

FLORENTINA-1-M

~30° medium beam

SPECIFICATION:

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

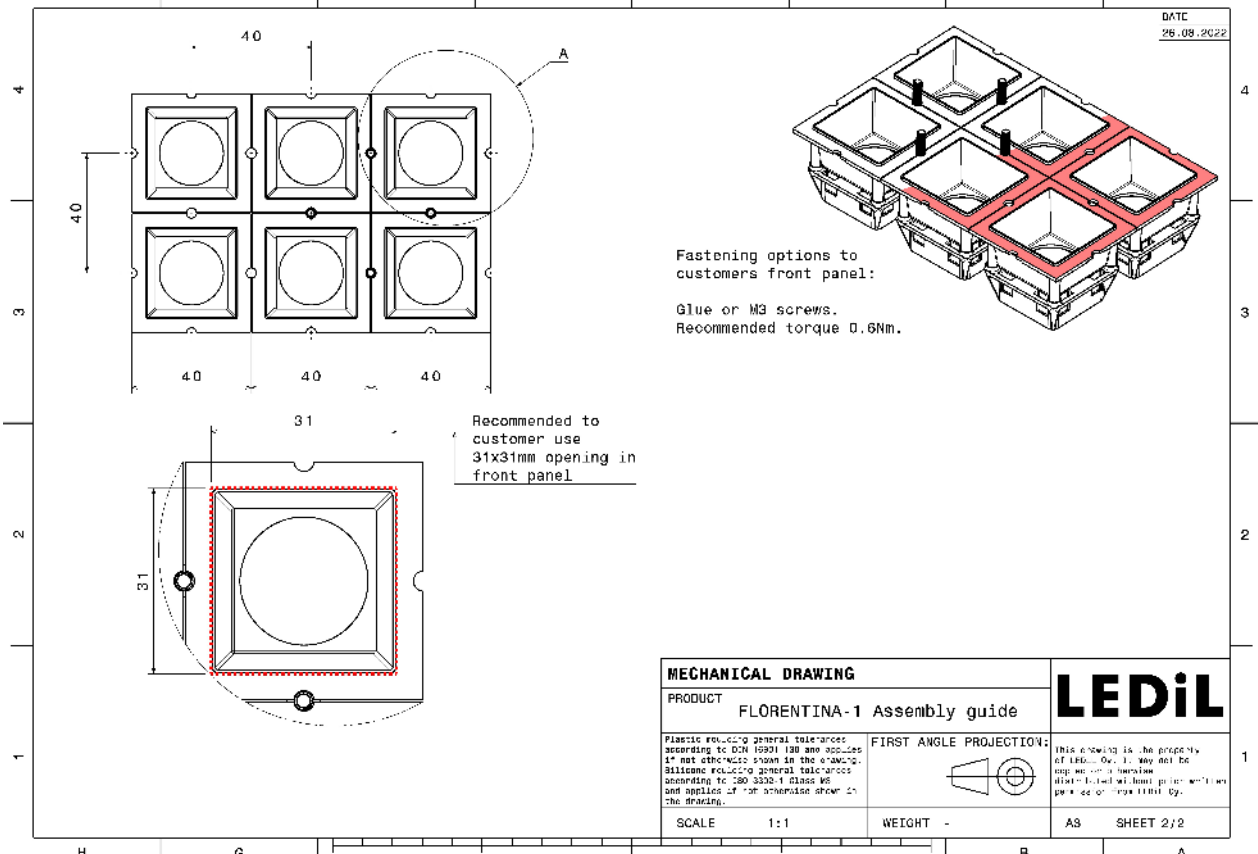
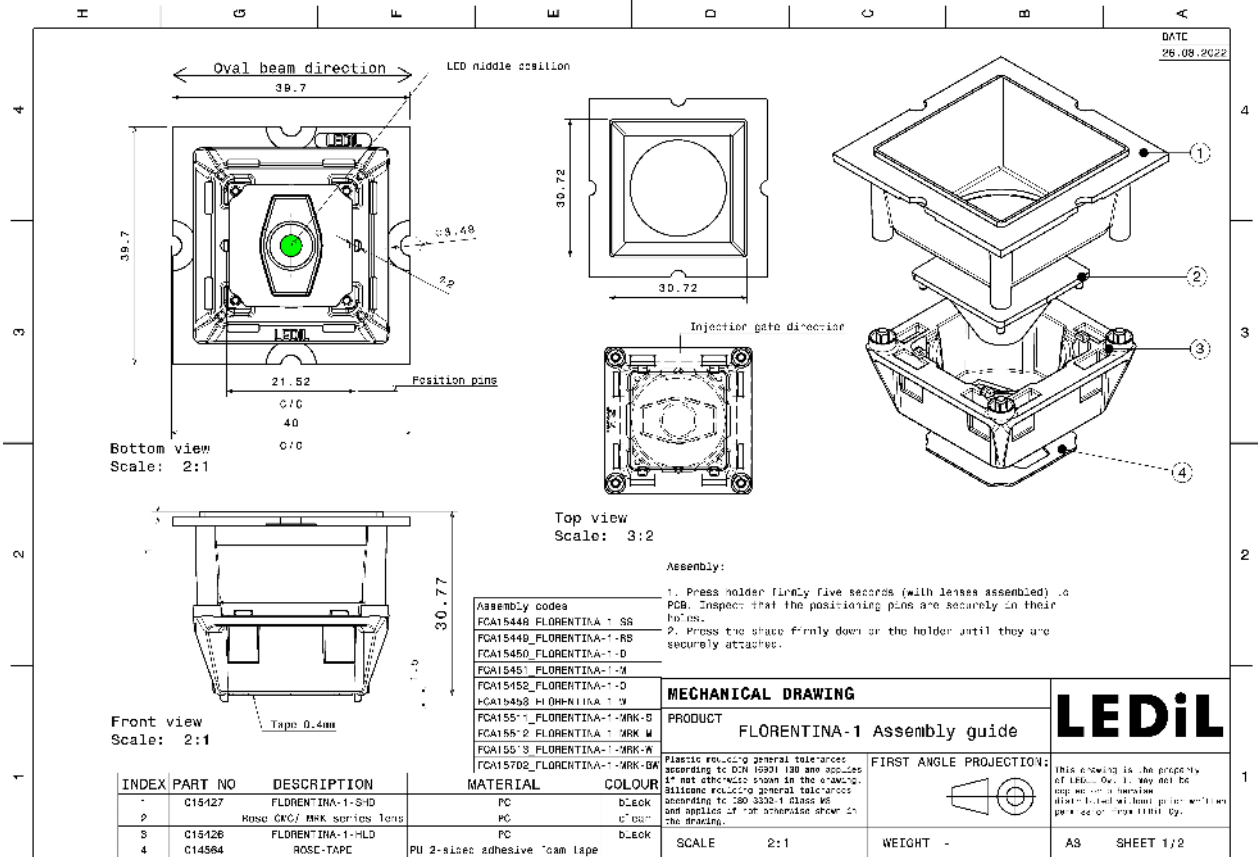
MATERIALS:

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




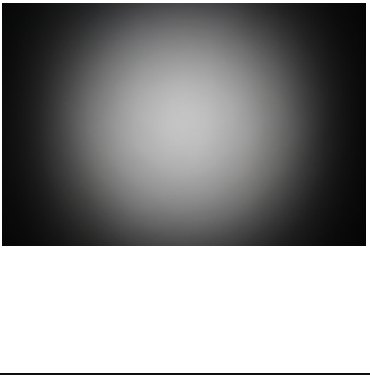
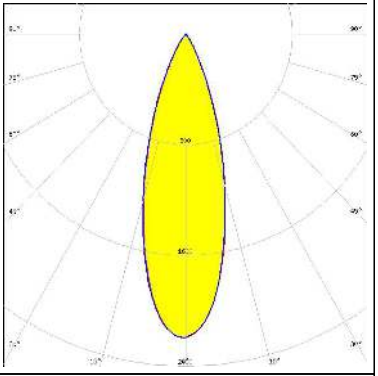


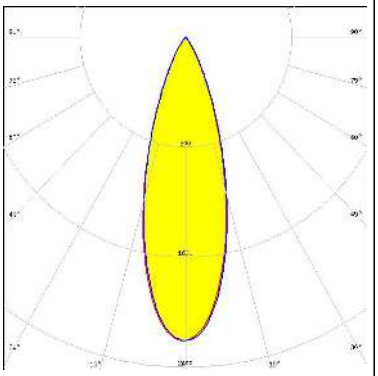

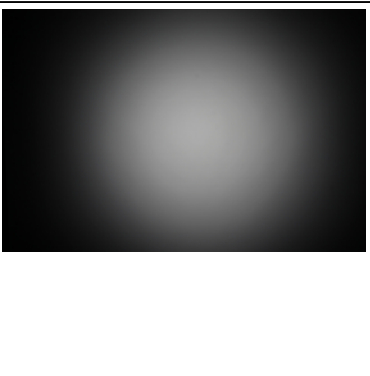
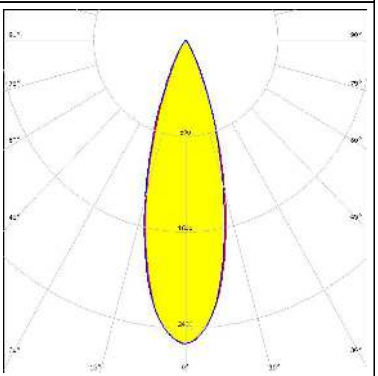


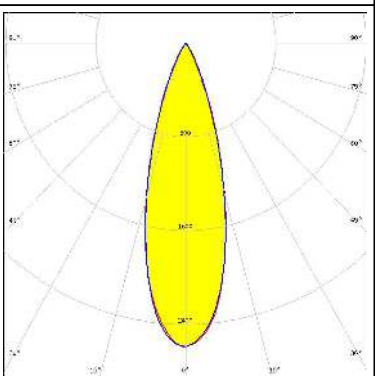
ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FCA15451_FLORENTINA-1-M	Single lens	840		60	7.9
» Box size: 480 x 280 x 300 mm					



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

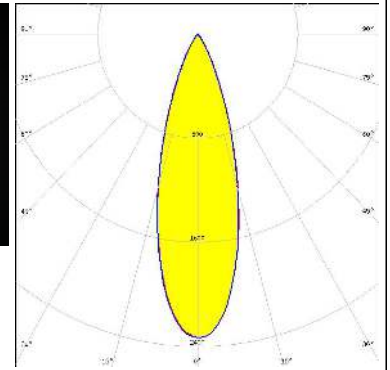
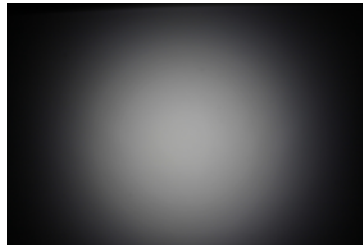
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED Bridgelux SMD 5050</p> <p>FWHM / FWTM 32.0° / 57.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		
<p></p> <p>LED XHP35 HD</p> <p>FWHM / FWTM 32.0° / 58.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		
<p></p> <p>LED XHP35 HI</p> <p>FWHM / FWTM 31.0° / 54.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 2.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p></p> <p>LED XP-G2</p> <p>FWHM / FWTM 31.0° / 53.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 2.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> <p> C15427_FLORENTINA-1-SHD-60</p>		

OPTICAL RESULTS (MEASURED):

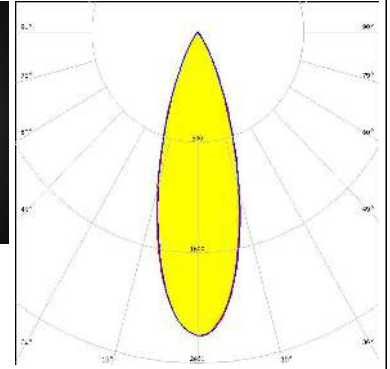
CREE LED

LED XP-L HD
 FWHM / FWTM 31.0° / 56.0°
 Efficiency 76 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



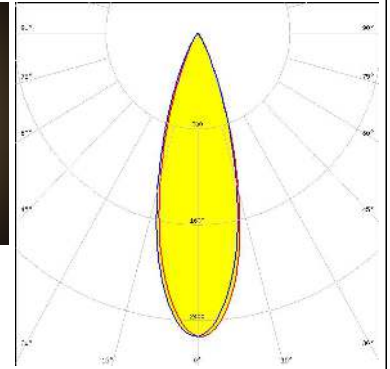
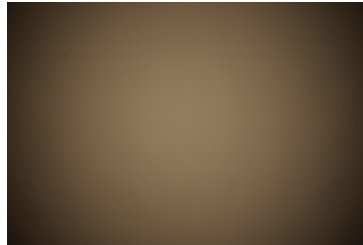
CREE LED

LED XP-L2
 FWHM / FWTM 32.0° / 57.0°
 Efficiency 74 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



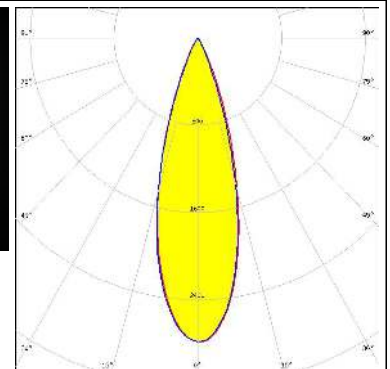
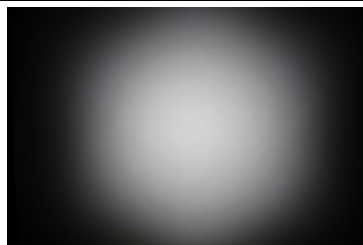
CREE LED

LED XT-E
 FWHM / FWTM 31.0° / 52.0°
 Efficiency 76 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60

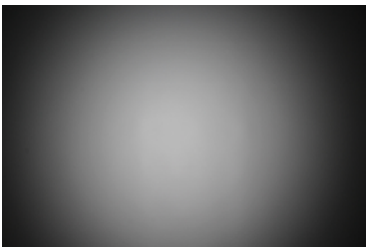
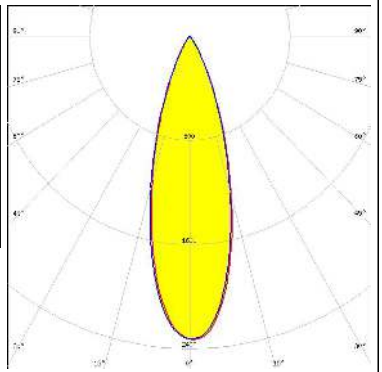
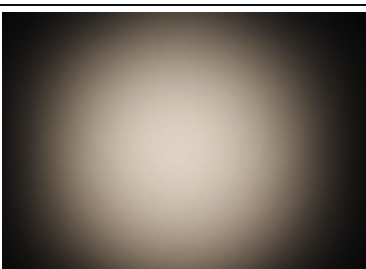
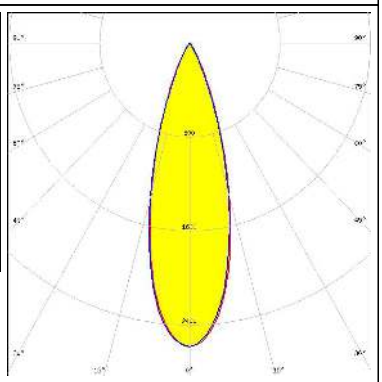
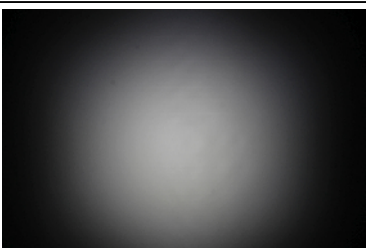
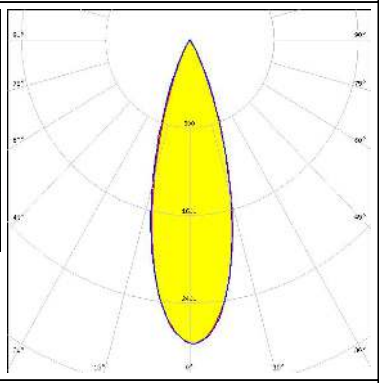
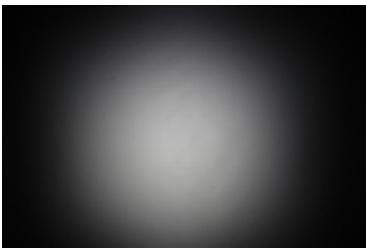
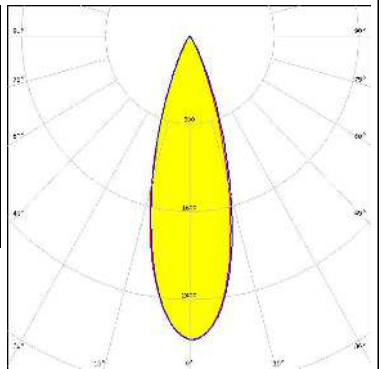


LUMILEDS

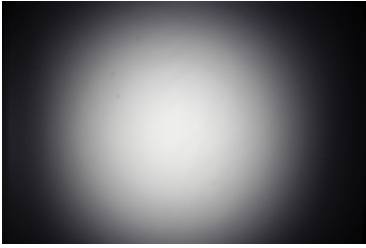
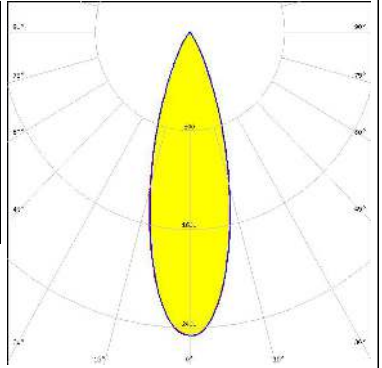
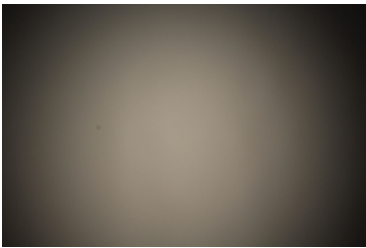
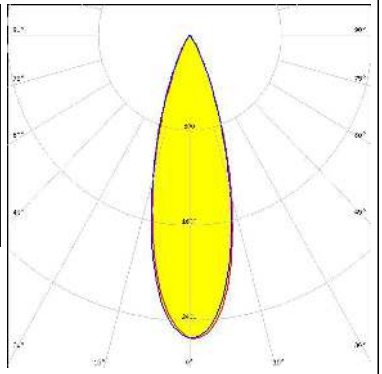
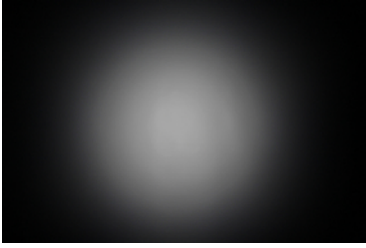
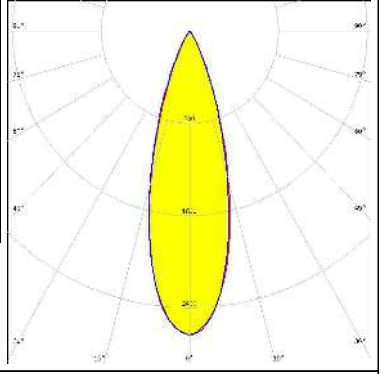
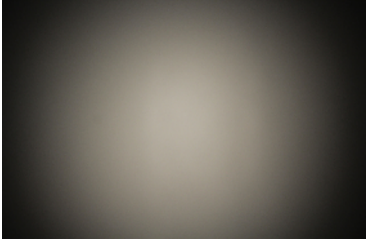
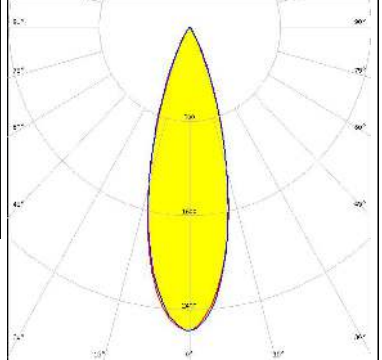
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 31.0° / 51.0°
 Efficiency 80 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



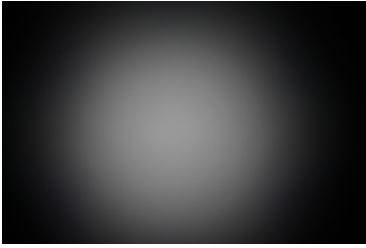
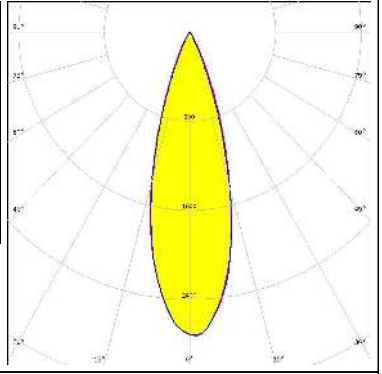
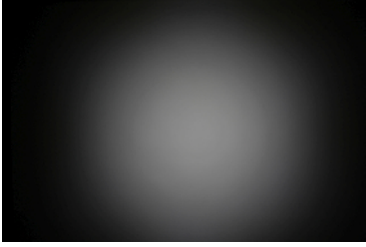
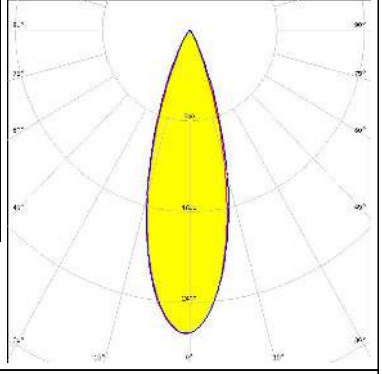
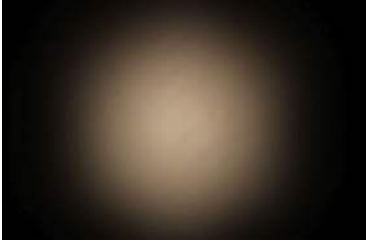
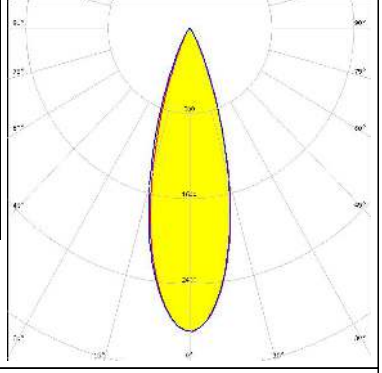
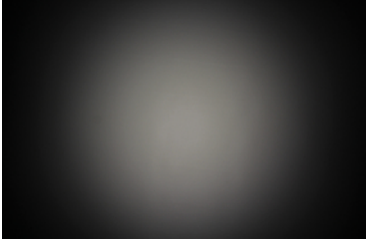
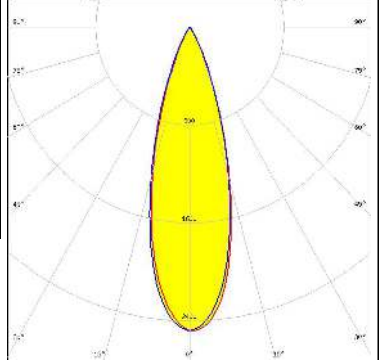
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 31.0° / 56.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 2.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>LUMILEDS</p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 31.0° / 53.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 2.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>NICHIA</p> <p>LED NF2x757G</p> <p>FWHM / FWTM 31.0° / 52.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>NICHIA</p> <p>LED NF2x757G</p> <p>FWHM / FWTM 31.0° / 52.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16701_FLORENTINA-1-SHD-60-WHT</p>		

OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 31.0° / 56.0° Efficiency 79 % Peak intensity 2.5 cd/m LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 31.0° / 53.0° Efficiency 78 % Peak intensity 2.6 cd/m LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM Square CSSRM2/CSSRM3 FWHM / FWTM 31.0° / 53.0° Efficiency 79 % Peak intensity 2.6 cd/m LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM Square EC FWHM / FWTM 31.0° / 53.0° Efficiency 78 % Peak intensity 2.6 cd/m LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		

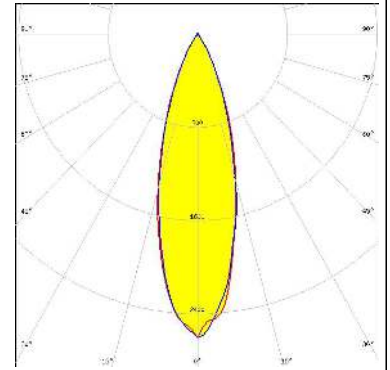
OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150 FWHM / FWTM 31.0° / 52.0° Efficiency 78 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>SAMSUNG</p> <p>LED LM561B FWHM / FWTM 31.0° / 53.0° Efficiency 80 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED SEOUL 5630 FWHM / FWTM 31.0° / 52.0° Efficiency 83 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P FWHM / FWTM 30.0° / 52.0° Efficiency 74 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		

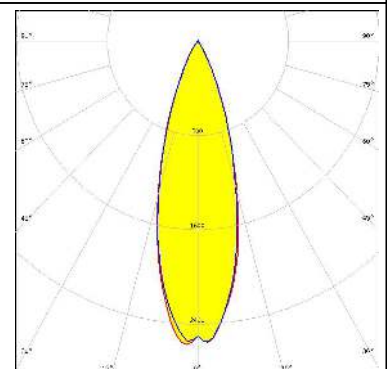
OPTICAL RESULTS (SIMULATED):



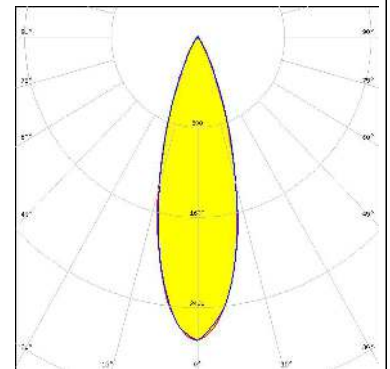
LED XP-G2 HE
FWHM / FWTM 31.0° / 58.0°
Efficiency 86 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C15427_FLORENTINA-1-SHD-60



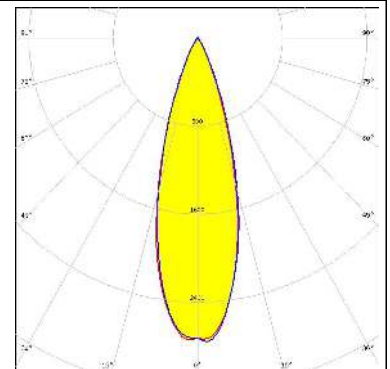
LED LH351B
FWHM / FWTM 31.0° / 55.0°
Efficiency 81 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C15427_FLORENTINA-1-SHD-60



LED Z5M3
FWHM / FWTM 30.0° / 54.0°
Efficiency 84 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Z5M4
FWHM / FWTM 31.0° / 53.0°
Efficiency 85 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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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