


## FLORENTINA-HLD-RS

~10° real spot beam

### TECHNICAL SPECIFICATIONS:

Dimensions	285.6 x 19.5 mm
Height	9.5 mm
Fastening	clips
ROHS compliant	yes 

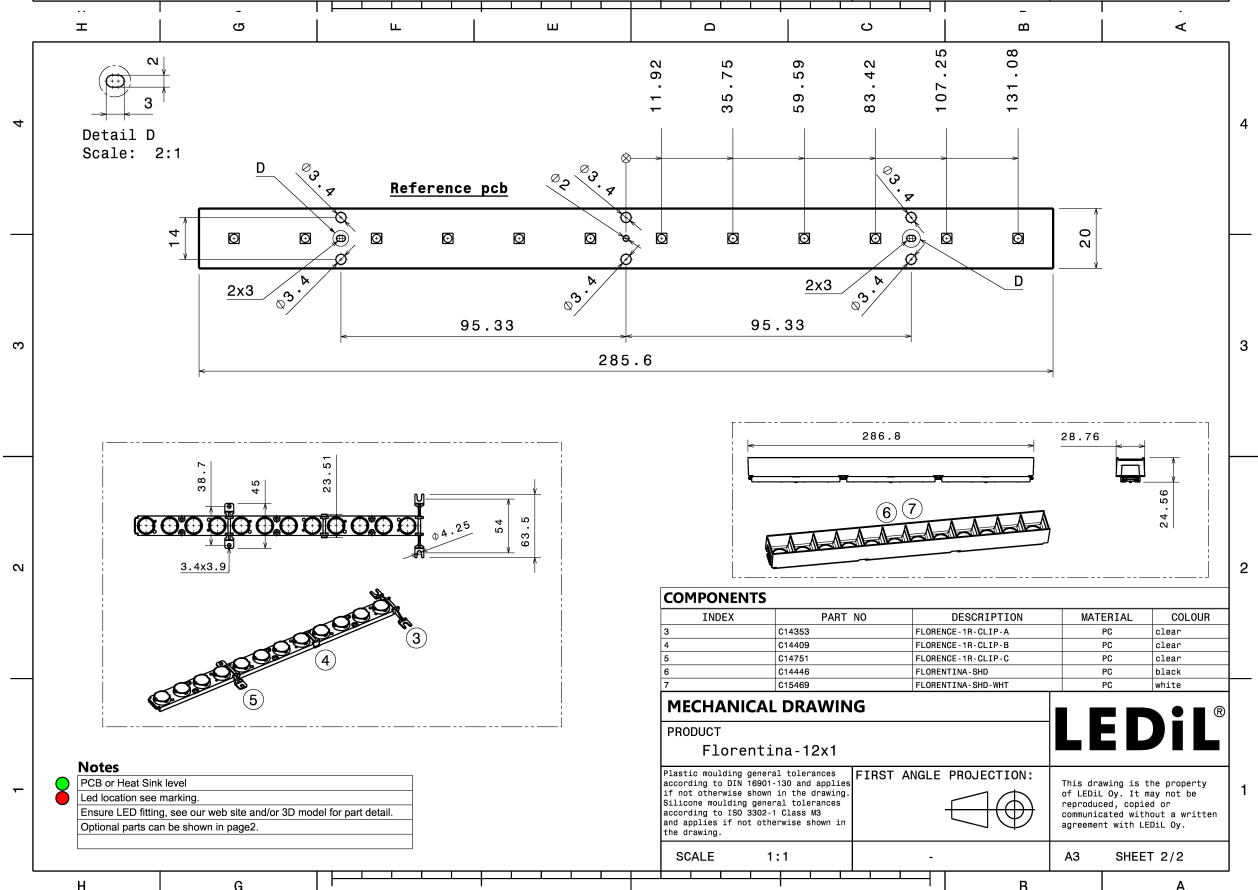
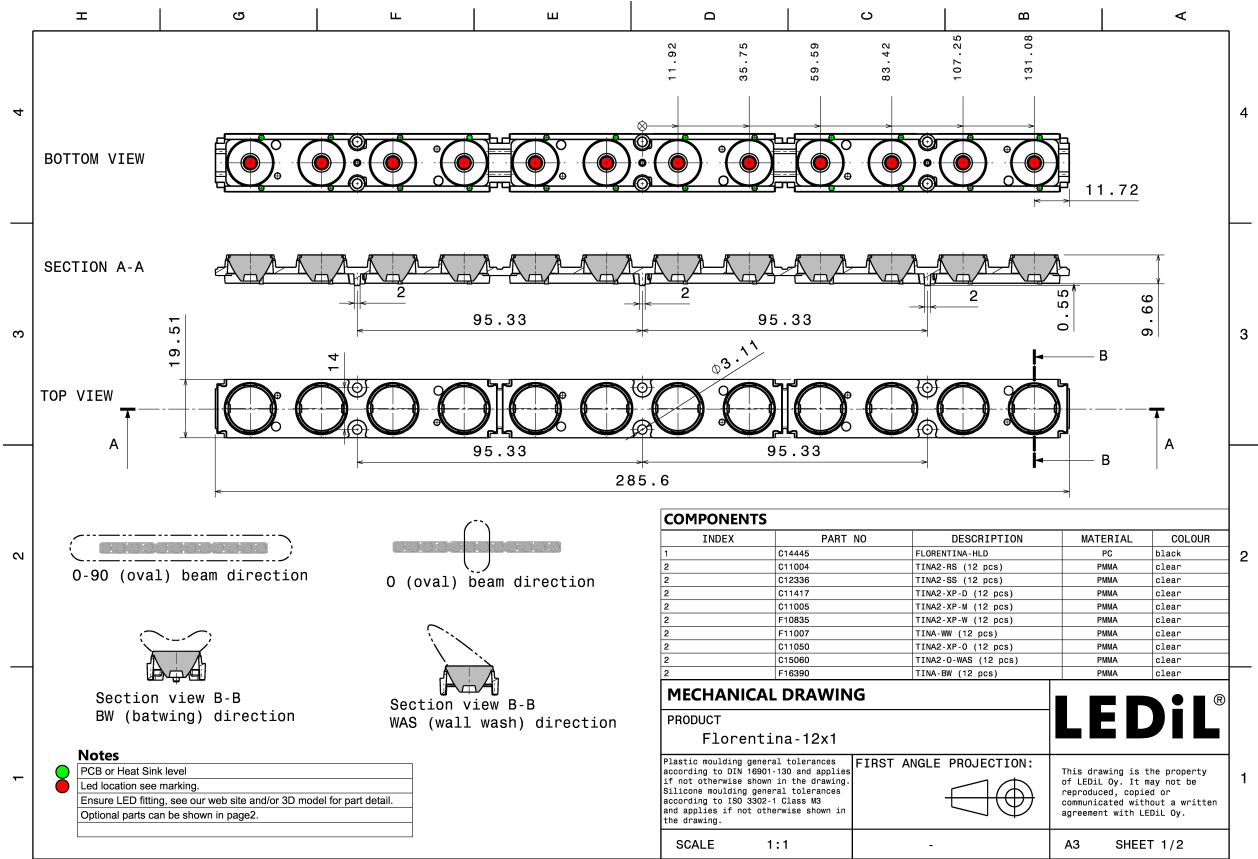
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-RS	Single lens	PMMA		
FLORENTINA-HLD	Holder	PC		


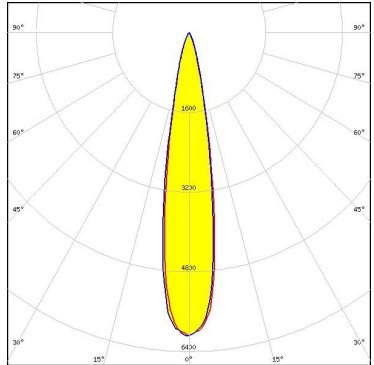

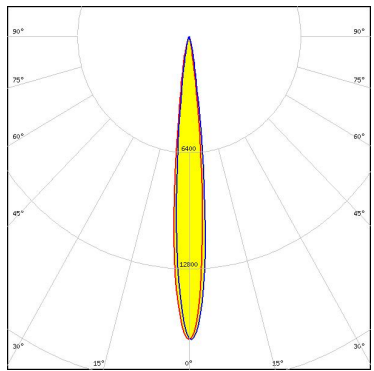

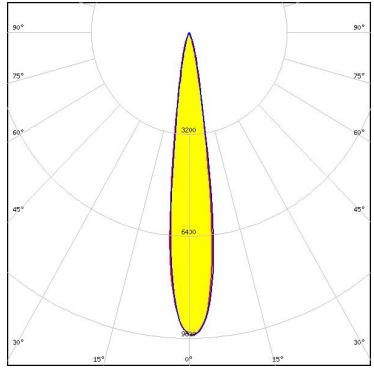

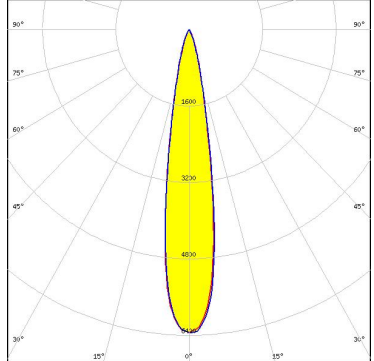


### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP14866_FLORENTINA-HLD-RS	Single lens	160	32	16	5.2
» Box size: 398 x 298 x 140 mm					



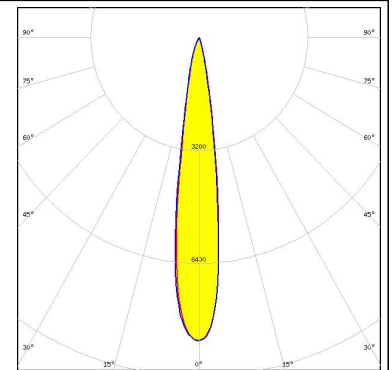
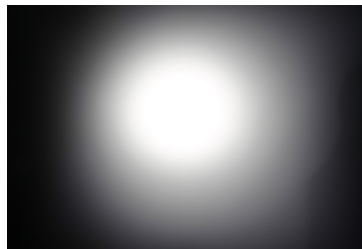
#### PHOTOMETRIC DATA (MEASURED):

<p><b>COMET ELECTRONICS</b></p> <p>LED QUICK FLUX LED FL-XG 1x12 xxx</p> <p>FWHM 18.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 6.100 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p><b>CREE</b></p> <p>LED XP-E2</p> <p>FWHM 11.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 16.740 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p><b>CREE</b></p> <p>LED XP-G2</p> <p>FWHM 15.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 9.500 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p><b>CREE</b></p> <p>LED XP-G3</p> <p>FWHM 18.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 6.400 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C14446_FLORENTINA-SHD</p>		

#### PHOTOMETRIC DATA (MEASURED):

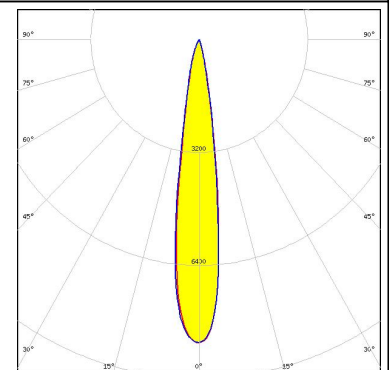
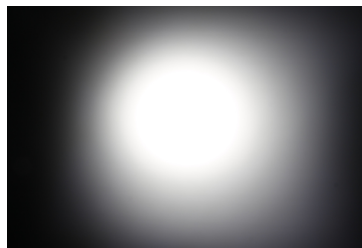
##### LG Innotek

LED H35C1 (LEMWA33)  
 FWHM 15.0°  
 Efficiency 84 %  
 Peak intensity 8.600 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



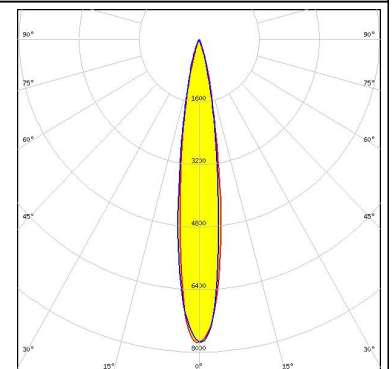
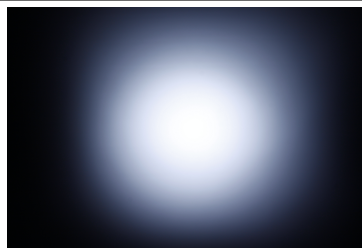
##### LG Innotek

LED H35C1 (LEMWA33)  
 FWHM 15.0°  
 Efficiency 84 %  
 Peak intensity 8.600 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



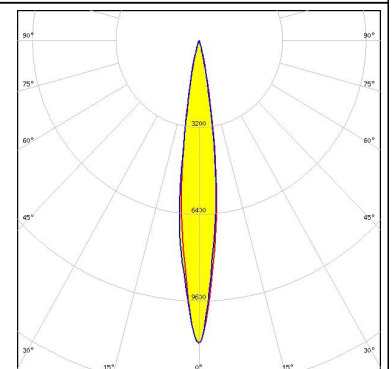
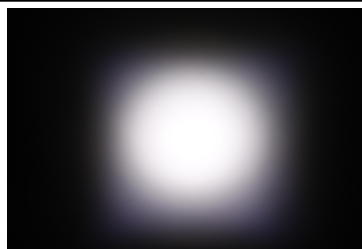
##### LUMILEDS

LED LUXEON Rebel ES  
 FWHM 16.0°  
 Efficiency 82 %  
 Peak intensity 7.800 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



##### LUMILEDS

LED LUXEON Rebel Plus  
 FWHM 14.0°  
 Efficiency 82 %  
 Peak intensity 11.200 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD

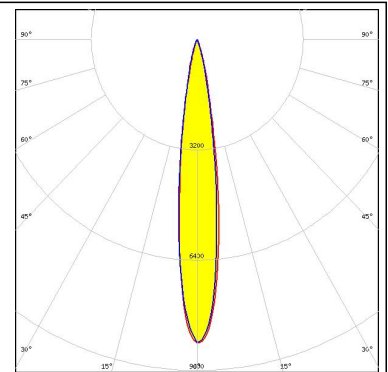
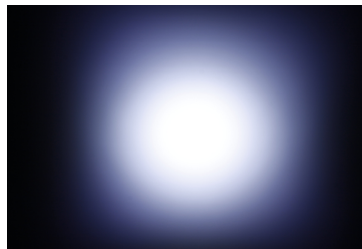




#### PHOTOMETRIC DATA (MEASURED):

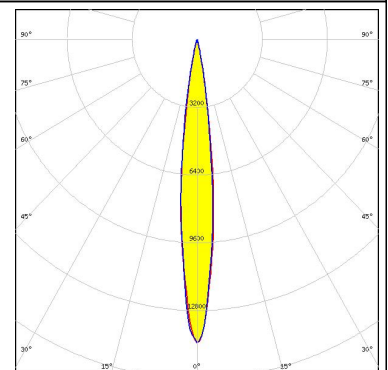
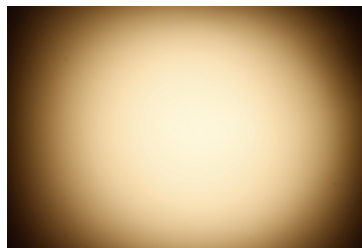
#### LUMILEDS

LED LUXEON TX  
 FWHM 15.0°  
 Efficiency 83 %  
 Peak intensity 8.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



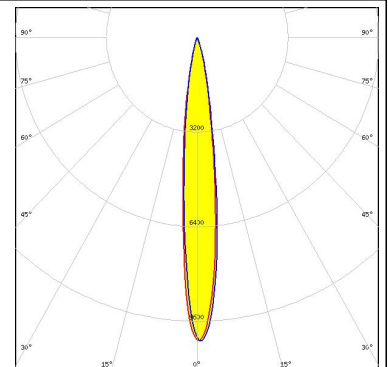
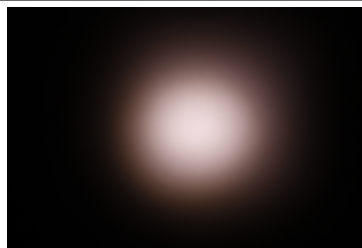
#### LUMILEDS

LED LUXEON Z ES  
 FWHM 13.0°  
 Efficiency 84 %  
 Peak intensity 14.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



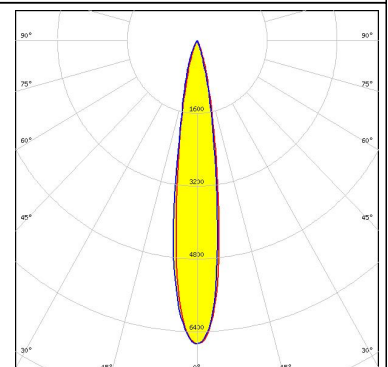
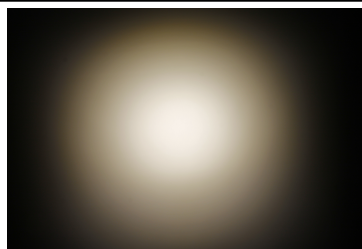
#### NICHIA

LED NCSxx19B  
 FWHM 13.0°  
 Efficiency 80 %  
 Peak intensity 10.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### NICHIA

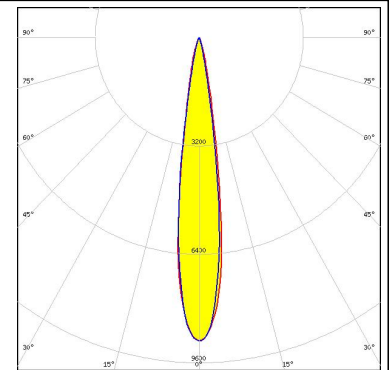
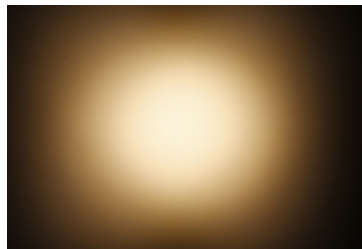
LED NVSxx19B/NVSxx19C  
 FWHM 16.0°  
 Efficiency 79 %  
 Peak intensity 6.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

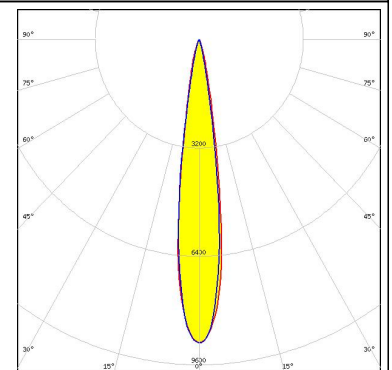
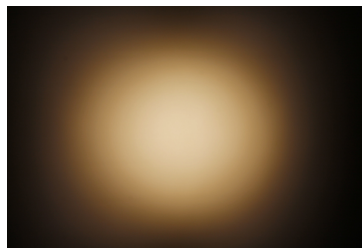
**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM 15.0°  
Efficiency 81 %  
Peak intensity 9.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



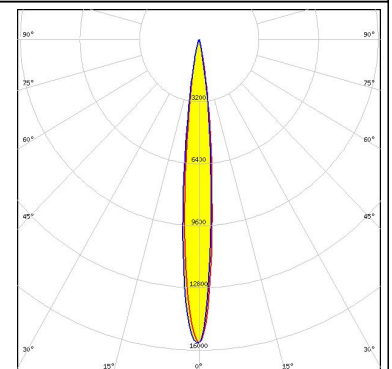
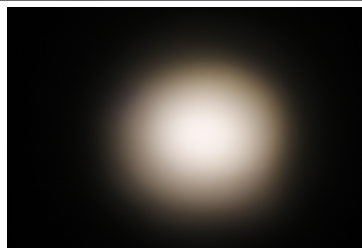
**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM 15.0°  
Efficiency 81 %  
Peak intensity 8.950 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD



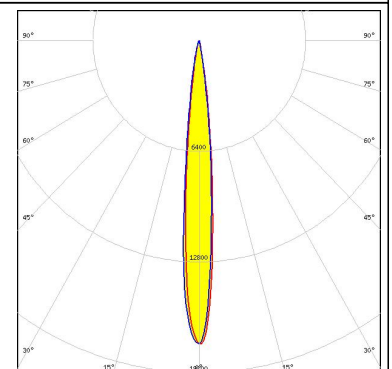
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM 11.0°  
Efficiency 84 %  
Peak intensity 15.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM 11.0°  
Efficiency 82 %  
Peak intensity 17.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C14446\_FLORENTINA-SHD

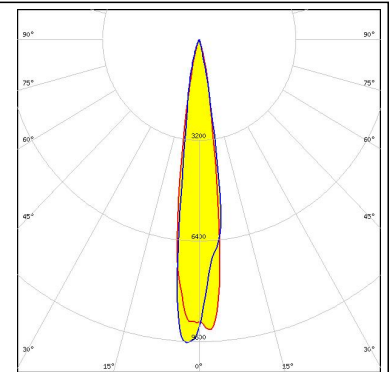


#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

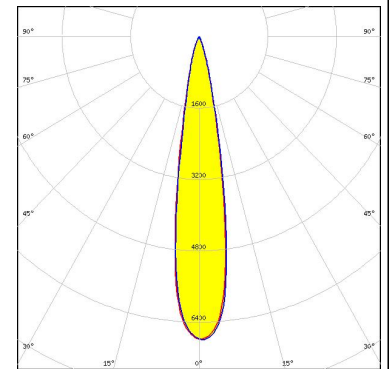
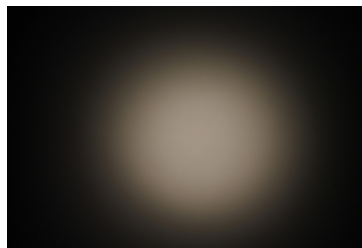
Opto Semiconductors

LED OSLON SSL 80  
 FWHM 15.0°  
 Efficiency 82 %  
 Peak intensity 9.760 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### SAMSUNG

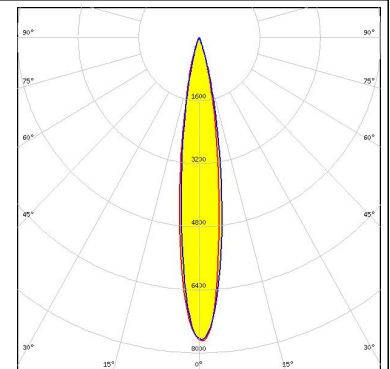
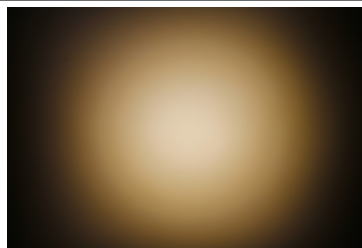
LED LH351B  
 FWHM 18.0°  
 Efficiency 84 %  
 Peak intensity 6.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



#### TOSHIBA

Leading Innovation >>>

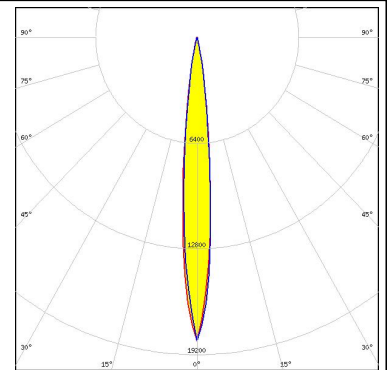
LED TL1L4  
 FWHM 16.0°  
 Efficiency 82 %  
 Peak intensity 7.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C14446\_FLORENTINA-SHD



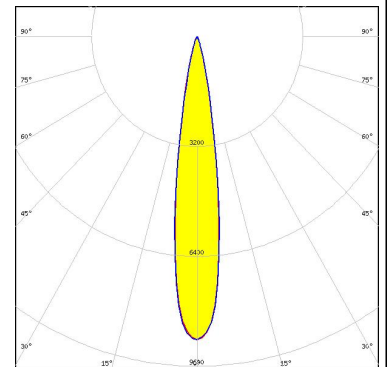
#### PHOTOMETRIC DATA (SIMULATED):



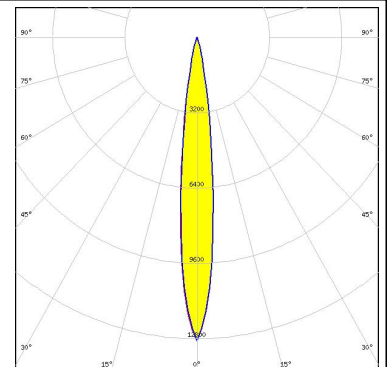
**LED** NCSxE17A  
**FWHM** 11.0°  
**Efficiency** 88 %  
**Peak intensity** 22.360 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



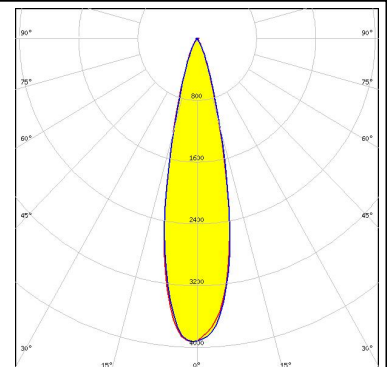
**LED** NVSU119C  
**FWHM** 16.0°  
**Efficiency** 92 %  
**Peak intensity** cd/lm  
**LEDs/each optic** 1  
**Light colour** UV  
**Required components:**



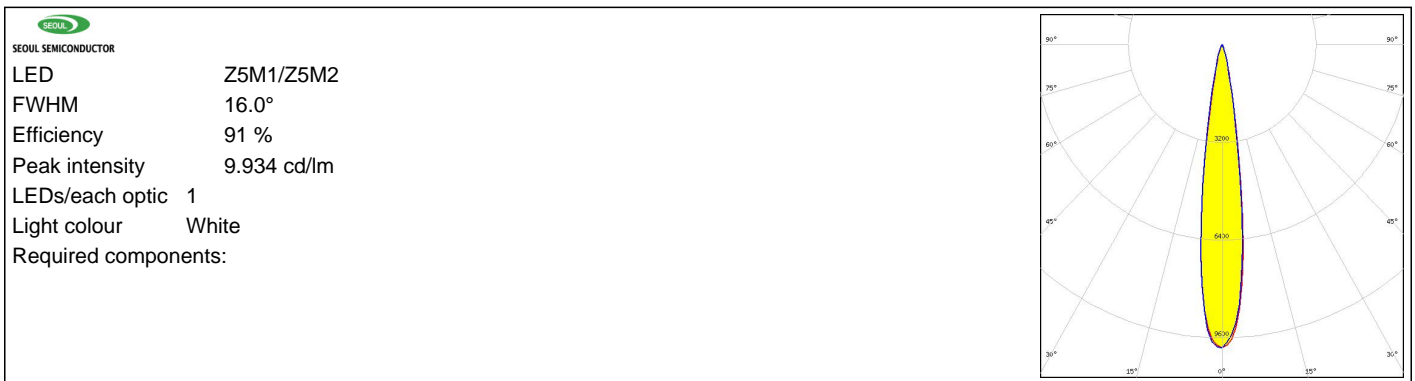
**LED** NVSxE21A  
**FWHM** 13.0°  
**Efficiency** 88 %  
**Peak intensity** 14.700 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



**LED** NWSx229A  
**FWHM** 24.0°  
**Efficiency** 86 %  
**Peak intensity** 3.950 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (SIMULATED):





#### 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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#### Shipping locations

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Hong Kong, China

#### Distribution Partners

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