

## FLORENTINA-HLD-M

~30° medium beam

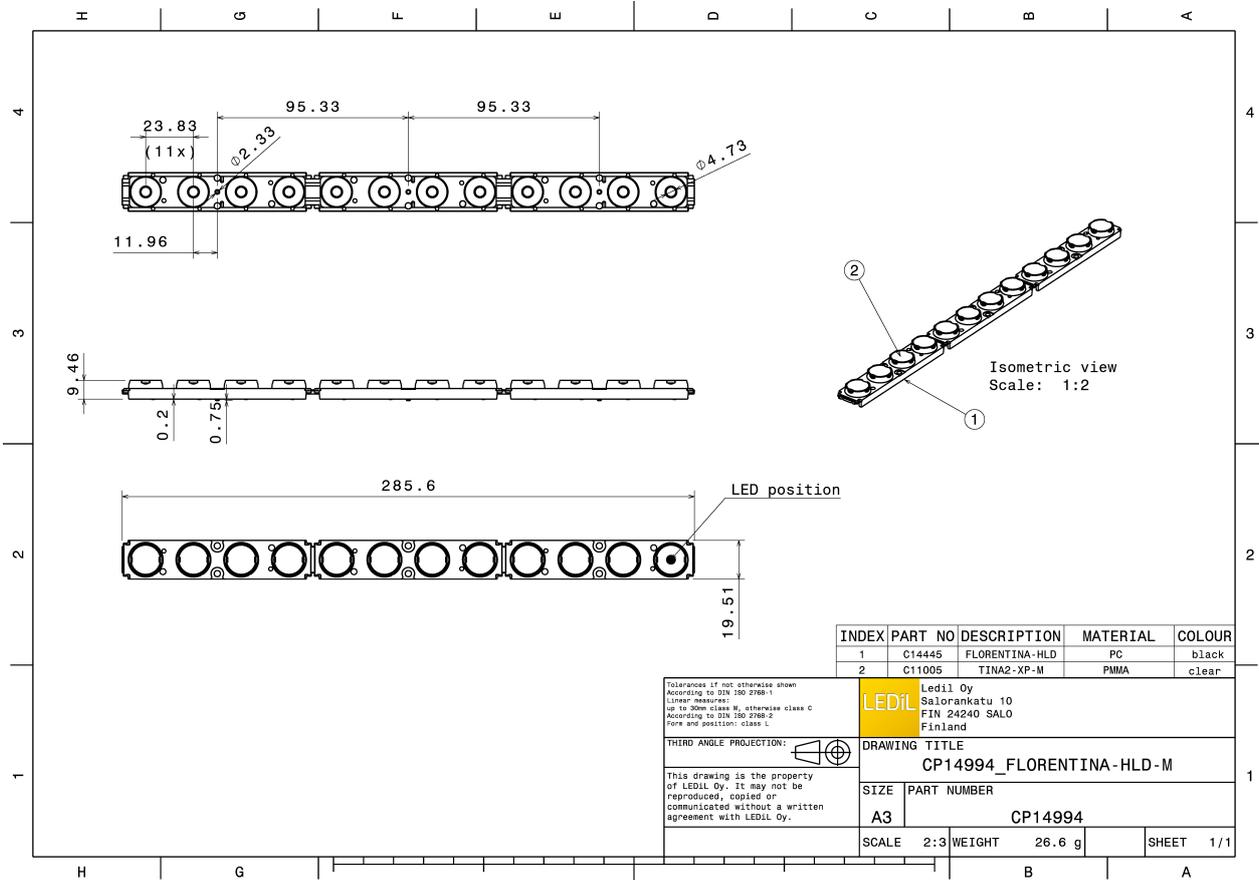
### TECHNICAL SPECIFICATIONS:

Dimensions	285.6+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:

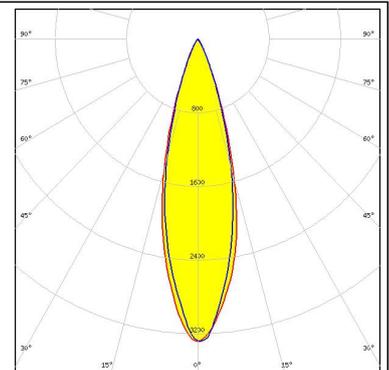
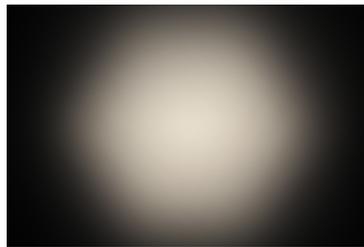
Component	Type	Material	Colour
TINA2-XP-M	Lens	PMMA	clear
FLORENTINA-HLD	Holder	PC	black



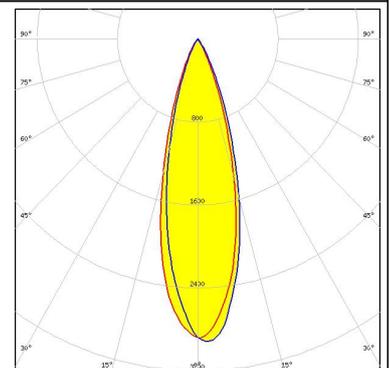
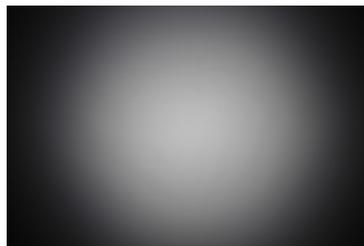
#### PHOTOMETRIC DATA (MEASURED):



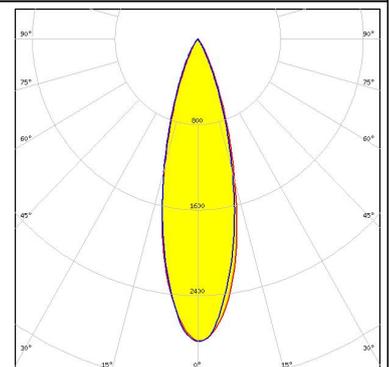
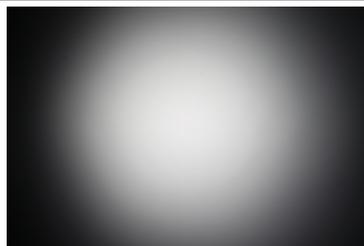
LED XP-E2  
 FWHM 29.0°  
 Efficiency 81 %  
 Peak intensity 3.280 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



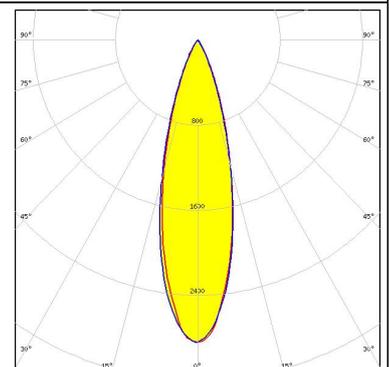
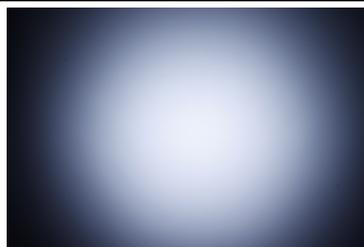
LED XP-G2  
 FWHM 29.0°  
 Efficiency 82 %  
 Peak intensity 2.900 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



LED H35C1 (LEMWA33)  
 FWHM 28.0°  
 Efficiency 79 %  
 Peak intensity 2.830 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



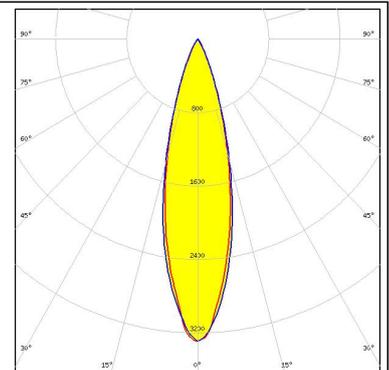
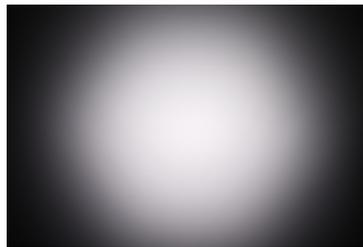
LED LUXEON Rebel ES  
 FWHM 28.0°  
 Efficiency 78 %  
 Peak intensity 2.800 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



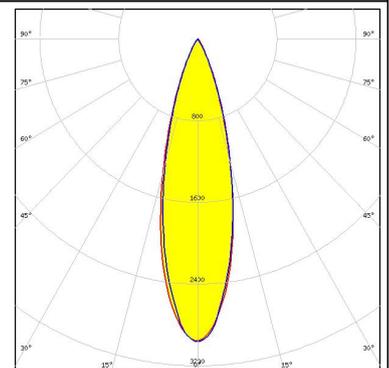
#### PHOTOMETRIC DATA (MEASURED):



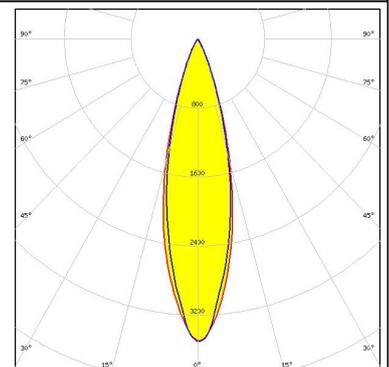
LED LUXEON Rebel Plus  
 FWHM 26.0°  
 Efficiency 80 %  
 Peak intensity 3.300 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



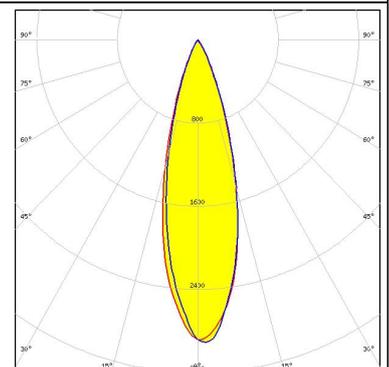
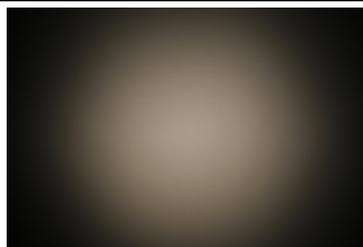
LED LUXEON TX  
 FWHM 28.0°  
 Efficiency 79 %  
 Peak intensity 3.000 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



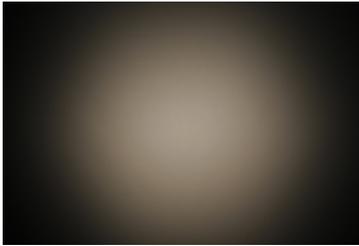
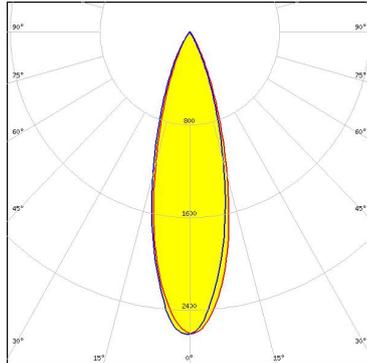
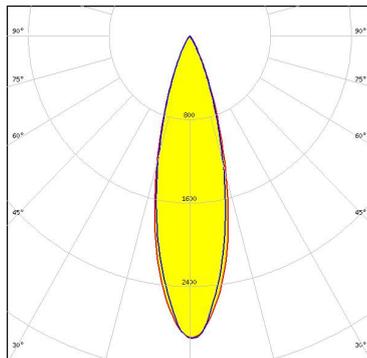
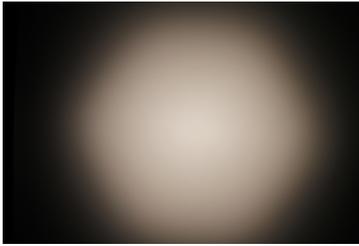
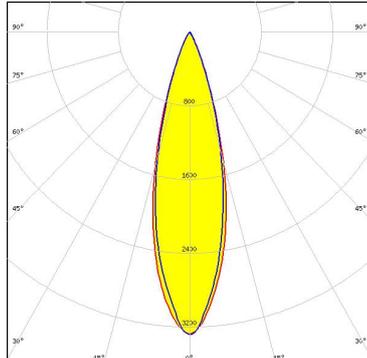
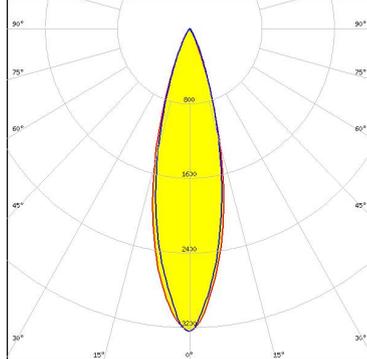
LED LUXEON Z ES  
 FWHM 26.0°  
 Efficiency 81 %  
 Peak intensity 3.500 cd/lm  
 Required components:  
 C14446\_FLORENTINA-SHD



LED NCSxx19B  
 FWHM 28.0°  
 Efficiency 79 %  
 Peak intensity 2.900 cd/lm  
 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            Required components:            C14446_FLORENTINA-SHD</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Oslon Square EC            FWHM 28.0°            Efficiency 78 %            Peak intensity 2.900 cd/lm            Required components:            C14446_FLORENTINA-SHD</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Oslon SSL 150            FWHM 28.0°            Efficiency 80 %            Peak intensity 3.300 cd/lm            Required components:            C14446_FLORENTINA-SHD</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Oslon SSL 150            FWHM 27.0°            Efficiency 83 %            Peak intensity 3.200 cd/lm            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

LED Oslon SSL 80

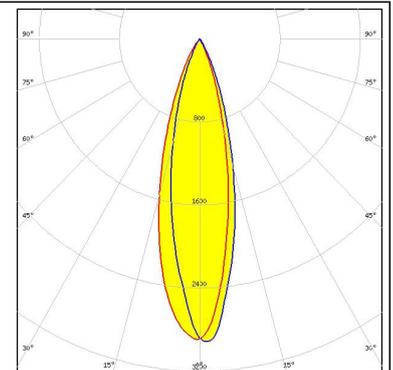
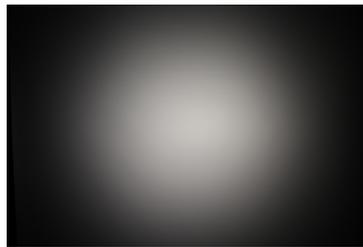
FWHM 26.0°

Efficiency 76 %

Peak intensity 2.930 cd/lm

Required components:

C14446\_FLORENTINA-SHD



#### SAMSUNG

LED LH351B

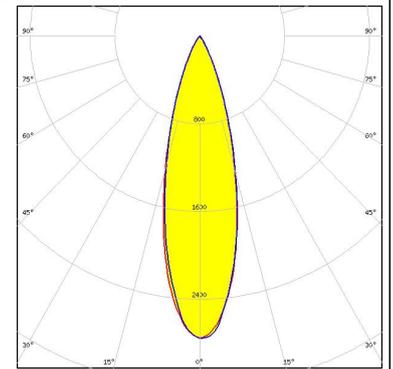
FWHM 28.0°

Efficiency 79 %

Peak intensity 2.770 cd/lm

Required components:

C14446\_FLORENTINA-SHD



#### TOSHIBA

Leading Innovation >>>

LED TL1L4

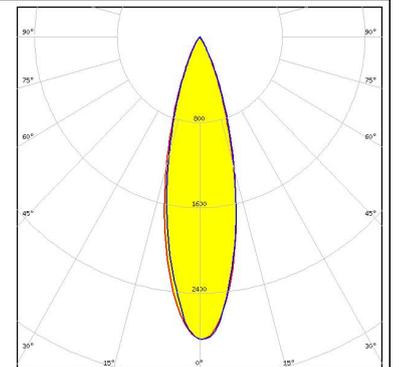
FWHM 27.0°

Efficiency 76 %

Peak intensity 2.840 cd/lm

Required components:

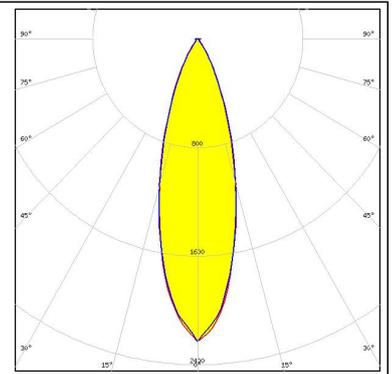
C14446\_FLORENTINA-SHD



#### PHOTOMETRIC DATA (SIMULATED):



LED NWSx229A  
FWHM 30.0°  
Efficiency 82 %  
Peak intensity 2.290 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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