
LED NF2x757G
 FWHM / FWTM 36.0° / 64.0°
 Efficiency 72 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16701_FLORENTINA-1-SHD-60-WHT



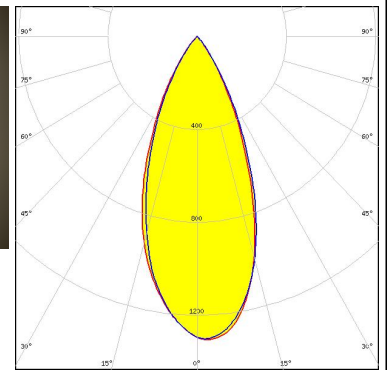
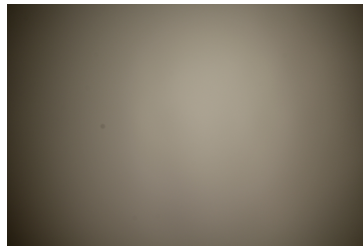
OPTICAL RESULTS (MEASURED):



LED NVSW319B
FWHM / FWTM 53.0° / 79.0°
Efficiency 74 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60

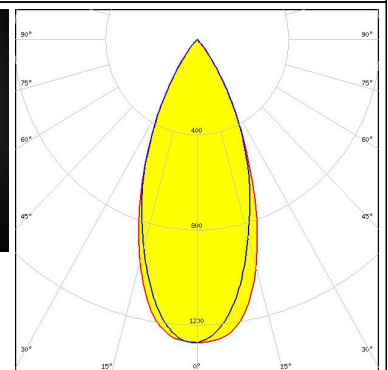
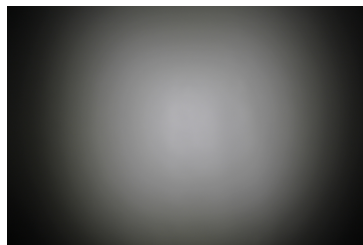


LED NVSxx19B/NVSxx19C
FWHM / FWTM 43.0° / 71.0°
Efficiency 71 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



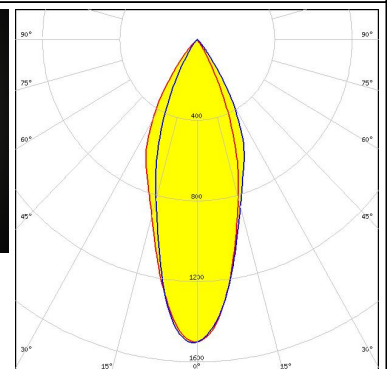
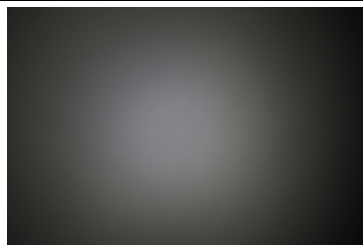
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 44.0° / 72.0°
Efficiency 73 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



Opto Semiconductors

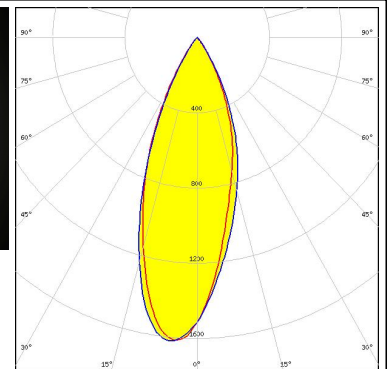
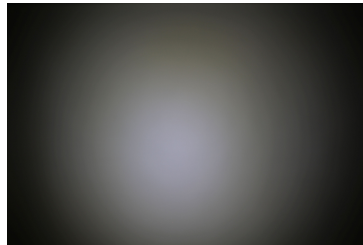
LED OSLON SSL 150
FWHM / FWTM 36.0° / 69.0°
Efficiency 69 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



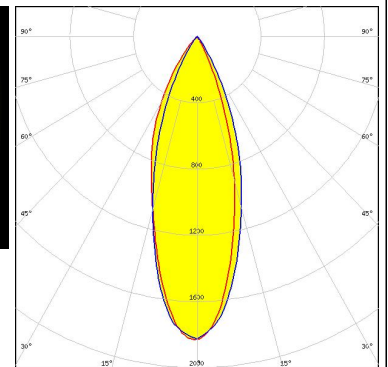
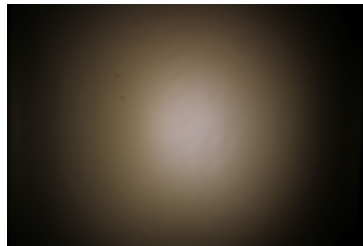
OPTICAL RESULTS (MEASURED):

SAMSUNG

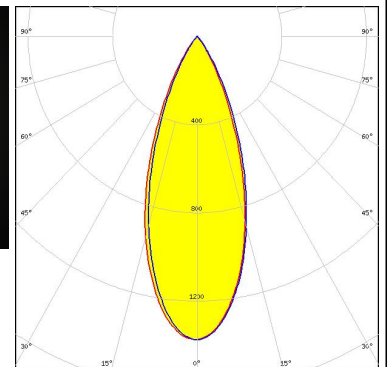
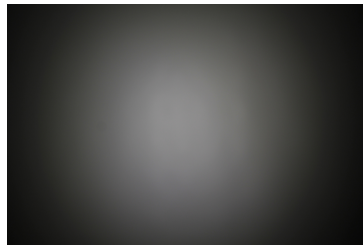
LED LM561B
 FWHM / FWTM 35.0° / 65.0°
 Efficiency 72 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR
 LED SEOUL 5630
 FWHM / FWTM 34.0° / 63.0°
 Efficiency 74 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



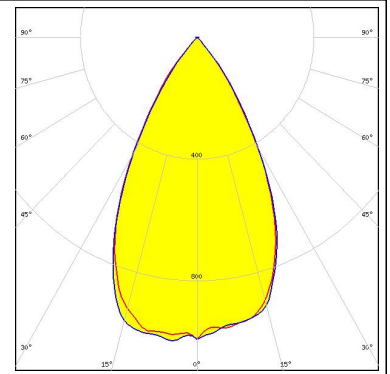
SEOUL SEMICONDUCTOR
 LED Z8Y22P
 FWHM / FWTM 38.0° / 65.0°
 Efficiency 63 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



OPTICAL RESULTS (SIMULATED):



LED XP-G2 HE
 FWHM / FWTM 57.0° / 81.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



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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