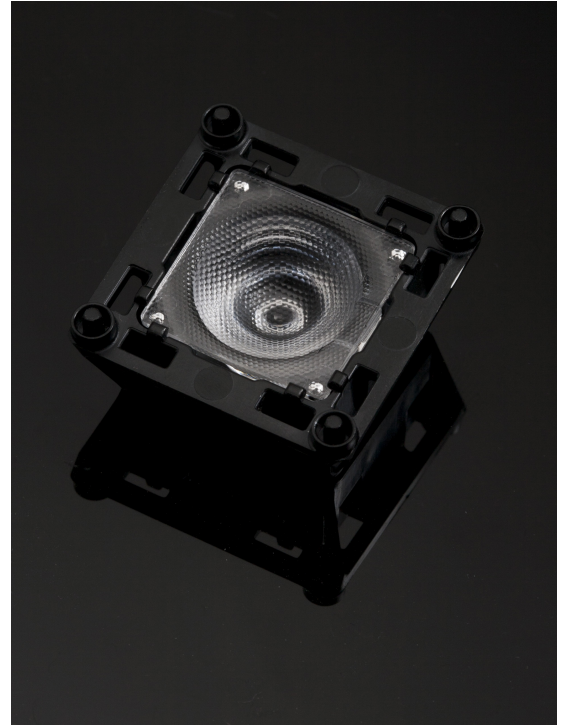


FLORENTINA-1-W

~40° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	39.7 mm
Height	13 mm
Fastening	tape
Colour	black
Box size	480 x 280 x 300 mm
Box weight	7.1 kg
Quantity in Box	840 pcs
ROHS compliant	yes ⓘ



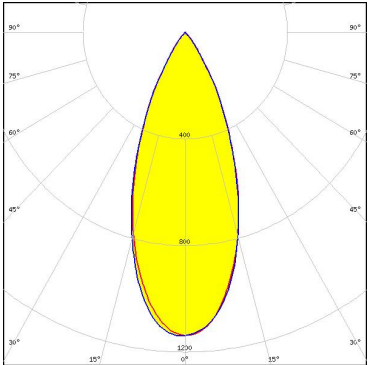


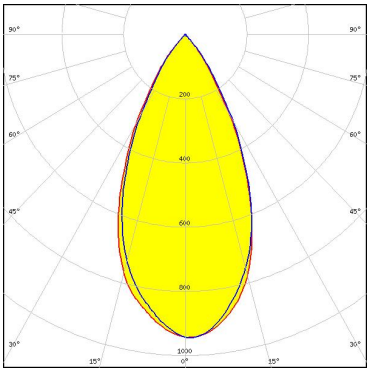

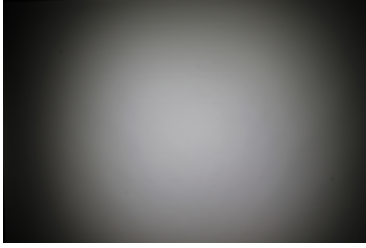
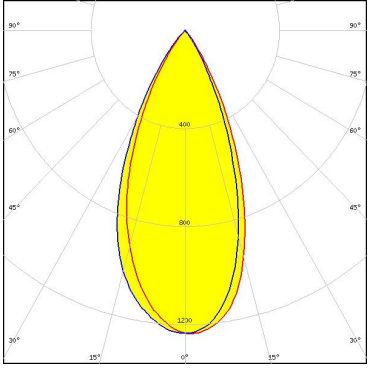

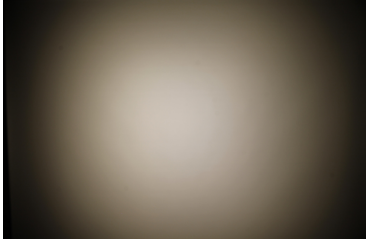
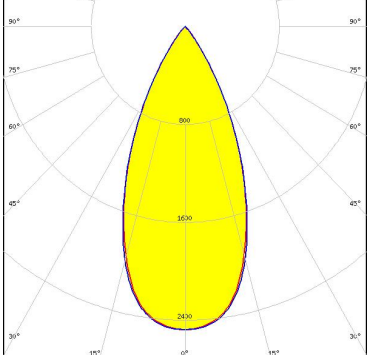


MATERIAL SPECIFICATIONS:

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



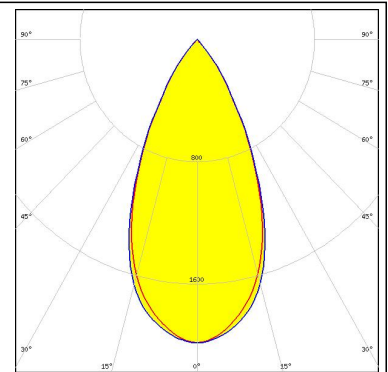
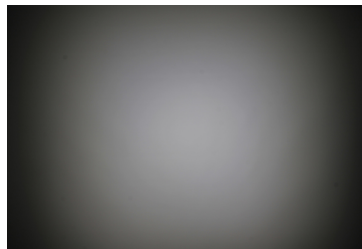
PHOTOMETRIC DATA (MEASURED):

<p> bridgelux</p> <p>LED Bridgelux SMD 5050 FWHM 41.0° Efficiency 61 % Peak intensity 1.100 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p> CREE</p> <p>LED XHP35 HD FWHM 50.0° Efficiency 67 % Peak intensity 0.950 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p> CREE</p> <p>LED XHP35 HI FWHM 45.0° Efficiency 72 % Peak intensity 1.200 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p> CREE</p> <p>LED XP-G2 FWHM 44.0° Efficiency 72 % Peak intensity 1.300 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		

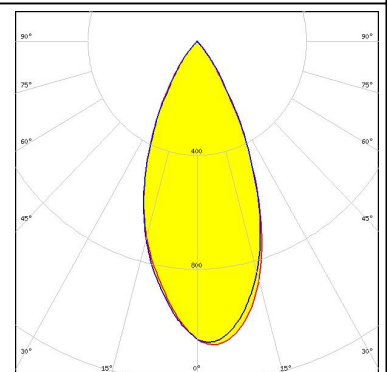
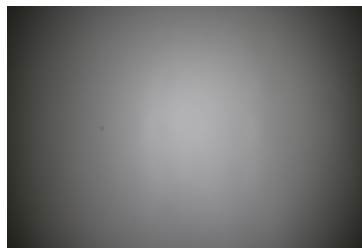
PHOTOMETRIC DATA (MEASURED):



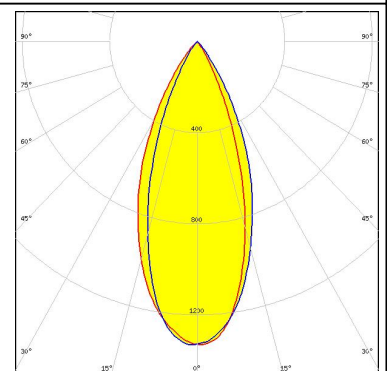
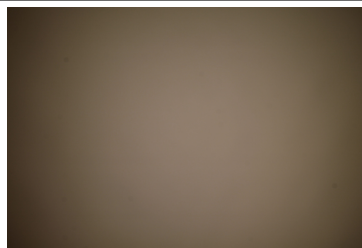
LED XP-L HD
 FWHM 49.0°
 Efficiency 69 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



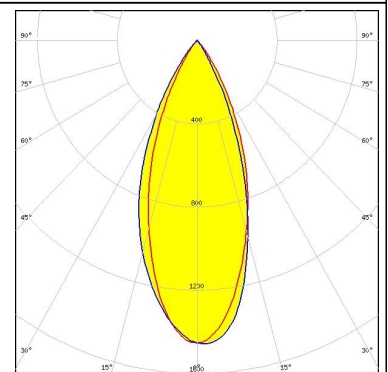
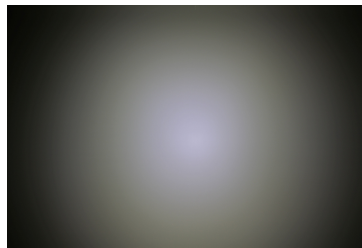
LED XP-L2
 FWHM 45.0°
 Efficiency 65 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



LED XT-E
 FWHM 42.0°
 Efficiency 68 %
 Peak intensity 1.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



LED LG 5630
 FWHM 41.0°
 Efficiency 74 %
 Peak intensity 1.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16701_FLORENTINA-1-SHD-60-WHT

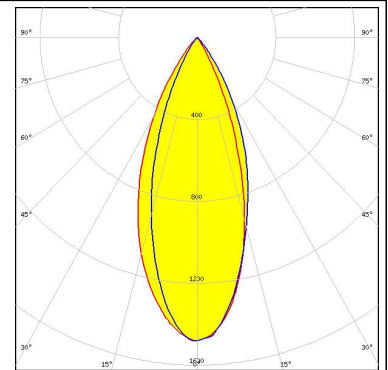


PHOTOMETRIC DATA (MEASURED):

LG Innotek

LED LG 5630
 FWHM 40.0°
 Efficiency 73 %
 Peak intensity 1.500 cd/lm
 LEDs/each optic 1
 Light colour White

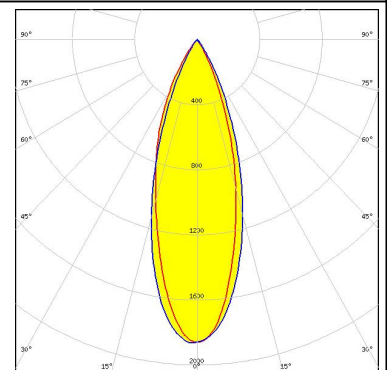
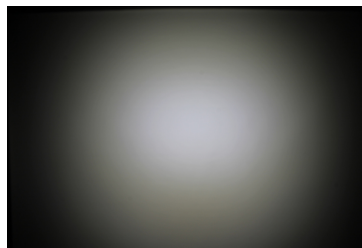
Required components:
 C15427_FLORENTINA-1-SHD-60



LUMILEDS

LED LUXEON 3030 2D (Round LES)
 FWHM 34.0°
 Efficiency 72 %
 Peak intensity 1.900 cd/lm
 LEDs/each optic 1
 Light colour White

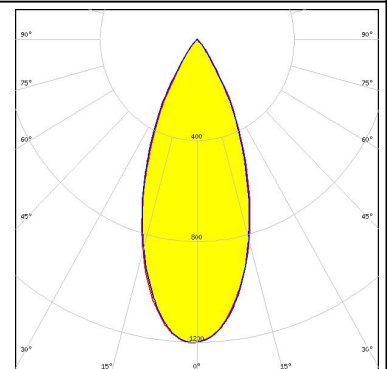
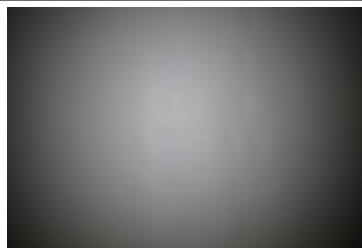
Required components:



LUMILEDS

LED LUXEON 5050 Round LES
 FWHM 42.0°
 Efficiency 64 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White

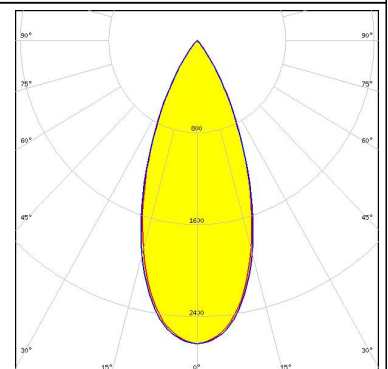
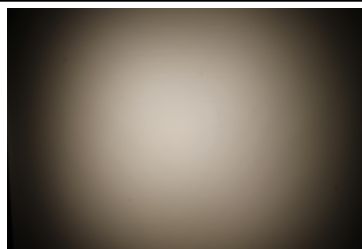
Required components:
 C15427_FLORENTINA-1-SHD-60




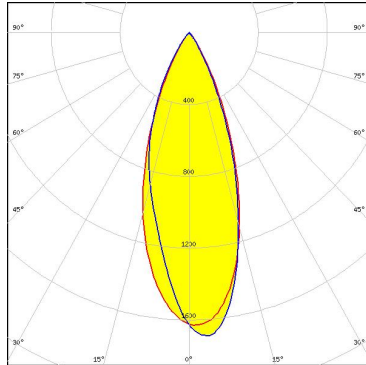
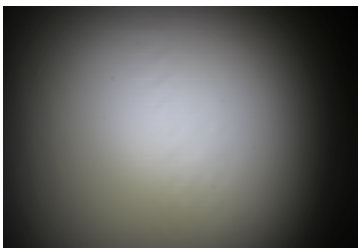
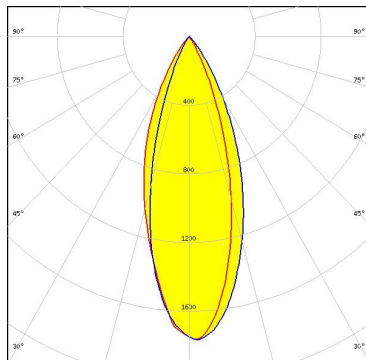

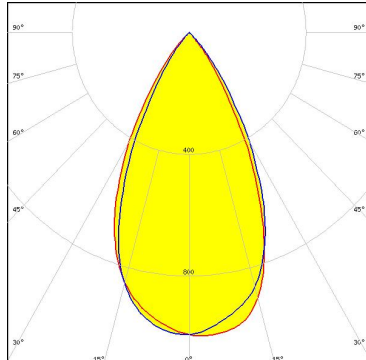
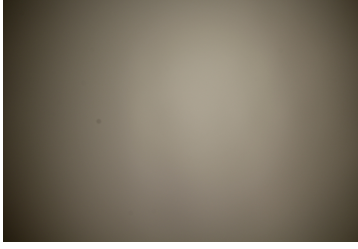
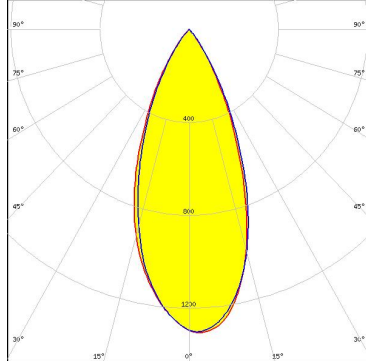
LUMILEDS

LED LUXEON TX
 FWHM 42.0°
 Efficiency 71 %
 Peak intensity 1.400 cd/lm
 LEDs/each optic 1
 Light colour White

Required components:
 C15427_FLORENTINA-1-SHD-60



PHOTOMETRIC DATA (MEASURED):

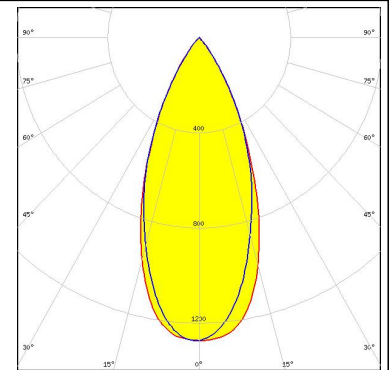
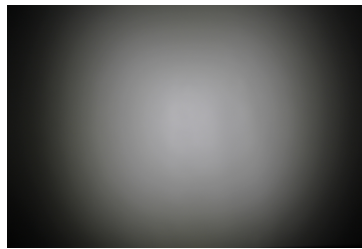
<p>NICHIA</p> <p>LED NF2x757G FWHM 36.0° Efficiency 72 % Peak intensity 1.700 cd/lm LEDs/each optic 1 Light colour White Required components: C16701_FLORENTINA-1-SHD-60-WHT</p>		
<p>NICHIA</p> <p>LED NF2x757G FWHM 31.0° Efficiency 81 % Peak intensity 2.800 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>NICHIA</p> <p>LED NVSW319B FWHM 53.0° Efficiency 74 % Peak intensity 1.000 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 43.0° Efficiency 71 % Peak intensity 1.300 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

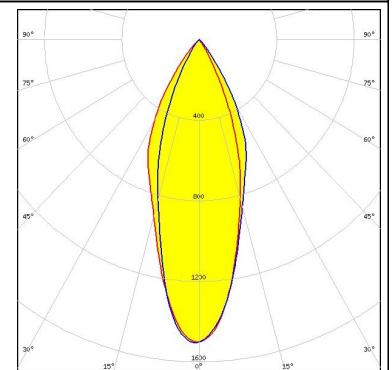
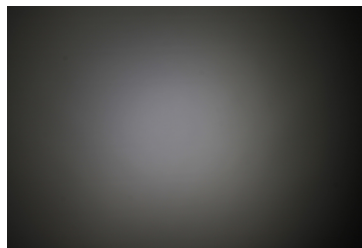
LED OSLOM Square CSSRM2/CSSRM3
 FWHM 44.0°
 Efficiency 73 %
 Peak intensity 1.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



OSRAM

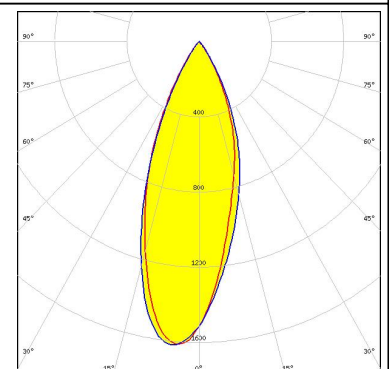
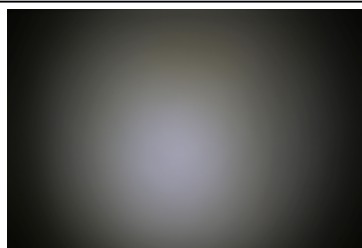
Opto Semiconductors

LED OSLOM SSL 150
 FWHM 36.0°
 Efficiency 69 %
 Peak intensity 1.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



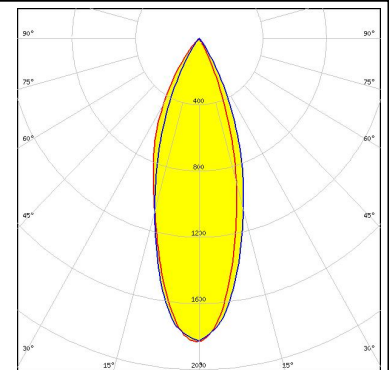
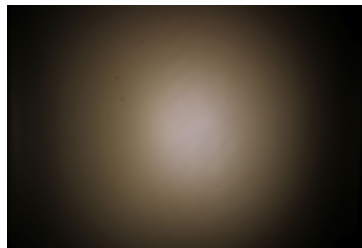
SAMSUNG

LED LM561B
 FWHM 35.0°
 Efficiency 72 %
 Peak intensity 1.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR

LED SEOUL 5630
 FWHM 34.0°
 Efficiency 74 %
 Peak intensity 1.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



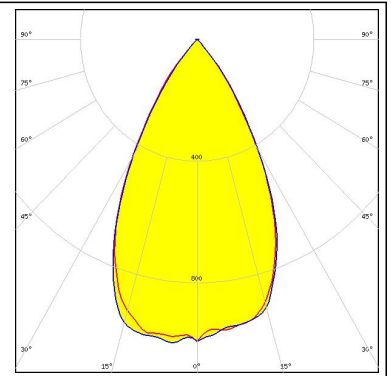
PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR			
LED	Z8Y22P		
FWHM	38.0°		
Efficiency	63 %		
Peak intensity	1.400 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
	C15427_FLORENTINA-1-SHD-60		

PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE
FWHM 57.0°
Efficiency 83 %
Peak intensity 1.009 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.

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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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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

[www.ledil.com/
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