

FLORENTINA-HLD-SS

~16° smooth spot beam

SPECIFICATION:

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

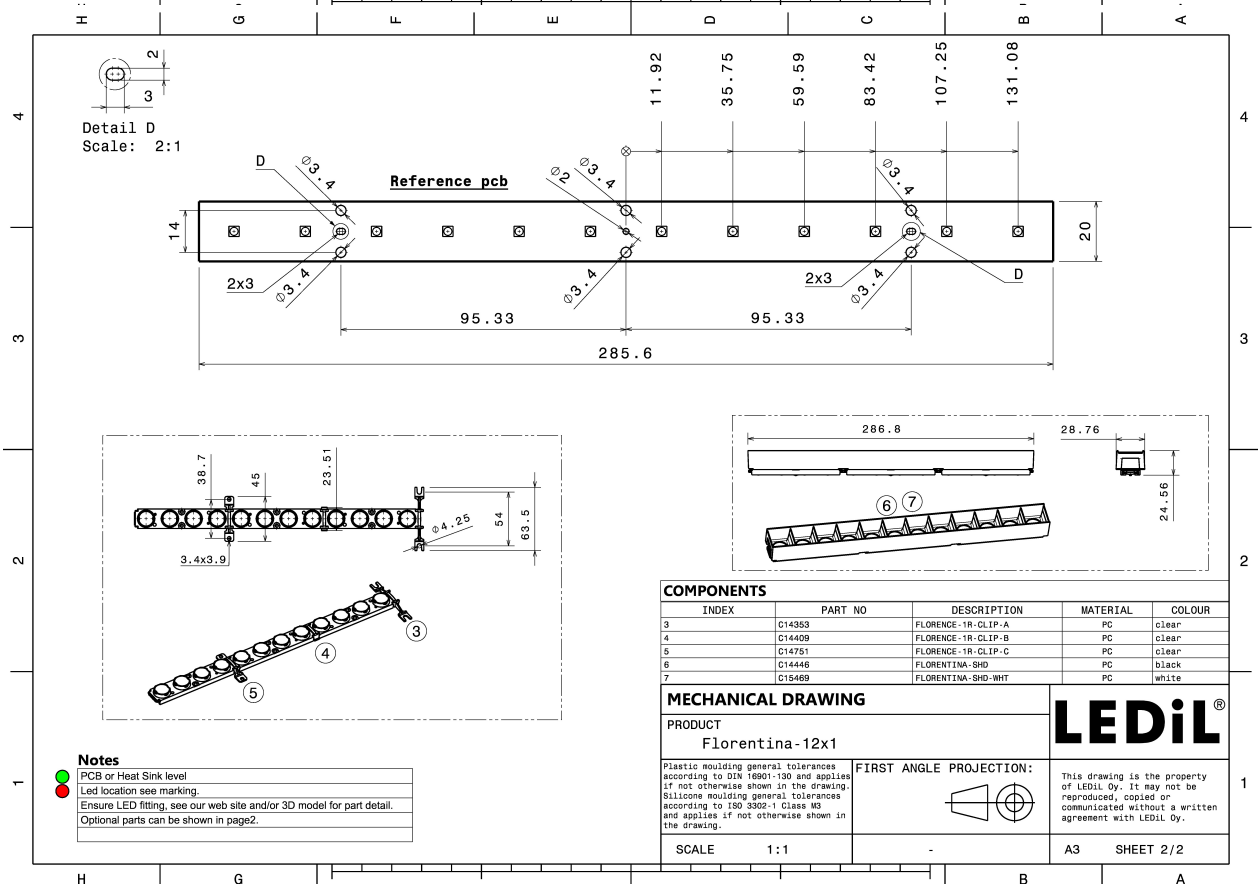
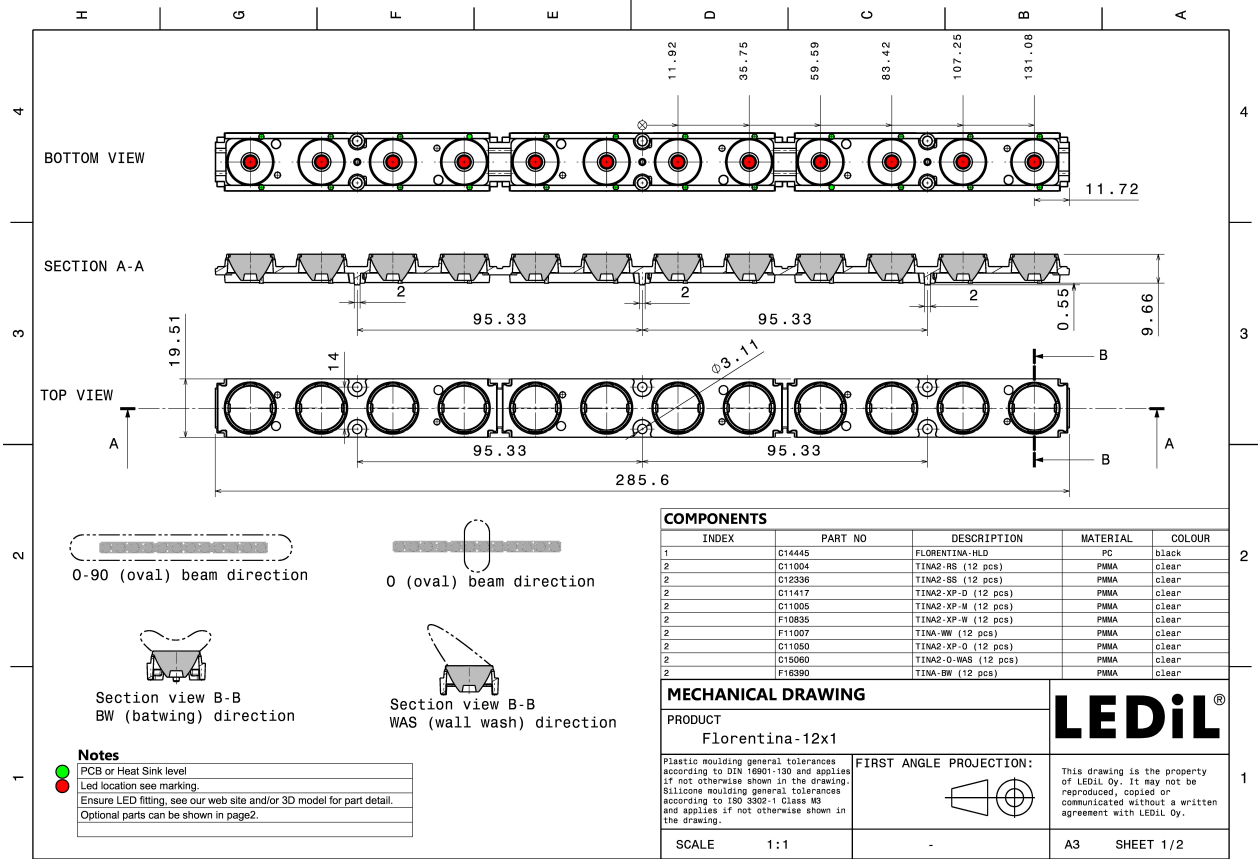
MATERIALS:

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

ORDERING INFORMATION:


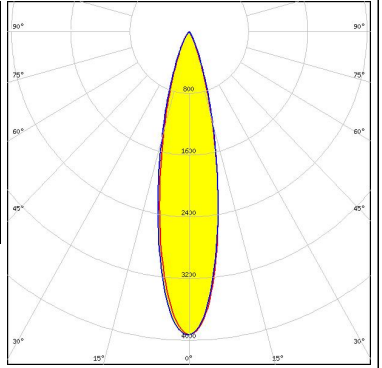

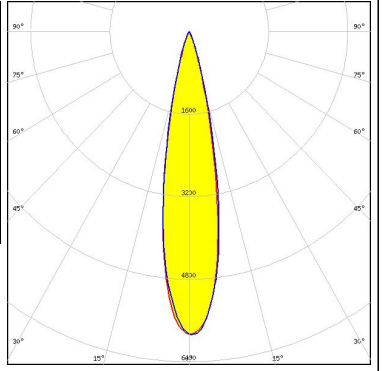
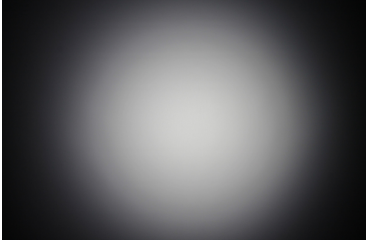
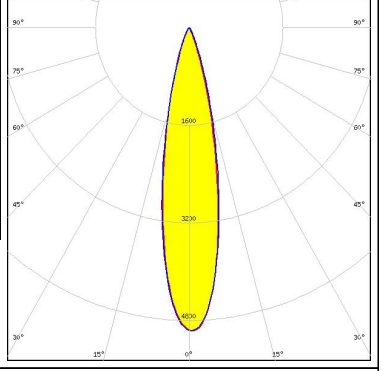

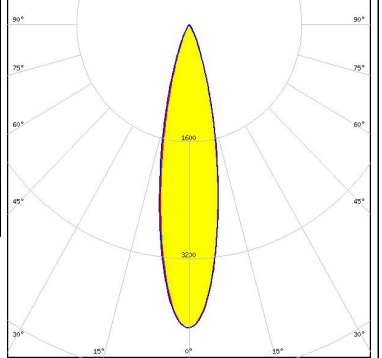
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP14993_FLORENTINA-HLD-SS	Single lens	160	32	16	3.3
» Box size: 398 x 298 x 140 mm					





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

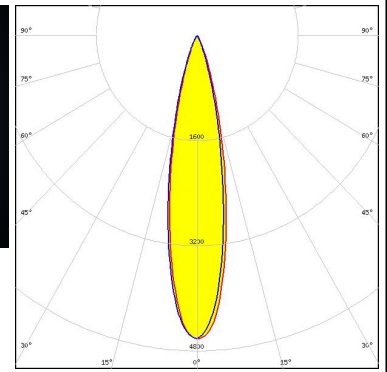
OPTICAL RESULTS (MEASURED):

<p>COMET ELECTRONICS</p> <p>LED QUICK FLUX LED FL-XG 1x12 xxx</p> <p>FWHM / FWTM 23.0° / 46.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 3.9 cd/m</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 21.0° / 36.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 5.9 cd/m</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 22.0° / 41.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 5 cd/m</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 23.0° / 45.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 4.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

OPTICAL RESULTS (MEASURED):

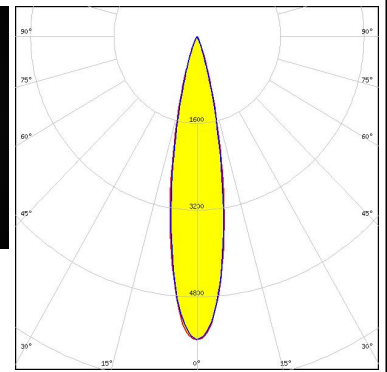
LUMILEDS

LED LUXEON Rebel ES
 FWHM / FWTM 22.0° / 42.0°
 Efficiency 83 %
 Peak intensity 4.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



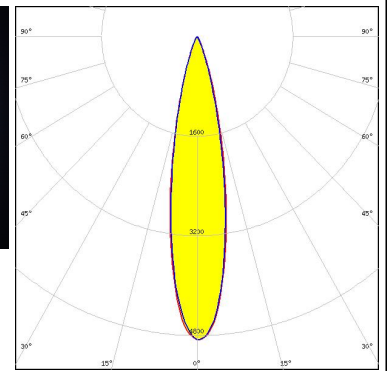
LUMILEDS

LED LUXEON Rebel Plus
 FWHM / FWTM 20.0° / 38.0°
 Efficiency 84 %
 Peak intensity 5.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



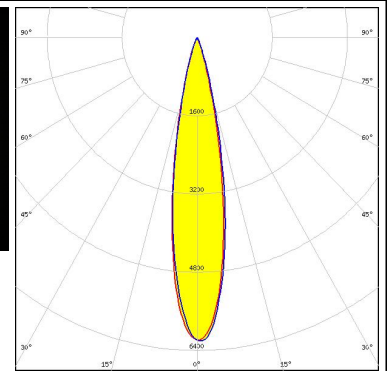
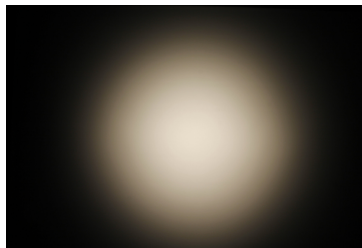
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 21.0° / 41.0°
 Efficiency 84 %
 Peak intensity 4.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD

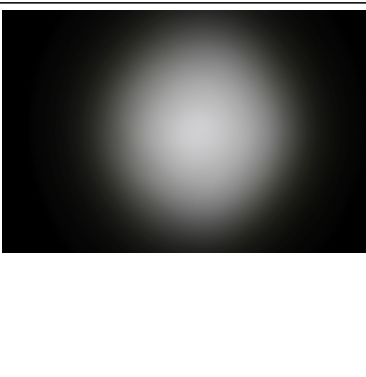
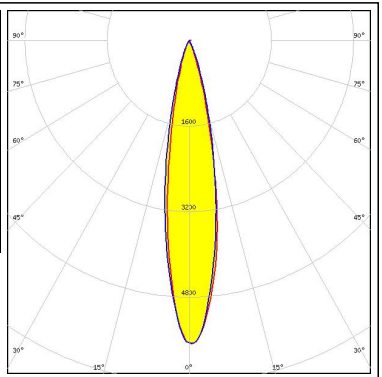

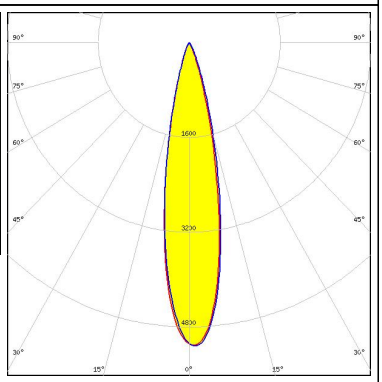

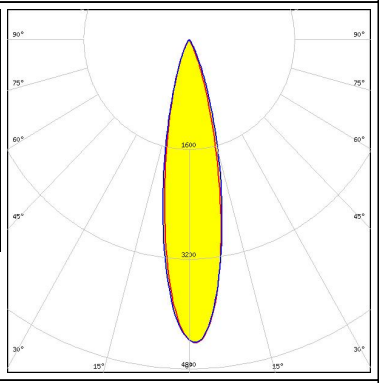

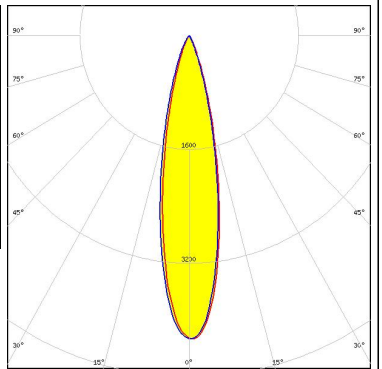


LUMILEDS


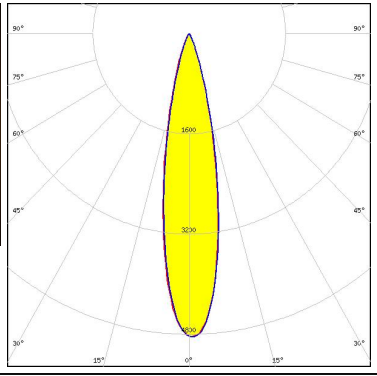

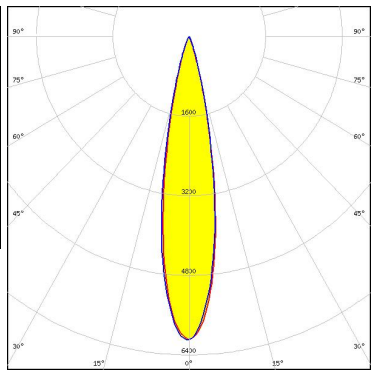

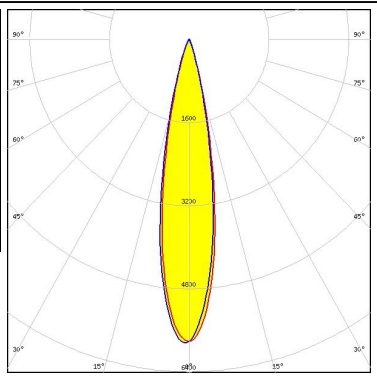

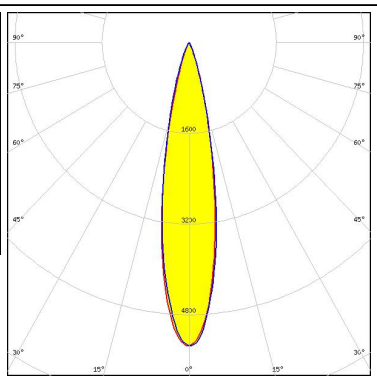
LED LUXEON Z ES
 FWHM / FWTM 20.0° / 36.0°
 Efficiency 85 %
 Peak intensity 6.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 20.0° / 38.0° Efficiency 82 % Peak intensity 5.7 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 21.0° / 39.0° Efficiency 84 % Peak intensity 5.1 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NF2x757G FWHM / FWTM 22.0° / 44.0° Efficiency 87 % Peak intensity 4.5 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 22.0° / 43.0° Efficiency 82 % Peak intensity 4.3 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		

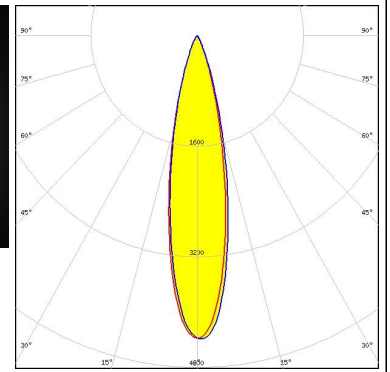
OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 21.0° / 40.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 4.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 20.0° / 35.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 6.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 20.0° / 36.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 5.8 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 20.0° / 38.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 5.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

OPTICAL RESULTS (MEASURED):

SAMSUNG

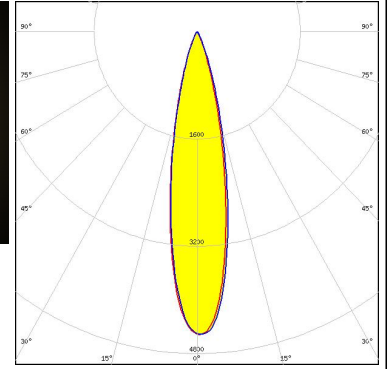
LED LH351B
FWHM / FWTM 22.0° / 43.0°
Efficiency 84 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14446_FLORENTINA-SHD



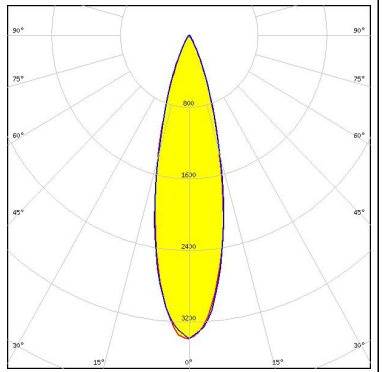
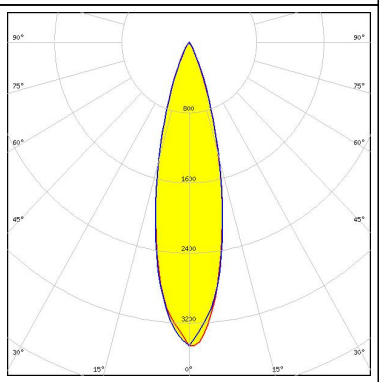

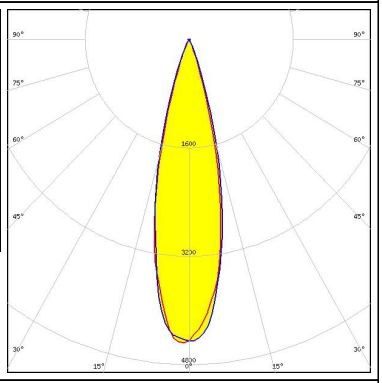

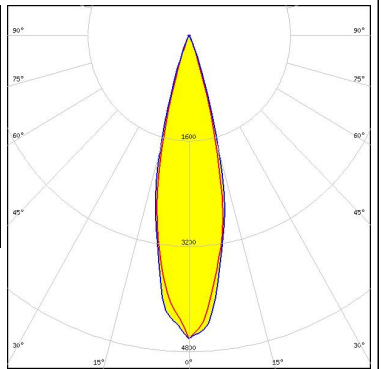
TOSHIBA

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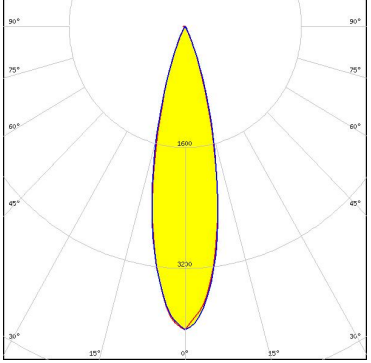

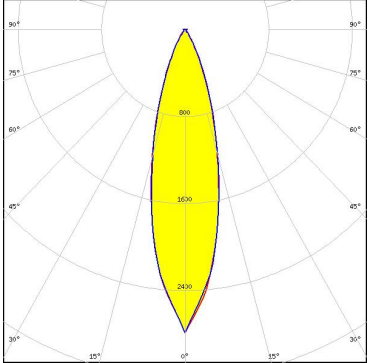
LED TL1L4
FWHM / FWTM 22.0° / 42.0°
Efficiency 81 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14446_FLORENTINA-SHD



OPTICAL RESULTS (SIMULATED):

<p>CREE LEDs</p> <p>LED J Series 3030 FWHM / FWTM 26.0° / 50.0° Efficiency 89 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED J Series 3030 FWHM / FWTM 26.0° / 48.0° Efficiency 84 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>CREE LEDs</p> <p>LED XQ-E HD FWHM / FWTM 25.0° / 41.0° Efficiency 89 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>CREE LEDs</p> <p>LED XQ-E HI FWHM / FWTM 26.0° / 40.0° Efficiency 89 % Peak intensity 4.7 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		

OPTICAL RESULTS (SIMULATED):

 LED NVSxE21A FWHM / FWTM 25.0° / 45.0° Efficiency 86 % Peak intensity 4.9 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD	
 LED NWSx229A FWHM / FWTM 27.0° / 54.0° Efficiency 84 % Peak intensity 2.8 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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