

## FLORENTINA-1-SS

~16° smooth spot beam

### TECHNICAL SPECIFICATIONS:

Dimensions	39.7 mm
Height	13 mm
Fastening	tape
Colour	black
Box size	480 x 280 x 300 mm
Box weight	7.9 kg
Quantity in Box	840 pcs
ROHS compliant	yes ⓘ

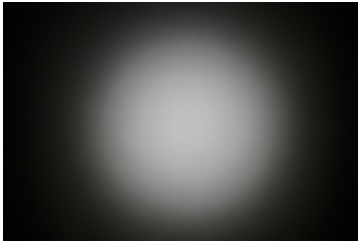
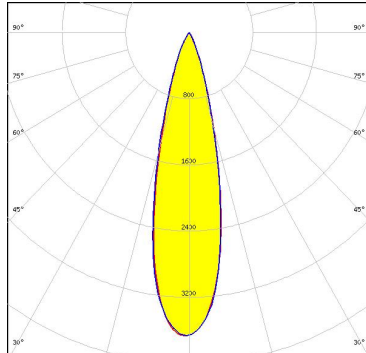
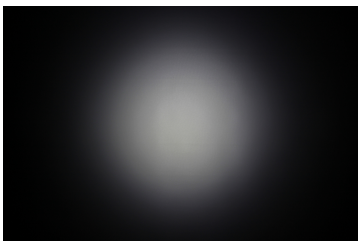
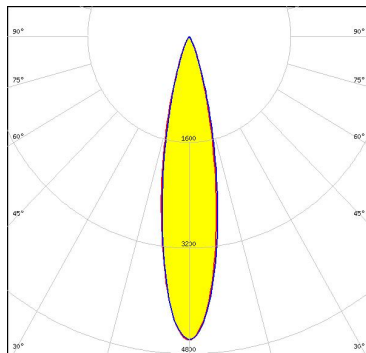

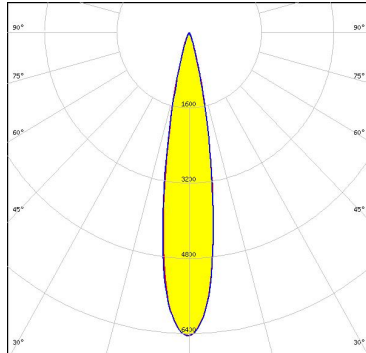

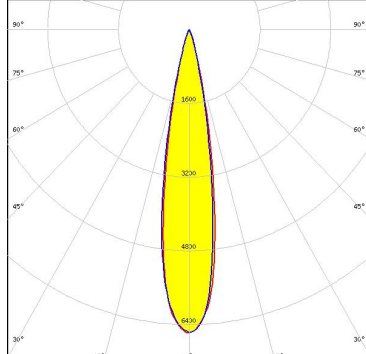


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
ROSE-CMC-SS	Single lens	PC	clear
FLORENTINA-1-HLD	Holder	PC	black
ROSE-TAPE	Tape	PU tape	black



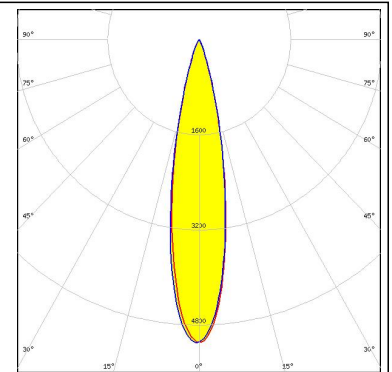
#### PHOTOMETRIC DATA (MEASURED):

<p><b>bridgelux</b></p> <p>LED                    Bridgelux SMD 5050            FWHM                25.0°            Efficiency            82 %            Peak intensity      3.700 cd/lm            LEDs/each optic    1            Light colour        White            Required components:                                  C15427_FLORENTINA-1-SHD-60</p>		
<p><b>CREE</b></p> <p>LED                    XHP35 HD            FWHM                21.0°            Efficiency            80 %            Peak intensity      4.600 cd/lm            LEDs/each optic    1            Light colour        White            Required components:                                  C15427_FLORENTINA-1-SHD-60</p>		
<p><b>CREE</b></p> <p>LED                    XHP35 HI            FWHM                19.0°            Efficiency            80 %            Peak intensity      6.500 cd/lm            LEDs/each optic    1            Light colour        White            Required components:                                  C15427_FLORENTINA-1-SHD-60</p>		
<p><b>CREE</b></p> <p>LED                    XP-G2            FWHM                19.0°            Efficiency            80 %            Peak intensity      6.600 cd/lm            LEDs/each optic    1            Light colour        White            Required components:                                  C15427_FLORENTINA-1-SHD-60</p>		

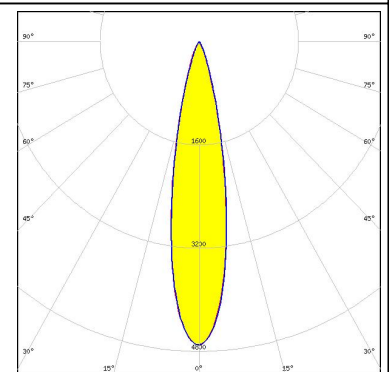
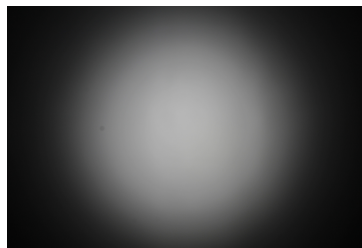
#### PHOTOMETRIC DATA (MEASURED):



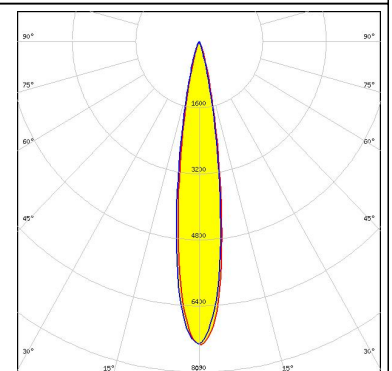
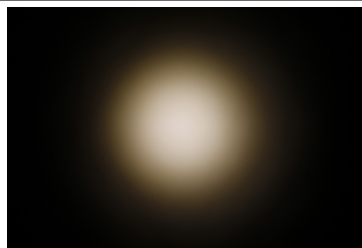
LED XP-L HD  
 FWHM 21.0°  
 Efficiency 79 %  
 Peak intensity 5.100 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



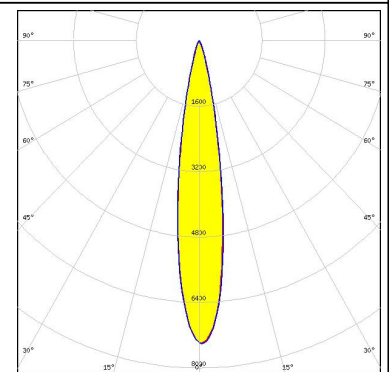
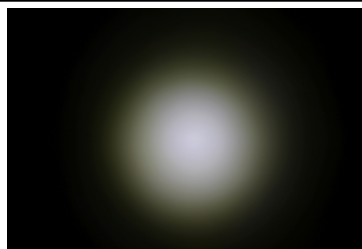
LED XP-L2  
 FWHM 21.0°  
 Efficiency 78 %  
 Peak intensity 4.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED XT-E  
 FWHM 17.0°  
 Efficiency 78 %  
 Peak intensity 7.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED LG 5630  
 FWHM 17.0°  
 Efficiency 85 %  
 Peak intensity 7.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16701\_FLORENTINA-1-SHD-60-WHT



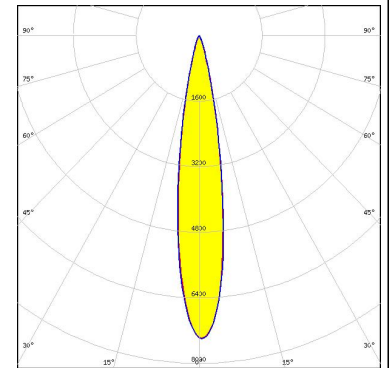
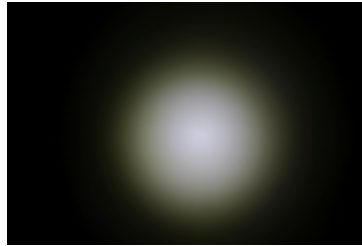


#### PHOTOMETRIC DATA (MEASURED):

##### LG Innotek

LED LG 5630  
 FWHM 17.0°  
 Efficiency 84 %  
 Peak intensity 7.500 cd/lm  
 LEDs/each optic 1  
 Light colour White

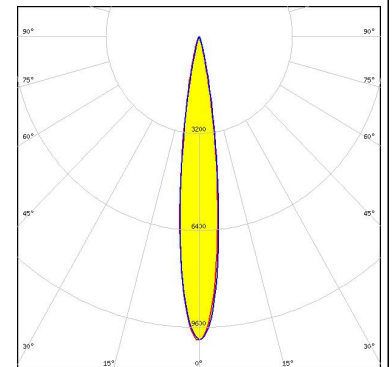
Required components:  
 C15427\_FLORENTINA-1-SHD-60



##### LUMILEDS

LED LUXEON 3030 2D (Round LES)  
 FWHM 15.0°  
 Efficiency 82 %  
 Peak intensity 10.000 cd/lm  
 LEDs/each optic 1  
 Light colour White

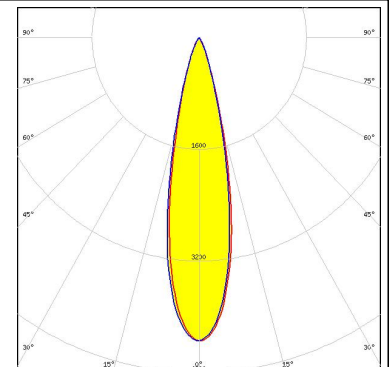
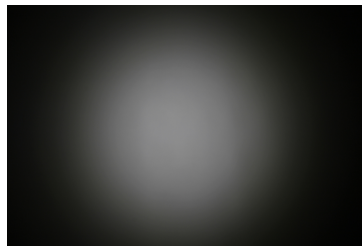
Required components:



##### LUMILEDS

LED LUXEON 5050 Round LES  
 FWHM 23.0°  
 Efficiency 83 %  
 Peak intensity 4.400 cd/lm  
 LEDs/each optic 1  
 Light colour White

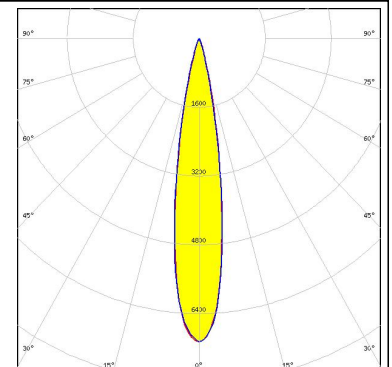
Required components:  
 C15427\_FLORENTINA-1-SHD-60



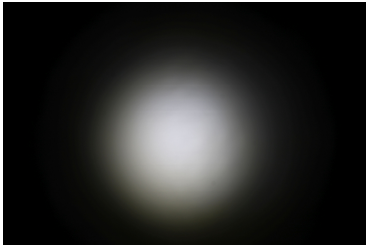
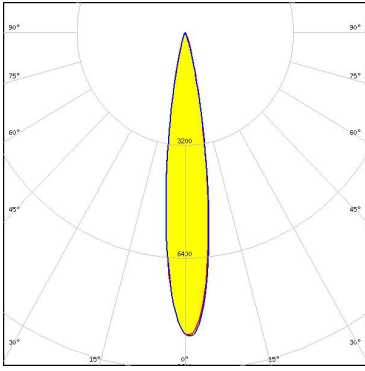

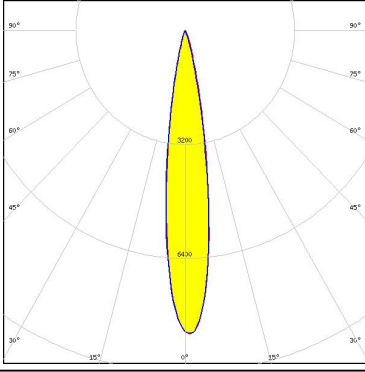

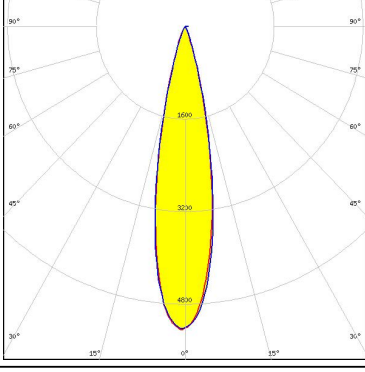
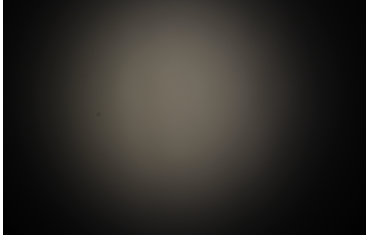
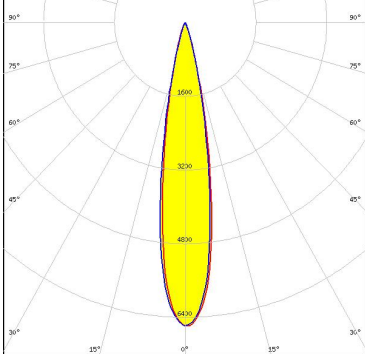
##### LUMILEDS

LED LUXEON TX  
 FWHM 18.0°  
 Efficiency 80 %  
 Peak intensity 7.100 cd/lm  
 LEDs/each optic 1  
 Light colour White

Required components:  
 C15427\_FLORENTINA-1-SHD-60



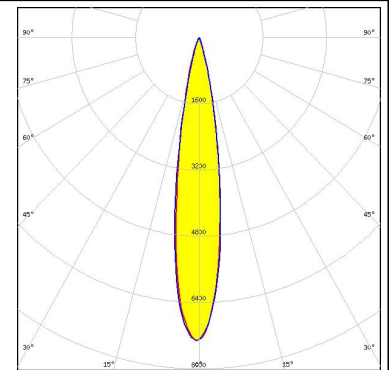
#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NF2x757G            FWHM 16.0°            Efficiency 85 %            Peak intensity 8.700 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C16701_FLORENTINA-1-SHD-60-WHT</p>		
<p><b>NICHIA</b></p> <p>LED NF2x757G            FWHM 16.0°            Efficiency 84 %            Peak intensity 8.600 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM 22.0°            Efficiency 84 %            Peak intensity 5.250 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM 19.0°            Efficiency 81 %            Peak intensity 6.600 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		

#### PHOTOMETRIC DATA (MEASURED):

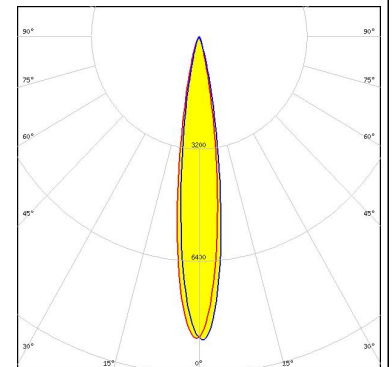
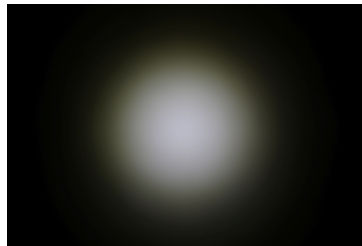
#### OSRAM

Opto Semiconductors  
 LED OSLON Square EC  
 FWHM 17.0°  
 Efficiency 81 %  
 Peak intensity 7.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



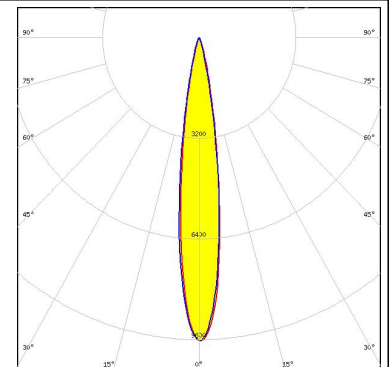
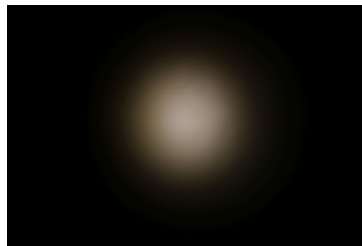
#### SAMSUNG

LED LM561B  
 FWHM 15.0°  
 Efficiency 84 %  
 Peak intensity 8.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



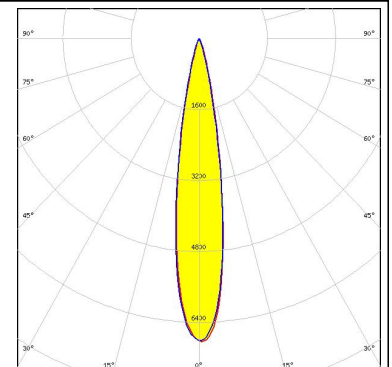
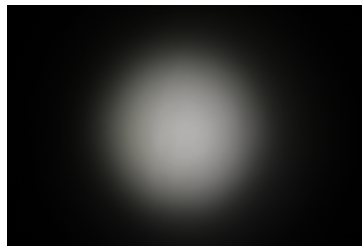
SEOUL SEMICONDUCTOR

LED SEOUL 5630  
 FWHM 15.0°  
 Efficiency 86 %  
 Peak intensity 9.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

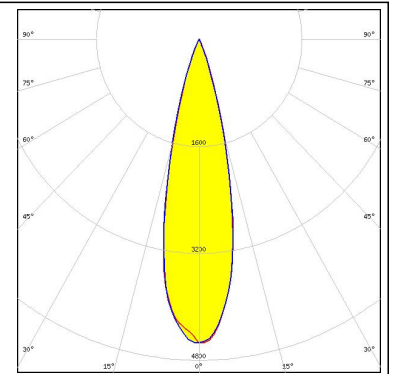
LED Z8Y22P  
 FWHM 18.0°  
 Efficiency 77 %  
 Peak intensity 6.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



#### PHOTOMETRIC DATA (SIMULATED):



LED XP-G2 HE  
FWHM 25.0°  
Efficiency 90 %  
Peak intensity 4.605 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



#### 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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