

FLORENTINA-HLD-WW

~45° wide beam

TECHNICAL SPECIFICATIONS:

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

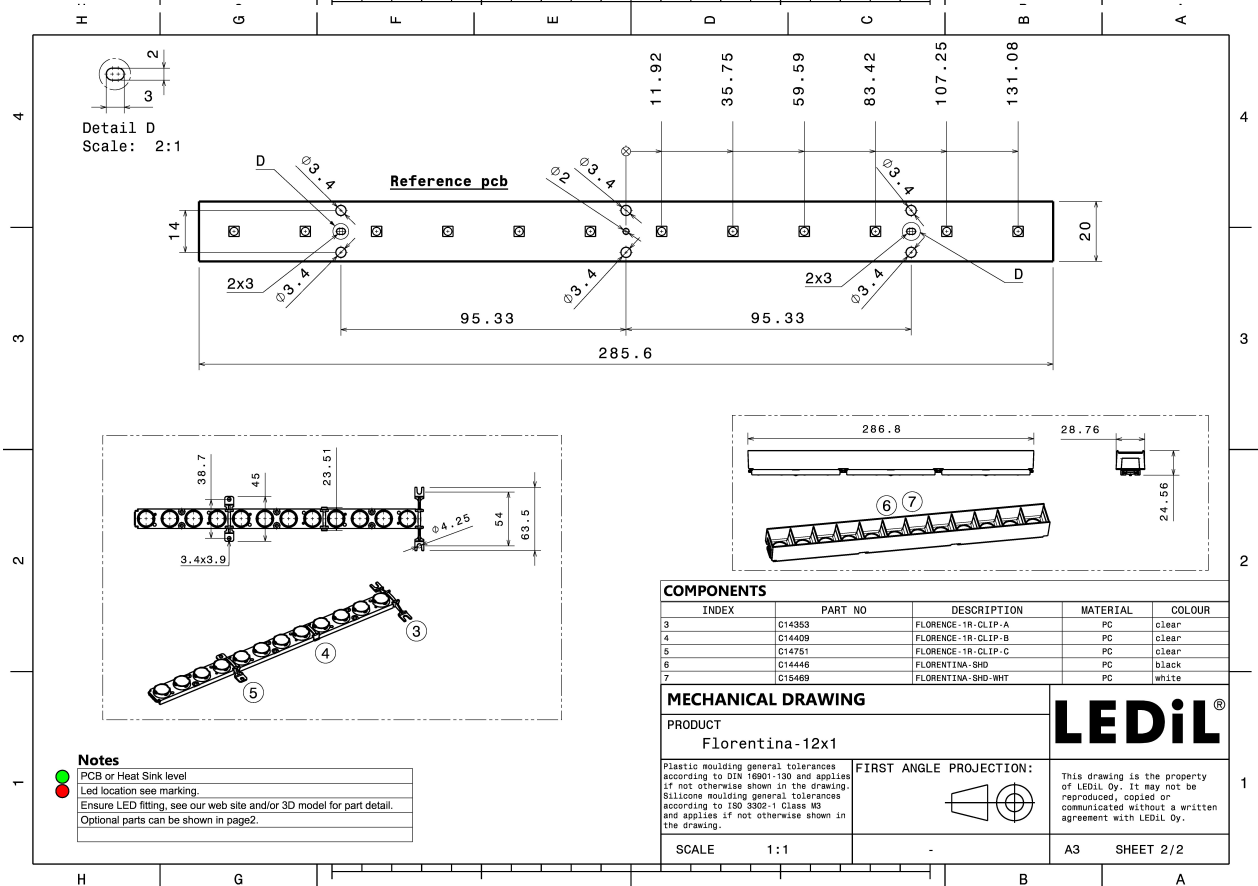
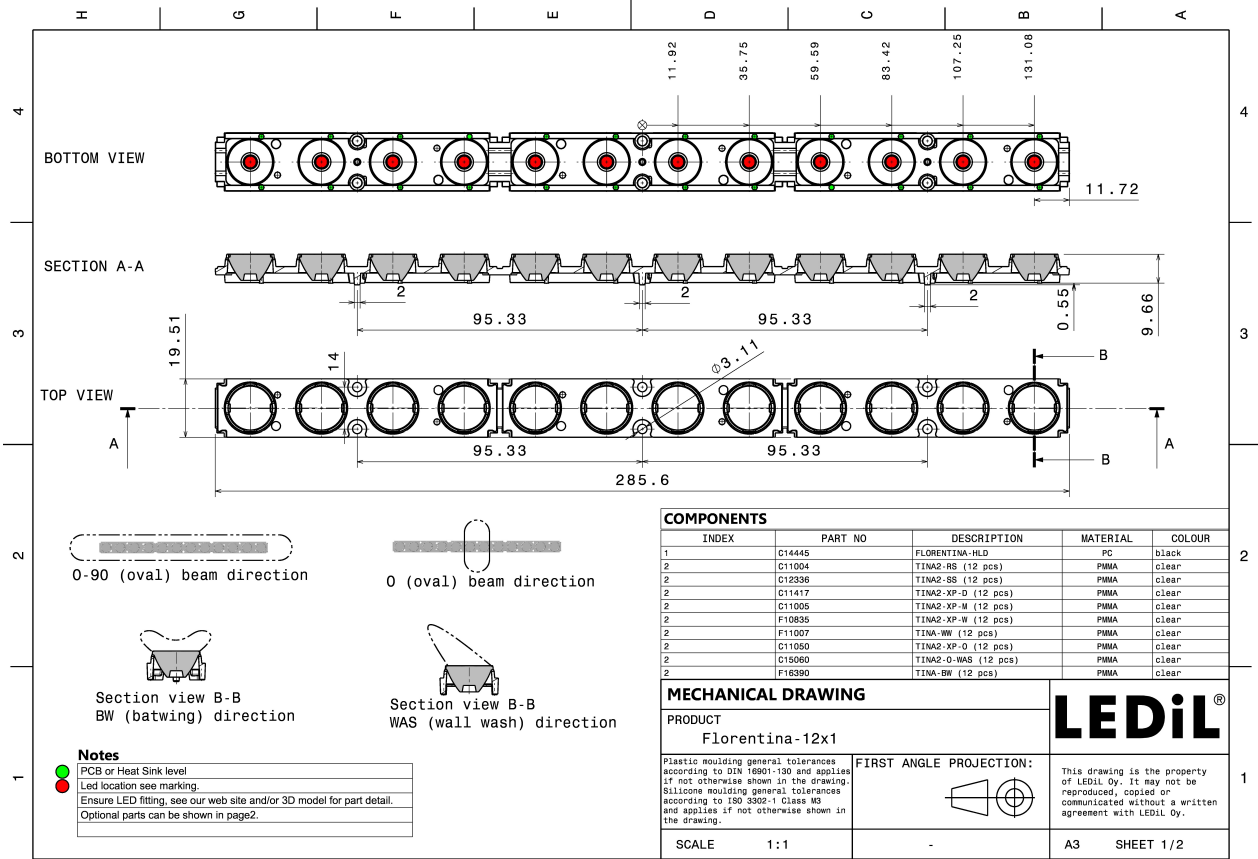
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

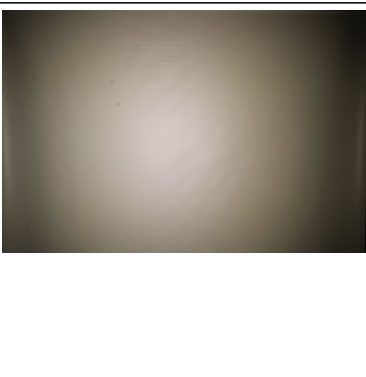
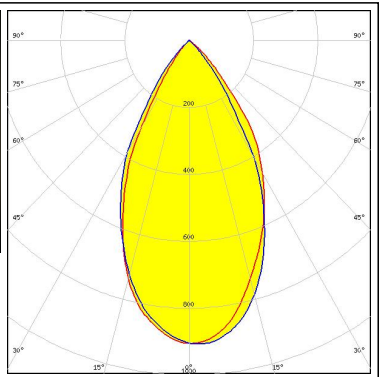
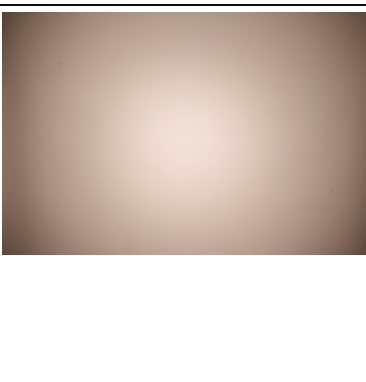
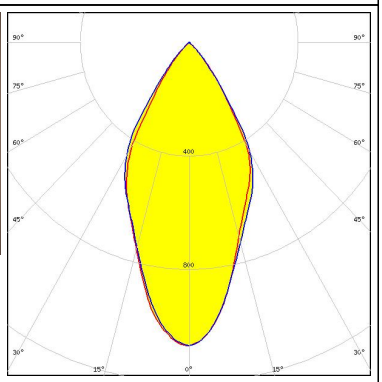

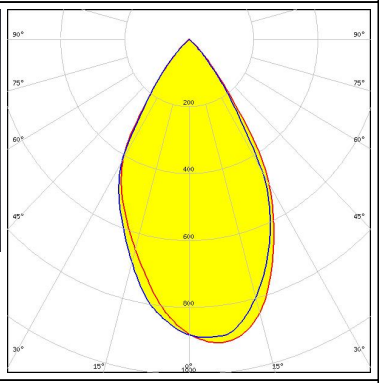

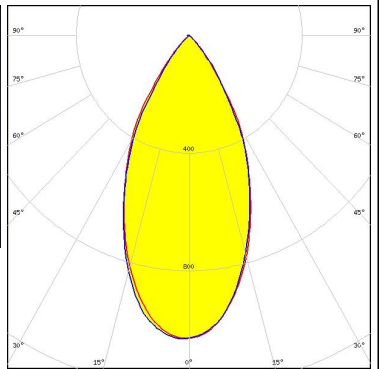
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FP14998_FLORENTINA-HLD-WW » Box size: 398 x 298 x 140 mm	Single lens	160	32	16	5.2





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

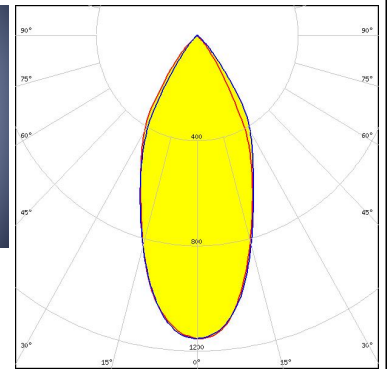
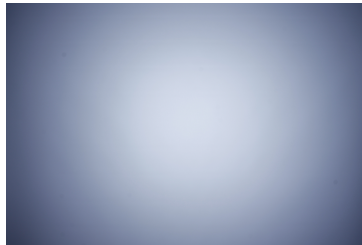
PHOTOMETRIC DATA (MEASURED):

<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/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 52.0° / 82.0°</p> <p>Efficiency 77 %</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>		
<p>CREE LED</p> <p>LED XP-G2</p> <p>FWHM / FWTM 59.0° / 86.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 0.9 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 50.0° / 81.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

PHOTOMETRIC DATA (MEASURED):

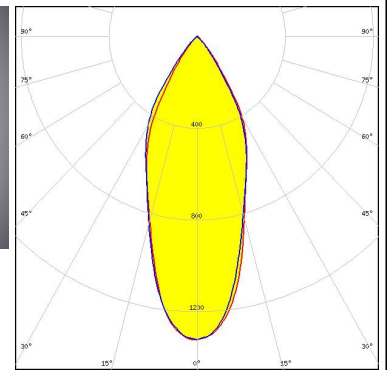
LUMILEDS

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



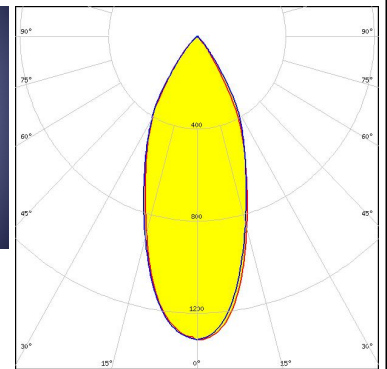
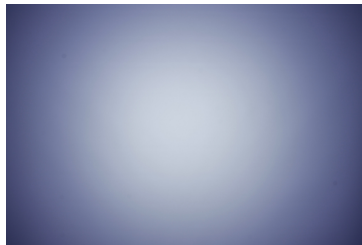
LUMILEDS

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



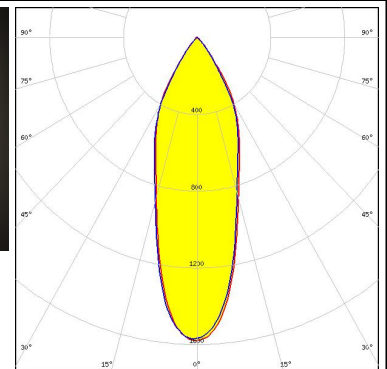
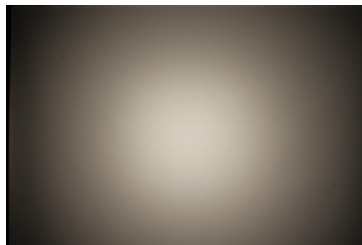
LUMILEDS

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


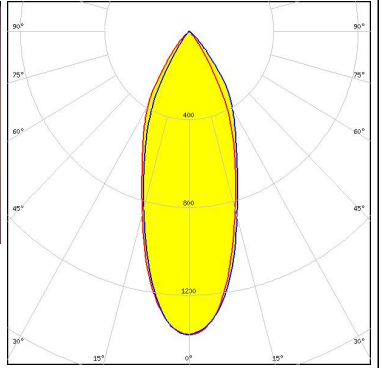
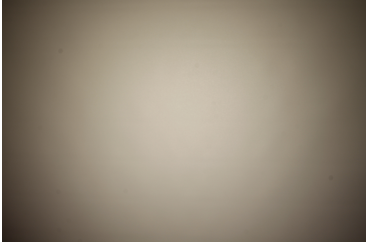
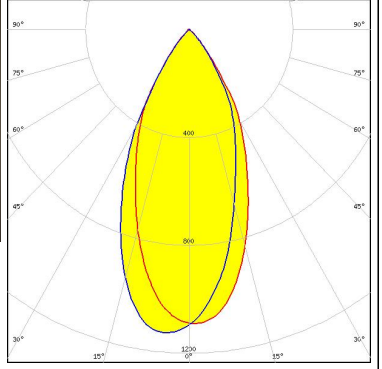
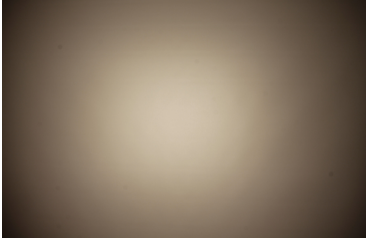
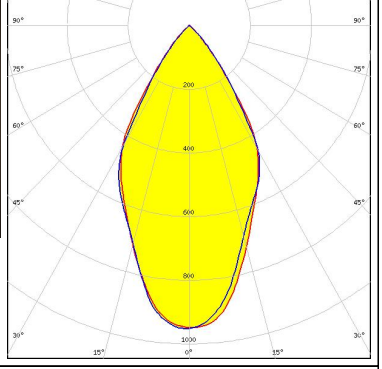
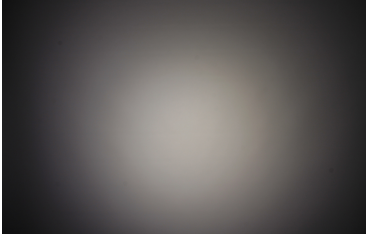
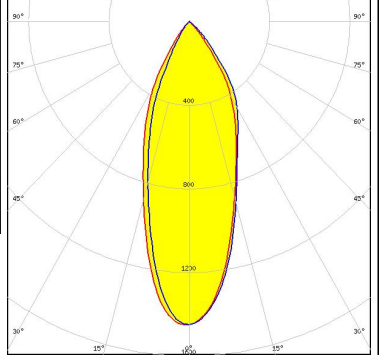


LUMILEDS

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



PHOTOMETRIC DATA (MEASURED):

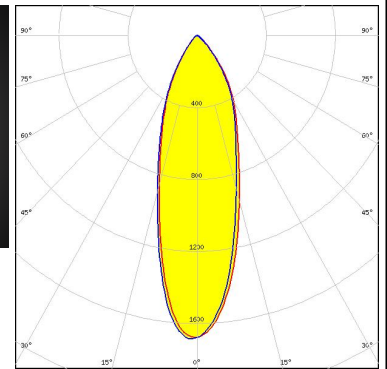
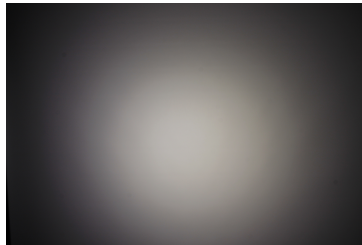
<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 38.0° / 76.0° Efficiency 76 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 46.0° / 80.0° Efficiency 74 % Peak intensity 1.1 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM 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 OSLOM 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>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

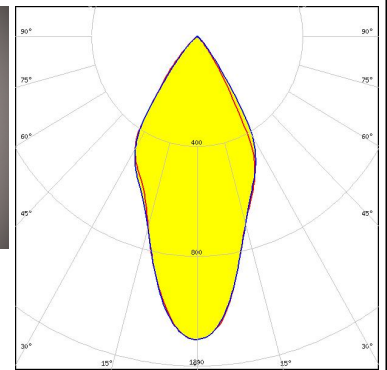
LED OSLON SSL 150
 FWHM / FWTM 32.0° / 76.0°
 Efficiency 85 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

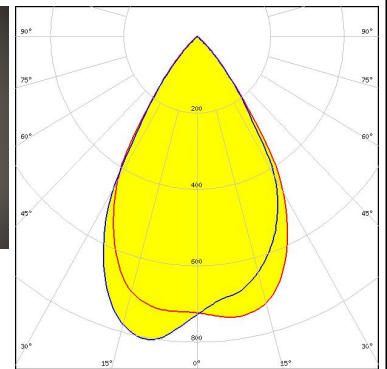
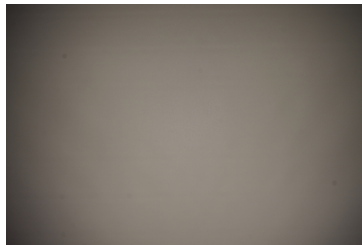
Opto Semiconductors

LED OSLON SSL 80
 FWHM / FWTM 47.0° / 80.0°
 Efficiency 75 %
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



SAMSUNG

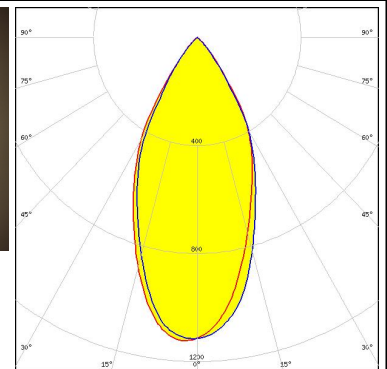
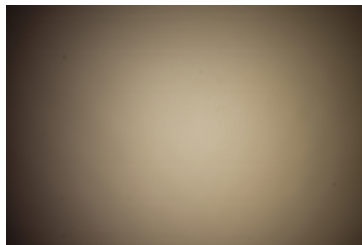
LED LH351B
 FWHM / FWTM 64.0° / 87.0°
 Efficiency 77 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



TOSHIBA

Leading Innovation >>>

LED TL1L4
 FWHM / FWTM 48.0° / 80.0°
 Efficiency 78 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C14446_FLORENTINA-SHD



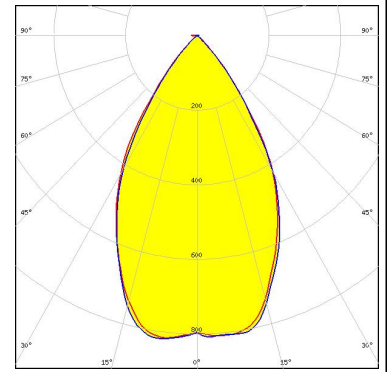
PHOTOMETRIC DATA (SIMULATED):

<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: 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: 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>	
<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>	

PHOTOMETRIC DATA (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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