

## FLORENTINA-HLD-M

~30° medium beam

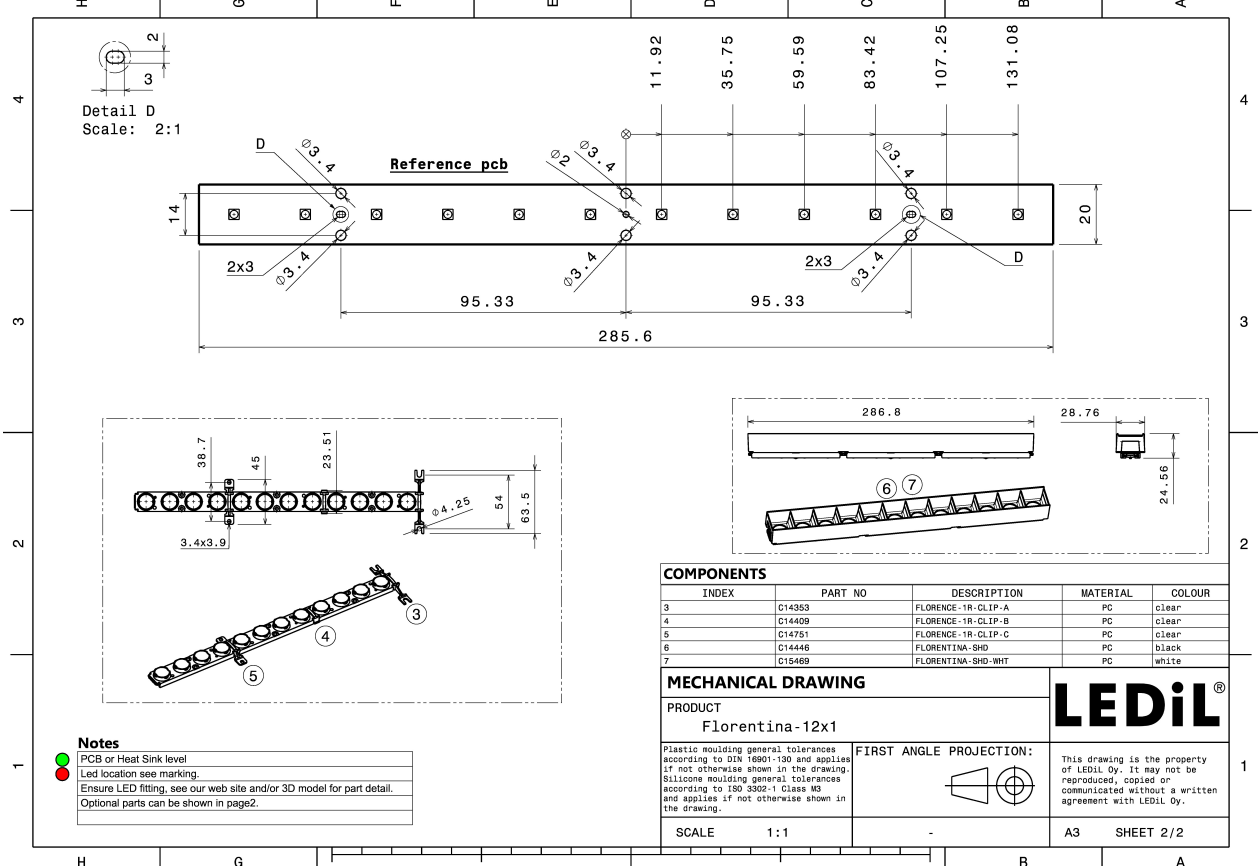
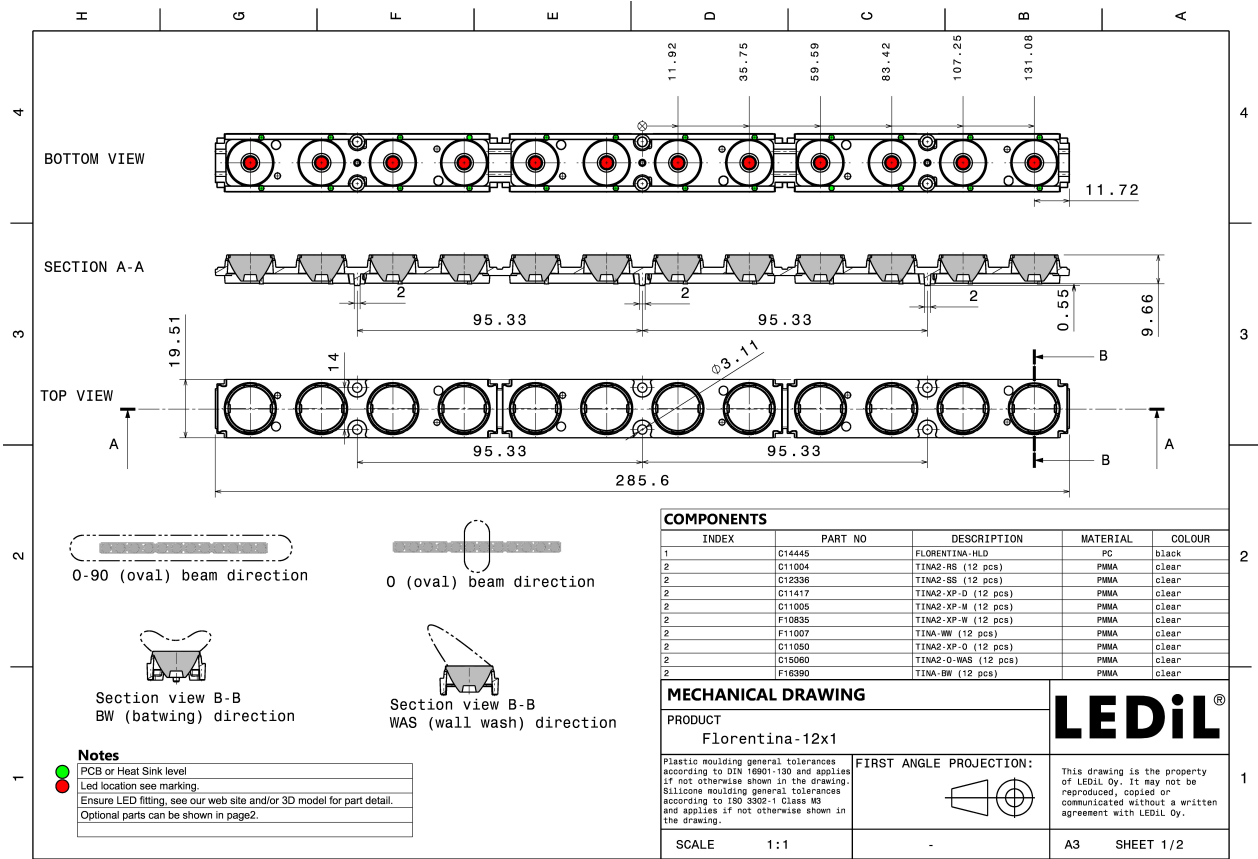
### TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	9.5 mm
Fastening	screw
Colour	black
Box size	398 x 298 x 140 mm
Box weight	5.2 kg
Quantity in Box	160 pcs
ROHS compliant	yes ⓘ


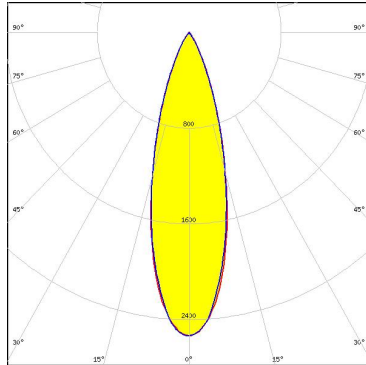
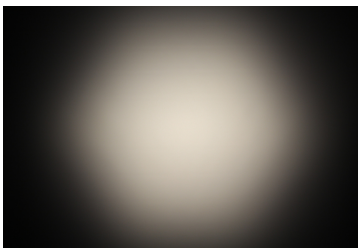
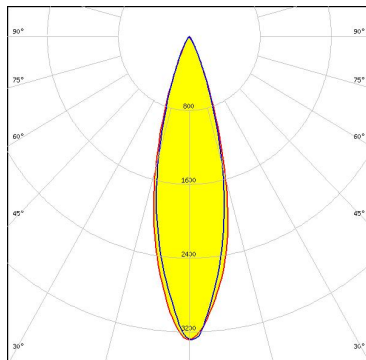
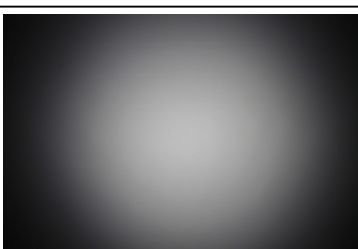
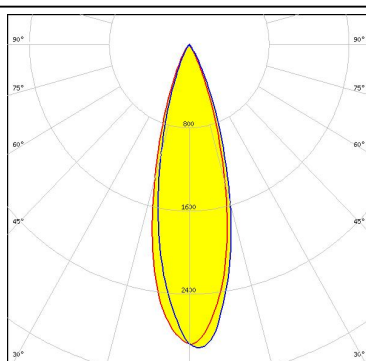
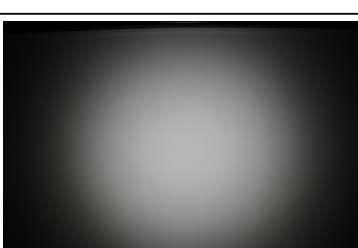
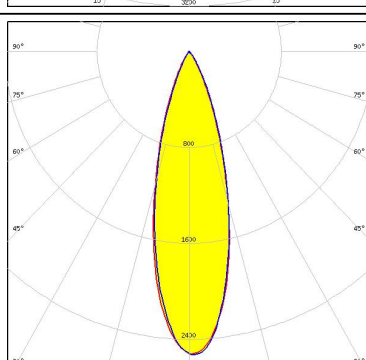


### MATERIAL SPECIFICATIONS:



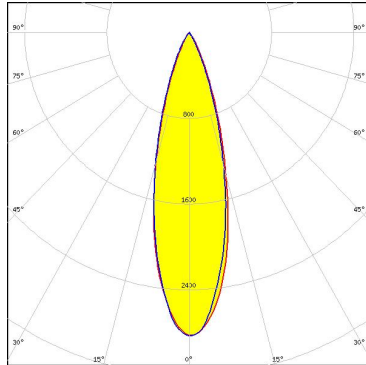

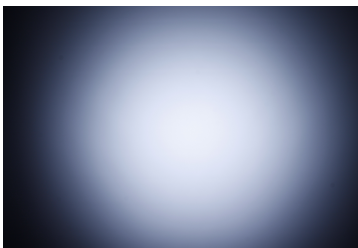
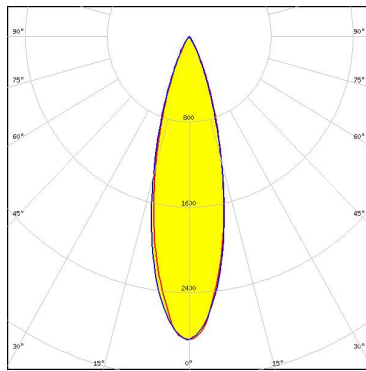


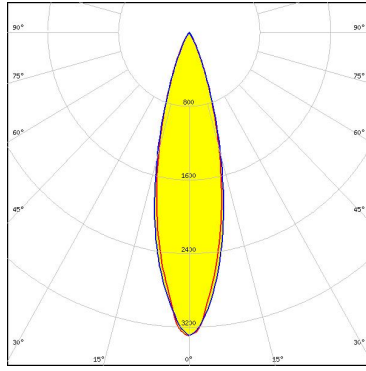

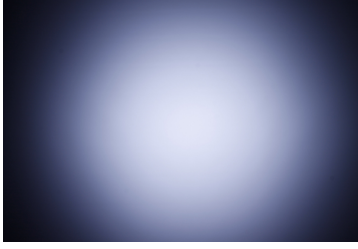
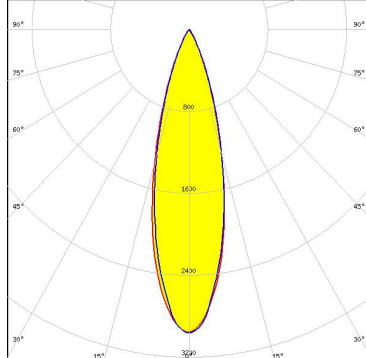
Component	Type	Material	Colour
TINA2-XP-M	Single lens	PMMA	clear
FLORENTINA-HLD	Holder	PC	black



#### PHOTOMETRIC DATA (MEASURED):

<p><b>COMET ELECTRONICS</b></p> <p>LED QUICK FLUX LED FL-XG 1x12 xxx            FWHM 29.0°            Efficiency 79 %            Peak intensity 2.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		
<p><b>CREE</b></p> <p>LED XP-E2            FWHM 29.0°            Efficiency 81 %            Peak intensity 3.280 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		
<p><b>CREE</b></p> <p>LED XP-G2            FWHM 29.0°            Efficiency 82 %            Peak intensity 2.900 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		
<p><b>CREE</b></p> <p>LED XP-G3            FWHM 29.0°            Efficiency 77 %            Peak intensity 2.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		

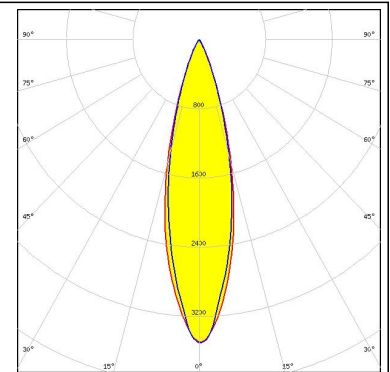
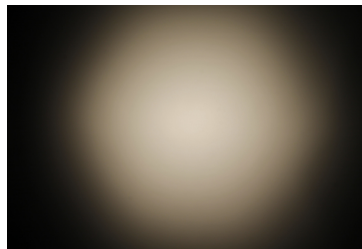
#### PHOTOMETRIC DATA (MEASURED):

<p> <b>LG Innotek</b></p> <p>LED H35C1 (LEMWA33)            FWHM 28.0°            Efficiency 79 %            Peak intensity 2.830 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		
<p> <b>LUMILEDS</b></p> <p>LED LUXEON Rebel ES            FWHM 28.0°            Efficiency 78 %            Peak intensity 2.800 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		
<p> <b>LUMILEDS</b></p> <p>LED LUXEON Rebel Plus            FWHM 26.0°            Efficiency 80 %            Peak intensity 3.300 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		
<p> <b>LUMILEDS</b></p> <p>LED LUXEON TX            FWHM 28.0°            Efficiency 79 %            Peak intensity 3.000 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		

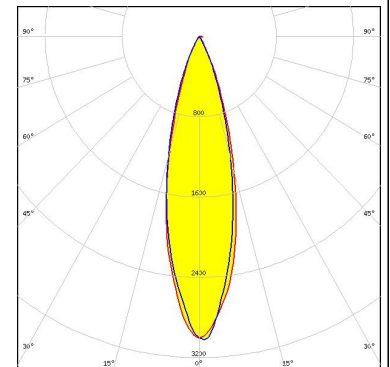
#### PHOTOMETRIC DATA (MEASURED):



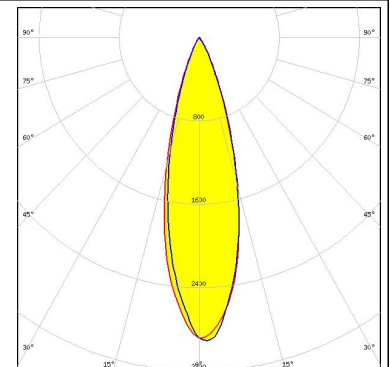
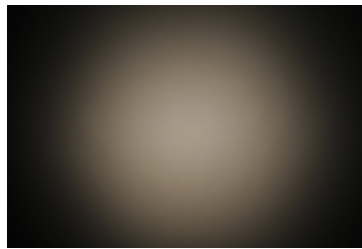
LED LUXEON Z ES  
 FWHM 26.0°  
 Efficiency 81 %  
 Peak intensity 3.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



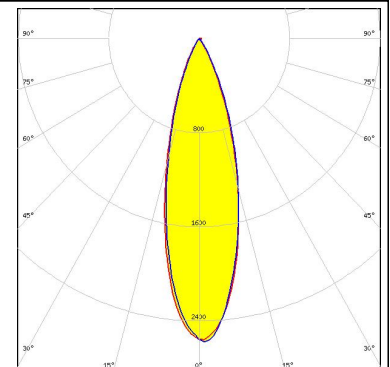
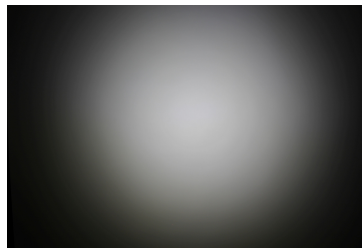
LED NCSxE17A  
 FWHM 27.0°  
 Efficiency 77 %  
 Peak intensity 3.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD




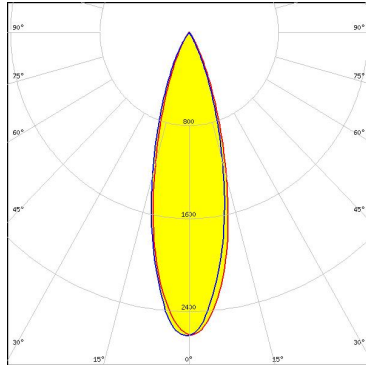
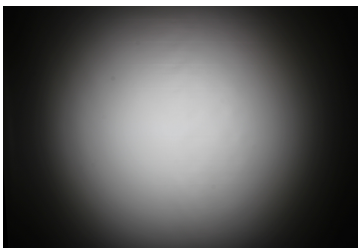
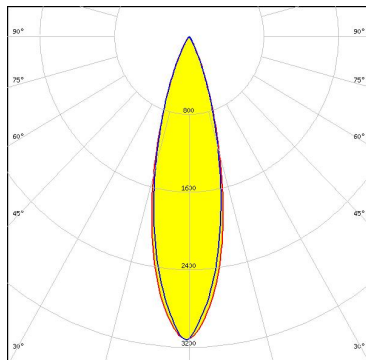

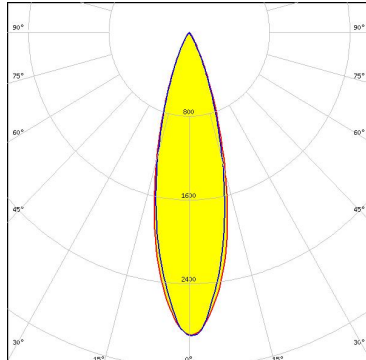
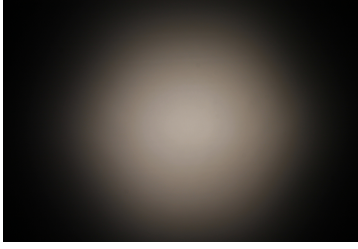
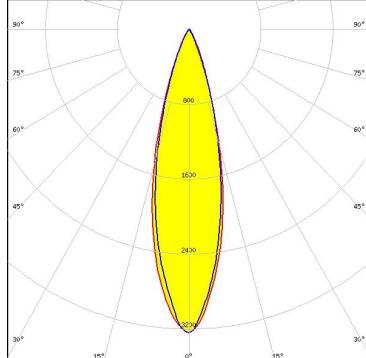
LED NCSxx19B  
 FWHM 28.0°  
 Efficiency 79 %  
 Peak intensity 2.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



LED NF2x757G  
 FWHM 29.0°  
 Efficiency 77 %  
 Peak intensity 2.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

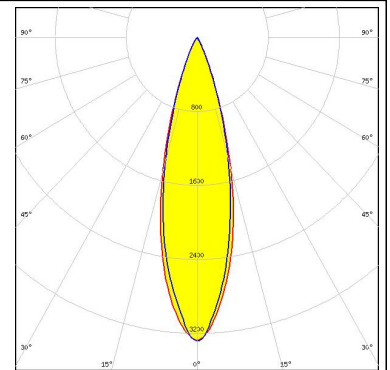
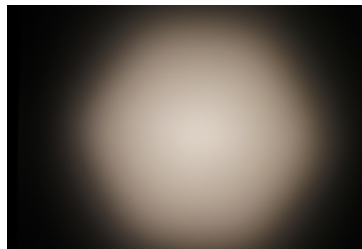
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM 29.0°            Efficiency 77 %            Peak intensity 2.600 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Duris S5 (Single chip)            FWHM 27.0°            Efficiency 80 %            Peak intensity 3.100 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM Square EC            FWHM 28.0°            Efficiency 78 %            Peak intensity 2.900 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM SSL 150            FWHM 27.0°            Efficiency 83 %            Peak intensity 3.200 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

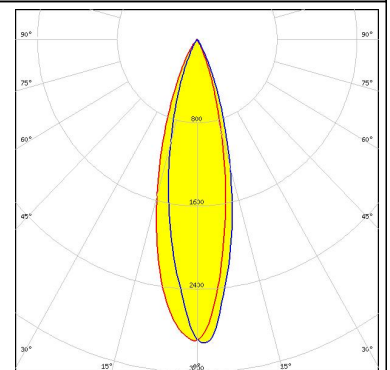
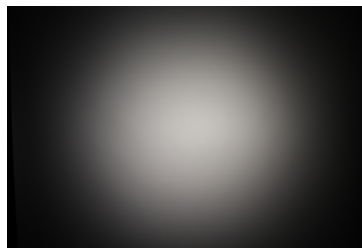
LED OSLON SSL 150  
 FWHM 28.0°  
 Efficiency 80 %  
 Peak intensity 3.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### OSRAM

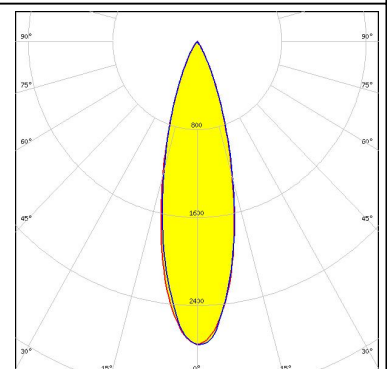
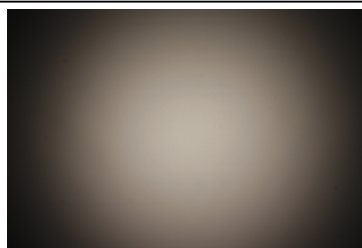
Opto Semiconductors

LED OSLON SSL 80  
 FWHM 26.0°  
 Efficiency 76 %  
 Peak intensity 2.930 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### SAMSUNG

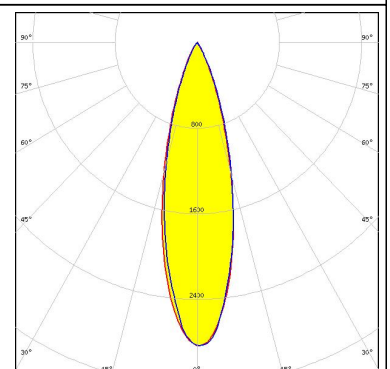
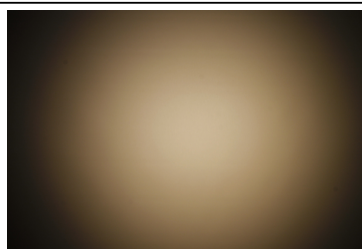
LED LH351B  
 FWHM 28.0°  
 Efficiency 79 %  
 Peak intensity 2.770 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### TOSHIBA

Leading Innovation >>>

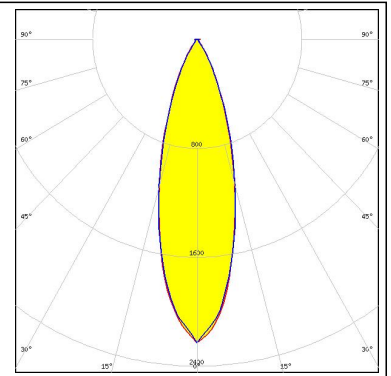
LED TL1L4  
 FWHM 27.0°  
 Efficiency 76 %  
 Peak intensity 2.840 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (SIMULATED):



LED NWSx229A  
FWHM 30.0°  
Efficiency 82 %  
Peak intensity 2.290 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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