

## FLORENTINA-HLD-O

~35° + 12° oval beam

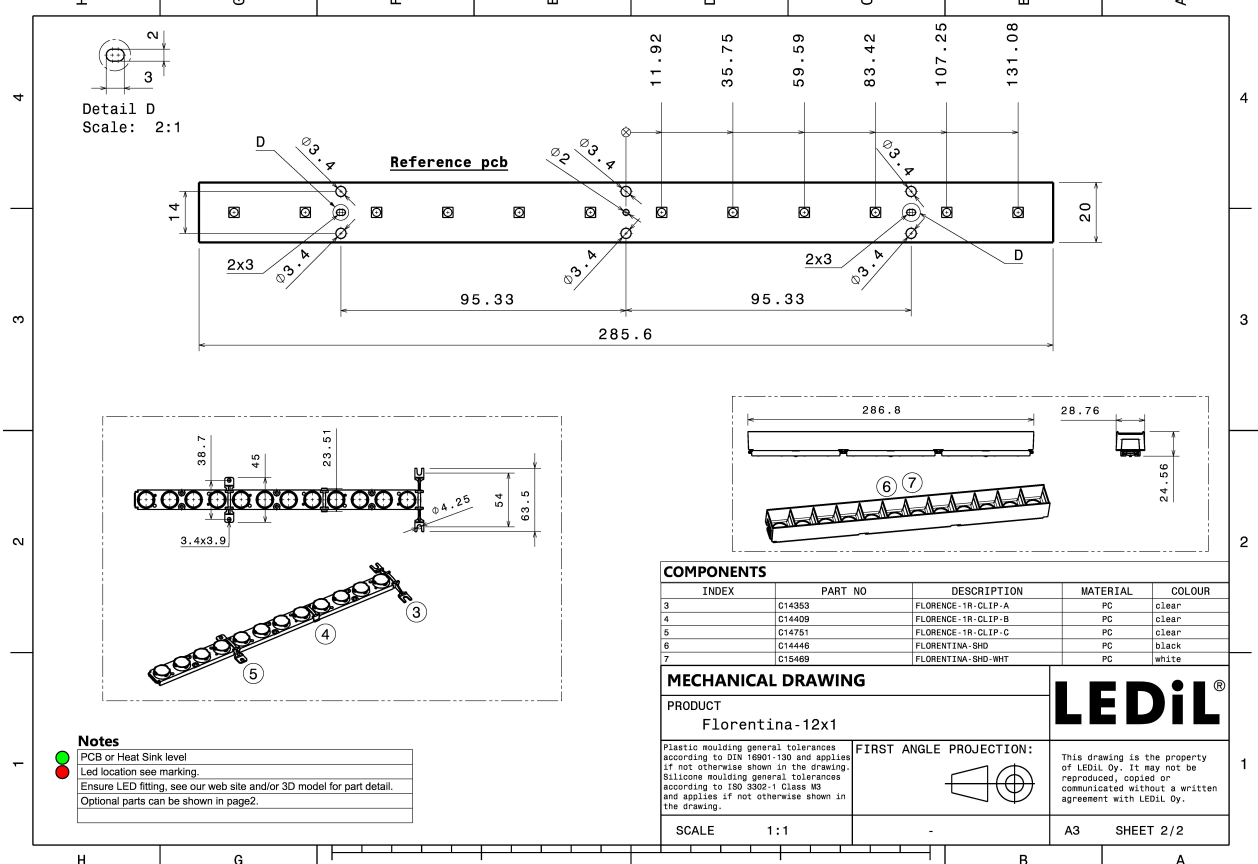
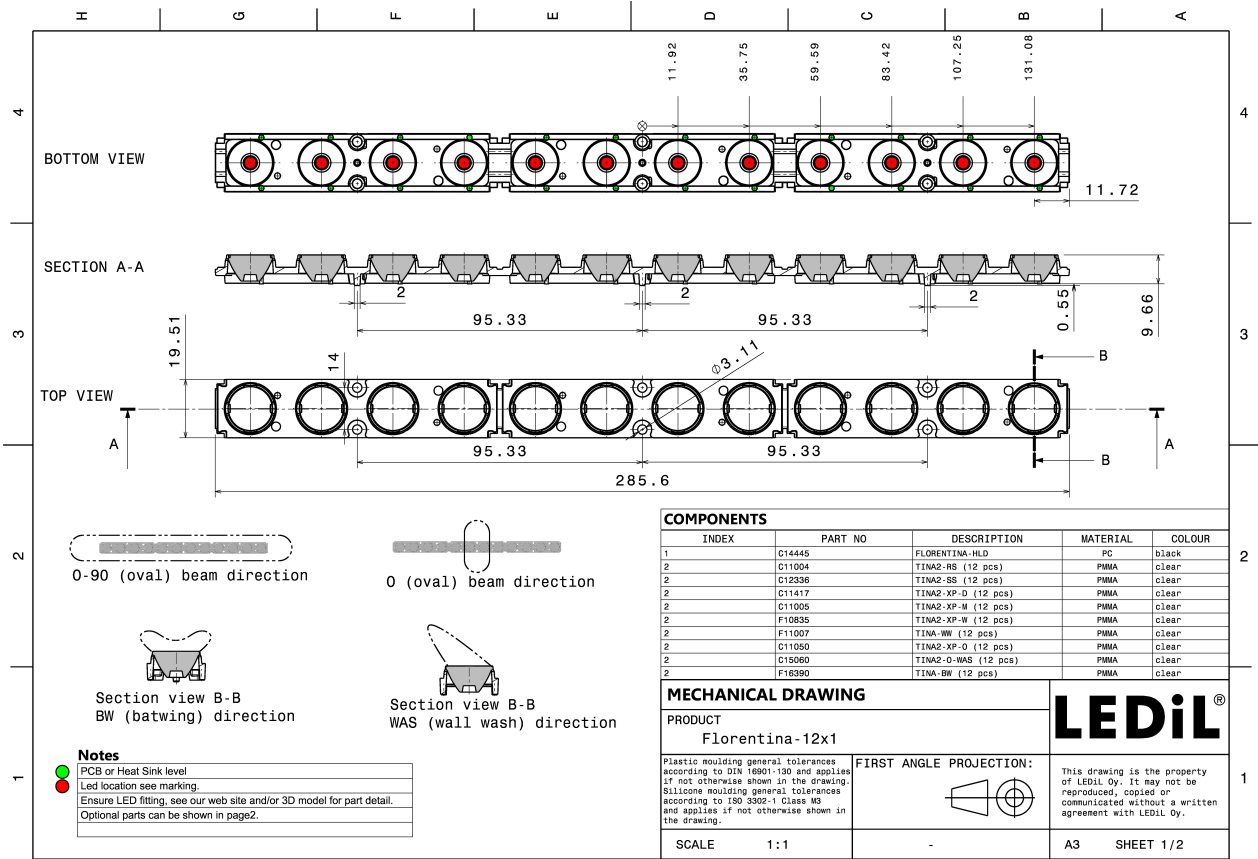
### TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	9.7 mm
Fastening	screw
Colour	black
Box size	398 x 298 x 140 mm
Box weight	5.4 kg
Quantity in Box	160 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

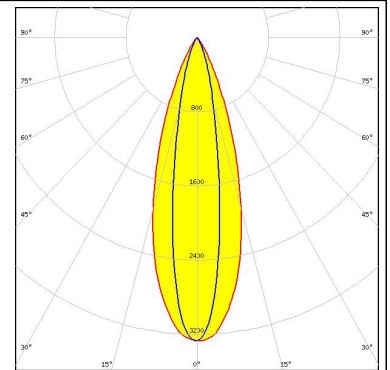
Component	Type	Material	Colour
TINA2-XP-O	Single lens	PMMA	clear
FLORENTINA-HLD	Holder	PC	black



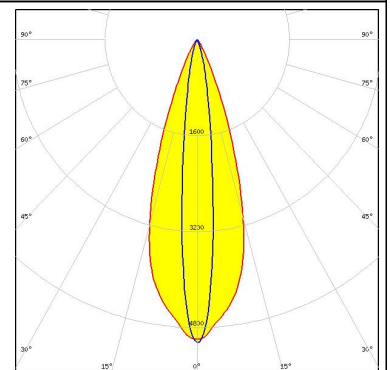
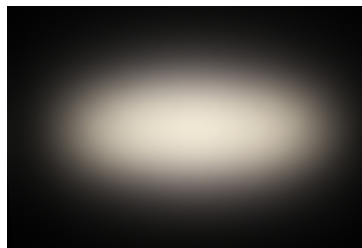
#### PHOTOMETRIC DATA (MEASURED):



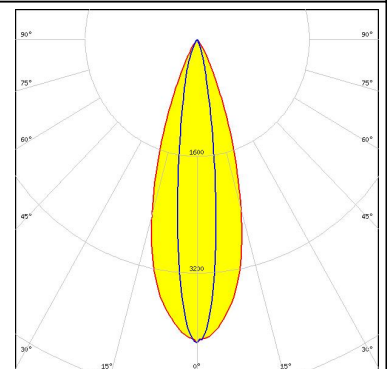
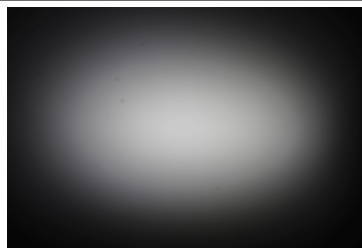
**LED** QUICK FLUX LED FL-XG 1x12 xxx  
**FWHM** 34.0 + 18.0°  
**Efficiency** 80 %  
**Peak intensity** 3.300 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



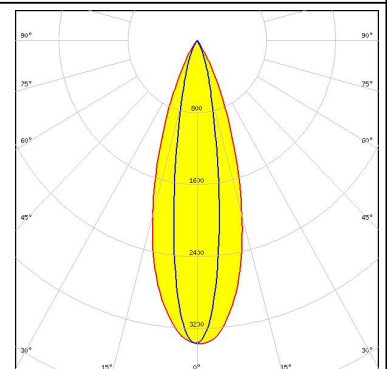
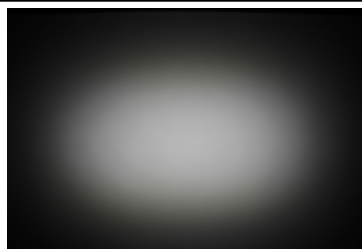
**LED** XP-E2  
**FWHM** 35.0 + 12.0°  
**Efficiency** 83 %  
**Peak intensity** 5.050 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



**LED** XP-G2  
**FWHM** 34.0 + 15.0°  
**Efficiency** 83 %  
**Peak intensity** 4.200 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



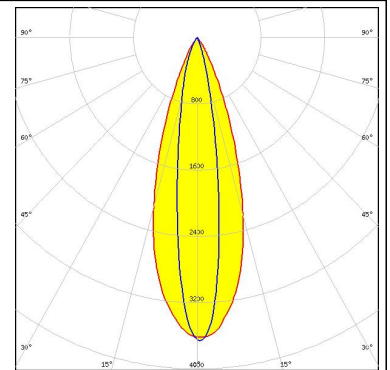
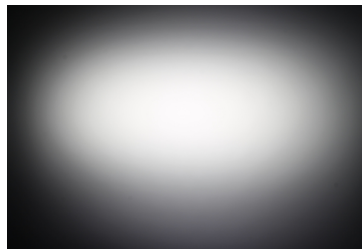
**LED** XP-G3  
**FWHM** 34.0 + 18.0°  
**Efficiency** 80 %  
**Peak intensity** 3.400 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

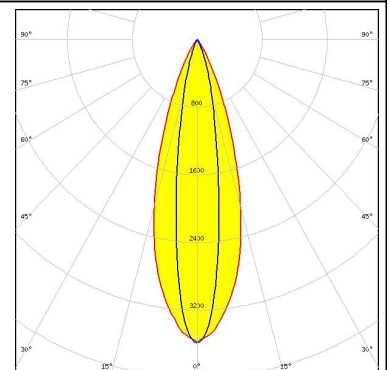
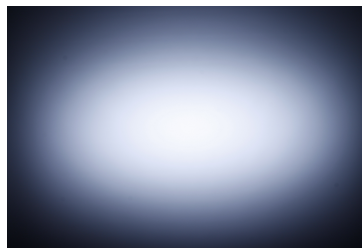
##### LG Innotek

LED H35C1 (LEMWA33)  
 FWHM 34.0 + 16.0°  
 Efficiency 80 %  
 Peak intensity 3.660 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



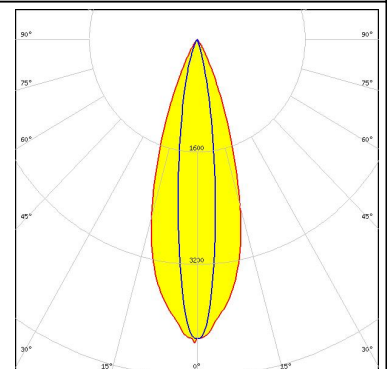
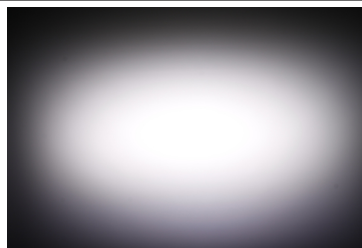
##### LUMILEDS

LED LUXEON Rebel ES  
 FWHM 33.0 + 17.0°  
 Efficiency 79 %  
 Peak intensity 3.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



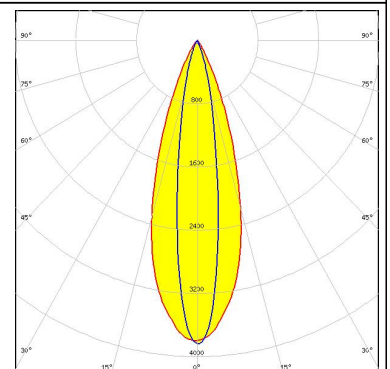
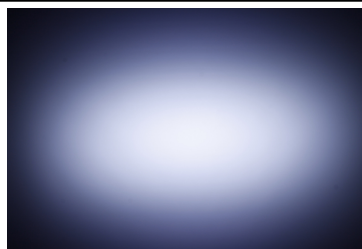
##### LUMILEDS

LED LUXEON Rebel Plus  
 FWHM 33.0 + 15.0°  
 Efficiency 81 %  
 Peak intensity 4.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



##### LUMILEDS

LED LUXEON TX  
 FWHM 34.0 + 16.0°  
 Efficiency 81 %  
 Peak intensity 3.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD

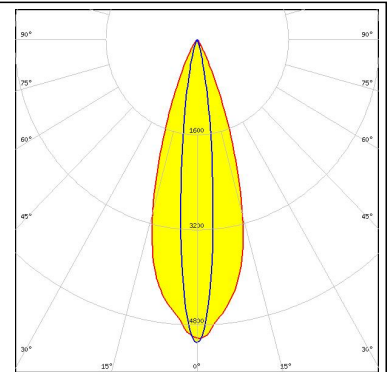
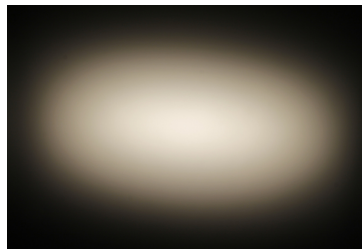




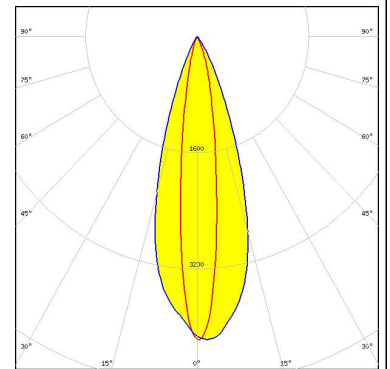
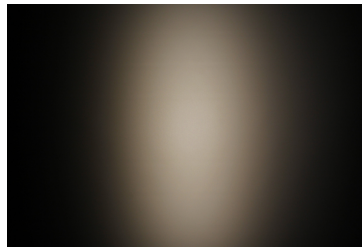
#### PHOTOMETRIC DATA (MEASURED):



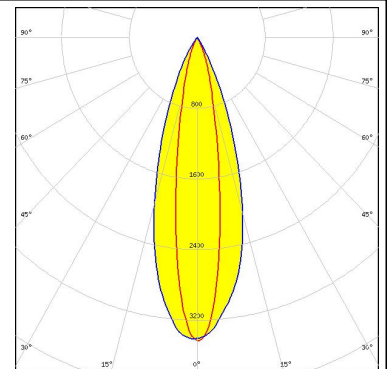
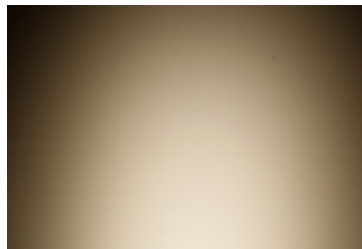
**LED** LUXEON Z ES  
**FWHM** 34.0 + 13.0°  
**Efficiency** 82 %  
**Peak intensity** 5.100 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



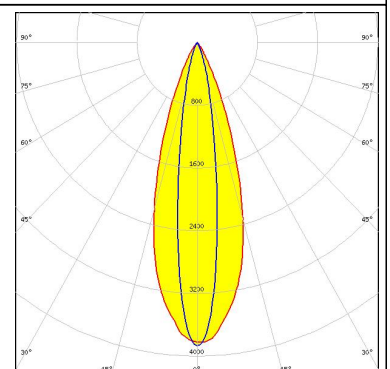
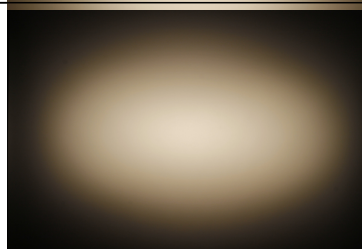
**LED** NCSxx19B  
**FWHM** 34.0 + 14.0°  
**Efficiency** 79 %  
**Peak intensity** 4.200 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



**LED** NVSxx19B/NVSxx19C  
**FWHM** 34.0 + 17.0°  
**Efficiency** 78 %  
**Peak intensity** 3.430 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



**LED** OSLOM Square EC  
**FWHM** 34.0 + 15.0°  
**Efficiency** 79 %  
**Peak intensity** 3.870 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD

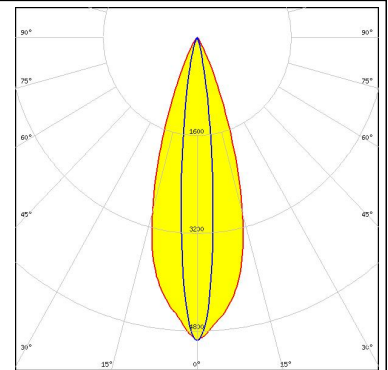


#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

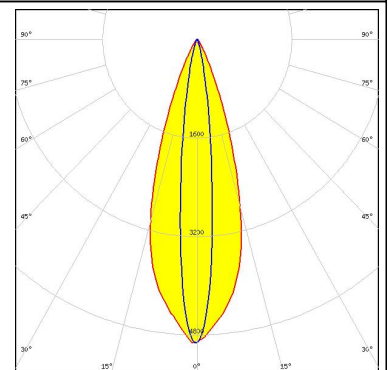
LED OSLOM SSL 150  
 FWHM 34.0 + 12.0°  
 Efficiency 80 %  
 Peak intensity 5.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### OSRAM

Opto Semiconductors

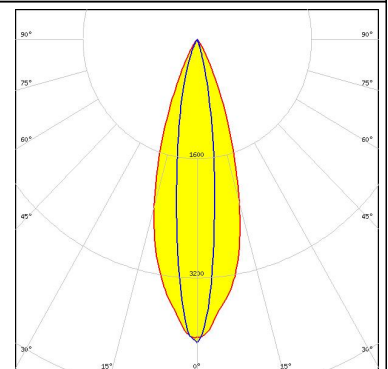
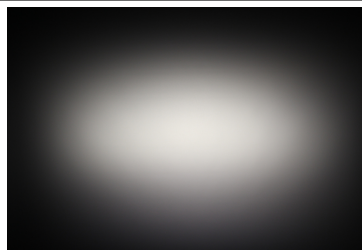
LED OSLOM SSL 150  
 FWHM 34.0 + 12.0°  
 Efficiency 84 %  
 Peak intensity 4.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

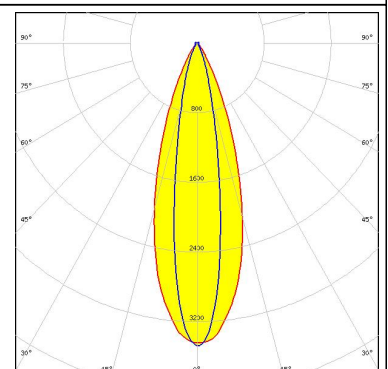
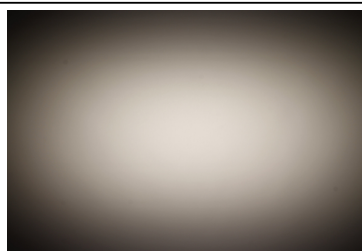
Opto Semiconductors

LED OSLOM SSL 80  
 FWHM 33.0 + 15.0°  
 Efficiency 79 %  
 Peak intensity 4.080 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### SAMSUNG

LED LH351B  
 FWHM 34.0 + 18.0°  
 Efficiency 94 %  
 Peak intensity 3.480 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD

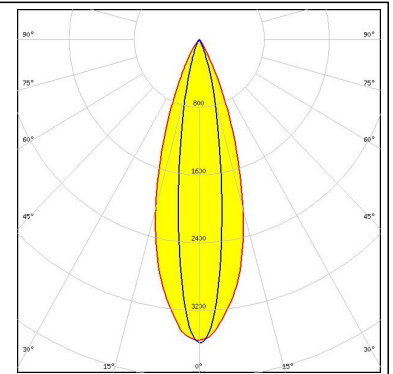
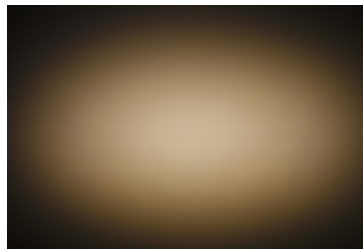


#### PHOTOMETRIC DATA (MEASURED):

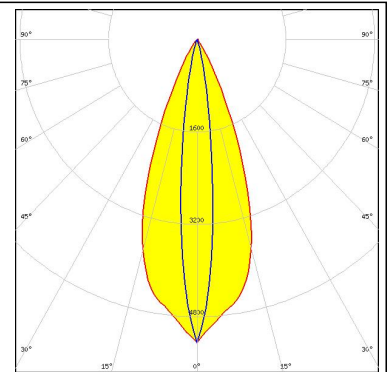
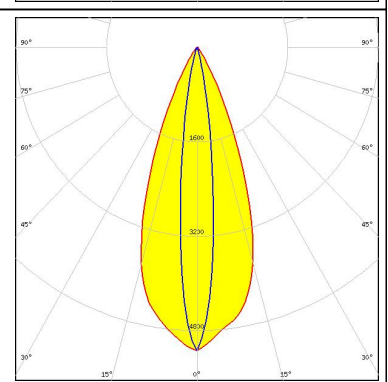
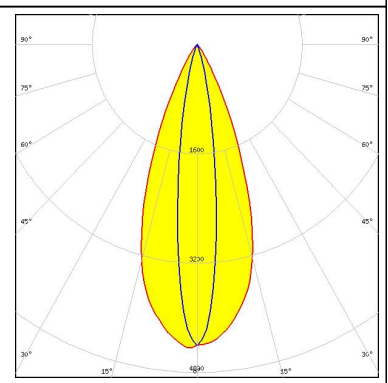
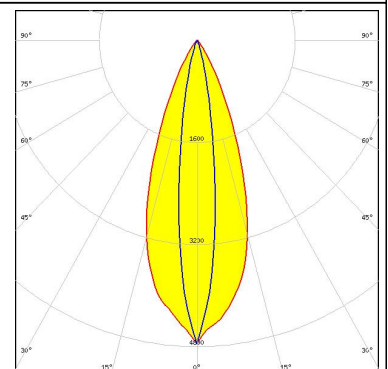
##### **TOSHIBA**

Leading Innovation >>>

LED TL1L4  
FWHM 34.0 + 17.0°  
Efficiency 79 %  
Peak intensity 3.590 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



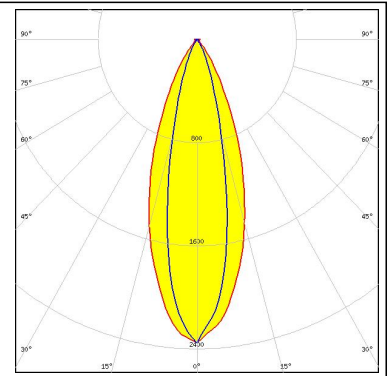
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>NICHIA</b></p> <p>LED NCSxE17A            FWHM 40.0 + 13.0°            Efficiency 94 %            Peak intensity 5.260 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>	
<p><b>NICHIA</b></p> <p>LED NCSxE17A            FWHM 40.0 + 13.0°            Efficiency 94 %            Peak intensity 5.150 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM 40.0 + 15.0°            Efficiency 94 %            Peak intensity 5.260 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C14446_FLORENTINA-SHD</p>	
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM 38.0 + 14.0°            Efficiency 94 %            Peak intensity 4.760 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):



LED NWSx229A  
FWHM 38.0 + 23.0°  
Efficiency 81 %  
Peak intensity 2.350 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:

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