

## FLORENTINA-1-MRK-M

~40° medium beam. Compatible with ultra high power LEDs.

### SPECIFICATION:

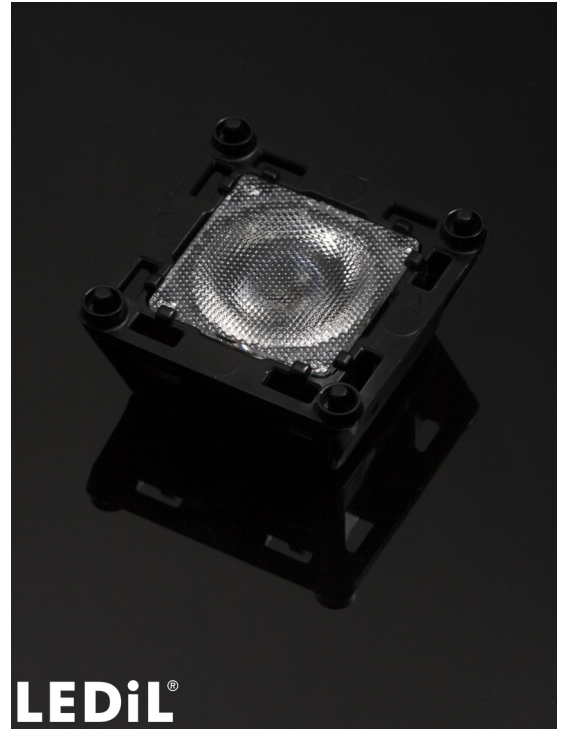
|                |                |
|----------------|----------------|
| Dimensions     | 39.7 x 39.7 mm |
| Height         | 13 mm          |
| Fastening      | pin            |
| ROHS compliant | yes ⓘ          |

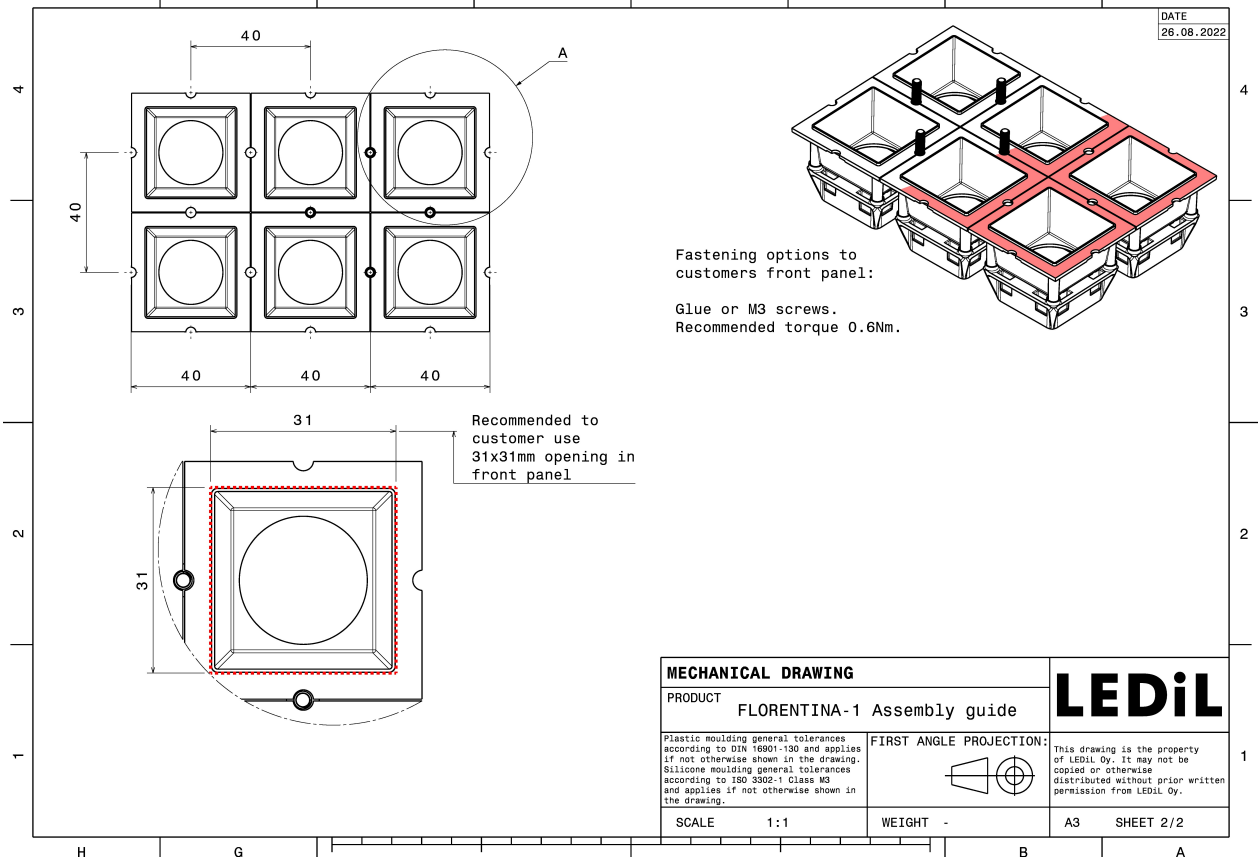
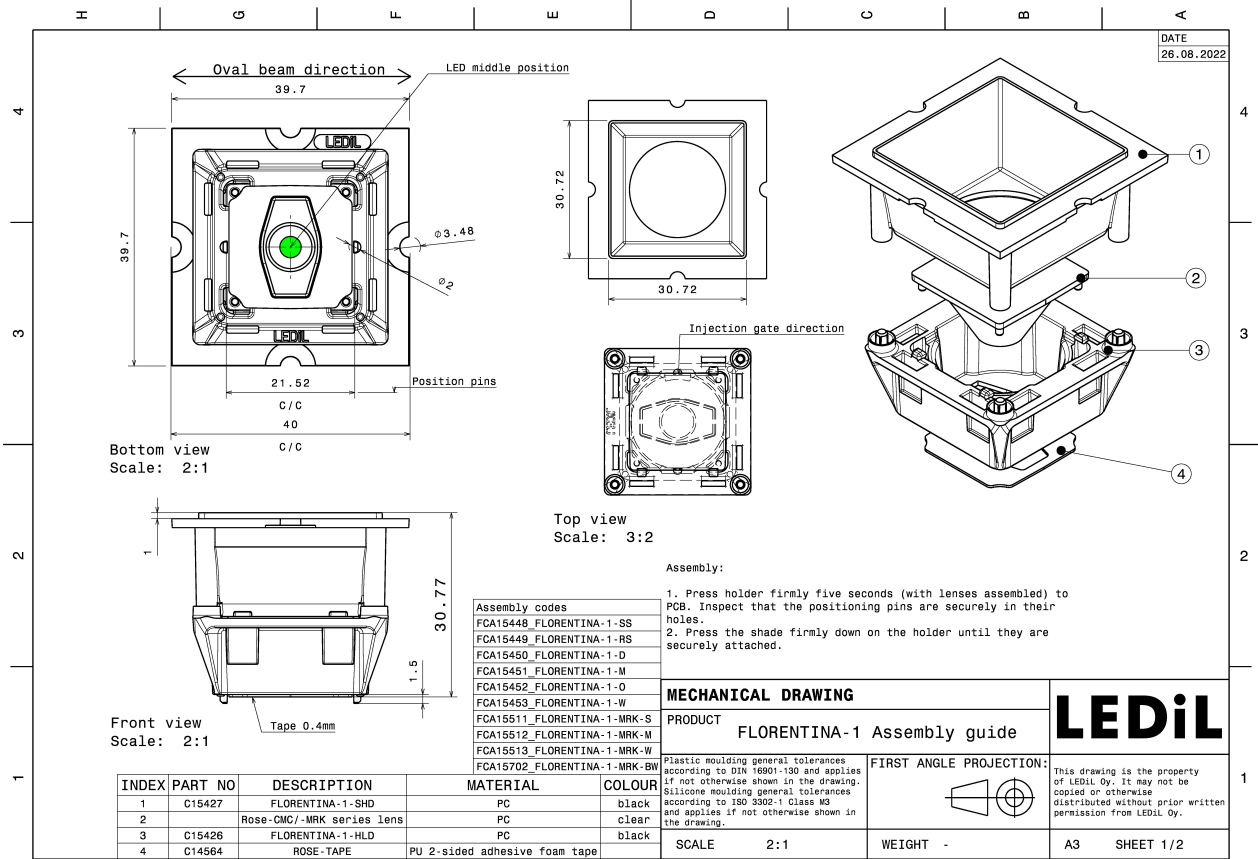
### MATERIALS:

| Component        | Type        | Material     | Colour | Finish |
|------------------|-------------|--------------|--------|--------|
| ROSE-MRK-M       | 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) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| FCA15512_FLORENTINA-1-MRK-M    | Single lens | 840        |     | 60  | 7.7             |
| » Box size: 480 x 280 x 300 mm |             |            |     |     |                 |



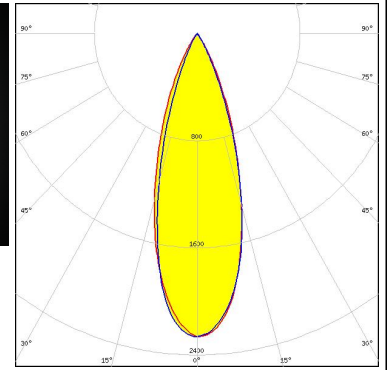
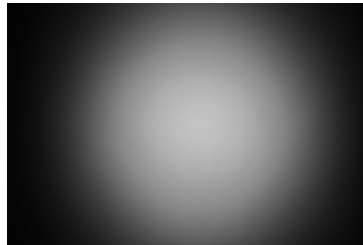


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

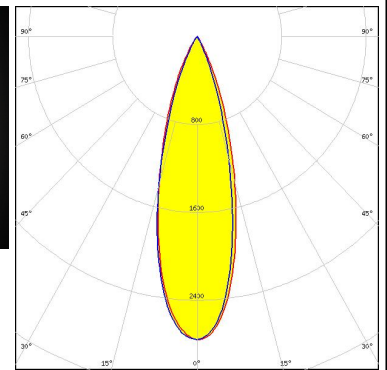
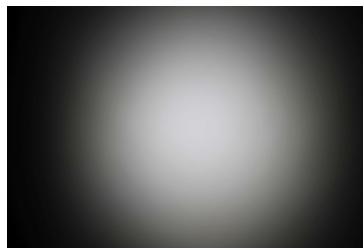
#### OPTICAL RESULTS (MEASURED):



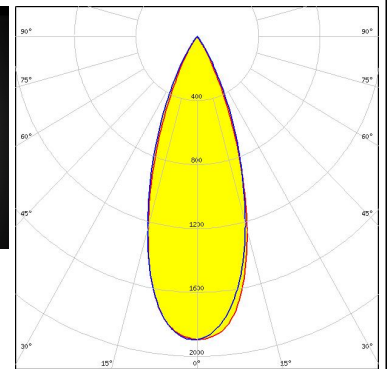
LED XHP35 HI  
 FWHM / FWTM 33.0° / 57.0°  
 Efficiency 77 %  
 Peak intensity 2.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



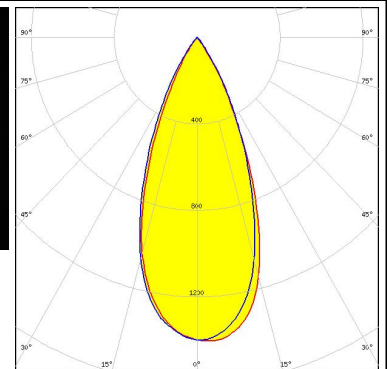
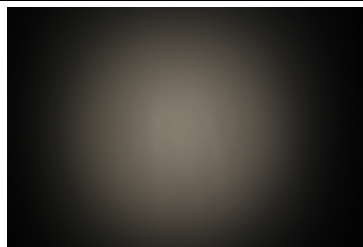
LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 29.0° / 53.0°  
 Efficiency 79 %  
 Peak intensity 2.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 5050 Round LES  
 FWHM / FWTM 37.0° / 61.0°  
 Efficiency 78 %  
 Peak intensity 1.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



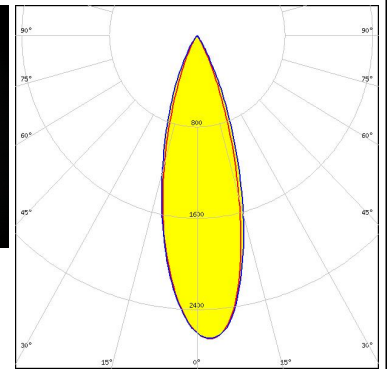
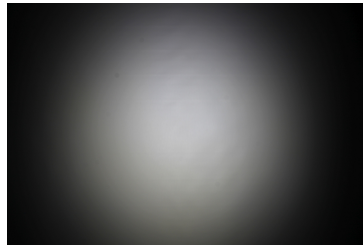
LED LUXEON M/MX  
 FWHM / FWTM 42.0° / 65.0°  
 Efficiency 75 %  
 Peak intensity 1.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



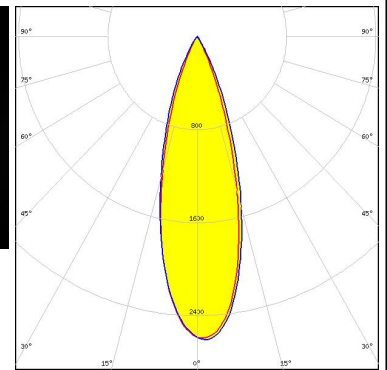
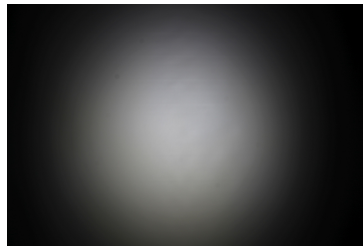
#### OPTICAL RESULTS (MEASURED):



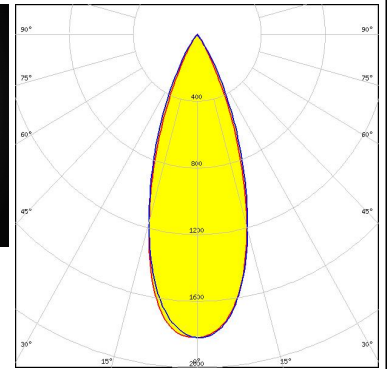
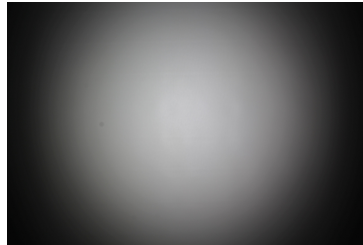
LED NF2x757G  
 FWHM / FWTM 30.0° / 54.0°  
 Efficiency 81 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



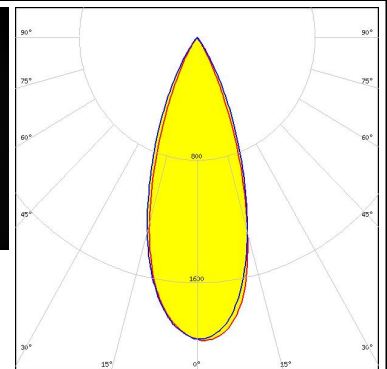
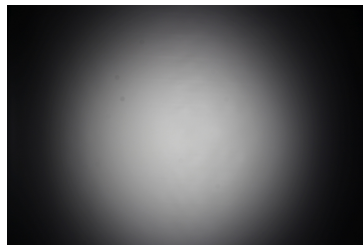
LED NF2x757G  
 FWHM / FWTM 31.0° / 54.0°  
 Efficiency 80 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C16701\_FLORENTINA-1-SHD-60-WHT



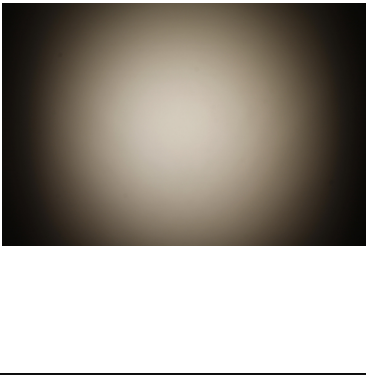
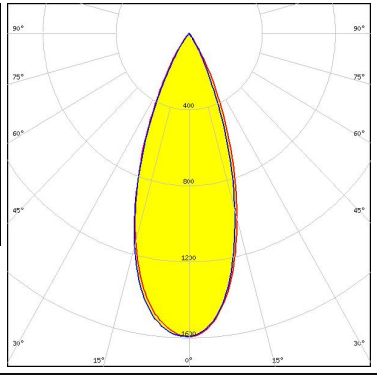

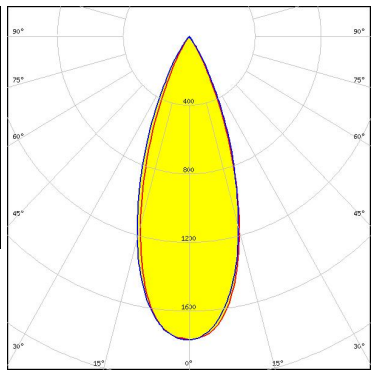

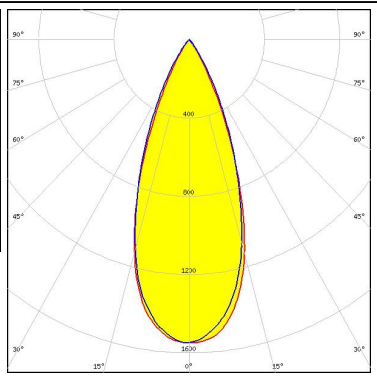
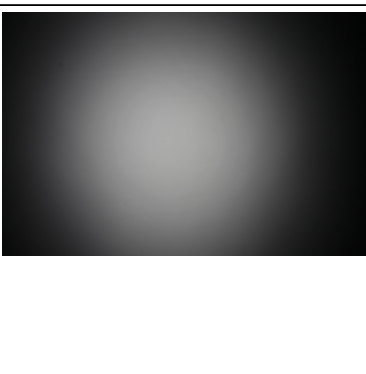
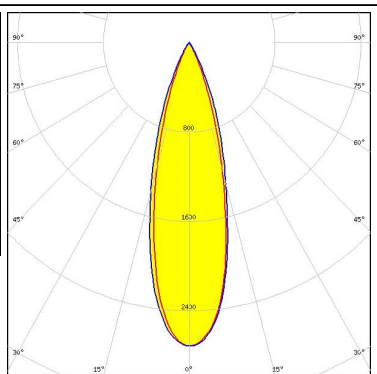
LED NFMW48xA  
 FWHM / FWTM 37.0° / 61.0°  
 Efficiency 75 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



LED NVSW319B  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 75 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



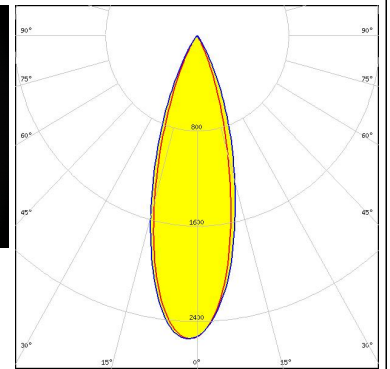
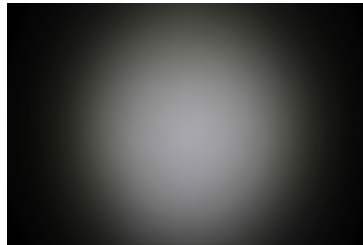
#### OPTICAL RESULTS (MEASURED):

|  |  |   |
|--|--|---|
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED Duris S10</p> <p>FWHM / FWTM 38.0° / 62.0°</p> <p>Efficiency 70 %</p> <p>Peak intensity 1.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:<br/>C15427_FLORENTINA-1-SHD-60</p>      |    |    |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED Duris S8</p> <p>FWHM / FWTM 38.0° / 61.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.8 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:<br/>C15427_FLORENTINA-1-SHD-60</p>       |   |   |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSCONIQ P 7070</p> <p>FWHM / FWTM 40.0° / 62.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 1.6 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:<br/>C15427_FLORENTINA-1-SHD-60</p> |  |  |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 27.0° / 49.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 2.7 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:<br/>C15427_FLORENTINA-1-SHD-60</p>  |  |  |

#### OPTICAL RESULTS (MEASURED):

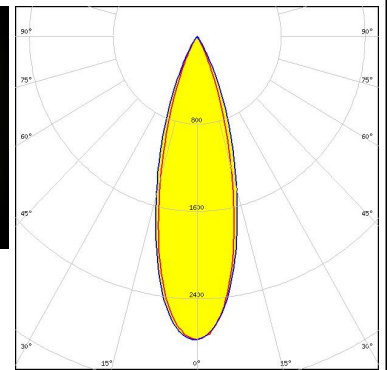
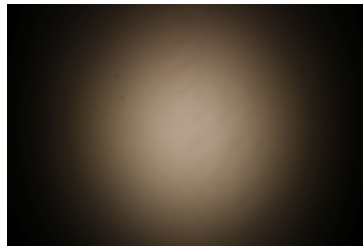
#### SAMSUNG

LED LM561B  
 FWHM / FWTM 31.0° / 55.0°  
 Efficiency 80 %  
 Peak intensity 2.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



SEOUL SEMICONDUCTOR

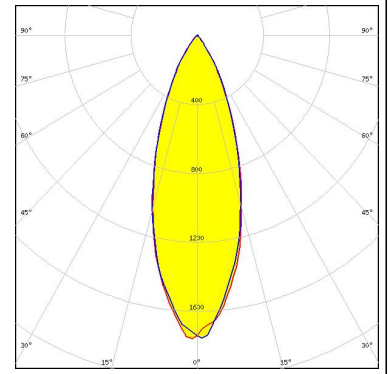
LED SEOUL 5630  
 FWHM / FWTM 30.0° / 54.0°  
 Efficiency 83 %  
 Peak intensity 2.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

|                      |                            |
|----------------------|----------------------------|
| LED                  | LH351B                     |
| FWHM / FWTM          | 35.0° / 68.0°              |
| Efficiency           | 77 %                       |
| Peak intensity       | 1.8 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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