

FLORENTINA-1-O

~45° + 15° oval beam

TECHNICAL SPECIFICATIONS:

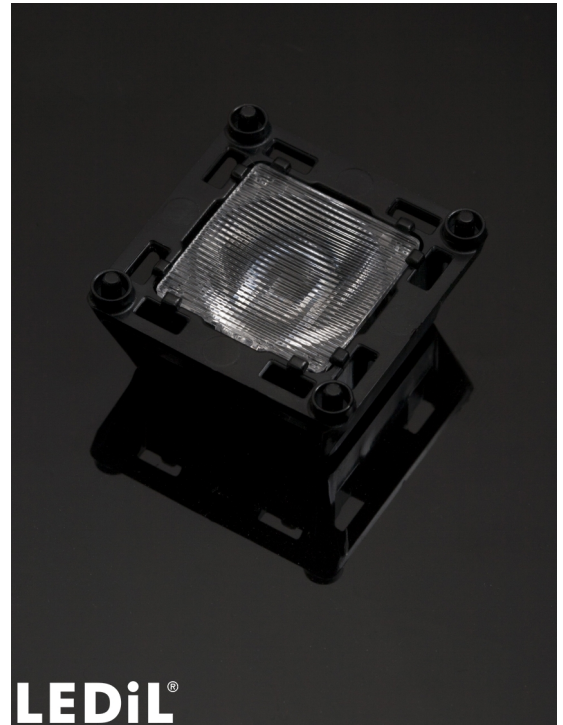
Dimensions	39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes ⓘ

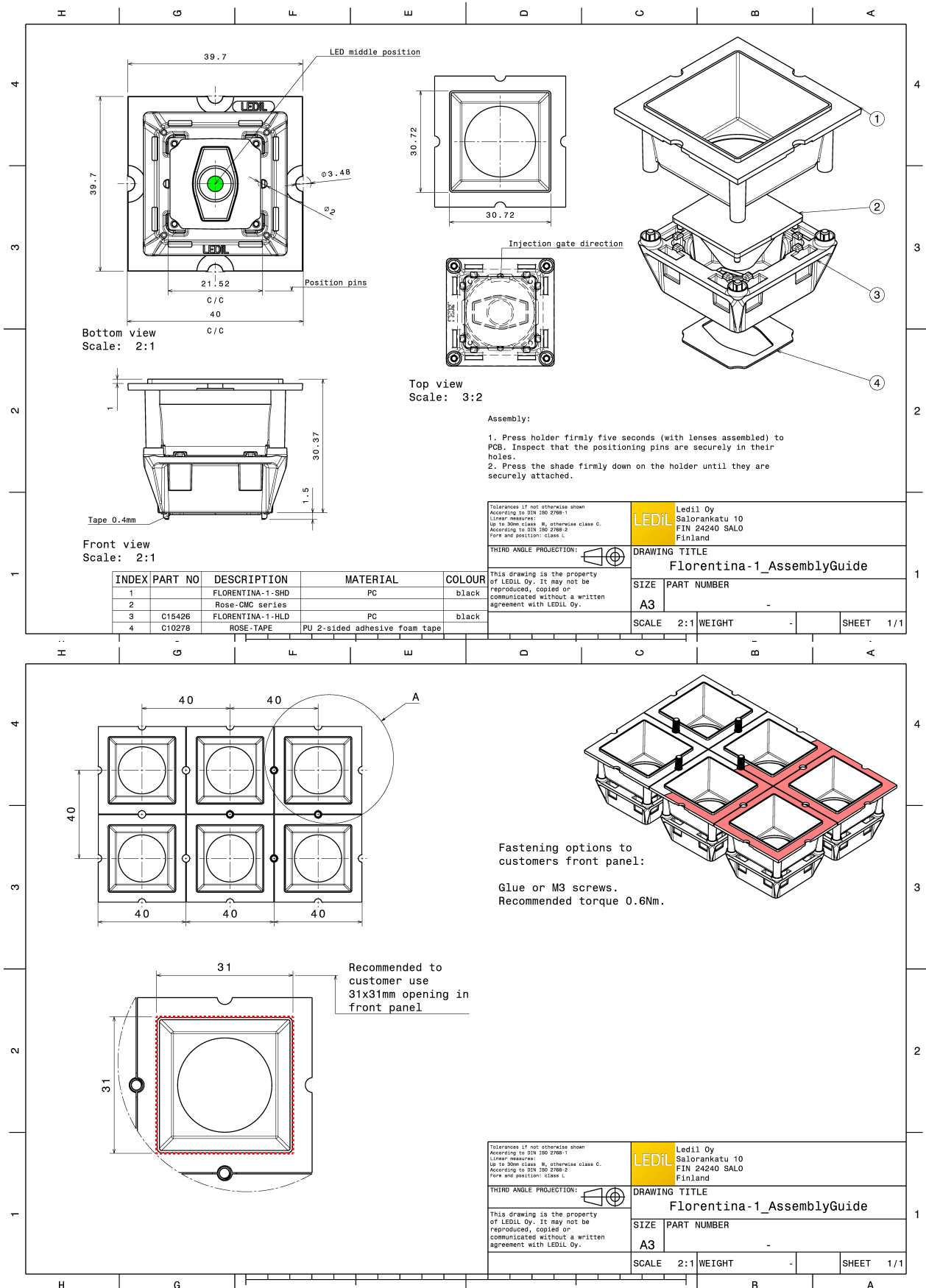
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
ROSE-CMC-O	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	PU tape	black	

ORDERING INFORMATION:

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

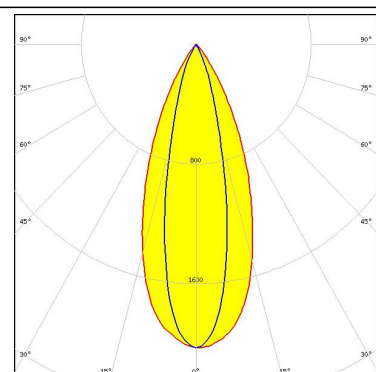
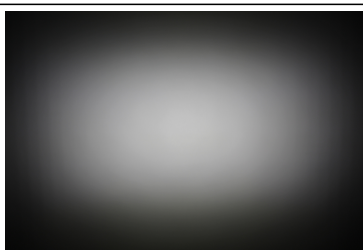




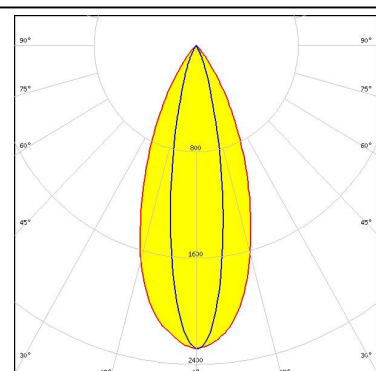
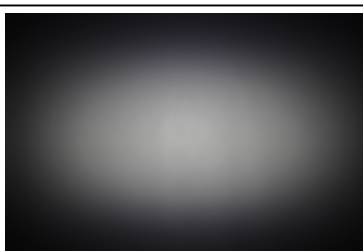
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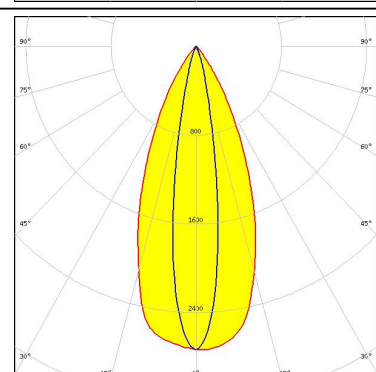
LED Bridgelux SMD 5050
 FWHM 42.0 + 24.0°
 Efficiency 71 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



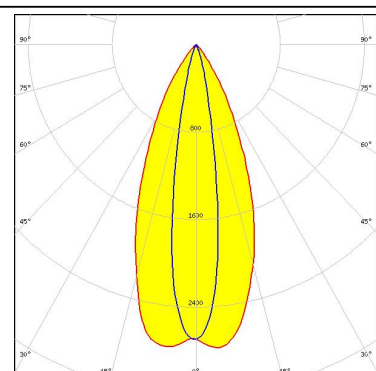
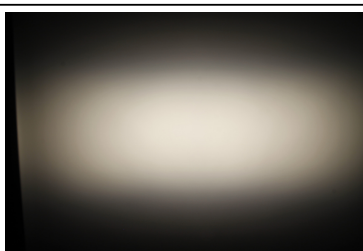
LED XHP35 HD
 FWHM 42.0 + 21.0°
 Efficiency 71 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



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



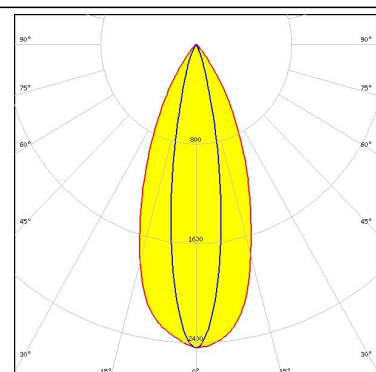
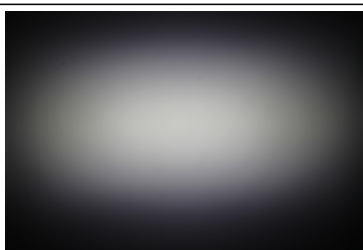
LED XP-G2
 FWHM 44.0 + 18.0°
 Efficiency 73 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



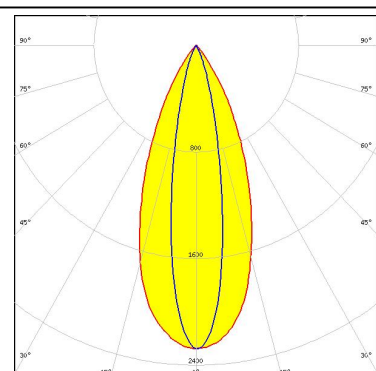
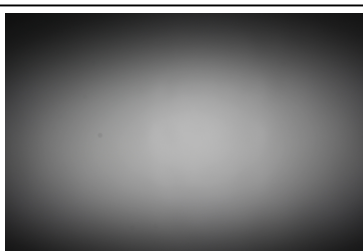
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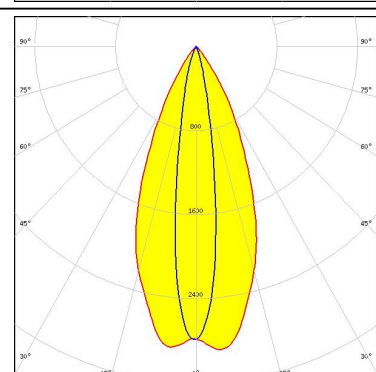
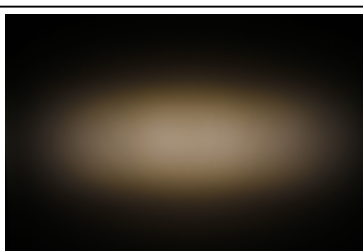
LED XP-L HD
FWHM 43.0 + 19.0°
Efficiency 71 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



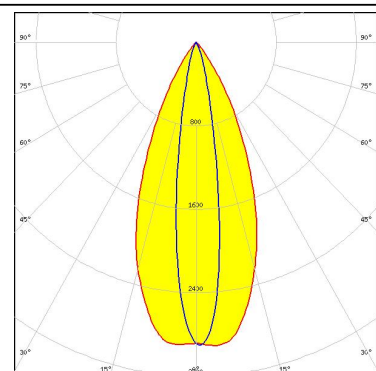
LED XP-L2
FWHM 43.0 + 20.0°
Efficiency 69 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



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



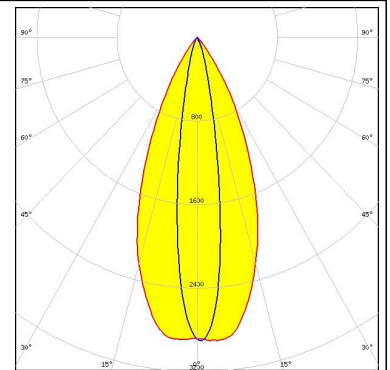
LED LG 5630
FWHM 45.0 + 17.0°
Efficiency 77 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16701_FLORENTINA-1-SHD-60-WHT



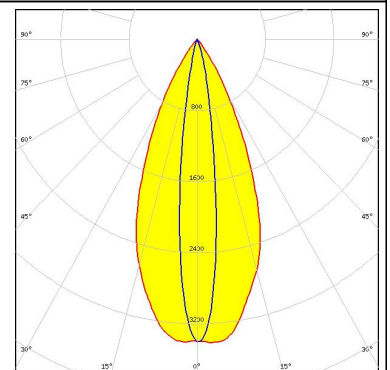
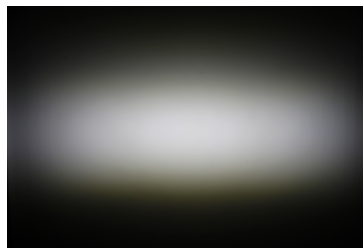
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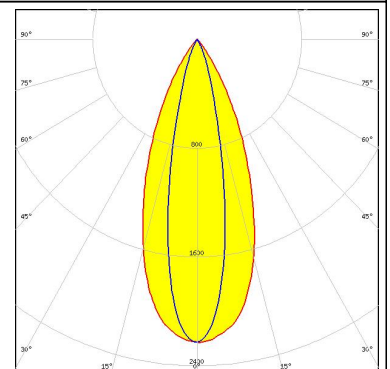
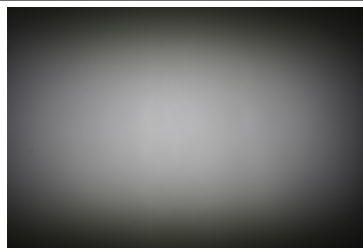
LED LG 5630
FWHM 45.0 + 16.0°
Efficiency 75 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



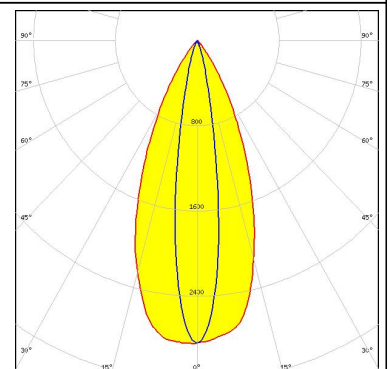
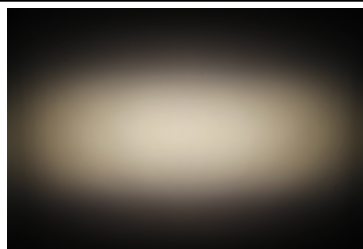
LED LUXEON 3030 2D (Round LES)
FWHM 45.0 + 14.0°
Efficiency 75 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



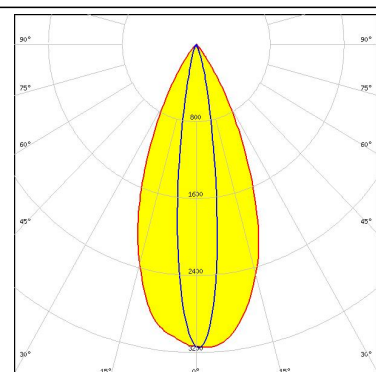
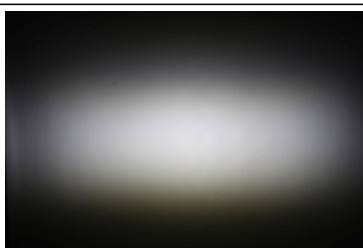
LED LUXEON TX
FWHM 44.0 + 17.0°
Efficiency 72 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



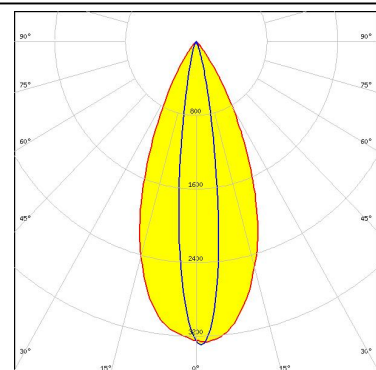
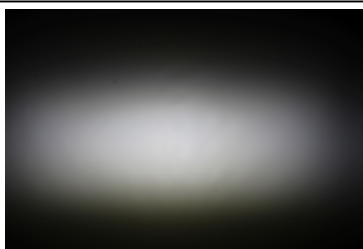
PHOTOMETRIC DATA (MEASURED):



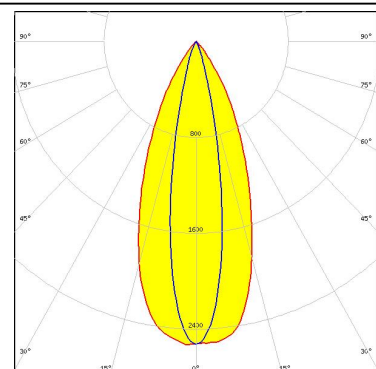
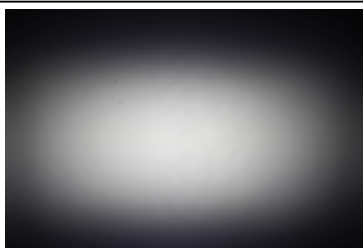
LED NF2x757G
 FWHM 45.0 + 15.0°
 Efficiency 75 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16701_FLORENTINA-1-SHD-60-WHT



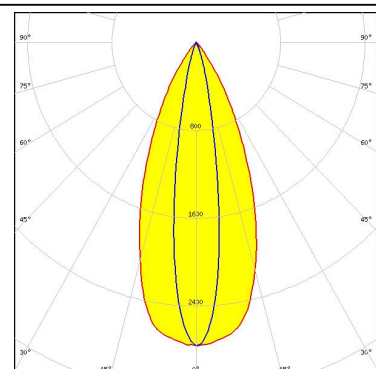
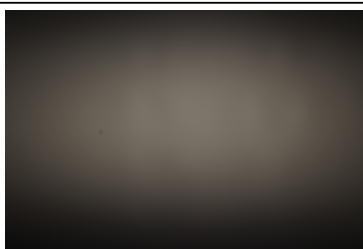
LED NF2x757G
 FWHM 44.0 + 15.0°
 Efficiency 76 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



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



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

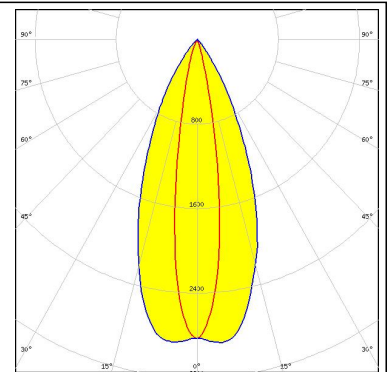


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

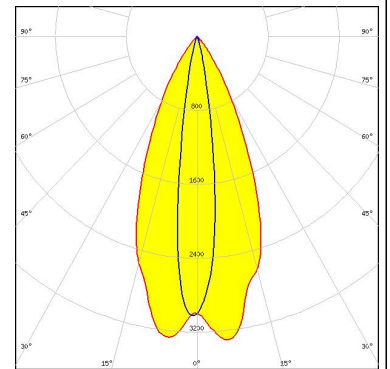
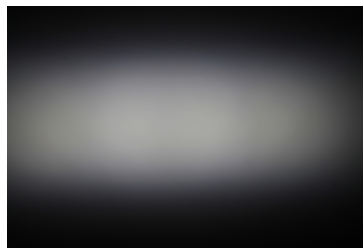
LED OSLOM Square CSSRM2/CSSRM3
FWHM 44.0 + 17.0°
Efficiency 74 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



OSRAM

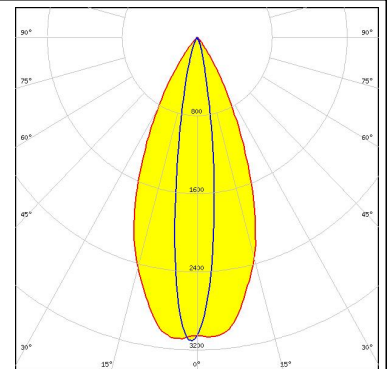
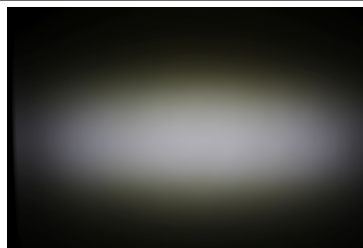
Opto Semiconductors

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



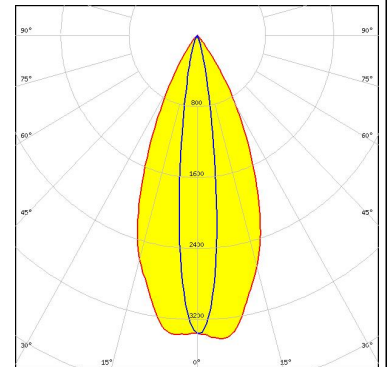
SAMSUNG

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



SEOUL SEMICONDUCTOR

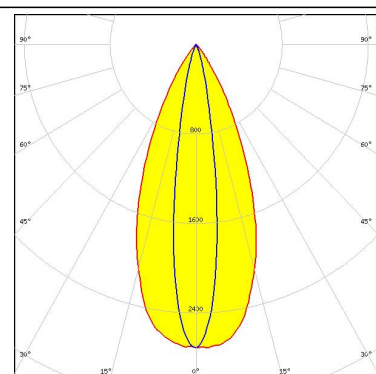
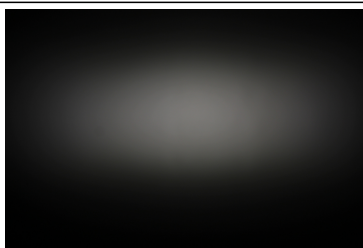
LED SEOUL 5630
FWHM 45.0 + 15.0°
Efficiency 77 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



PHOTOMETRIC DATA (MEASURED):



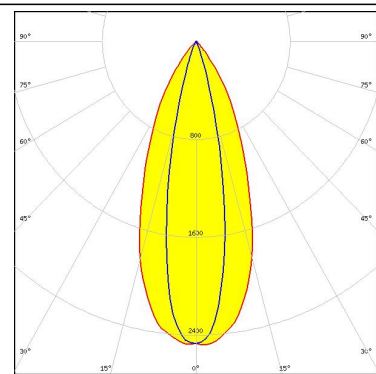
LED Z8Y22P
FWHM 44.0 + 17.0°
Efficiency 69 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15427_FLORENTINA-1-SHD-60



PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE
FWHM 42.0 + 22.0°
Efficiency 82 %
Peak intensity 2.5 cd/Im
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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Hong Kong, China

Distribution Partners

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