

FLORENTINA-1-SS

~16° smooth spot beam

SPECIFICATION:

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

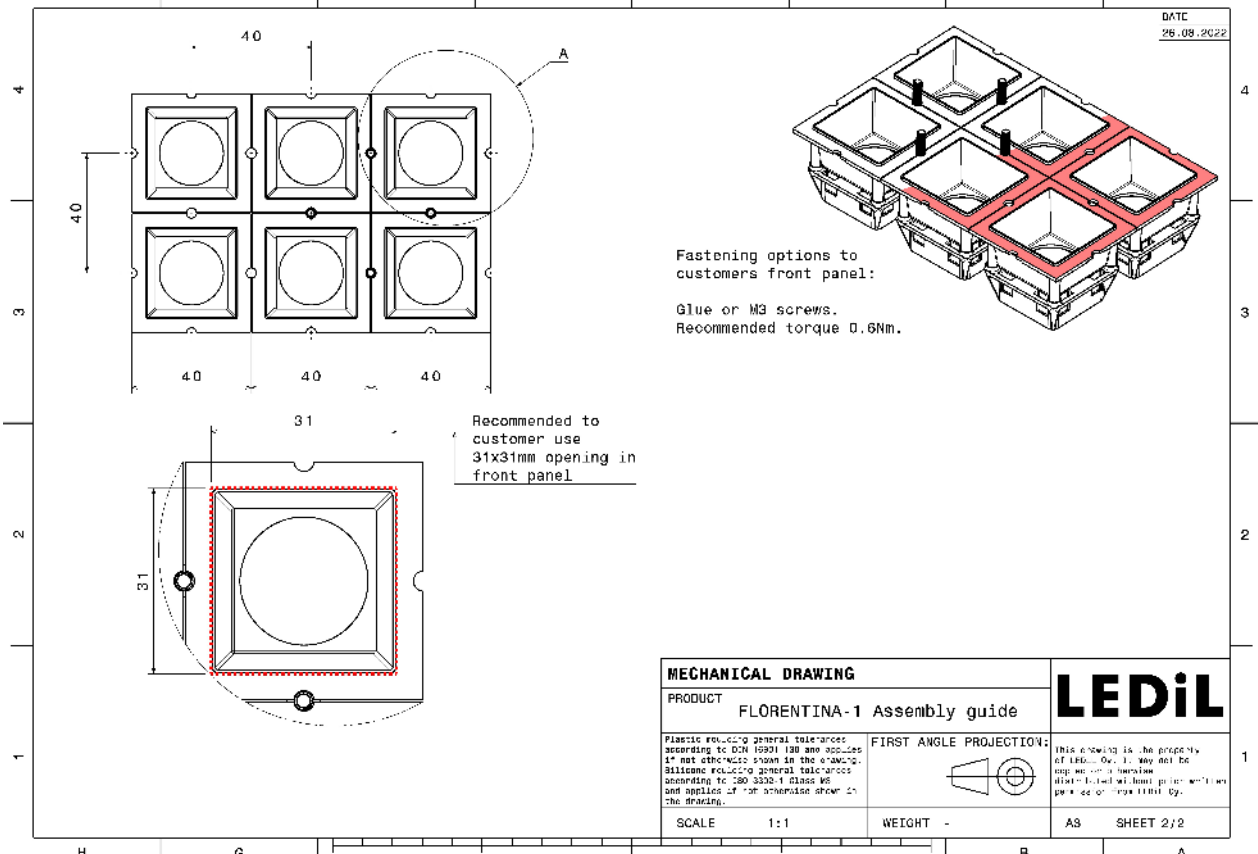
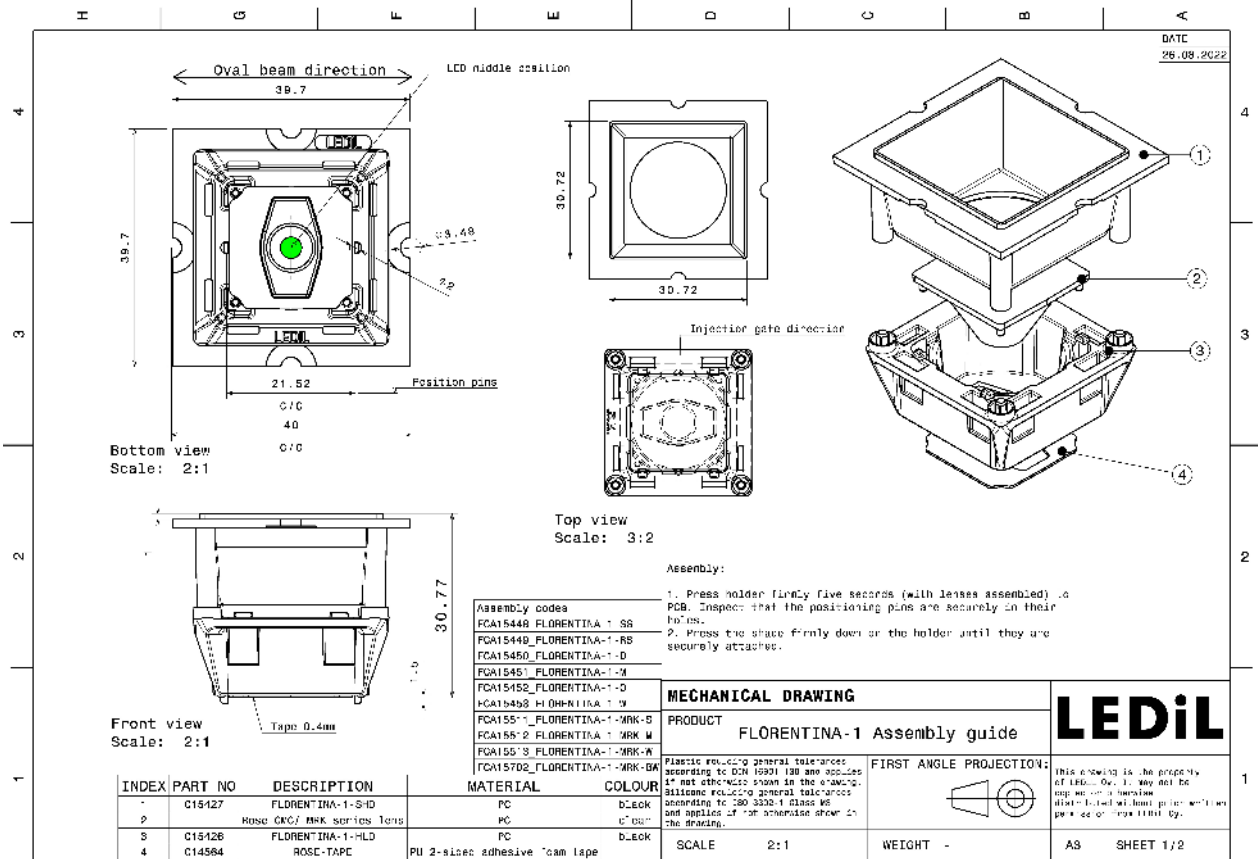
MATERIALS:

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

ORDERING INFORMATION:



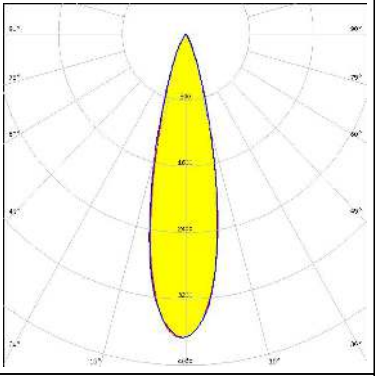


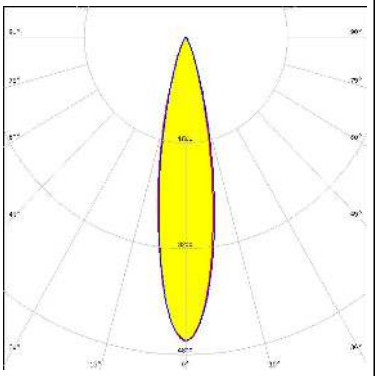


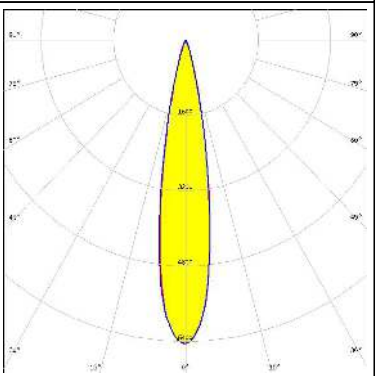


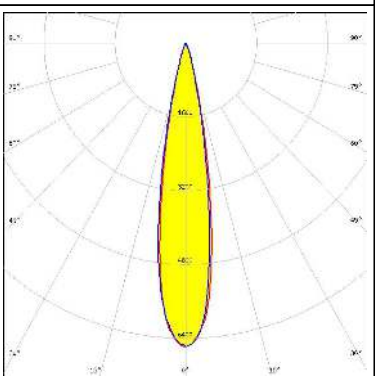
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FCA15448_FLORENTINA-1-SS » Box size: 480 x 280 x 300 mm	Single lens	840		60	7.9





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

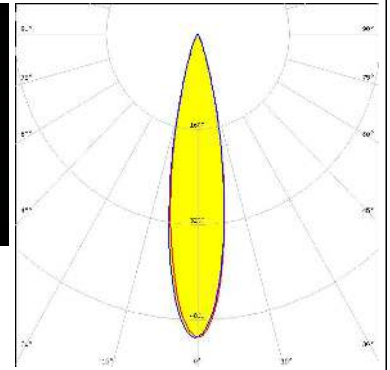
OPTICAL RESULTS (MEASURED):

<p> bridgelux</p> <p>LED Bridgelux SMD 5050 FWHM / FWTM 25.0° / 46.0° Efficiency 82 % Peak intensity 3.7 cd/m LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p> CREE LED</p> <p>LED XHP35 HD FWHM / FWTM 21.0° / 42.0° Efficiency 80 % Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p> CREE LED</p> <p>LED XHP35 HI FWHM / FWTM 19.0° / 33.0° Efficiency 80 % Peak intensity 6.5 cd/m LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p> CREE LED</p> <p>LED XP-G2 FWHM / FWTM 19.0° / 33.0° Efficiency 80 % Peak intensity 6.6 cd/m LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		

OPTICAL RESULTS (MEASURED):

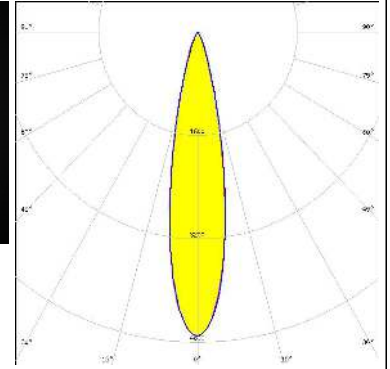
CREE LED

LED XP-L HD
 FWHM / FWTM 21.0° / 38.0°
 Efficiency 79 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



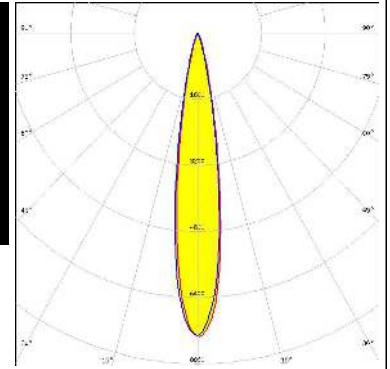
CREE LED

LED XP-L2
 FWHM / FWTM 21.0° / 40.0°
 Efficiency 78 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60



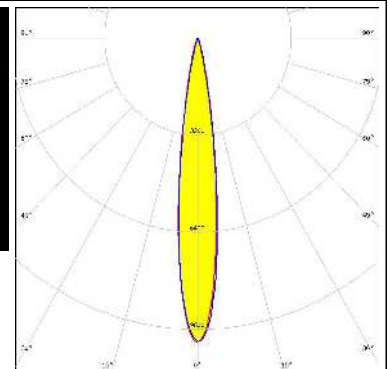
CREE LED

LED XT-E
 FWHM / FWTM 17.0° / 31.0°
 Efficiency 78 %
 Peak intensity 7.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C15427_FLORENTINA-1-SHD-60

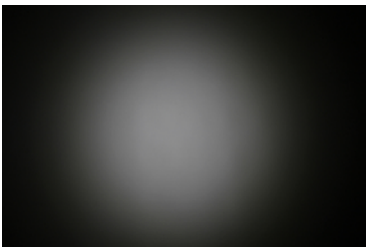
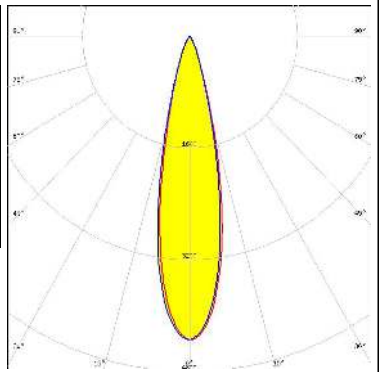
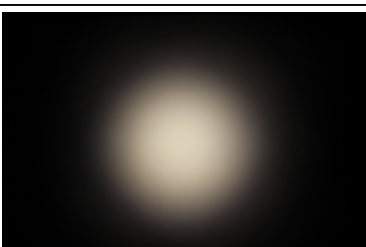
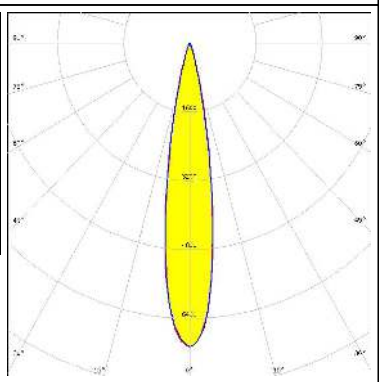
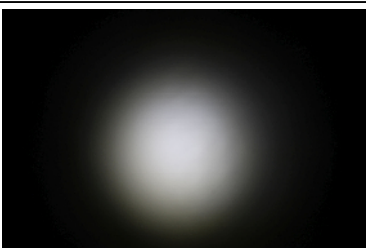
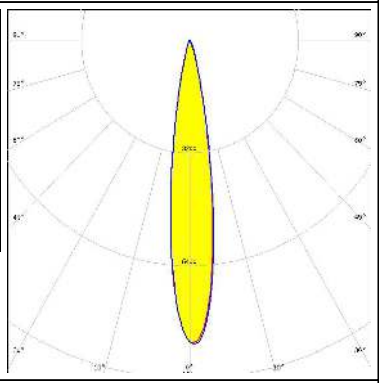

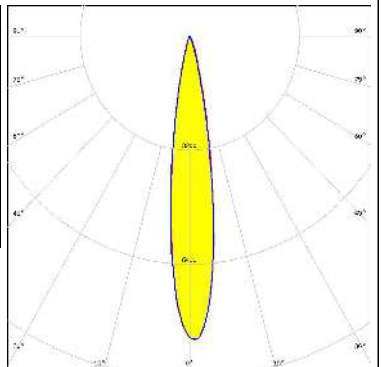


LUMILEDS


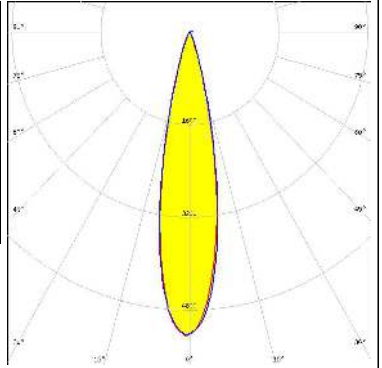
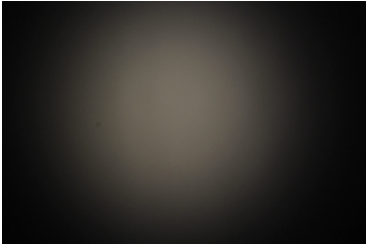
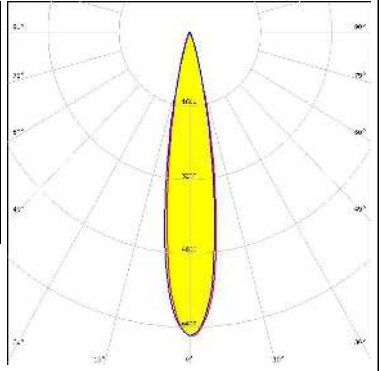
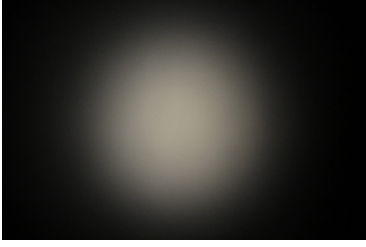
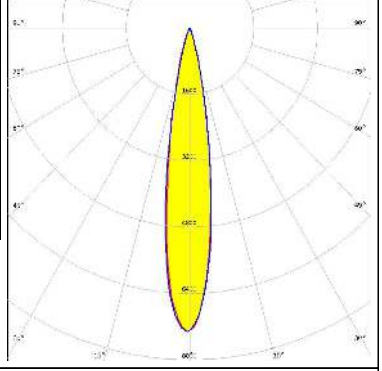

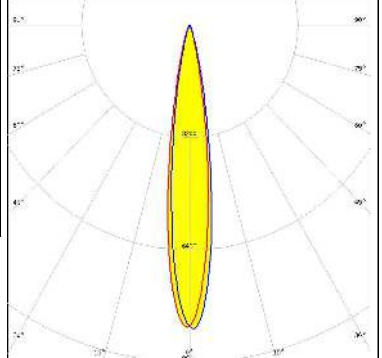
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 15.0° / 27.0°
 Efficiency 82 %
 Peak intensity 10 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:





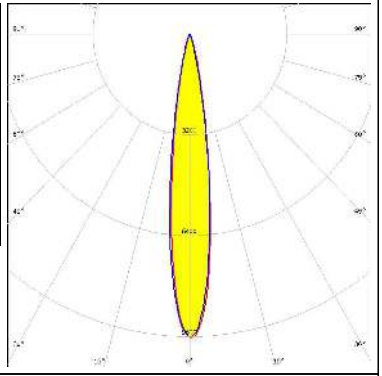


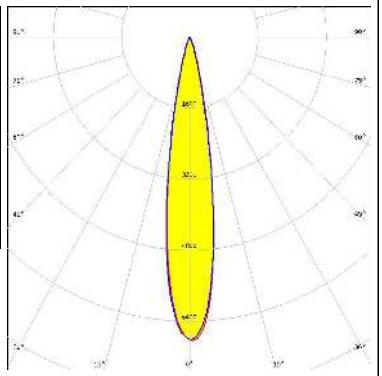
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 23.0° / 42.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 4.4 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 18.0° / 32.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 7.1 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 16.0° / 30.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 8.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16701_FLORENTINA-1-SHD-60-WHT</p>		
<p>NICHIA</p> <p>LED NF2x757G</p> <p>FWHM / FWTM 16.0° / 30.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 8.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		

OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 22.0° / 37.0° Efficiency 84 % Peak intensity 5.3 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 / FWTM 19.0° / 33.0° Efficiency 81 % Peak intensity 6.6 cd/lm 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 17.0° / 33.0° Efficiency 81 % Peak intensity 7.3 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 15.0° / 30.0° Efficiency 84 % Peak intensity 8.6 cd/lm LEDs/each optic 1 Light colour White Required components: C15427_FLORENTINA-1-SHD-60</p>		

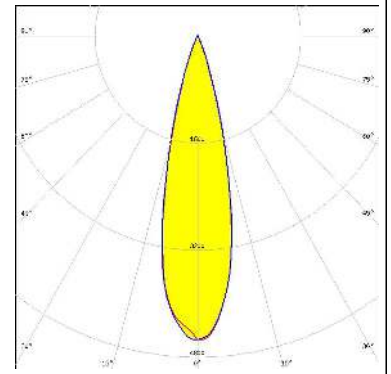
OPTICAL RESULTS (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED SEOUL 5630</p> <p>FWHM / FWTM 15.0° / 29.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 9.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 18.0° / 32.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 6.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		

OPTICAL RESULTS (SIMULATED):



LED	XP-G2 HE
FWHM / FWTM	25.0° / 42.0°
Efficiency	90 %
Peak intensity	4.6 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:

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