

## FLORENTINA-1-SS

~16° smooth spot beam

## SPECIFICATION:

Dimensions	39.7 x 39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes ⓘ

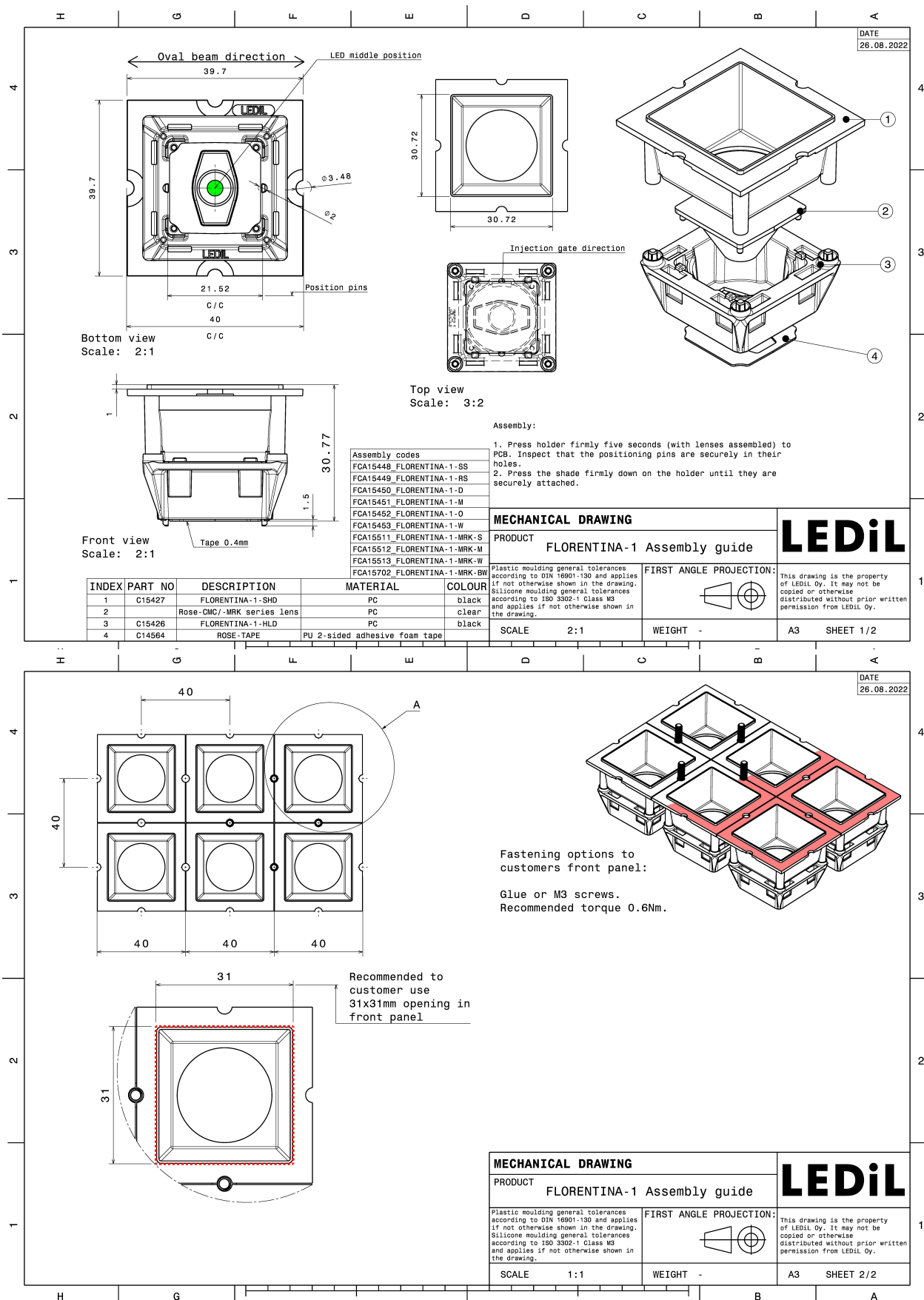
## MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-CMC-SS	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	Acrylic foam	black	

## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15448_FLORENTINA-1-SS	Single lens	840		60	7.9
» Box size: 480 x 280 x 300 mm					



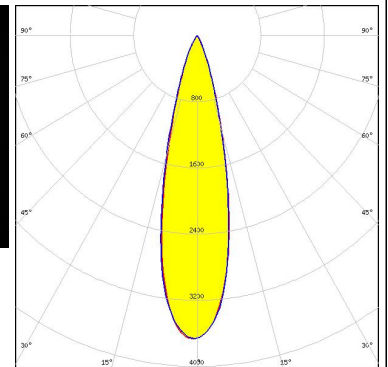
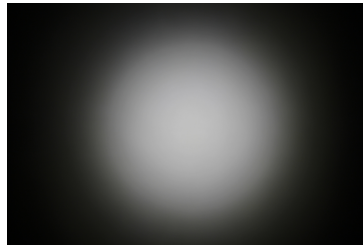


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

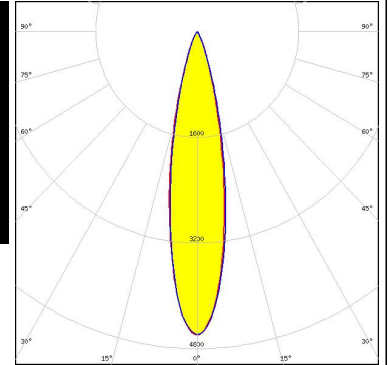
#### OPTICAL RESULTS (MEASURED):



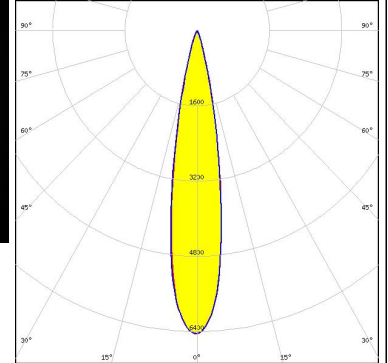
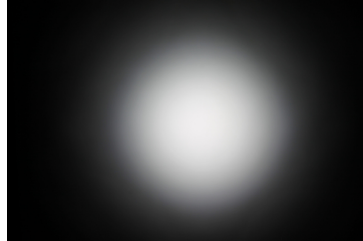
LED Bridgelux SMD 5050  
 FWHM / FWTM 25.0° / 46.0°  
 Efficiency 82 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



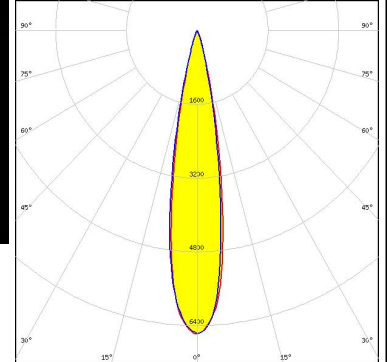
LED XHP35 HD  
 FWHM / FWTM 21.0° / 42.0°  
 Efficiency 80 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED XHP35 HI  
 FWHM / FWTM 19.0° / 33.0°  
 Efficiency 80 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



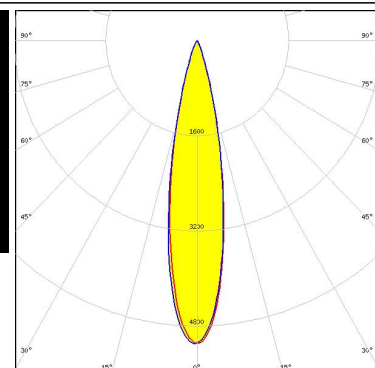
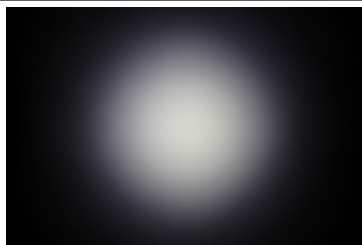
LED XP-G2  
 FWHM / FWTM 19.0° / 33.0°  
 Efficiency 80 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



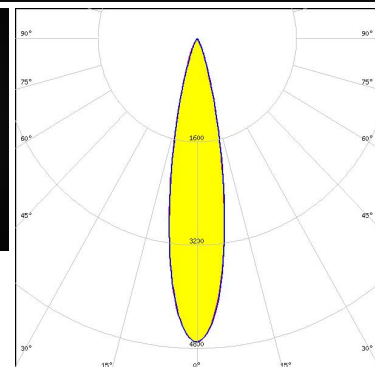
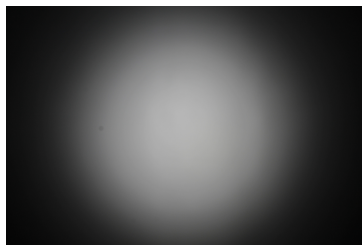
#### OPTICAL RESULTS (MEASURED):



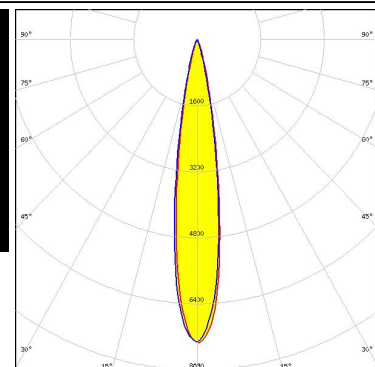
LED XP-L HD  
 FWHM / FWTM 21.0° / 38.0°  
 Efficiency 79 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



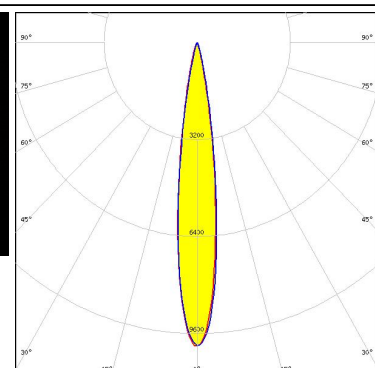
LED XP-L2  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 78 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED XT-E  
 FWHM / FWTM 17.0° / 31.0°  
 Efficiency 78 %  
 Peak intensity 7.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



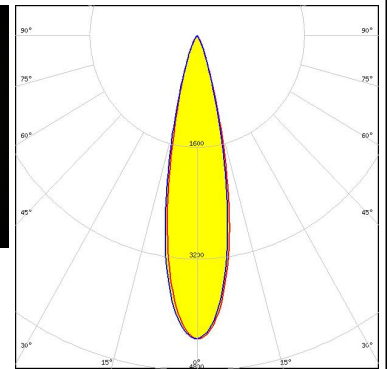
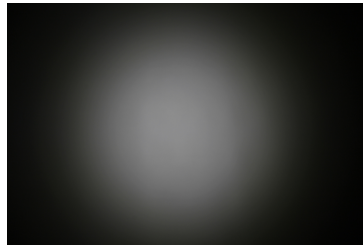
LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 15.0° / 27.0°  
 Efficiency 82 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



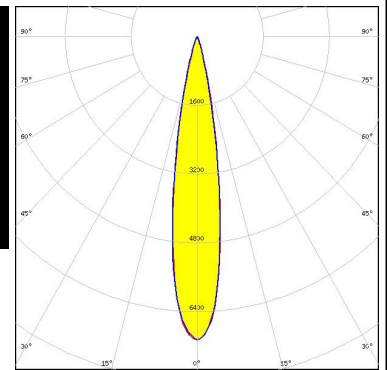
#### OPTICAL RESULTS (MEASURED):



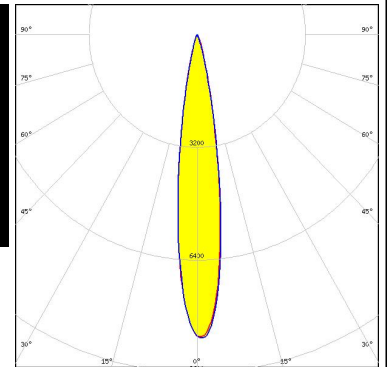
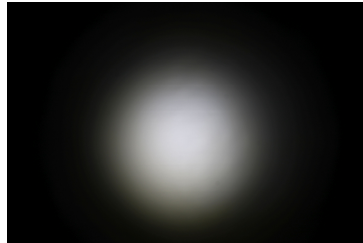
LED LUXEON 5050 Round LES  
 FWHM / FWTM 23.0° / 42.0°  
 Efficiency 83 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



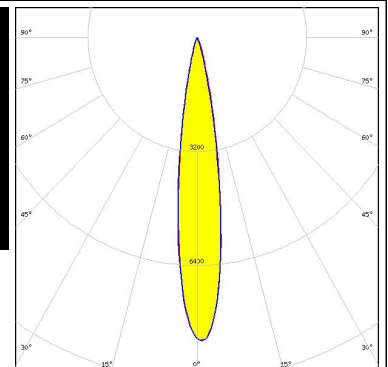
LED LUXEON TX  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 80 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED NF2x757G  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 85 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16701\_FLORENTINA-1-SHD-60-WHT



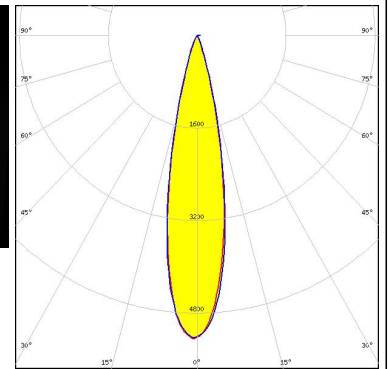
LED NF2x757G  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 84 %  
 Peak intensity 8.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



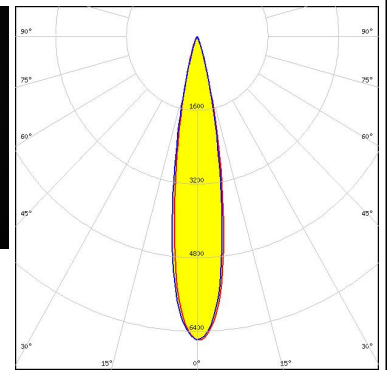
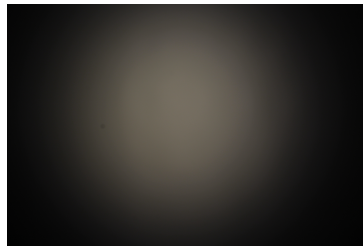
#### OPTICAL RESULTS (MEASURED):



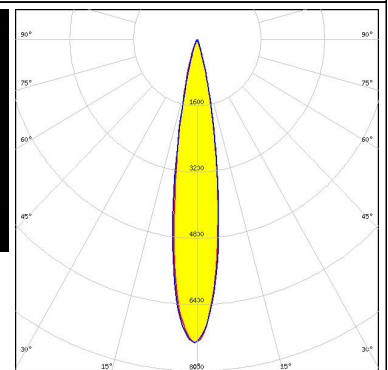
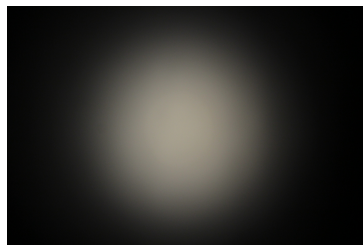
LED NVSW319B  
FWHM / FWTM 22.0° / 37.0°  
Efficiency 84 %  
Peak intensity 5.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



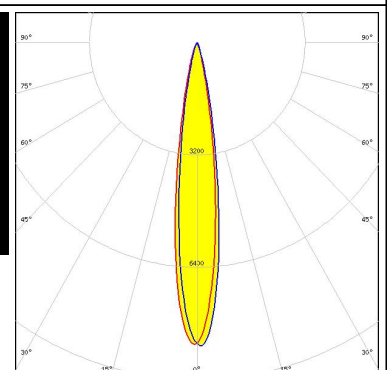
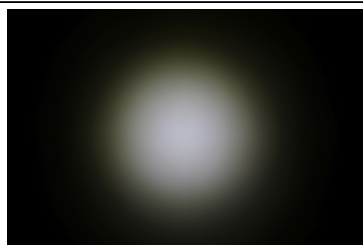
LED NVSxx19B/NVSxx19C  
FWHM / FWTM 19.0° / 33.0°  
Efficiency 81 %  
Peak intensity 6.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60




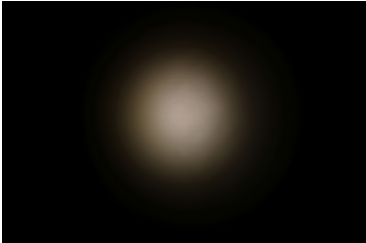
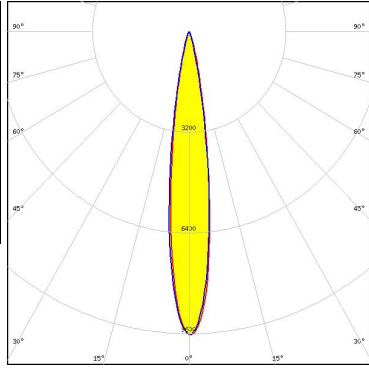

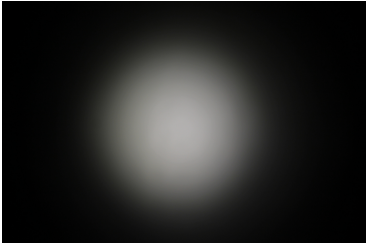
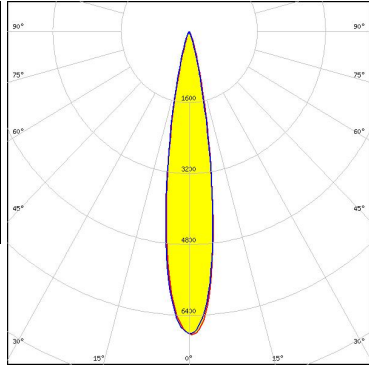
LED OSLON Square EC  
FWHM / FWTM 17.0° / 33.0°  
Efficiency 81 %  
Peak intensity 7.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



LED LM561B  
FWHM / FWTM 15.0° / 30.0°  
Efficiency 84 %  
Peak intensity 8.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



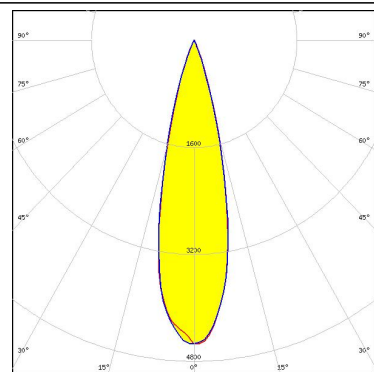
### OPTICAL RESULTS (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED                      SEOUL 5630</p> <p>FWHM / FWTM        15.0° / 29.0°</p> <p>Efficiency              86 %</p> <p>Peak intensity        9.7 cd/lm</p> <p>LEDs/each optic     1</p> <p>Light colour          White</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED                      Z8Y22P</p> <p>FWHM / FWTM        18.0° / 32.0°</p> <p>Efficiency              77 %</p> <p>Peak intensity        6.8 cd/lm</p> <p>LEDs/each optic     1</p> <p>Light colour          White</p> <p>Required components:</p> <p>                         C15427_FLORENTINA-1-SHD-60</p>		

### OPTICAL RESULTS (SIMULATED):



LED XP-G2 HE  
 FWHM / FWTM 25.0° / 42.0°  
 Efficiency 90 %  
 Peak intensity 4.6 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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