

FLORENTINA-HLD-W

~40° wide beam

SPECIFICATION:

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

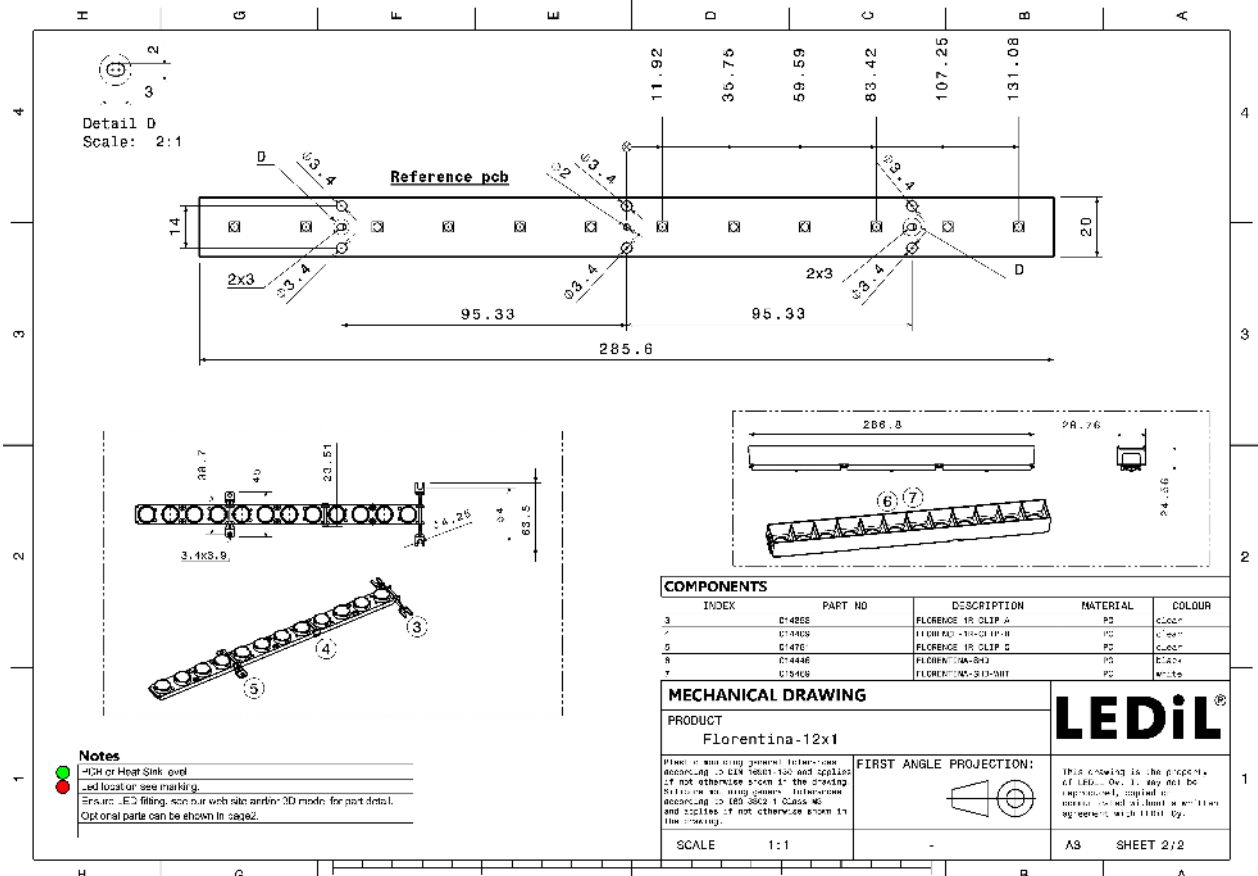
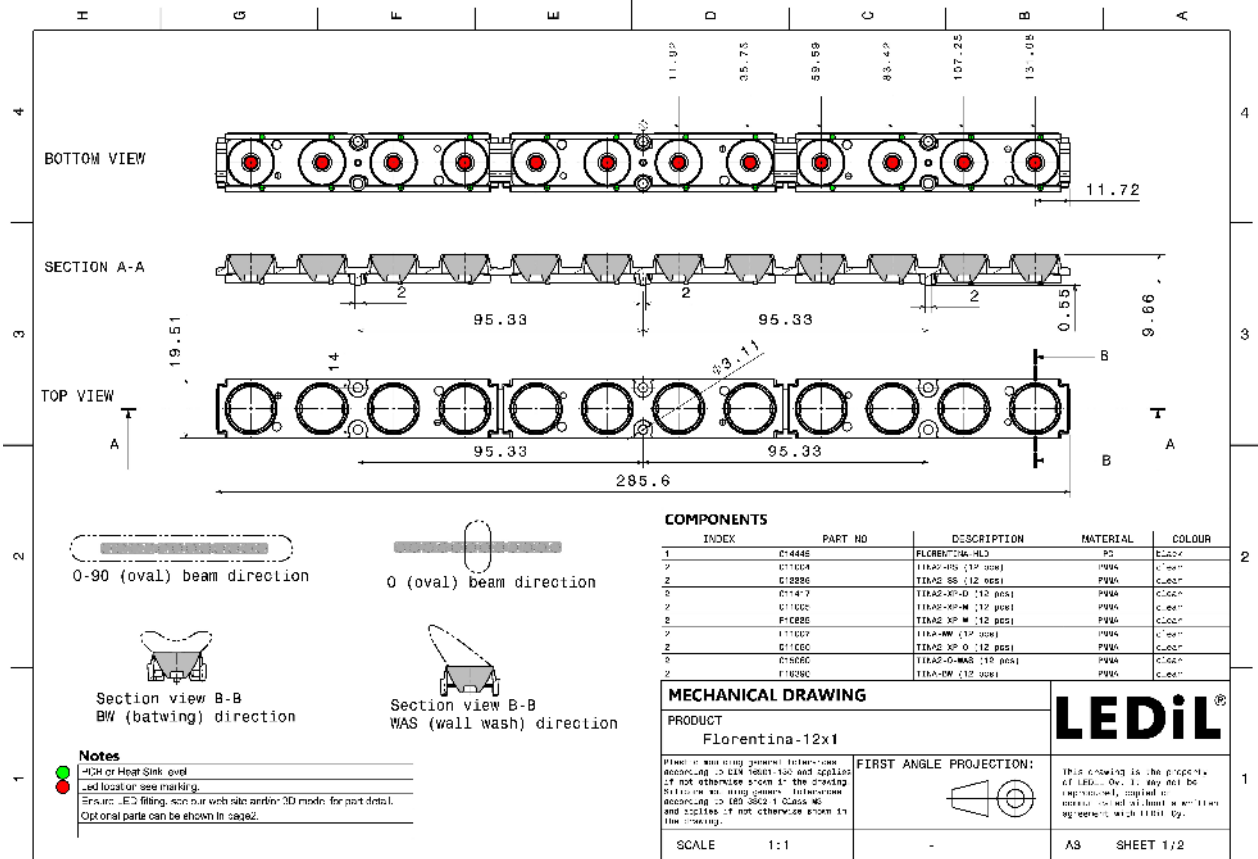
MATERIALS:

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

ORDERING INFORMATION:


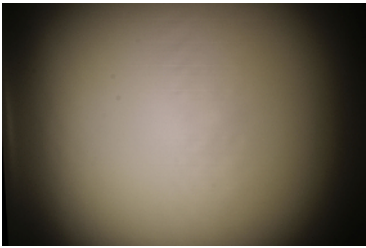
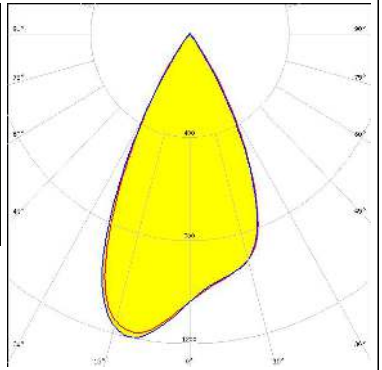

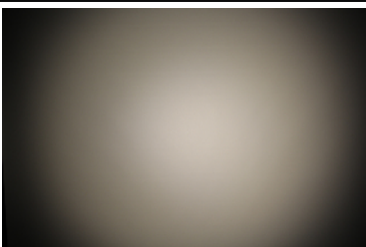
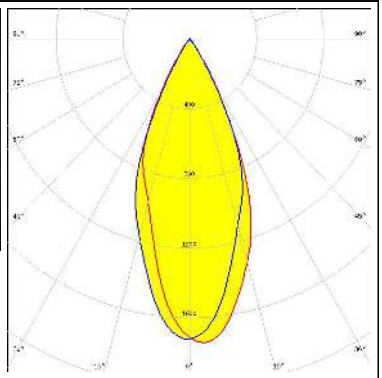

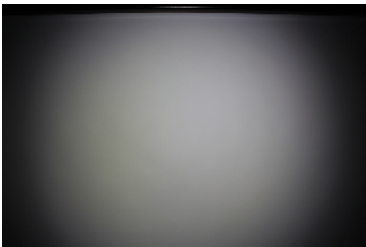
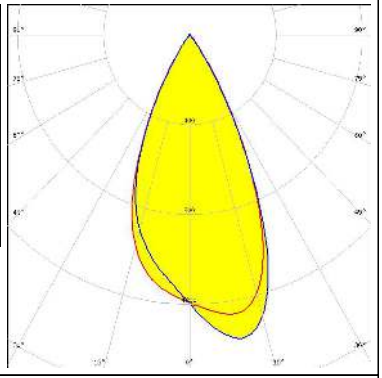

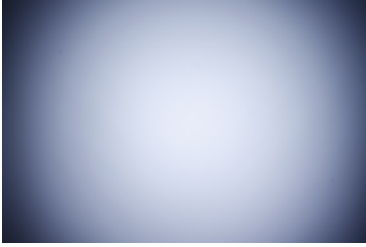
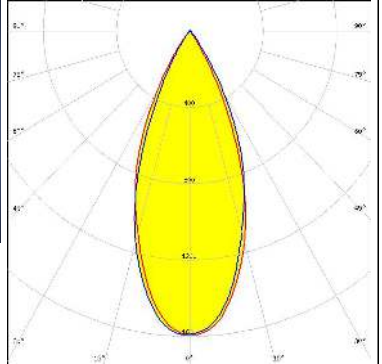
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP14997_FLORENTINA-HLD-W	Single lens	160	32	16	5.2
» Box size: 398 x 298 x 140 mm					





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

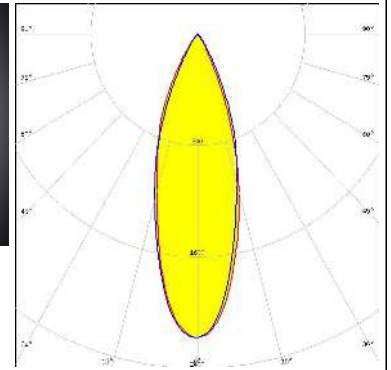
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED QUICK FLUX LED FL-XG 1x12 xxx</p> <p>FWHM / FWTM 51.0° / 69.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 1.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p></p> <p>LED XP-E2</p> <p>FWHM / FWTM 42.0° / 66.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p></p> <p>LED XP-G3</p> <p>FWHM / FWTM 47.0° / 67.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 1.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p></p> <p>LED LUXEON Rebel ES</p> <p>FWHM / FWTM 43.0° / 67.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

OPTICAL RESULTS (MEASURED):

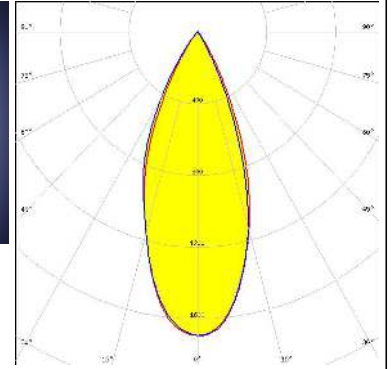
LUMILEDS

LED LUXEON Rebel Plus
 FWHM / FWTM 33.0° / 61.0°
 Efficiency 83 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



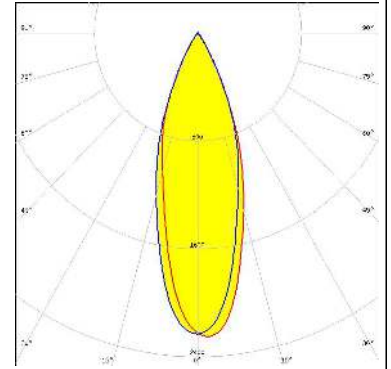
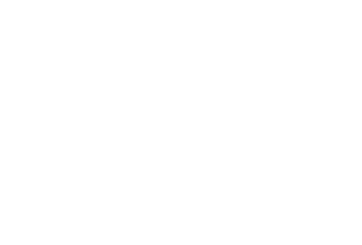
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 41.0° / 66.0°
 Efficiency 82 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



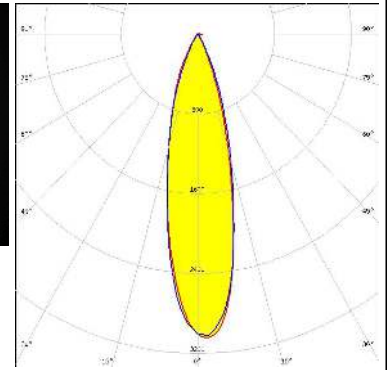
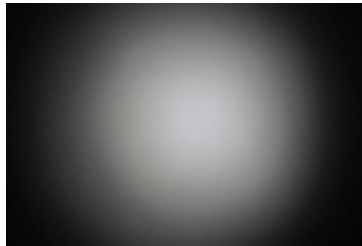
LUMILEDS

LED LUXEON Z ES
 FWHM / FWTM 33.0° / 60.0°
 Efficiency 84 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD


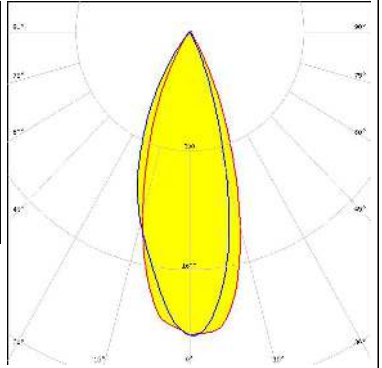

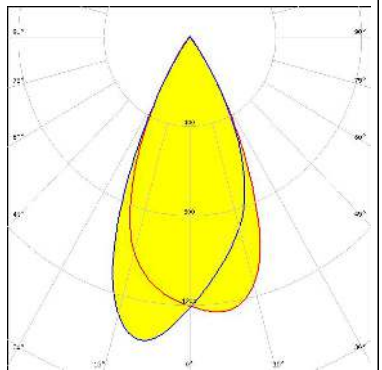

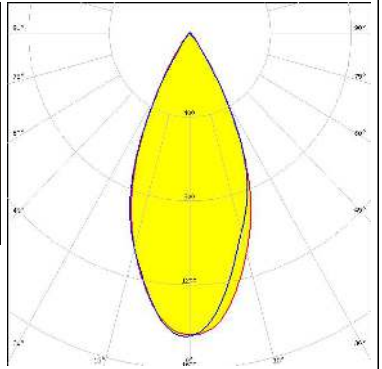
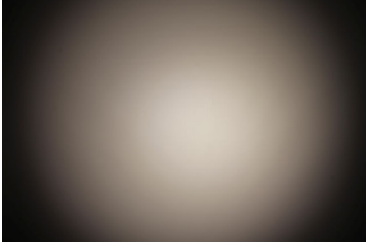
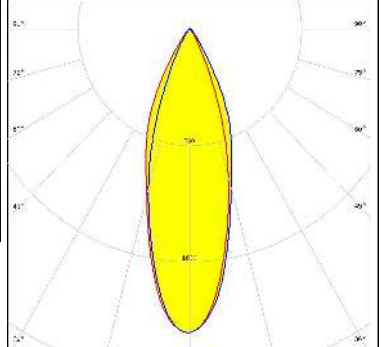


NICHIA

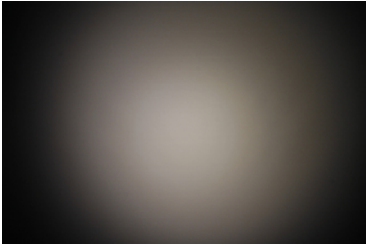
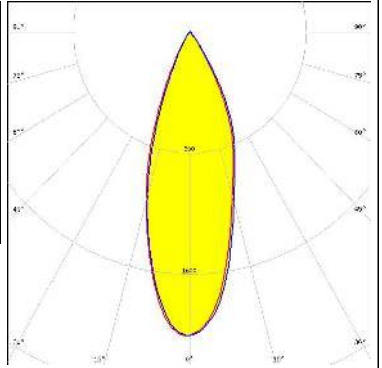
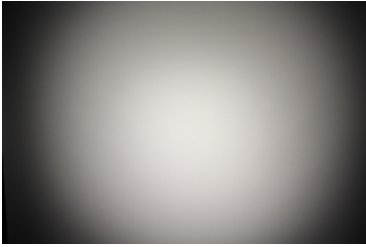
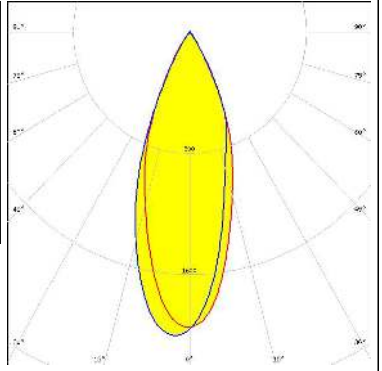
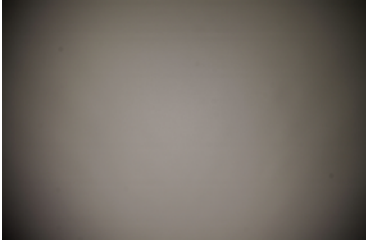
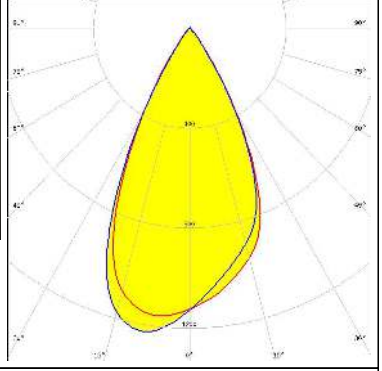

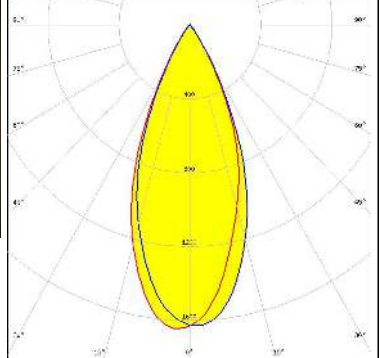
LED NCSxE17A
 FWHM / FWTM 26.0° / 52.0°
 Efficiency 81 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



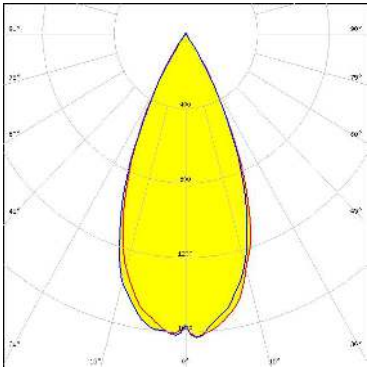
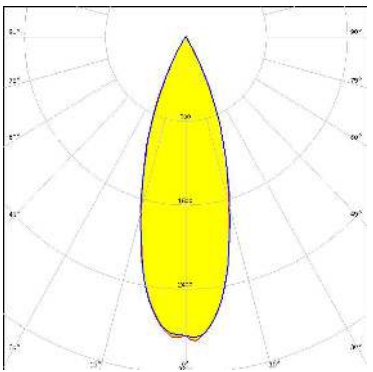
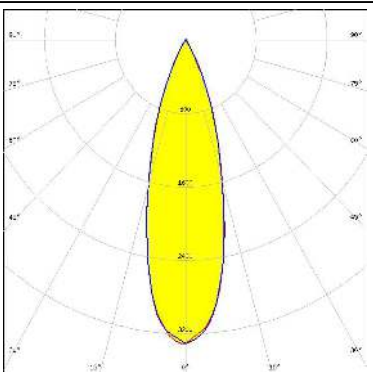
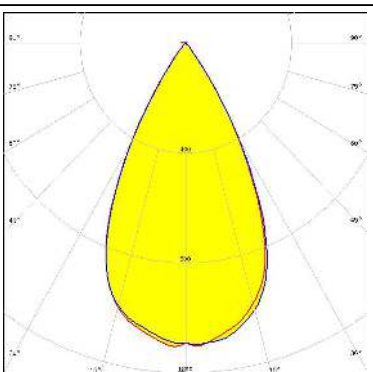
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NF2x757G FWHM / FWTM 36.0° / 60.0° Efficiency 84 % Peak intensity 2 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 48.0° / 69.0° Efficiency 79 % Peak intensity 1.4 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 46.0° / 69.0° Efficiency 80 % Peak intensity 1.5 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 33.0° / 62.0° Efficiency 85 % Peak intensity 2.1 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM SSL 150</p> <p>FWHM / FWTM 34.0° / 62.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2 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 OSLOM SSL 80</p> <p>FWHM / FWTM 35.0° / 63.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2 cd/m</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 52.0° / 72.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.3 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 42.0° / 66.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.7 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>CREE → LED</p> <p>LED: XP-G2 HE FWHM / FWTM: 46.0° / 66.0° Efficiency: 90 % Peak intensity: 1.6 cd/lm LEDs/each optic: 1 Light colour: White Required components: C14446_FLORENTINA-SHD</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 34.0° / 57.0° Efficiency: 94 % Peak intensity: 2.9 cd/lm LEDs/each optic: 1 Light colour: White Required components: C14446_FLORENTINA-SHD</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 30.0° / 54.0° Efficiency: 94 % Peak intensity: 3.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NWSx229A FWHM / FWTM: 53.0° / 73.0° Efficiency: 82 % LEDs/each optic: 1 Light colour: White Required components: C14446_FLORENTINA-SHD</p>	

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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