

FLORENTINA-HLD-WW

~45° wide beam

SPECIFICATION:

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

MATERIALS:

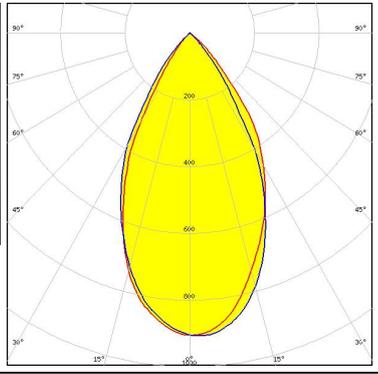
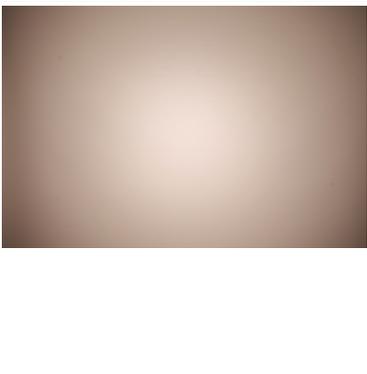
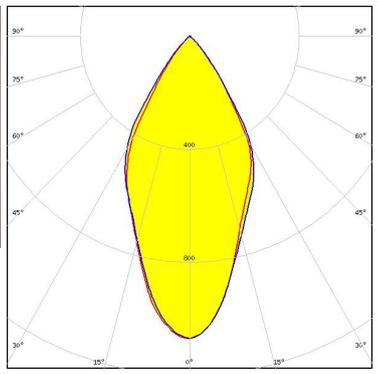
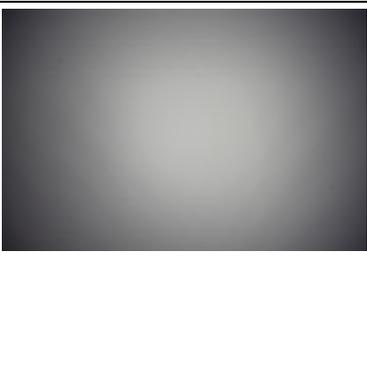
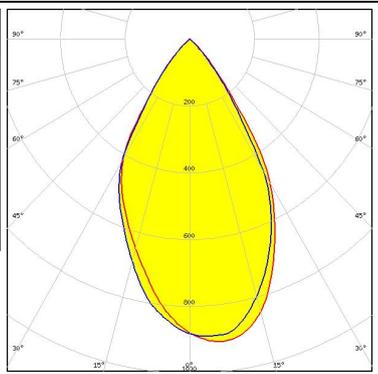
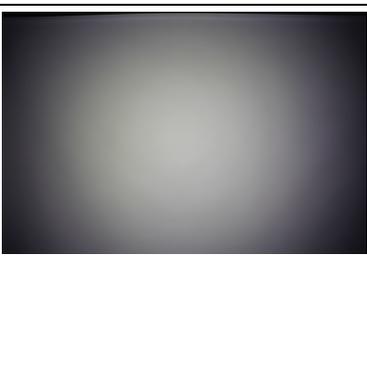
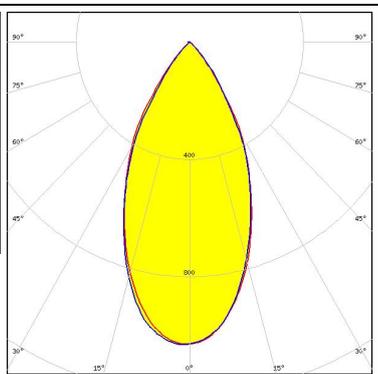
Component	Type	Material	Colour	Finish
TINA-WW-XP	Single lens	PMMA	clear	
FLORENTINA-HLD	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP14998_FLORENTINA-HLD-WW	Single lens	160	32	16	5.2
» Box size: 398 x 298 x 140 mm					



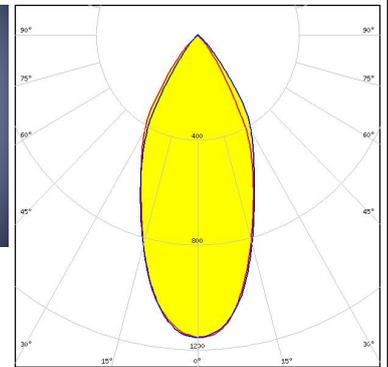
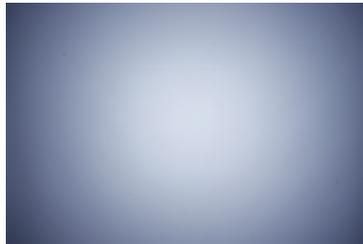
OPTICAL RESULTS (MEASURED):

<p>COMET ELECTRONICS</p> <p>LED QUICK FLUX LED FL-XG 1x12 xxx</p> <p>FWHM / FWTM 56.0° / 84.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>CREE LEDs</p> <p>LED XP-E2</p> <p>FWHM / FWTM 52.0° / 82.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>CREE LEDs</p> <p>LED XP-G2</p> <p>FWHM / FWTM 59.0° / 86.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 0.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>CREE LEDs</p> <p>LED XP-G3</p> <p>FWHM / FWTM 50.0° / 81.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

OPTICAL RESULTS (MEASURED):

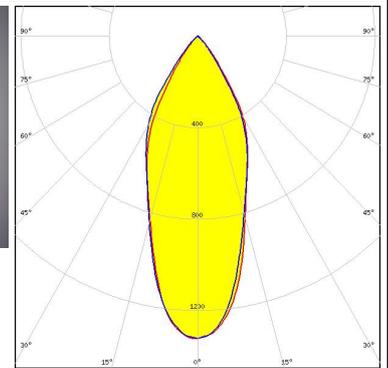
LUMILEDS

LED LUXEON Rebel ES
 FWHM / FWTM 46.0° / 80.0°
 Efficiency 77 %
 Peak intensity 1.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



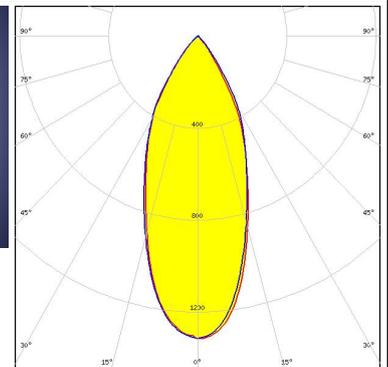
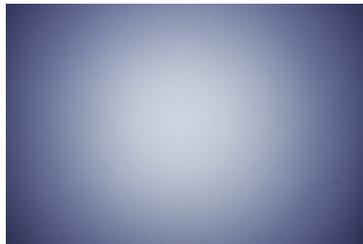
LUMILEDS

LED LUXEON Rebel Plus
 FWHM / FWTM 40.0° / 78.0°
 Efficiency 79 %
 Peak intensity 1.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



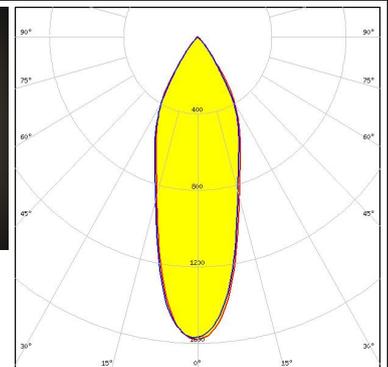
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 41.0° / 77.0°
 Efficiency 78 %
 Peak intensity 1.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD

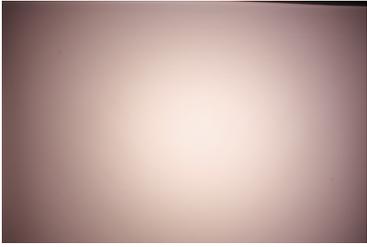
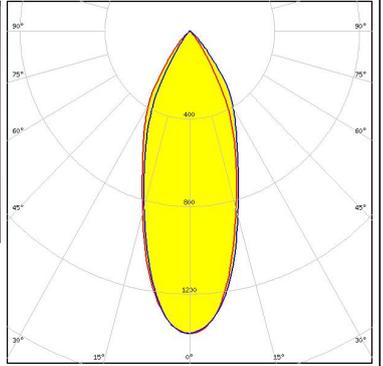
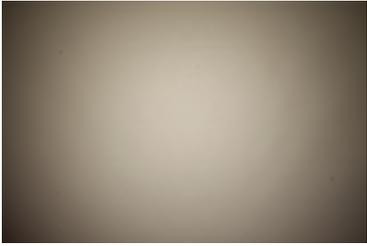
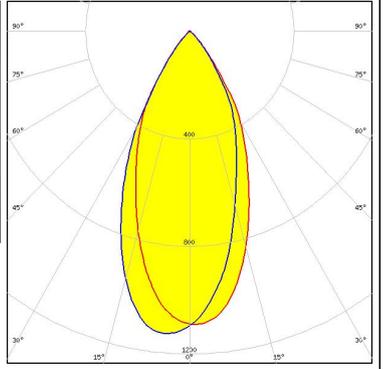
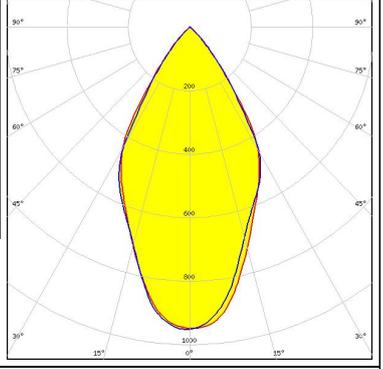
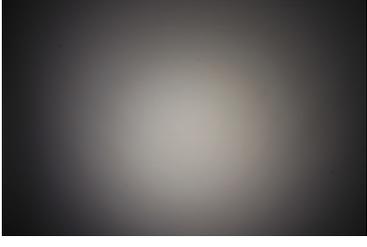
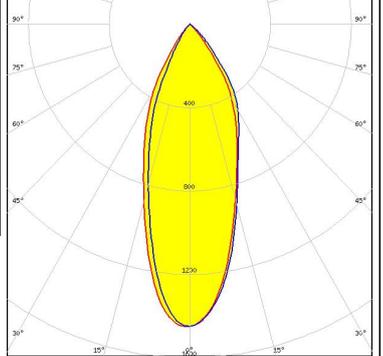


LUMILEDS

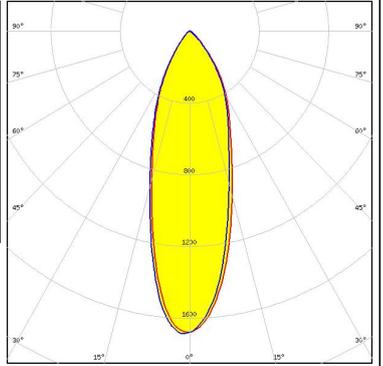
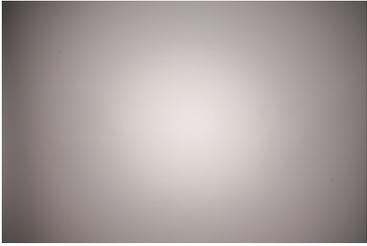
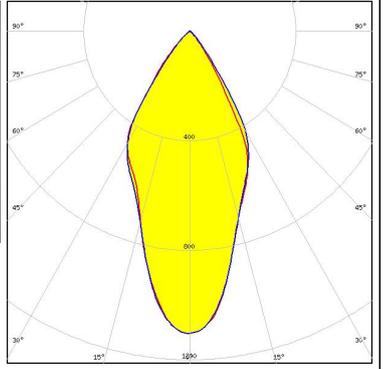
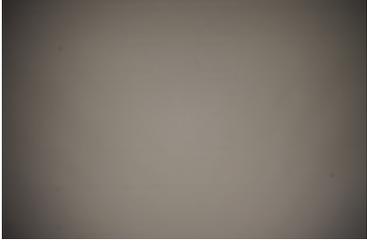
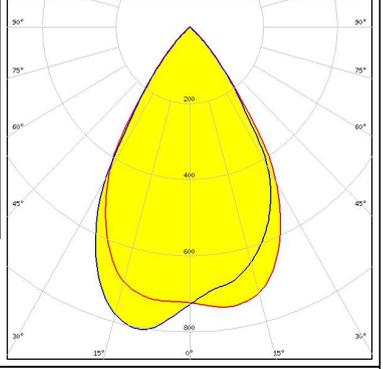
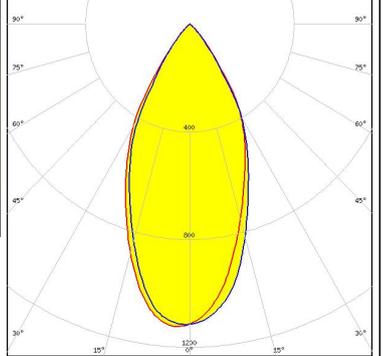
LED LUXEON Z ES
 FWHM / FWTM 33.0° / 75.0°
 Efficiency 80 %
 Peak intensity 1.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



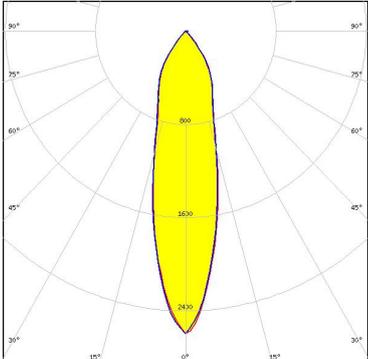
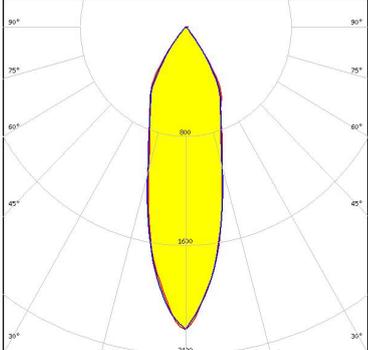
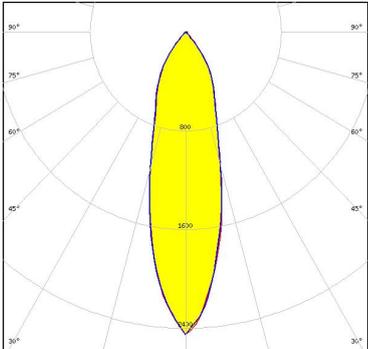
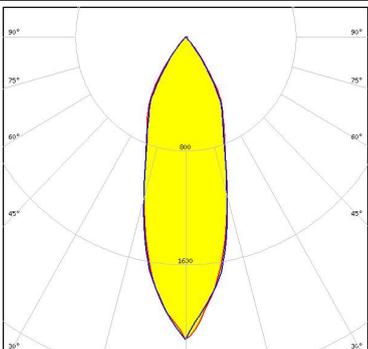
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 38.0° / 76.0° Efficiency 76 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 46.0° / 80.0° Efficiency 74 % Peak intensity 1.1 cd/lm 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 57.0° / 84.0° Efficiency 76 % Peak intensity 1 cd/lm 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 37.0° / 75.0° Efficiency 79 % Peak intensity 1.5 cd/lm 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 32.0° / 76.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.7 cd/m</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 47.0° / 80.0°</p> <p>Efficiency 75 %</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 64.0° / 87.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 0.8 cd/m</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 48.0° / 80.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 1.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

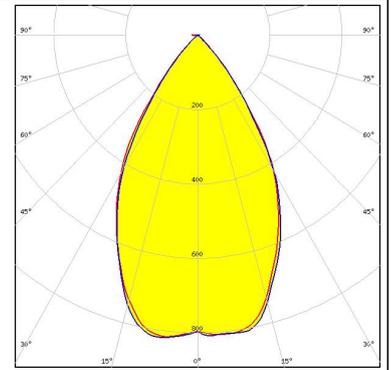
OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED: NCSxE17A FWHM / FWTM: 25.0° / 73.0° Efficiency: 94 % Peak intensity: 2.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NCSxE17A FWHM / FWTM: 29.0° / 73.0° Efficiency: 94 % Peak intensity: 2.2 cd/lm LEDs/each optic: 1 Light colour: White Required components: C14446_FLORENTINA-SHD</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 28.0° / 74.0° Efficiency: 94 % Peak intensity: 2.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 33.0° / 73.0° Efficiency: 94 % Peak intensity: 2.1 cd/lm LEDs/each optic: 1 Light colour: White Required components: C14446_FLORENTINA-SHD</p>	

OPTICAL RESULTS (SIMULATED):



LED	NWSx229A
FWHM / FWTM	60.0° / 85.0°
Efficiency	77 %
Peak intensity	0.8 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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