

## FLORENTINA-1-O

~45° + 15° oval beam

### SPECIFICATION:

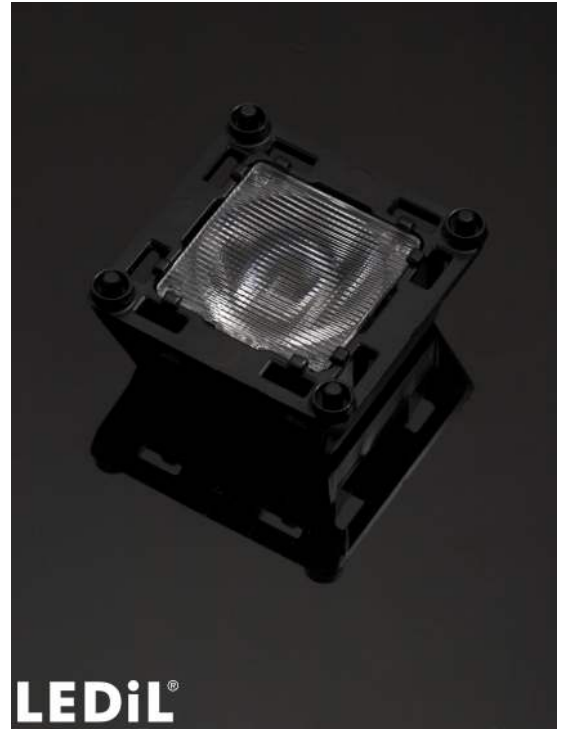
Dimensions	39.7 x 39.7 mm
Height	13 mm
Fastening	tape
ROHS compliant	yes ⓘ

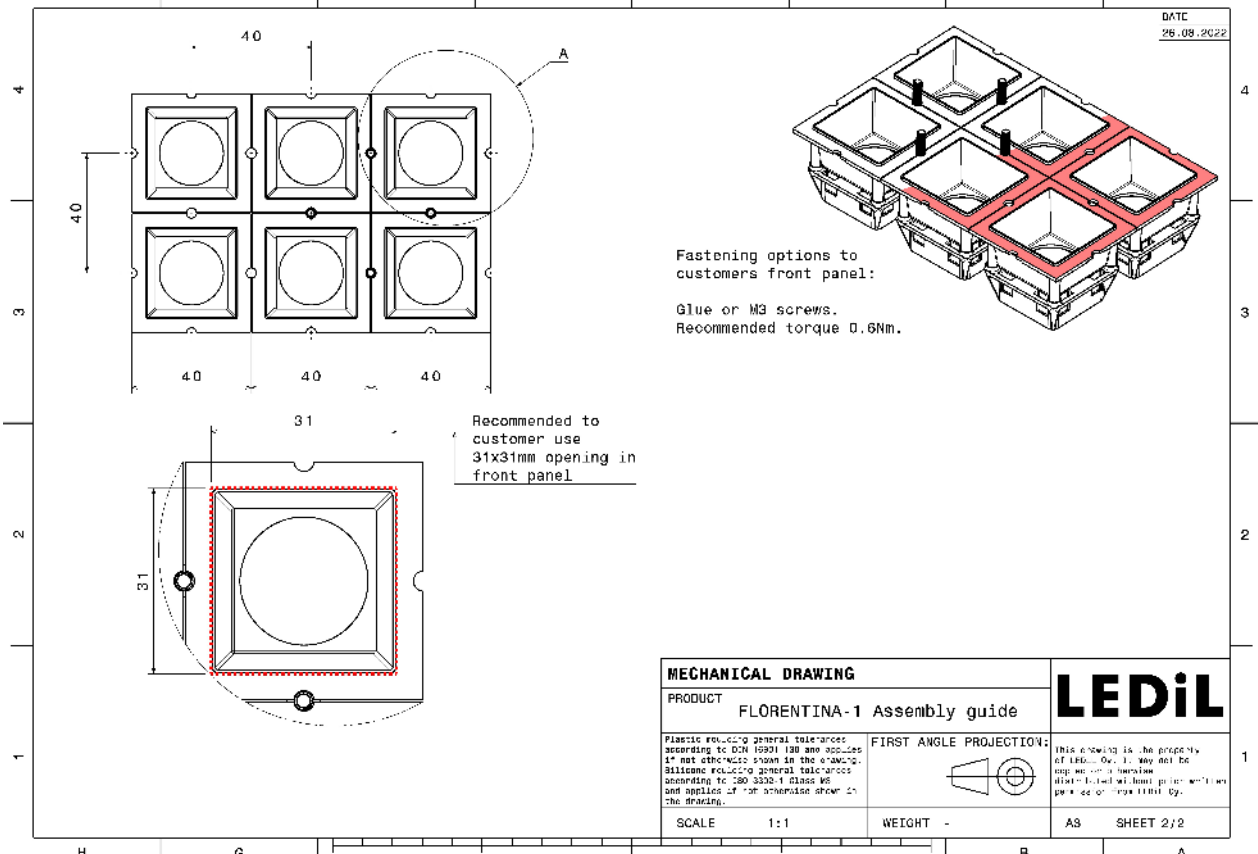
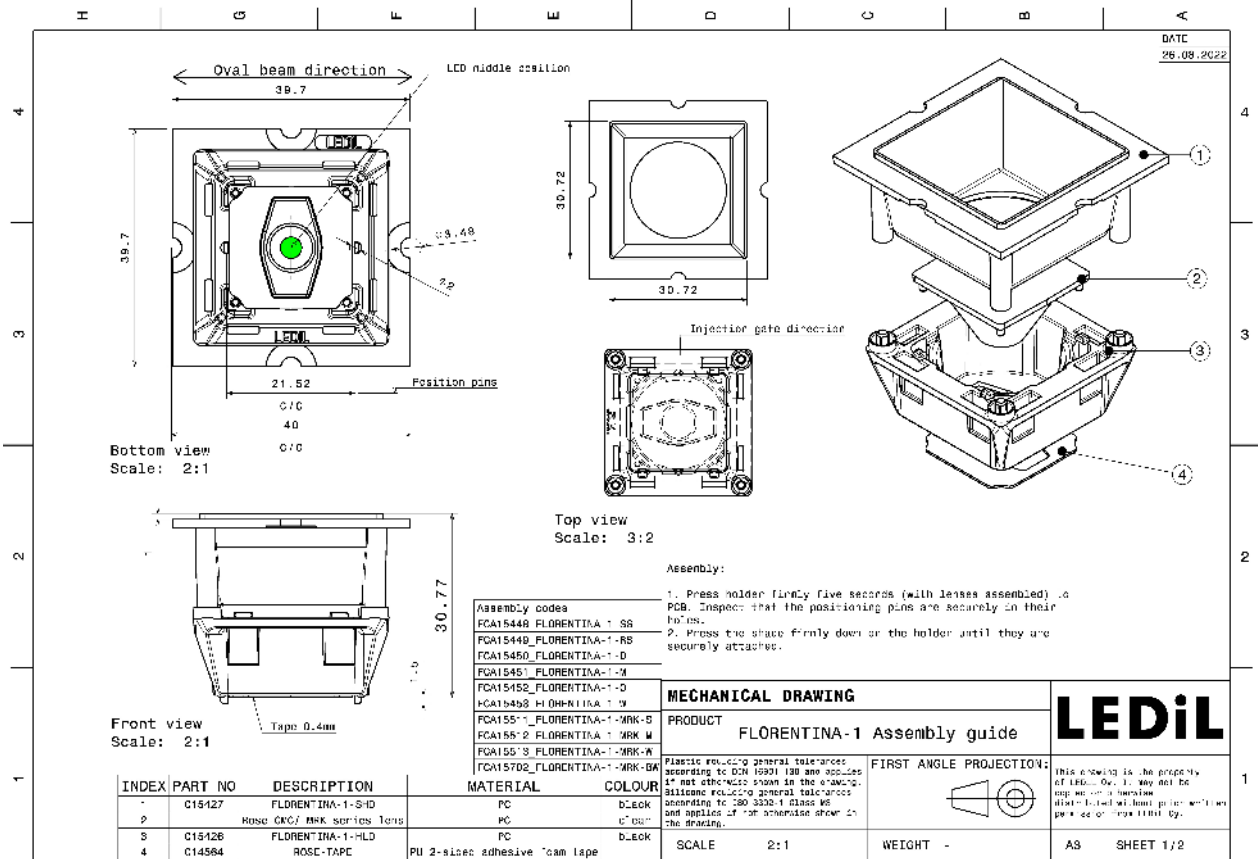
### MATERIALS:

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

### ORDERING INFORMATION:


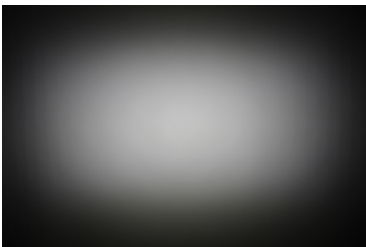
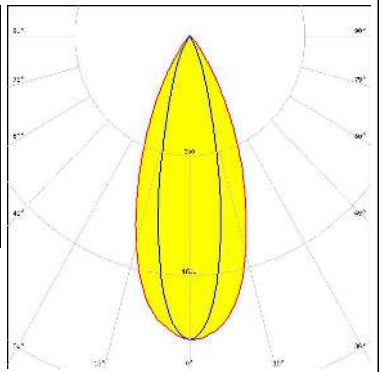


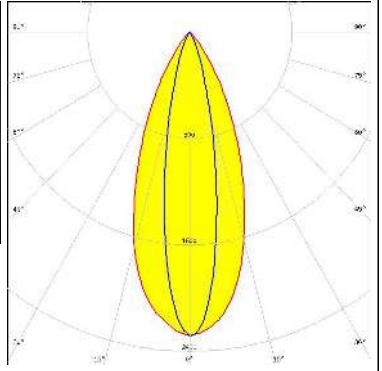

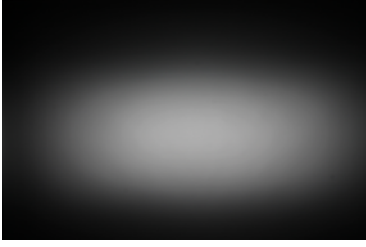
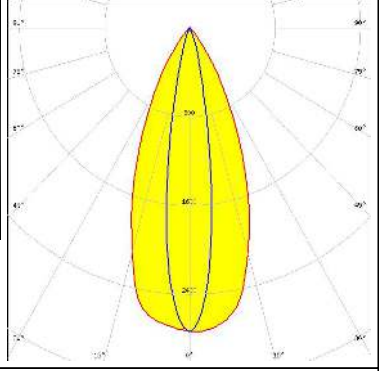

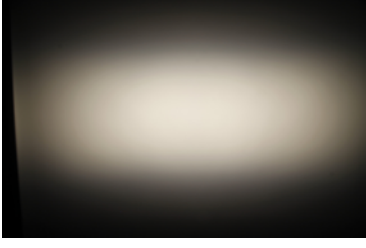
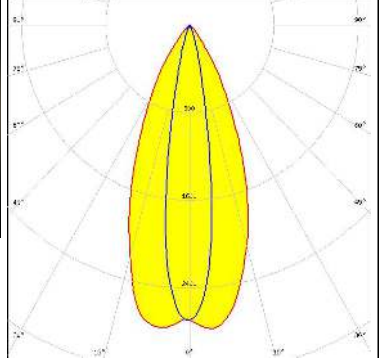
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FCA15452_FLORENTINA-1-O	Single lens	840		60	7.9
» Box size: 480 x 280 x 300 mm					





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

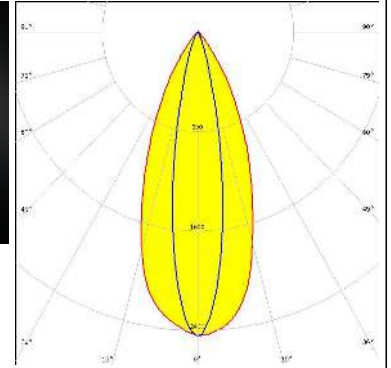
#### OPTICAL RESULTS (MEASURED):

<p> <b>bridgelux</b></p> <p>LED                    Bridgelux SMD 5050</p> <p>FWHM / FWTM      42.0 + 24.0° / 70.0 + 47.0°</p> <p>Efficiency            71 %</p> <p>Peak intensity      2 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>		
<p> <b>CREE LED</b></p> <p>LED                    XHP35 HD</p> <p>FWHM / FWTM      42.0 + 21.0° / 72.0 + 42.0°</p> <p>Efficiency            71 %</p> <p>Peak intensity      2.3 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>		
<p> <b>CREE LED</b></p> <p>LED                    XHP35 HI</p> <p>FWHM / FWTM      28.0° / 49.0°</p> <p>Efficiency            72 %</p> <p>Peak intensity      2.7 cd/lm</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p>		
<p> <b>CREE LED</b></p> <p>LED                    XP-G2</p> <p>FWHM / FWTM      44.0 + 18.0° / 72.0 + 33.0°</p> <p>Efficiency            73 %</p> <p>Peak intensity      2.8 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 (MEASURED):

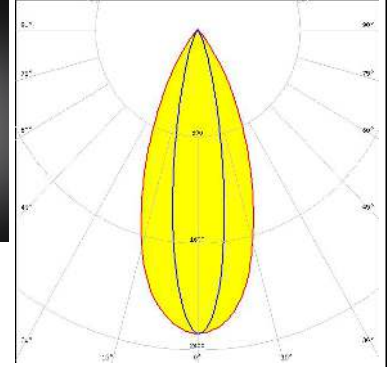
##### CREE LED

LED XP-L HD  
 FWHM / FWTM 43.0 + 19.0° / 72.0 + 38.0°  
 Efficiency 71 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



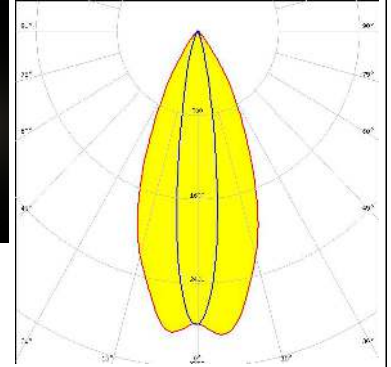
##### CREE LED

LED XP-L2  
 FWHM / FWTM 43.0 + 20.0° / 72.0 + 41.0°  
 Efficiency 69 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



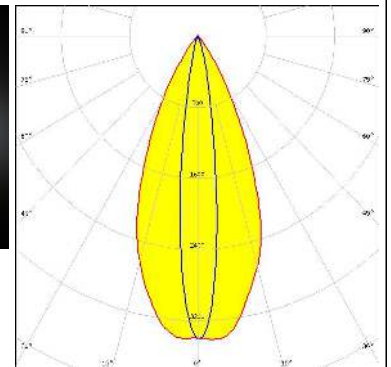
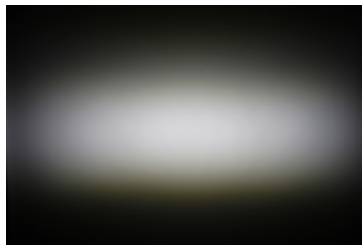
##### CREE LED

LED XT-E  
 FWHM / FWTM 44.0 + 16.0° / 71.0 + 33.0°  
 Efficiency 71 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60

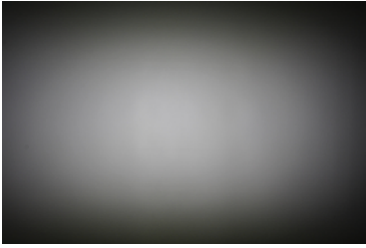
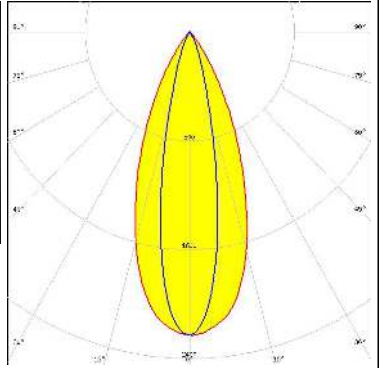

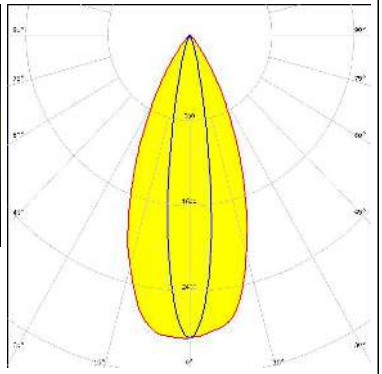
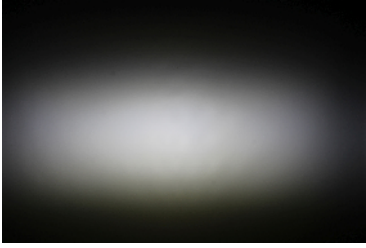
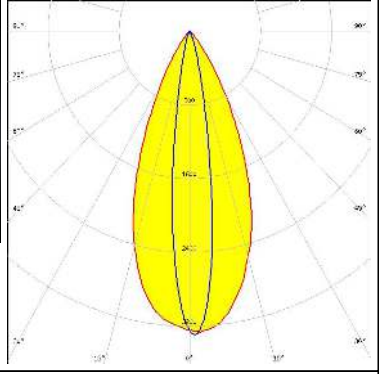
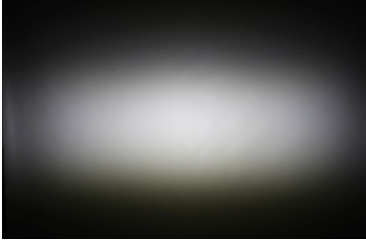
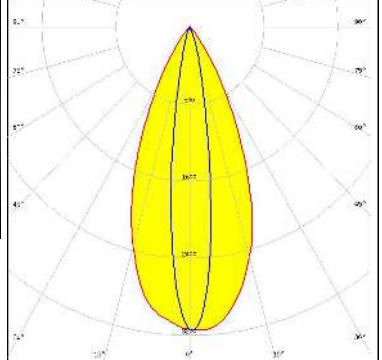


##### LUMILEDS

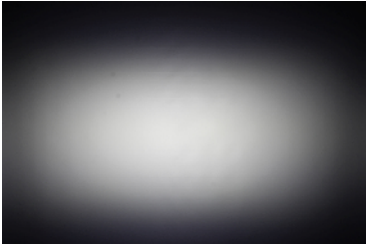
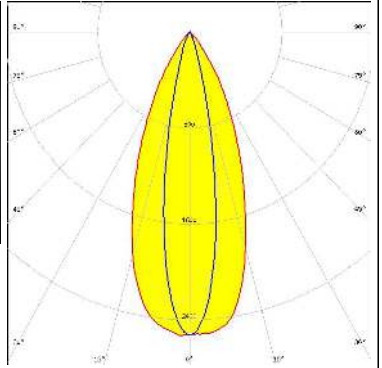
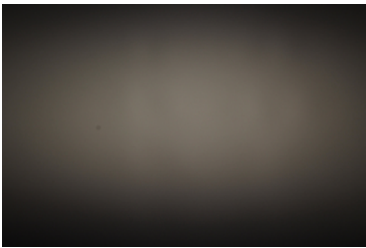
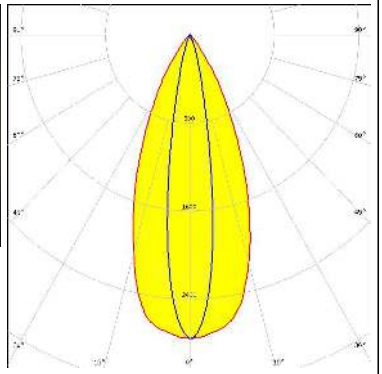

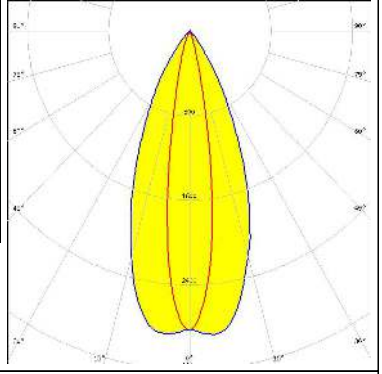
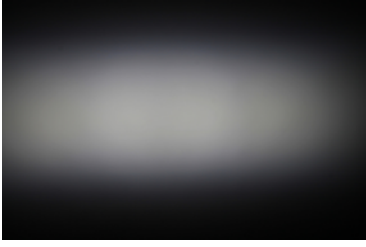
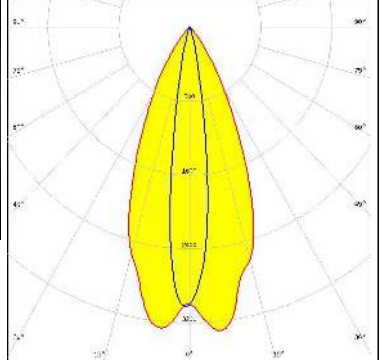
LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 45.0 + 14.0° / 70.0 + 28.0°  
 Efficiency 75 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 42.0 + 22.0° / 70.0 + 42.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON TX</p> <p>FWHM / FWTM 44.0 + 17.0° / 71.0 + 33.0°</p> <p>Efficiency 72 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p><b>NICHIA</b></p> <p>LED NF2x757G</p> <p>FWHM / FWTM 44.0 + 15.0° / 70.0 + 29.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 3.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C15427_FLORENTINA-1-SHD-60</p>		
<p><b>NICHIA</b></p> <p>LED NF2x757G</p> <p>FWHM / FWTM 45.0 + 15.0° / 70.0 + 31.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16701_FLORENTINA-1-SHD-60-WHT</p>		

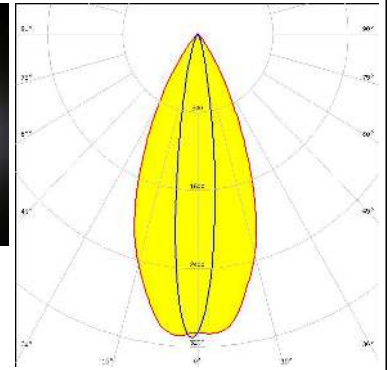
#### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM / FWTM 43.0 + 20.0° / 72.0 + 36.0°            Efficiency 74 %            Peak intensity 2.5 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 / FWTM 44.0 + 17.0° / 71.0 + 33.0°            Efficiency 72 %            Peak intensity 2.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM Square CSSRM2/CSSRM3            FWHM / FWTM 44.0 + 17.0° / 72.0 + 32.0°            Efficiency 74 %            Peak intensity 2.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLOM SSL 150            FWHM / FWTM 45.0 + 15.0° / 72.0 + 27.0°            Efficiency 72 %            Peak intensity 3.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:            C15427_FLORENTINA-1-SHD-60</p>		

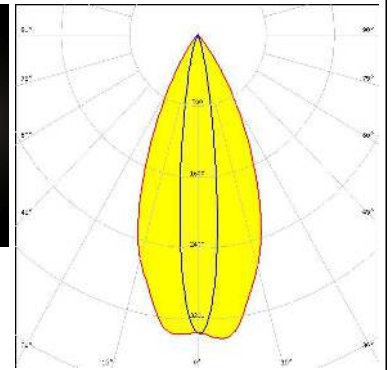
#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

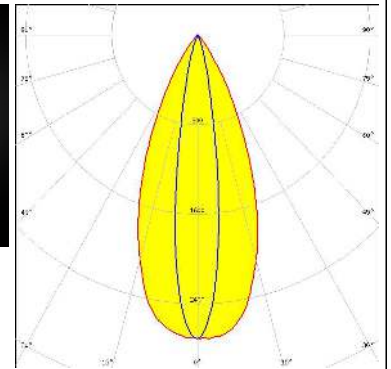
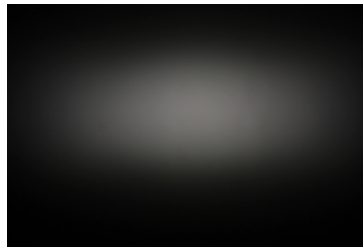
LED LM561B  
 FWHM / FWTM 45.0 + 15.0° / 70.0 + 32.0°  
 Efficiency 75 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED SEOUL 5630  
 FWHM / FWTM 45.0 + 15.0° / 70.0 + 30.0°  
 Efficiency 77 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



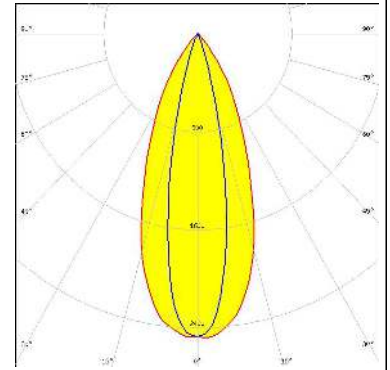
LED Z8Y22P  
 FWHM / FWTM 44.0 + 17.0° / 70.0 + 32.0°  
 Efficiency 69 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



#### OPTICAL RESULTS (SIMULATED):

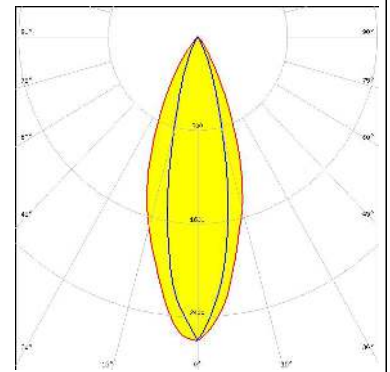
##### CREE LED

LED XP-G2 HE  
FWHM / FWTM 42.0 + 22.0° / 75.0 + 38.0°  
Efficiency 82 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



##### LUMILEDS

LED LUXEON C  
FWHM / FWTM 38.0 + 24.0° / 66.0 + 47.0°  
Efficiency 81 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 4  
Light colour RGBW  
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:

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:

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