

FLORENTINA-HLD-M

~30° medium beam

SPECIFICATION:

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

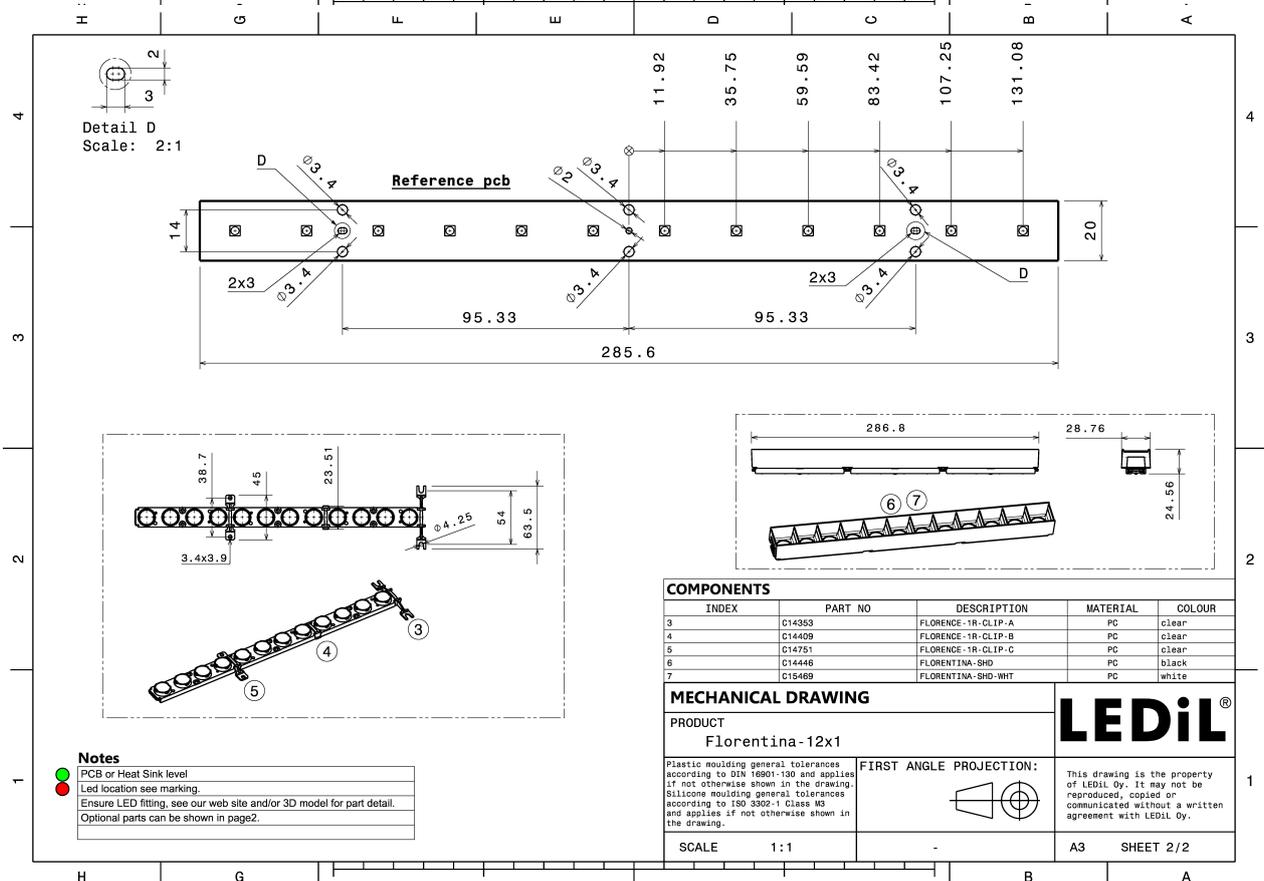
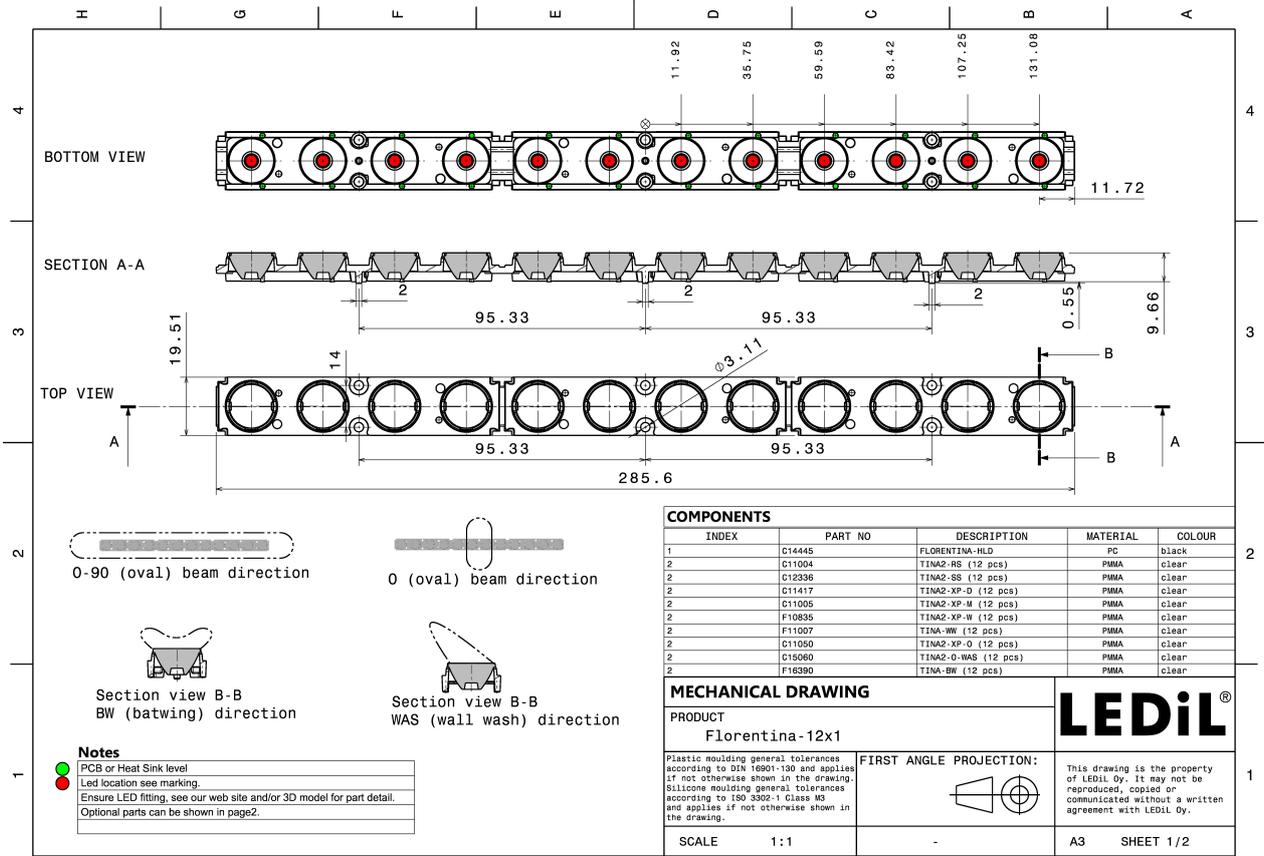
MATERIALS:

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

ORDERING INFORMATION:

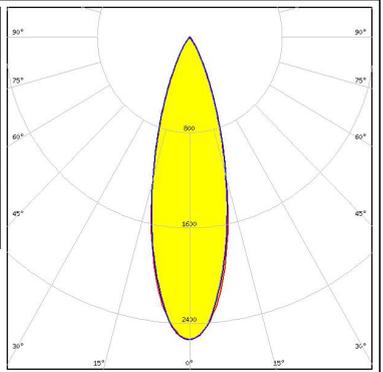
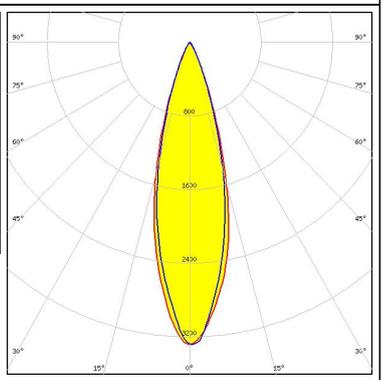
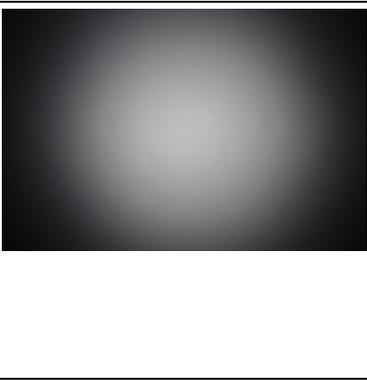
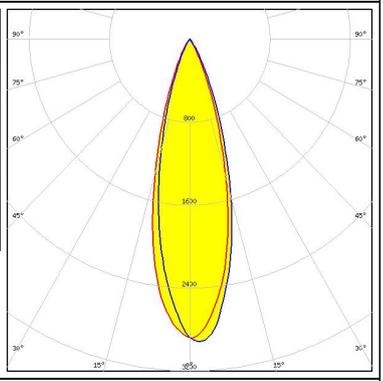
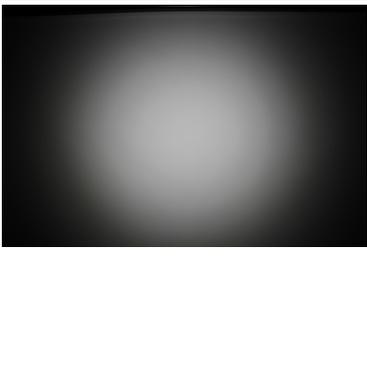
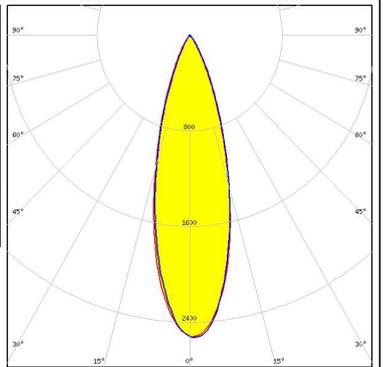
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP14994_FLORENTINA-HLD-M » Box size: 398 x 298 x 140 mm	Single lens	160	32	16	5.2



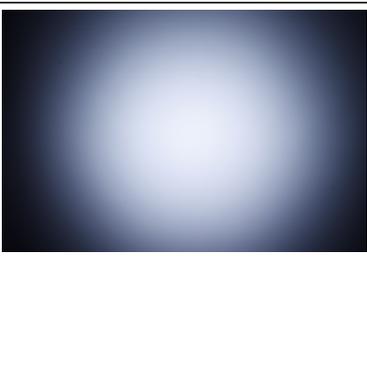
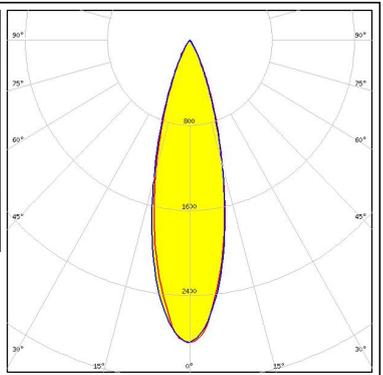
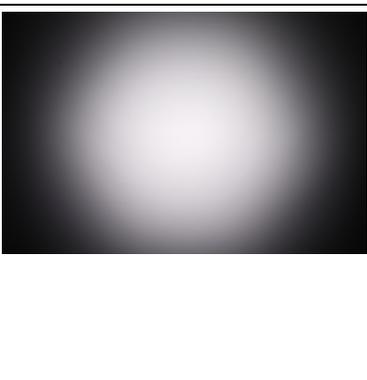
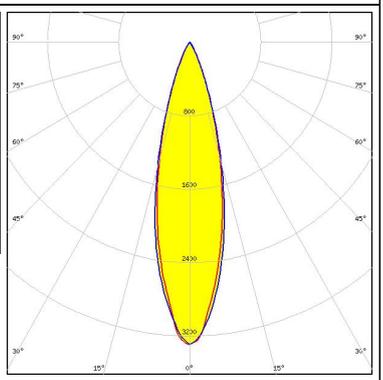
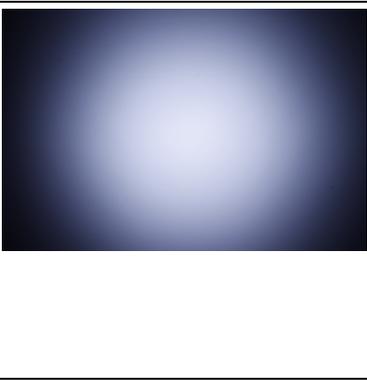
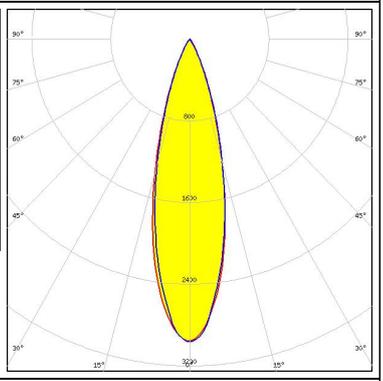
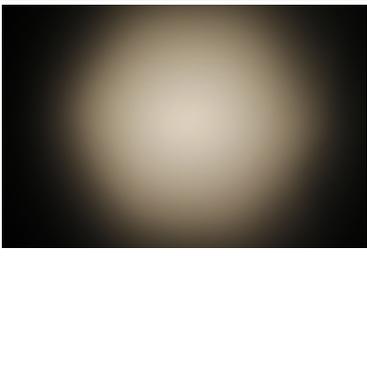
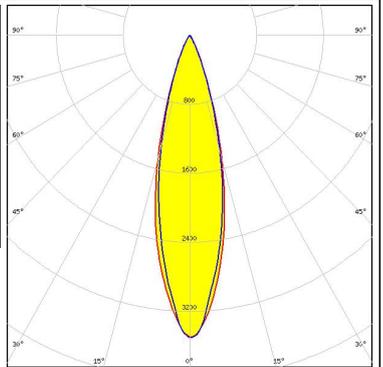


See also our general installation guide: www.ledil.com/installation_guide

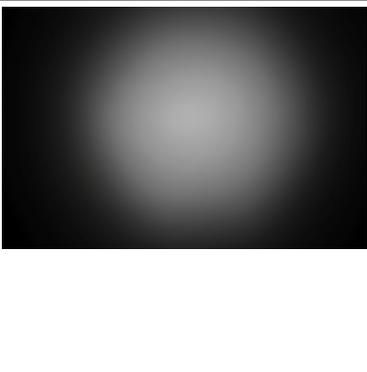
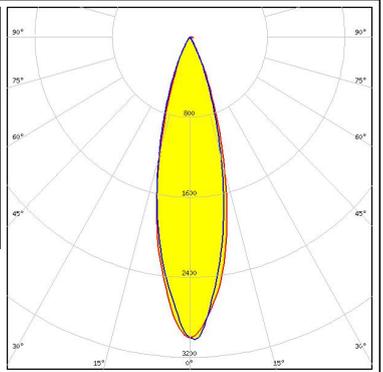
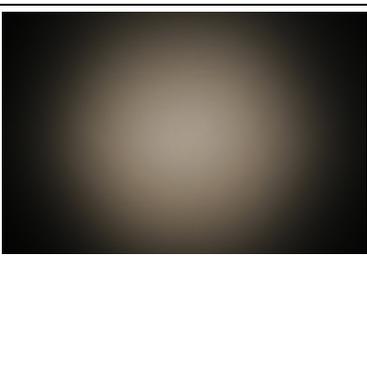
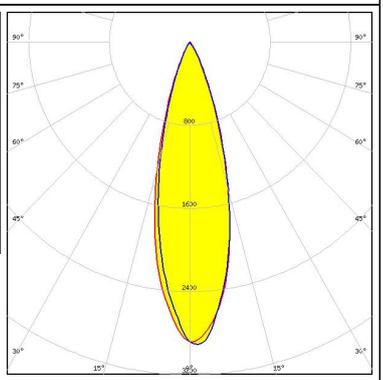
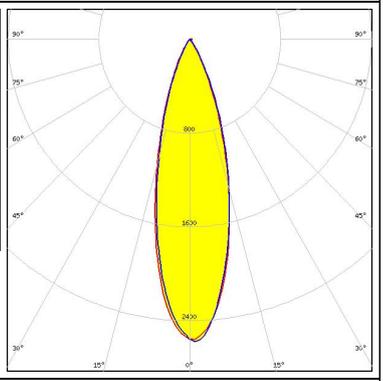
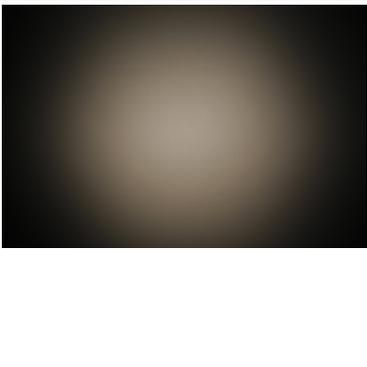
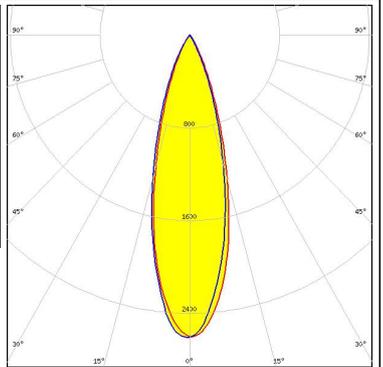
OPTICAL RESULTS (MEASURED):

<p>COMET ELECTRONICS</p> <p>LED QUICK FLUX LED FL-XG 1x12 xxx</p> <p>FWHM / FWTM 29.0° / 55.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 2.5 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 29.0° / 49.0°</p> <p>Efficiency 81 %</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-G2</p> <p>FWHM / FWTM 29.0° / 52.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.9 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 29.0° / 55.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 2.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

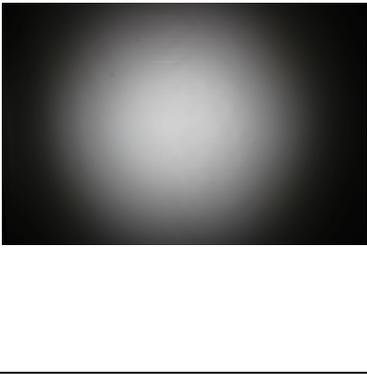
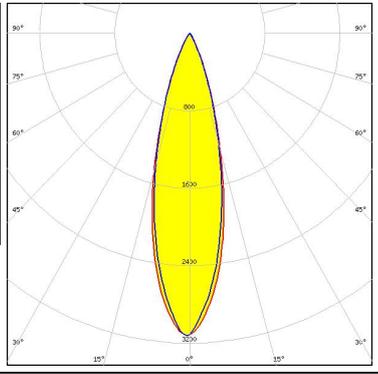
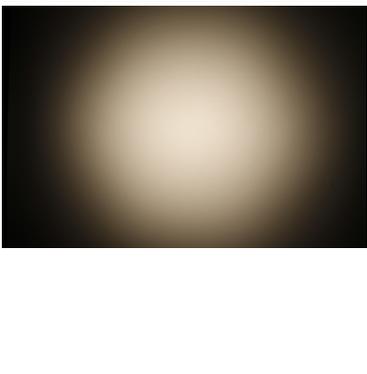
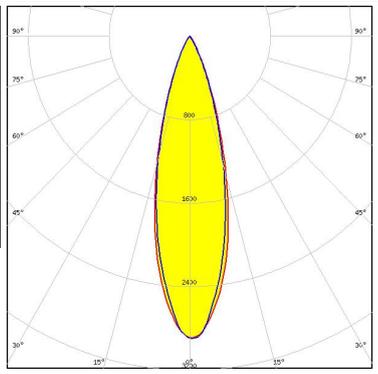
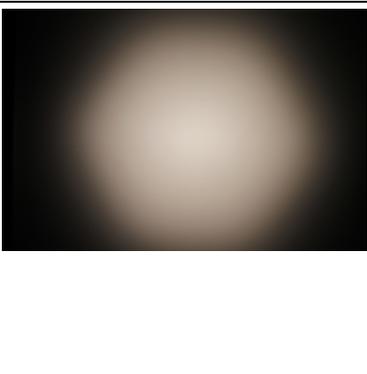
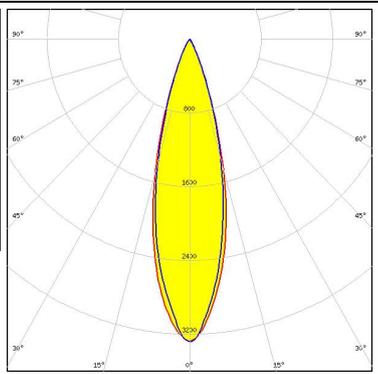
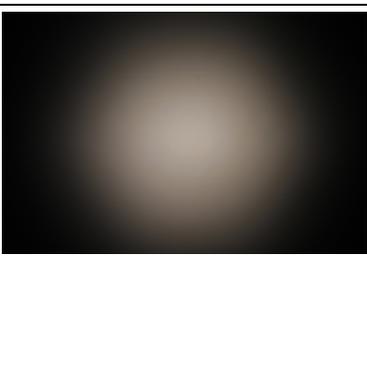
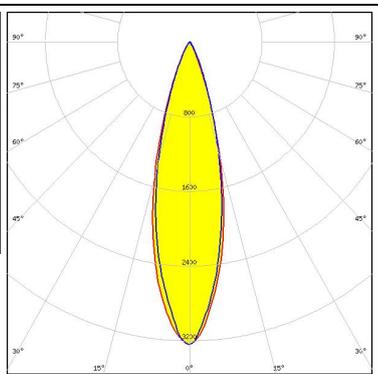
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON Rebel ES</p> <p>FWHM / FWTM 28.0° / 52.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 2.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>LUMILEDS</p> <p>LED LUXEON Rebel Plus</p> <p>FWHM / FWTM 26.0° / 49.0°</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>LUMILEDS</p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 28.0° / 51.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 26.0° / 48.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 3.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 27.0° / 50.0° Efficiency 77 % Peak intensity 3 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NCSxx19B FWHM / FWTM 28.0° / 51.0° Efficiency 79 % Peak intensity 2.9 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NF2x757G FWHM / FWTM 29.0° / 54.0° Efficiency 77 % Peak intensity 2.6 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 29.0° / 54.0° Efficiency 77 % Peak intensity 2.6 cd/m LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>		

OPTICAL RESULTS (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (Single chip)</p> <p>FWHM / FWTM 27.0° / 50.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 3.1 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 OSLOM Square EC</p> <p>FWHM / FWTM 28.0° / 51.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 2.9 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 OSLOM SSL 150</p> <p>FWHM / FWTM 28.0° / 48.0°</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>OSRAM Opto Semiconductors</p> <p>LED OSLOM SSL 150</p> <p>FWHM / FWTM 27.0° / 49.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 3.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

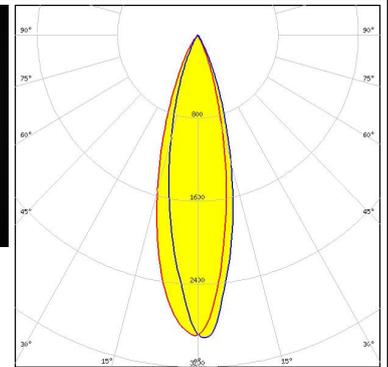
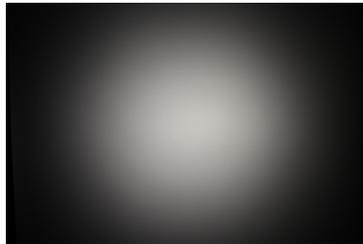
OSRAM

Opto Semiconductors

LED OSLON SSL 80
 FWHM / FWTM 26.0° / 51.0°
 Efficiency 76 %
 Peak intensity 2.9 cd/m
 LEDs/each optic 1
 Light colour White

Required components:

C14446_FLORENTINA-SHD

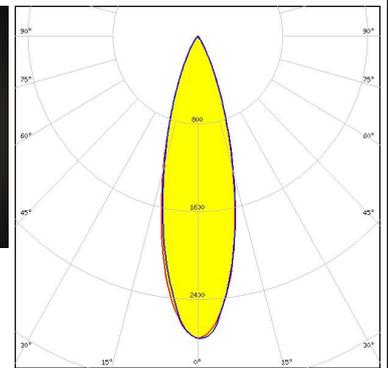


SAMSUNG

LED LH351B
 FWHM / FWTM 28.0° / 53.0°
 Efficiency 79 %
 Peak intensity 2.8 cd/m
 LEDs/each optic 1
 Light colour White

Required components:

C14446_FLORENTINA-SHD



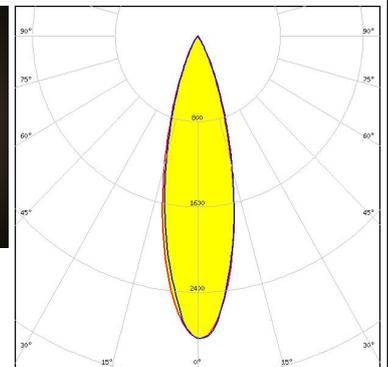
TOSHIBA

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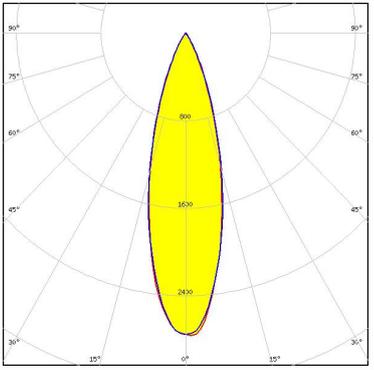
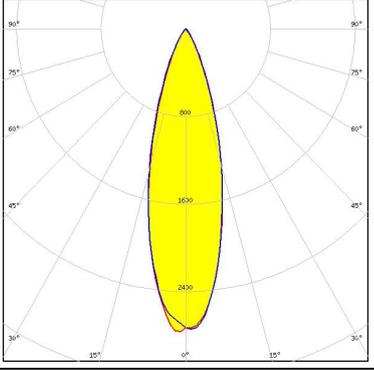
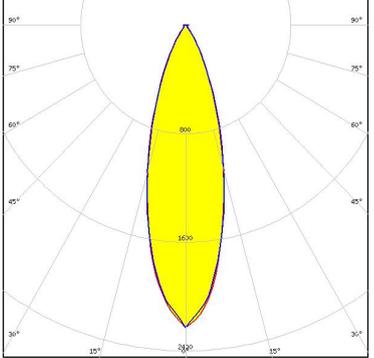
LED TL1L4
 FWHM / FWTM 27.0° / 52.0°
 Efficiency 76 %
 Peak intensity 2.8 cd/m
 LEDs/each optic 1
 Light colour White

Required components:

C14446_FLORENTINA-SHD



OPTICAL RESULTS (SIMULATED):

<p>CREE LED</p> <p>LED J Series 3030 FWHM / FWTM 28.0° / 54.0° Efficiency 81 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components: C14446_FLORENTINA-SHD</p>	
<p>CREE LED</p> <p>LED J Series 3030 FWHM / FWTM 29.0° / 56.0° Efficiency 87 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NWSx229A FWHM / FWTM 30.0° / 60.0° Efficiency 82 % Peak intensity 2.3 cd/lm 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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