

## FLORENTINA-HLD-RS

~10° real spot beam

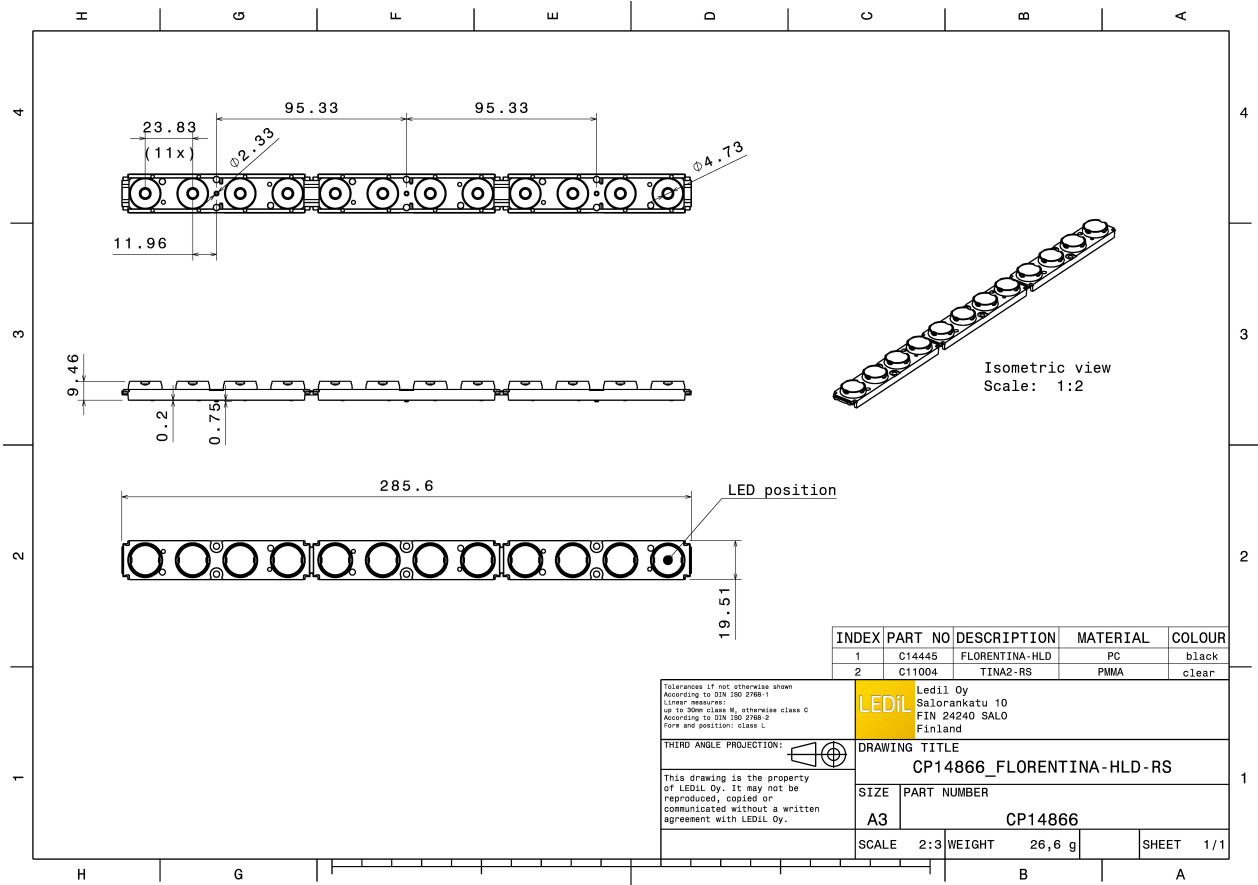
### TECHNICAL SPECIFICATIONS:

Dimensions	285.6+19.5 mm
Height	9.5 mm
Fastening	clips
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:

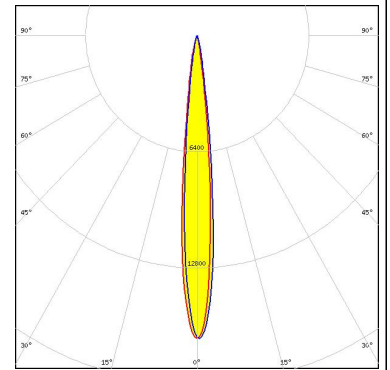
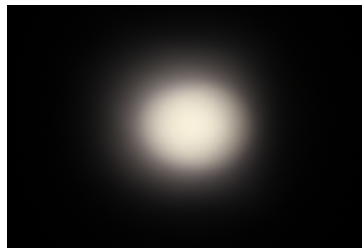
Component	Type	Material	Colour
TINA2-RS	Lens	PMMA	clear
FLORENTINA-HLD	Holder	PC	black



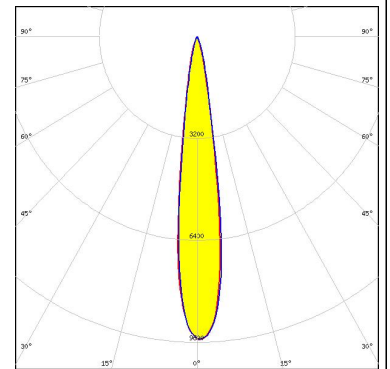
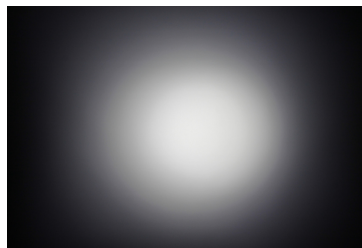
#### PHOTOMETRIC DATA (MEASURED):



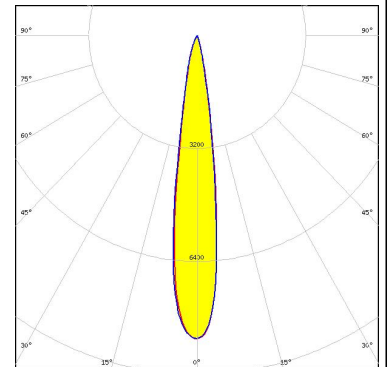
LED XP-E2  
 FWHM 11.0°  
 Efficiency 84 %  
 Peak intensity 16.740 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



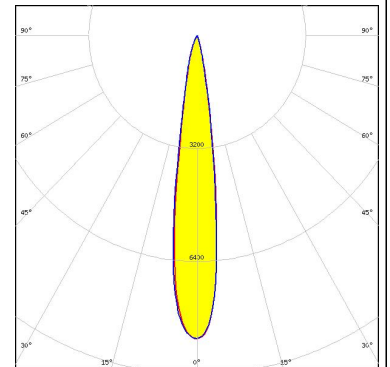
LED XP-G2  
 FWHM 15.0°  
 Efficiency 86 %  
 Peak intensity 9.500 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD




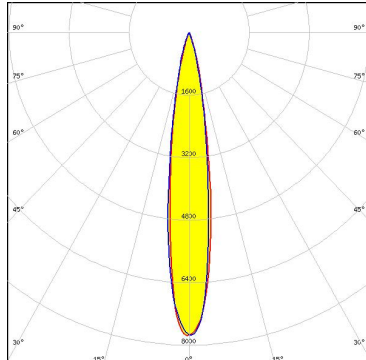
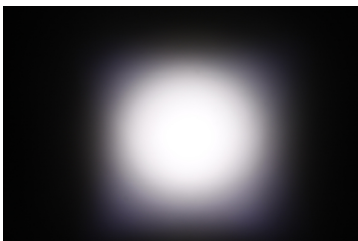
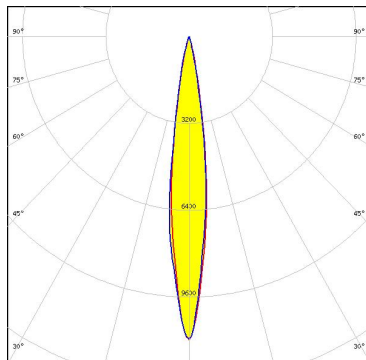

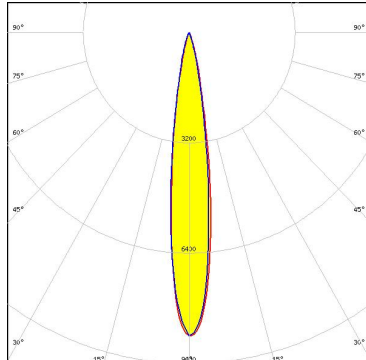

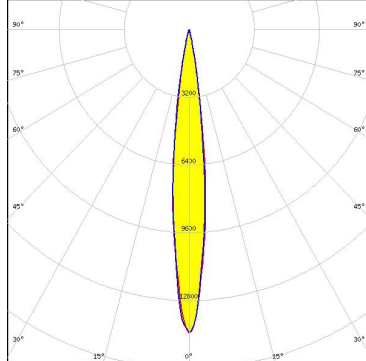
LED H35C1 (LEMWA33)  
 FWHM 15.0°  
 Efficiency 84 %  
 Peak intensity 8.600 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



LED H35C1 (LEMWA33)  
 FWHM 15.0°  
 Efficiency 84 %  
 Peak intensity 8.600 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

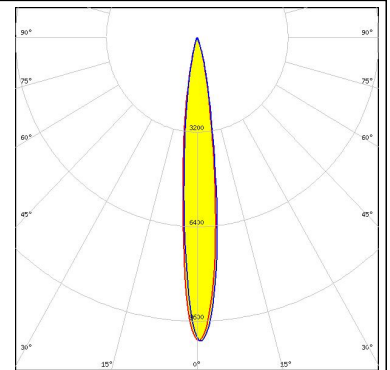
<p><b>LUMILEDS</b></p> <p>LED LUXEON Rebel ES</p> <p>FWHM 16.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 7.800 cd/lm</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON Rebel Plus</p> <p>FWHM 14.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 11.200 cd/lm</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON TX</p> <p>FWHM 15.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 8.800 cd/lm</p> <p>Required components: C14446_FLORENTINA-SHD</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON Z ES</p> <p>FWHM 13.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 14.300 cd/lm</p> <p>Required components: C14446_FLORENTINA-SHD</p>		



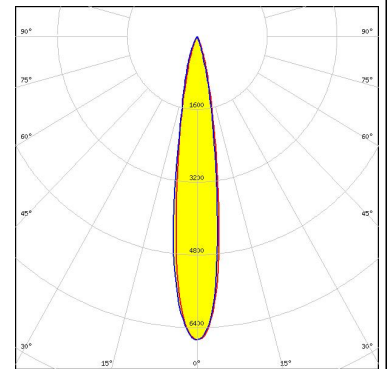
#### PHOTOMETRIC DATA (MEASURED):



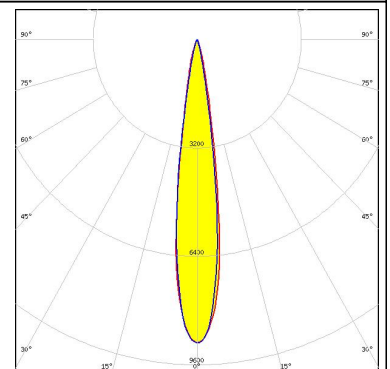
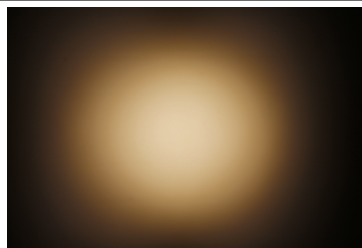
LED NCSxx19B  
 FWHM 13.0°  
 Efficiency 80 %  
 Peak intensity 10.300 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



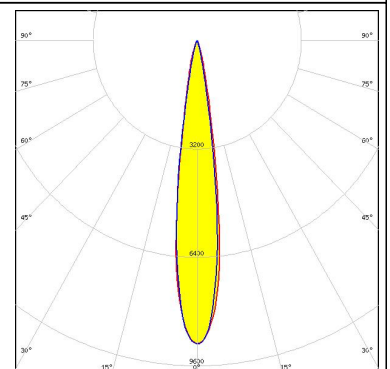
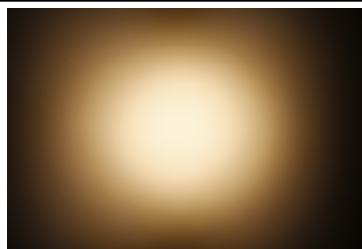
LED NVSxx19B/NVSxx19C  
 FWHM 16.0°  
 Efficiency 79 %  
 Peak intensity 6.700 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



LED Oslon Square EC  
 FWHM 15.0°  
 Efficiency 81 %  
 Peak intensity 8.950 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



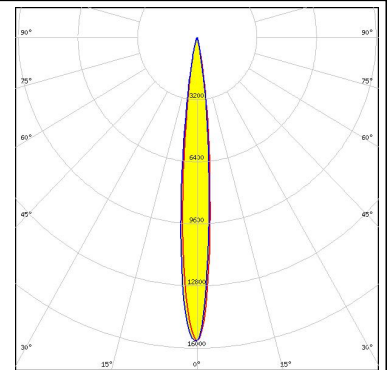
LED Oslon Square EC  
 FWHM 15.0°  
 Efficiency 81 %  
 Peak intensity 9.000 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

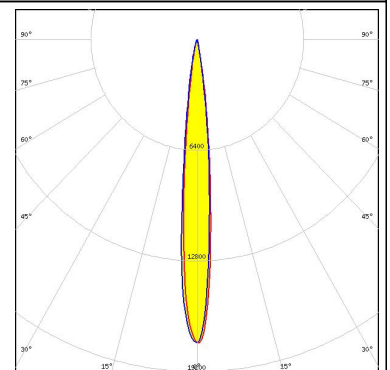
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 150  
FWHM 11.0°  
Efficiency 84 %  
Peak intensity 15.600 cd/lm  
Required components:



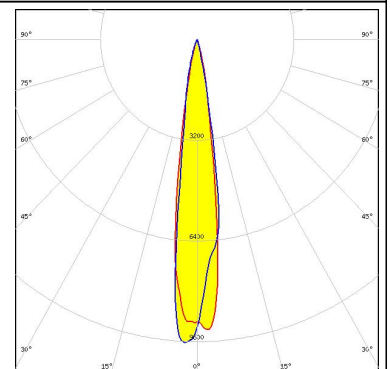
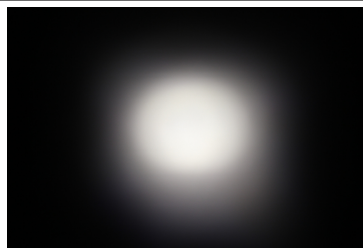
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 150  
FWHM 11.0°  
Efficiency 82 %  
Peak intensity 17.600 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD



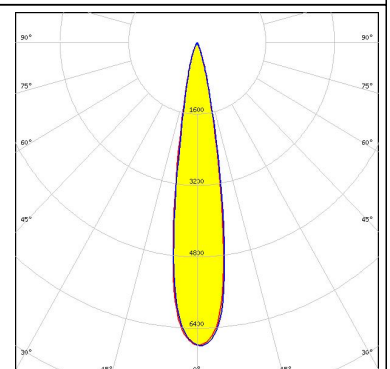
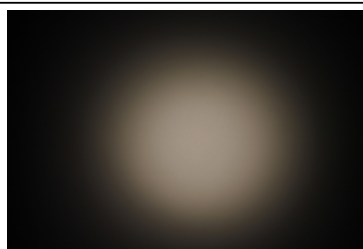
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 15.0°  
Efficiency 82 %  
Peak intensity 9.760 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD



**SAMSUNG**

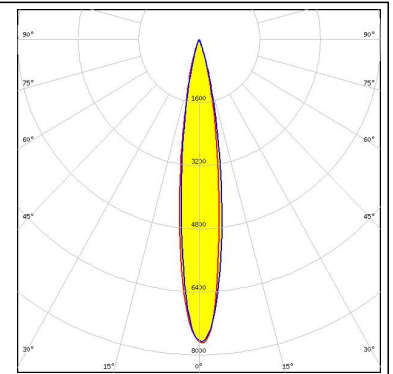
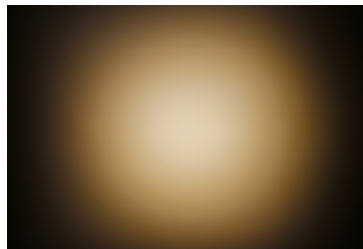
LED LH351B  
FWHM 18.0°  
Efficiency 84 %  
Peak intensity 6.800 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (MEASURED):

**TOSHIBA**  
Leading Innovation >>>

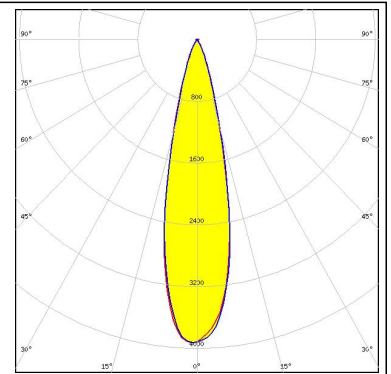
LED TL1L4  
FWHM 16.0°  
Efficiency 82 %  
Peak intensity 7.700 cd/lm  
Required components:  
C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (SIMULATED):



LED NWSx229A  
FWHM 24.0°  
Efficiency 86 %  
Peak intensity 3.950 cd/lm  
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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