

FLORENTINA-HLD-O

~35° + 12° oval beam

SPECIFICATION:

Dimensions	285.6 x 19.5 mm
Height	9.7 mm
Fastening	screw
ROHS compliant	yes ⓘ

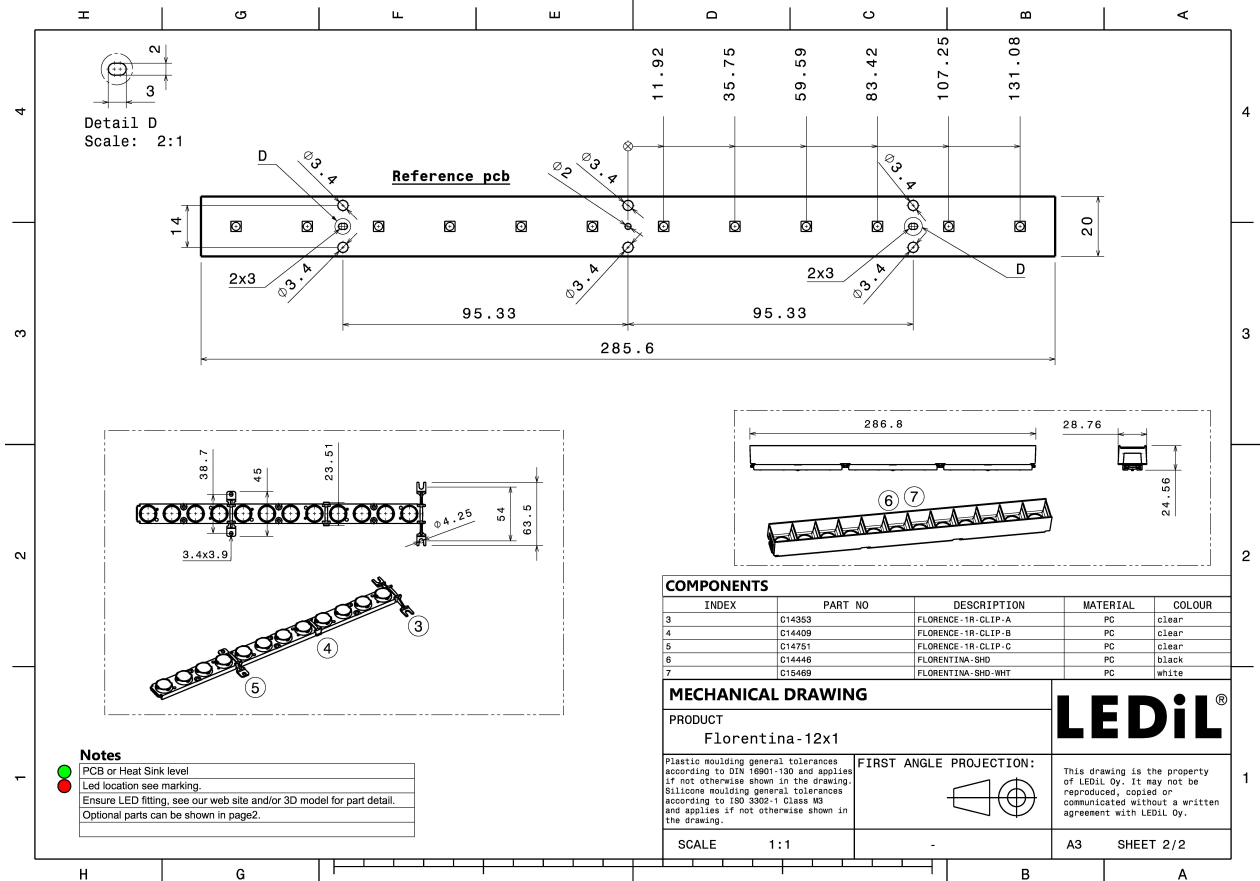
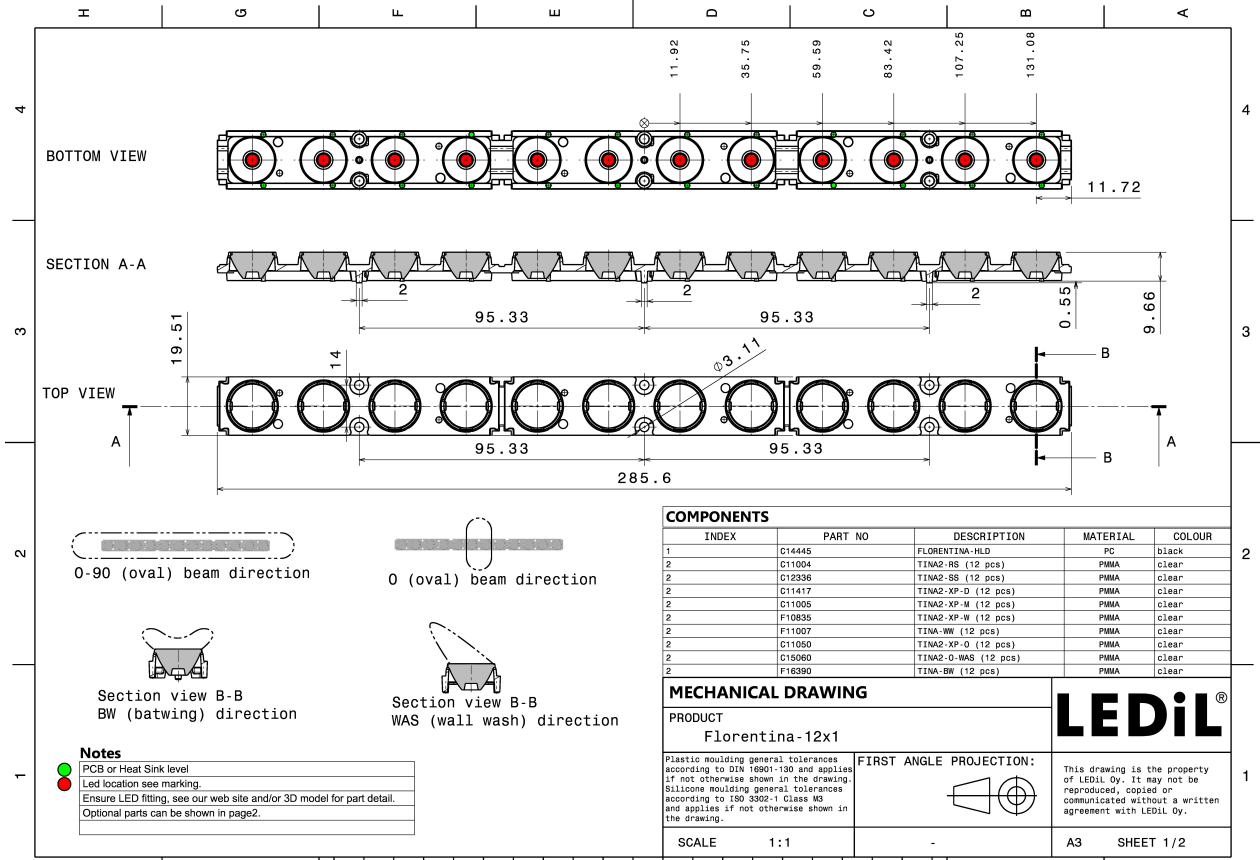
MATERIALS:

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

ORDERING INFORMATION:


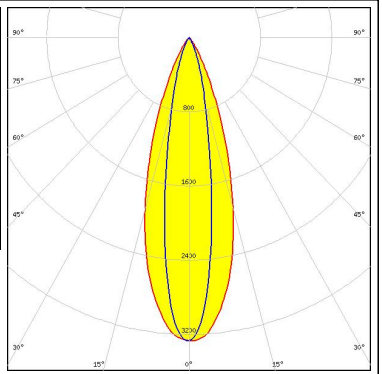

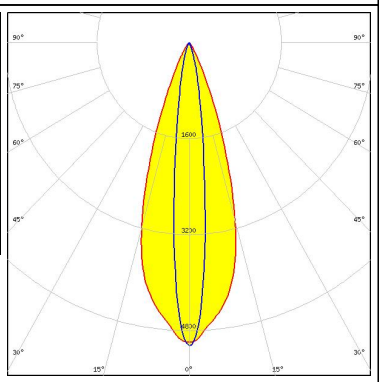

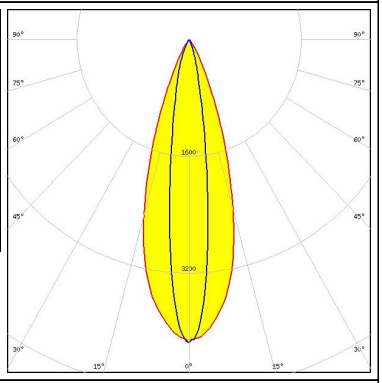

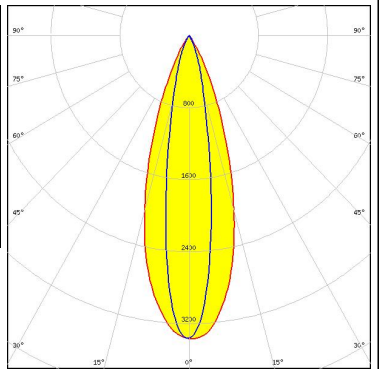
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP14995_FLORENTINA-HLD-O » Box size: 398 x 298 x 140 mm	Single lens	160	32	16	5.4





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

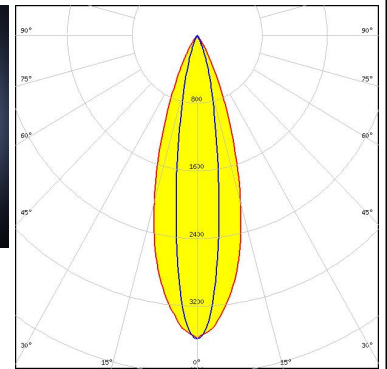
OPTICAL RESULTS (MEASURED):

<p>COMET ELECTRONICS</p> <p>LED QUICK FLUX LED FL-XG 1x12 xxx</p> <p>FWHM / FWTM 34.0 + 18.0° / 59.0 + 41.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 3.3 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 35.0 + 12.0° / 54.0 + 29.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 5.1 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 34.0 + 15.0° / 56.0 + 35.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 4.2 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 34.0 + 18.0° / 58.0 + 40.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 3.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

OPTICAL RESULTS (MEASURED):

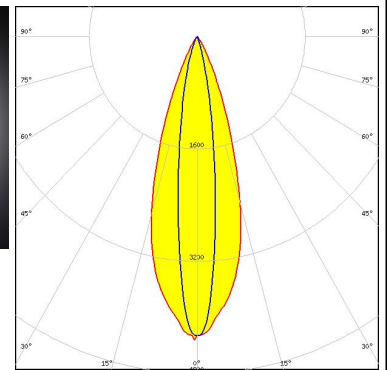
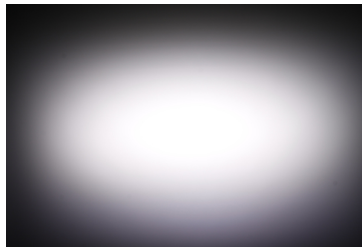
LUMILEDS

LED LUXEON Rebel ES
 FWHM / FWTM 33.0 + 17.0° / 56.0 + 38.0°
 Efficiency 79 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



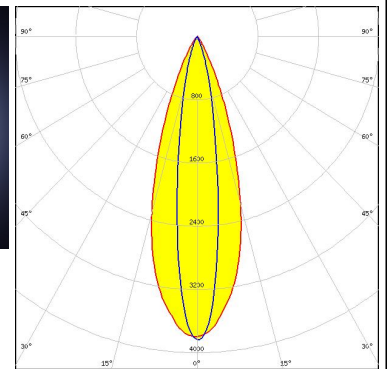
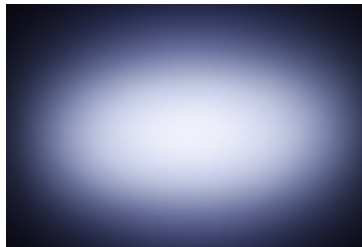
LUMILEDS

LED LUXEON Rebel Plus
 FWHM / FWTM 33.0 + 15.0° / 55.0 + 33.0°
 Efficiency 81 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



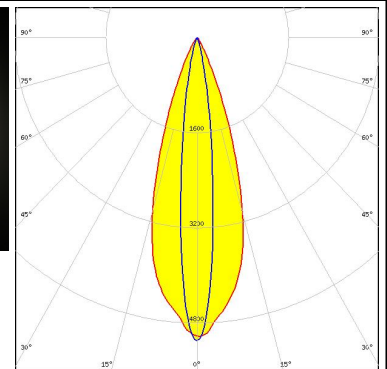
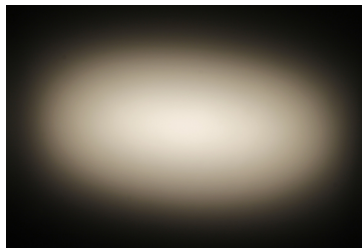
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 34.0 + 16.0° / 57.0 + 36.0°
 Efficiency 81 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD


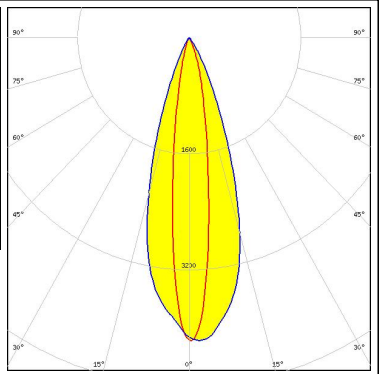
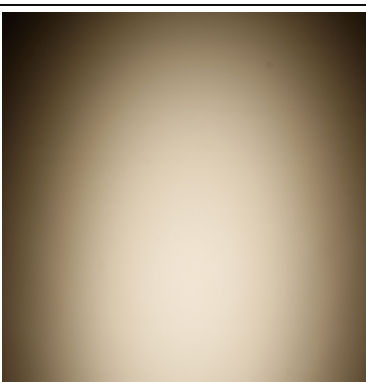
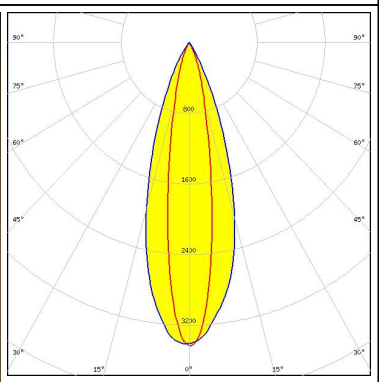

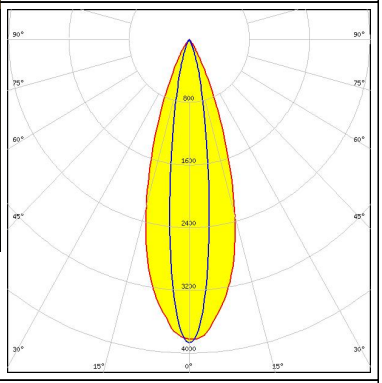

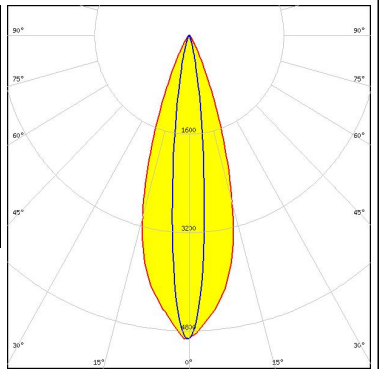


LUMILEDS

LED LUXEON Z ES
 FWHM / FWTM 34.0 + 13.0° / 54.0 + 27.0°
 Efficiency 82 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



OPTICAL RESULTS (MEASURED):

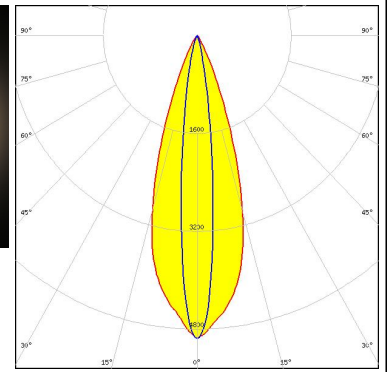
<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 34.0 + 14.0° / 55.0 + 33.0° Efficiency 79 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 34.0 + 17.0° / 58.0 + 39.0° Efficiency 78 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOX Square EC FWHM / FWTM 34.0 + 15.0° / 57.0 + 35.0° Efficiency 79 % Peak intensity 3.9 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOX SSL 150 FWHM / FWTM 34.0 + 12.0° / 54.0 + 27.0° Efficiency 84 % Peak intensity 4.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

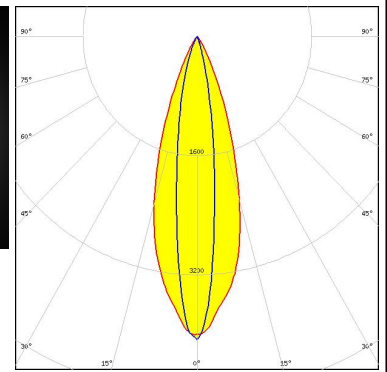
LED OSLON SSL 150
 FWHM / FWTM 34.0 + 12.0° / 54.0 + 27.0°
 Efficiency 80 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



OSRAM

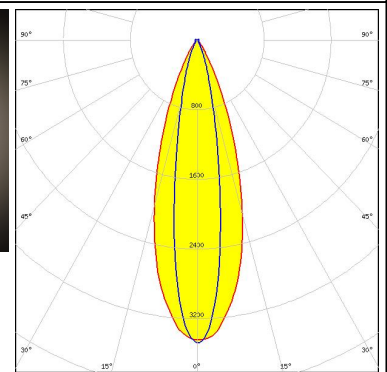
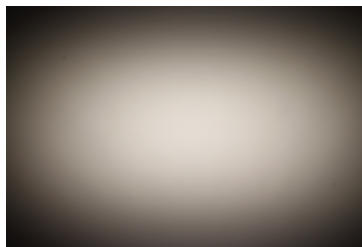
Opto Semiconductors

LED OSLON SSL 80
 FWHM / FWTM 33.0 + 15.0° / 56.0 + 35.0°
 Efficiency 79 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



SAMSUNG

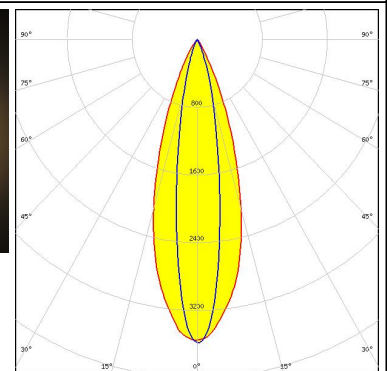
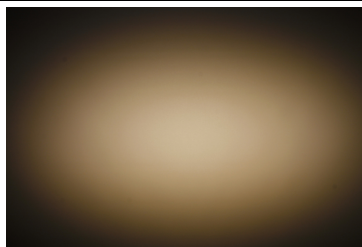
LED LH351B
 FWHM / FWTM 34.0 + 18.0° / 60.0 + 40.0°
 Efficiency 94 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



TOSHIBA

Leading Innovation >>>

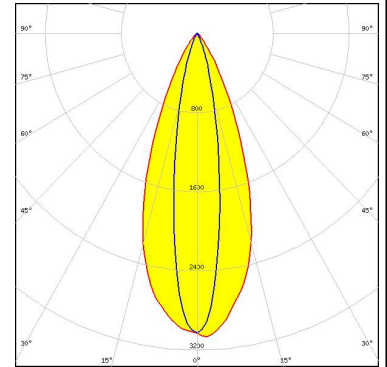
LED TL1L4
 FWHM / FWTM 34.0 + 17.0° / 57.0 + 38.0°
 Efficiency 79 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



OPTICAL RESULTS (SIMULATED):



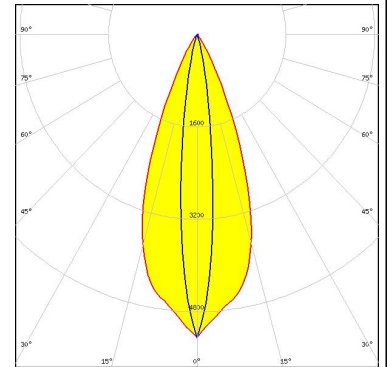
LED J Series 3030
 FWHM / FWTM 40.0 + 18.0° / 68.0 + 40.0°
 Efficiency 87 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



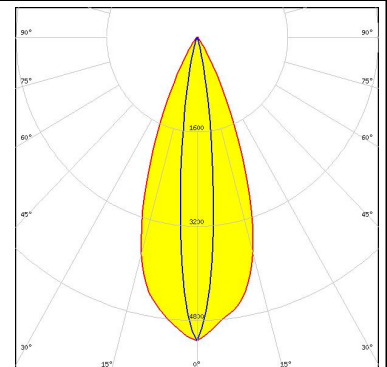
LED J Series 3030
 FWHM / FWTM 40.0 + 18.0° / 64.0 + 38.0°
 Efficiency 82 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED NCSxE17A
 FWHM / FWTM 40.0 + 13.0° / 61.0 + 27.0°
 Efficiency 94 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



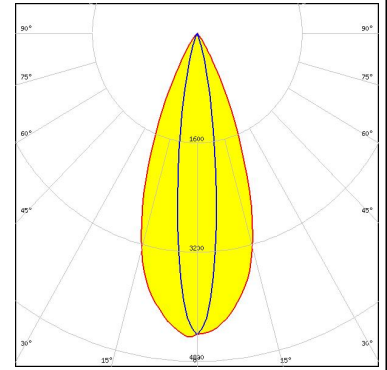
LED NCSxE17A
 FWHM / FWTM 40.0 + 13.0° / 62.0 + 27.0°
 Efficiency 94 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



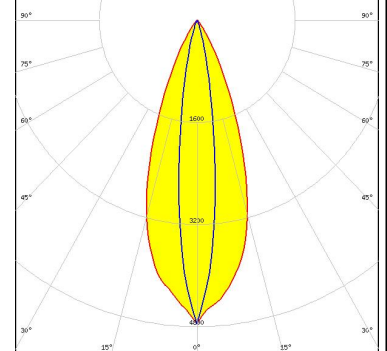
OPTICAL RESULTS (SIMULATED):



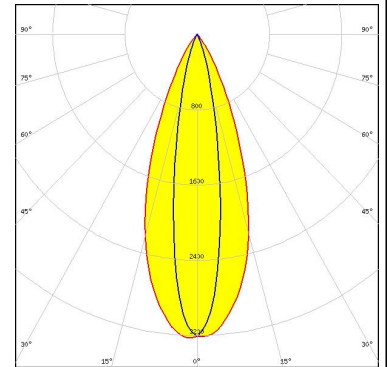
LED NVSxE21A
 FWHM / FWTM 40.0 + 15.0° / 61.0 + 31.0°
 Efficiency 94 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



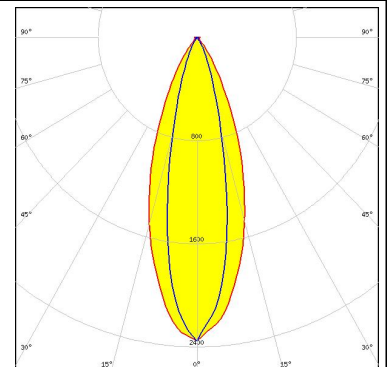
LED NVSxE21A
 FWHM / FWTM 38.0 + 14.0° / 64.0 + 31.0°
 Efficiency 94 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19A
 FWHM / FWTM 39.0 + 18.0° / 66.0 + 38.0°
 Efficiency 84 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



LED NWSx229A
 FWHM / FWTM 38.0 + 23.0° / 69.0 + 47.0°
 Efficiency 81 %
 Peak intensity 2.4 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:

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