

FLORENTINA-HLD-D

~18° diffused spot beam

SPECIFICATION:

Dimensions	285.6 x 19.5 mm
Height	9.5 mm
Fastening	screw
ROHS compliant	yes ⓘ

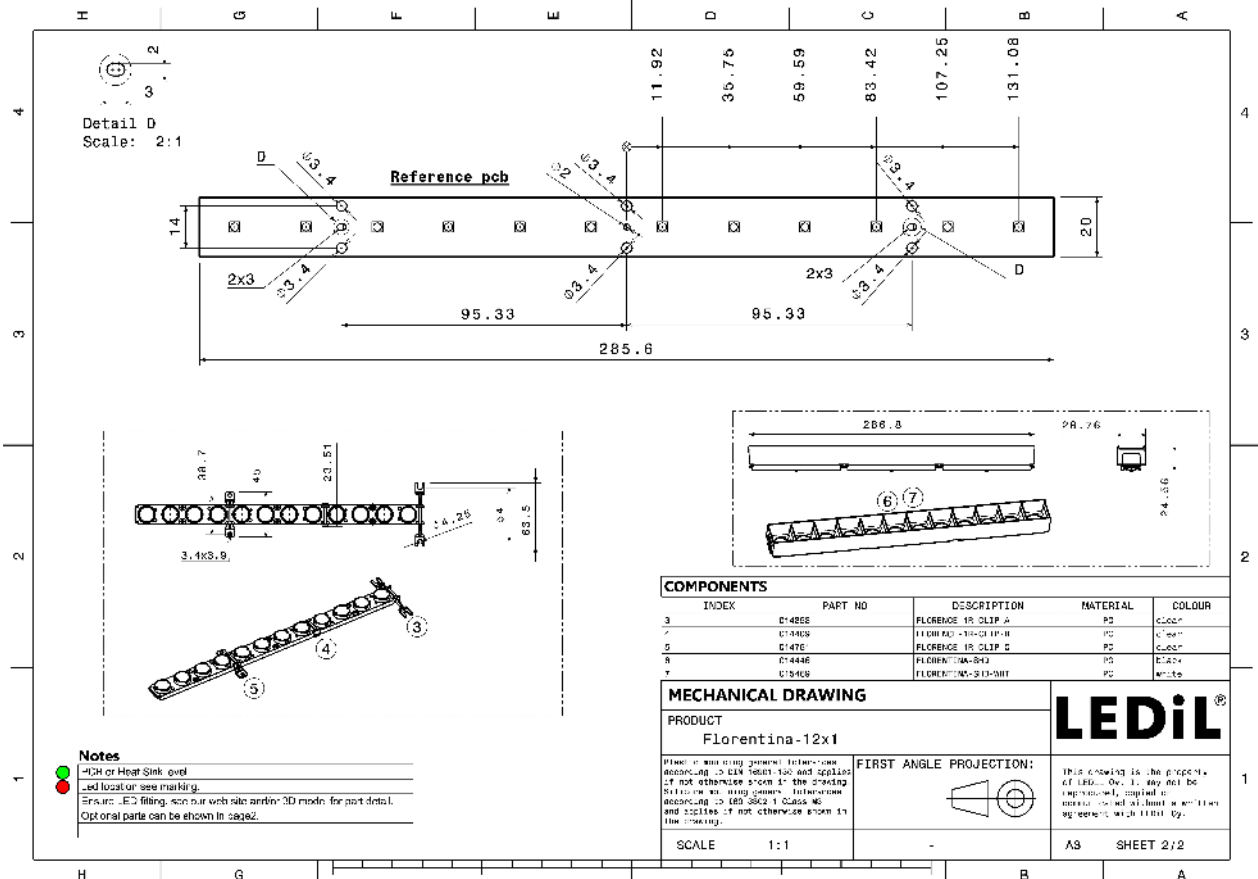
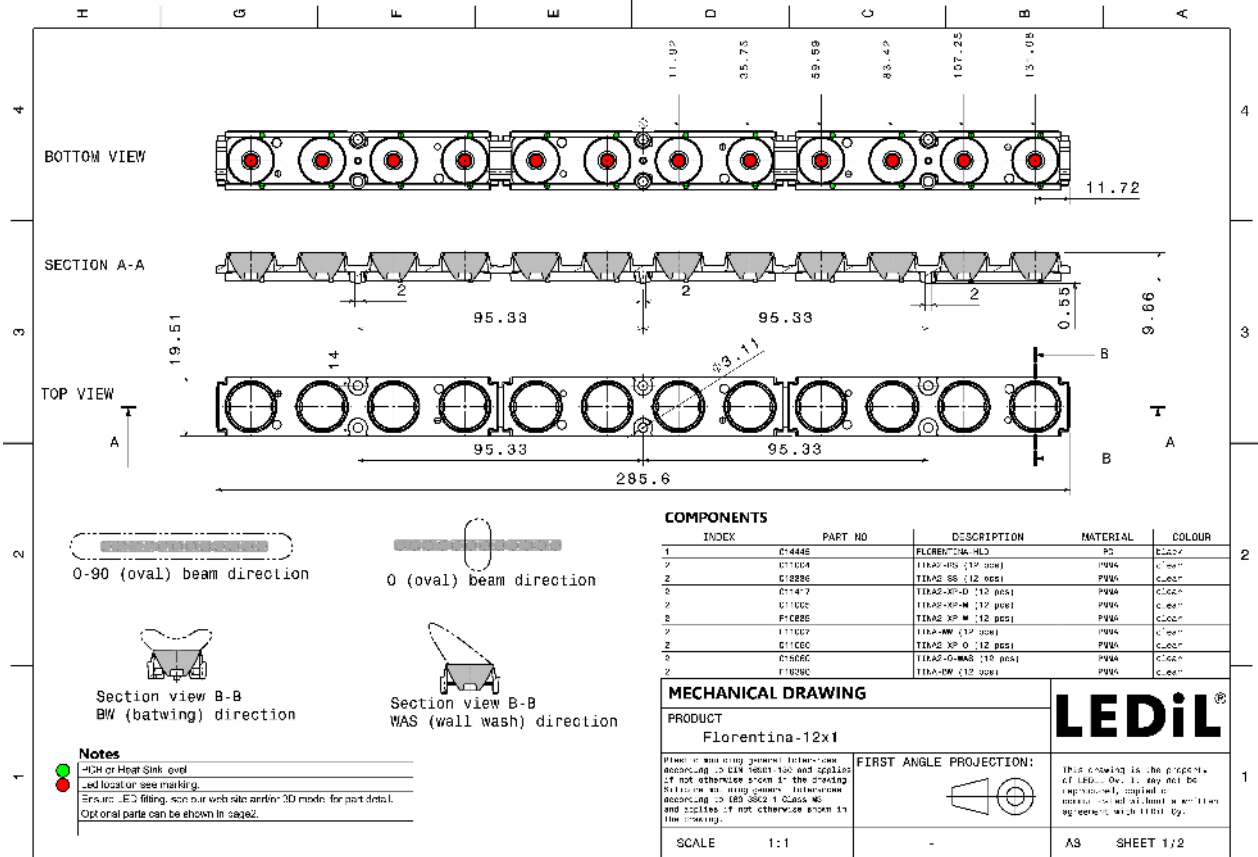
MATERIALS:

Component	Type	Material	Colour	Finish
TINA2-XP-D	Single lens	PMMA	clear	
FLORENTINA-HLD	Holder	PC	black	

ORDERING INFORMATION:


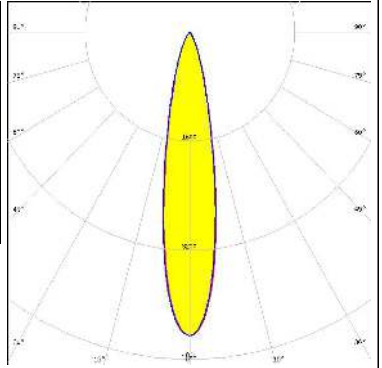

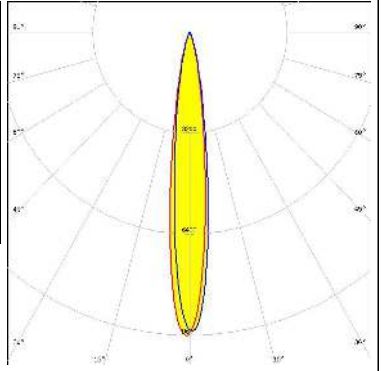
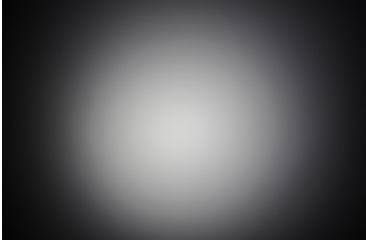
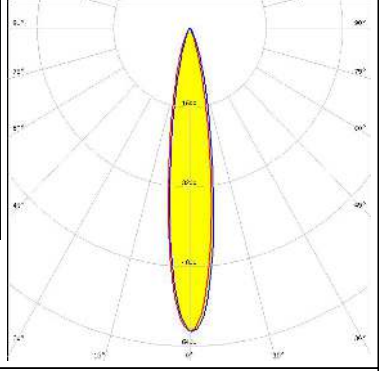

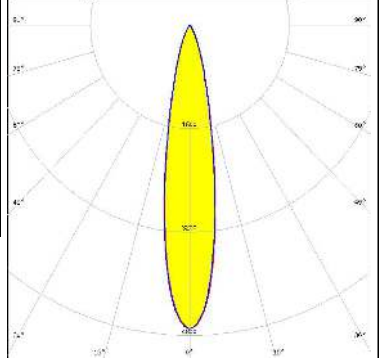
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP14996_FLORENTINA-HLD-D » Box size: 398 x 298 x 140 mm	Single lens	160	32	16	5.2



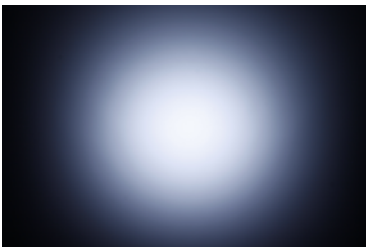
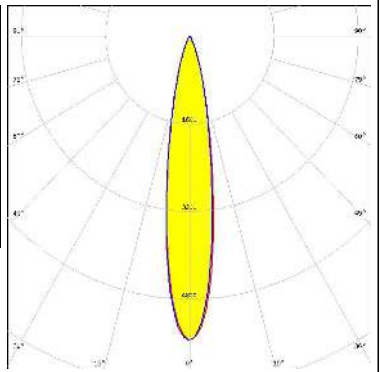

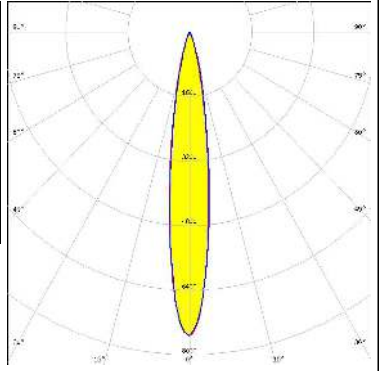
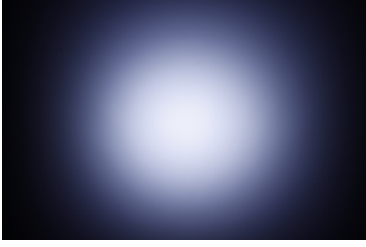
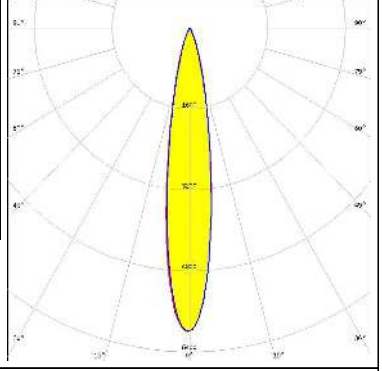

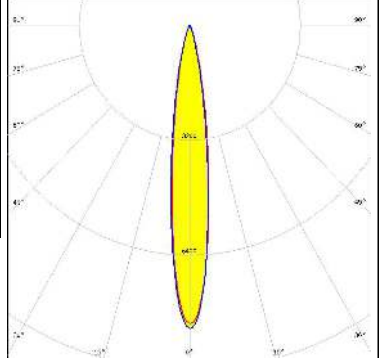


See also our general installation guide: www.ledil.com/installation_guide


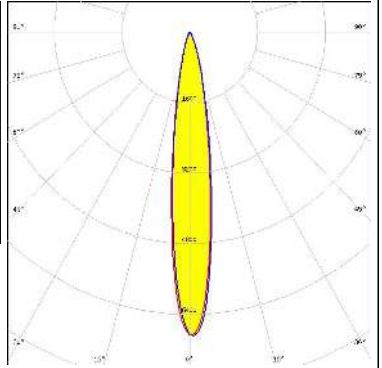
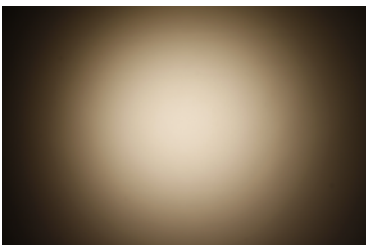
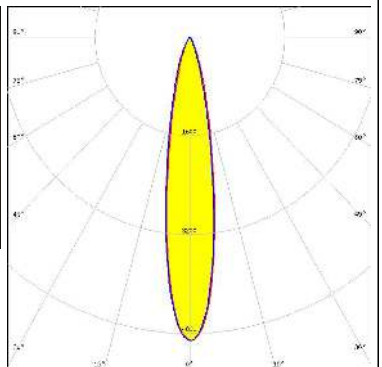
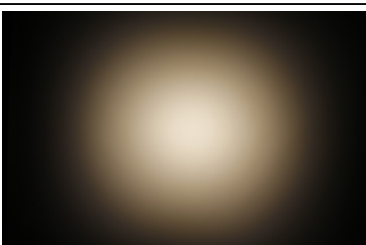
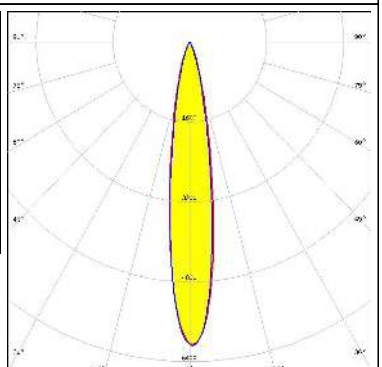
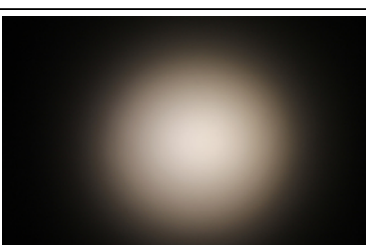
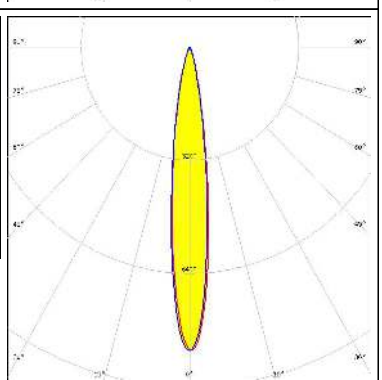
OPTICAL RESULTS (MEASURED):

<p>COMET The Professional Choice</p> <p>LED QUICK FLUX LED FL-XG 1x12 xxx</p> <p>FWHM / FWTM 20.0° / 43.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 4.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>CREE LED</p> <p>LED XP-E2</p> <p>FWHM / FWTM 13.0° / 30.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 9.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>CREE LED</p> <p>LED XP-G2</p> <p>FWHM / FWTM 17.0° / 37.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 6.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>CREE LED</p> <p>LED XP-G3</p> <p>FWHM / FWTM 19.0° / 42.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 4.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		


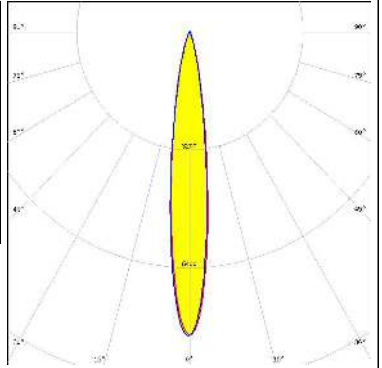

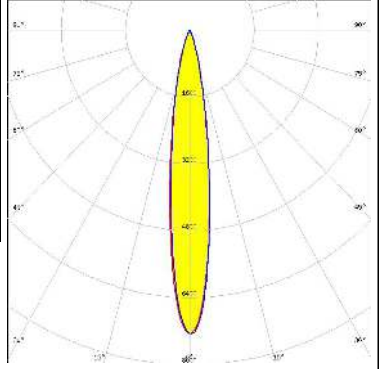
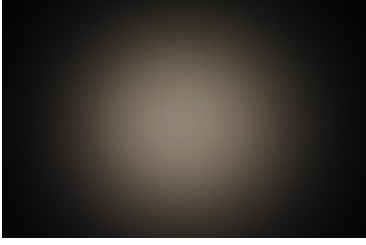
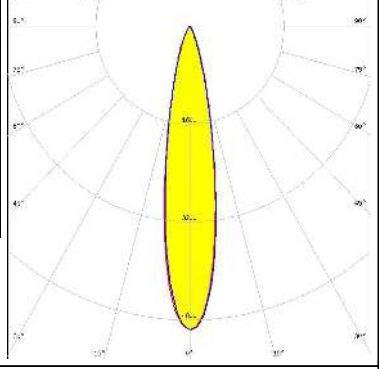
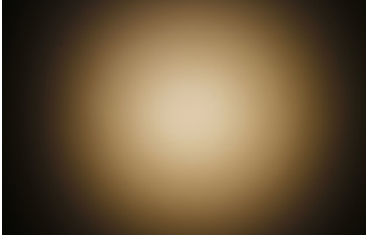
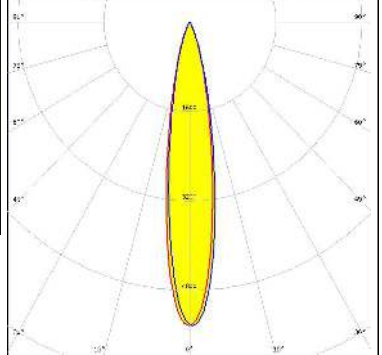
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Rebel ES</p> <p>FWHM / FWTM 18.0° / 39.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 5.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>LUMILEDS</p> <p>LED LUXEON Rebel Plus</p> <p>FWHM / FWTM 15.0° / 33.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 7.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>LUMILEDS</p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 17.0° / 37.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 15.0° / 31.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 8.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 15.0° / 34.0° Efficiency 79 % Peak intensity 6.9 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 19.0° / 40.0° Efficiency 78 % Peak intensity 4.9 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON Square EC FWHM / FWTM 17.0° / 37.0° Efficiency 80 % Peak intensity 6.1 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON SSL 150 FWHM / FWTM 14.0° / 30.0° Efficiency 80 % Peak intensity 8.6 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		

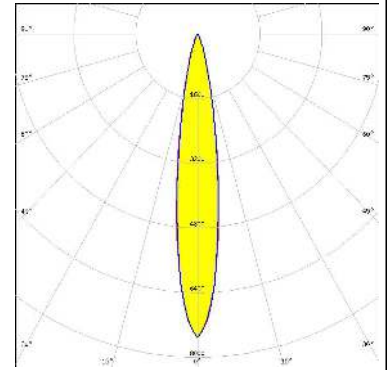
OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 14.0° / 31.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 8.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 80</p> <p>FWHM / FWTM 15.0° / 34.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 7.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>SAMSUNG</p> <p>LED LH351B</p> <p>FWHM / FWTM 20.0° / 41.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>TOSHIBA Leading Innovation >>></p> <p>LED TL1L4</p> <p>FWHM / FWTM 18.0° / 39.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 5.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

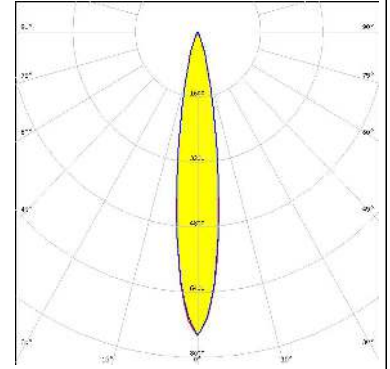
OPTICAL RESULTS (SIMULATED):



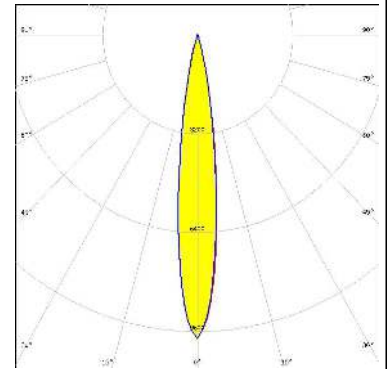
LED J Series 3030
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 91 %
 Peak intensity 7.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



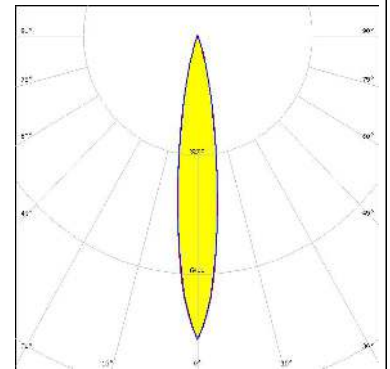
LED J Series 3030
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 88 %
 Peak intensity 7.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED NCSxE17A
 FWHM / FWTM 15.0° / 29.0°
 Efficiency 82 %
 Peak intensity 12 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



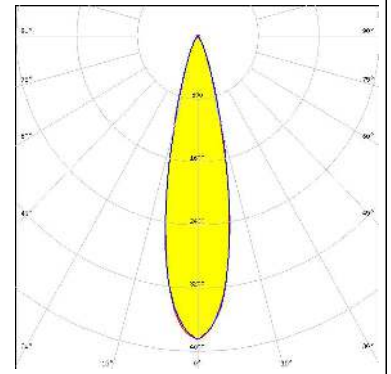
LED NVSxE21A
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 82 %
 Peak intensity 10 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



OPTICAL RESULTS (SIMULATED):



LED	NWSx229A
FWHM / FWTM	24.0° / 44.0°
Efficiency	86 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	C14446_FLORENTINA-SHD



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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