

## FLORENTINA-1-SS

~16° smooth spot beam

### SPECIFICATION:

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

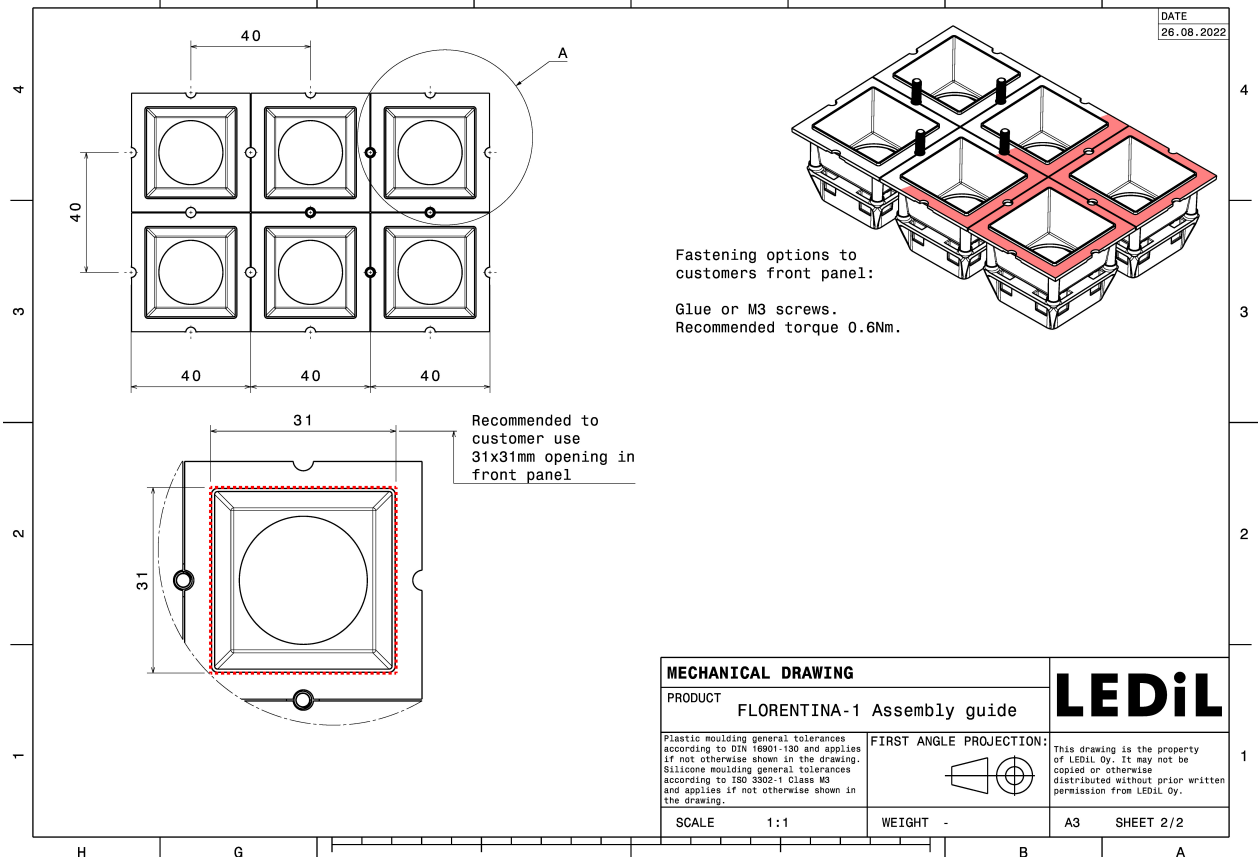
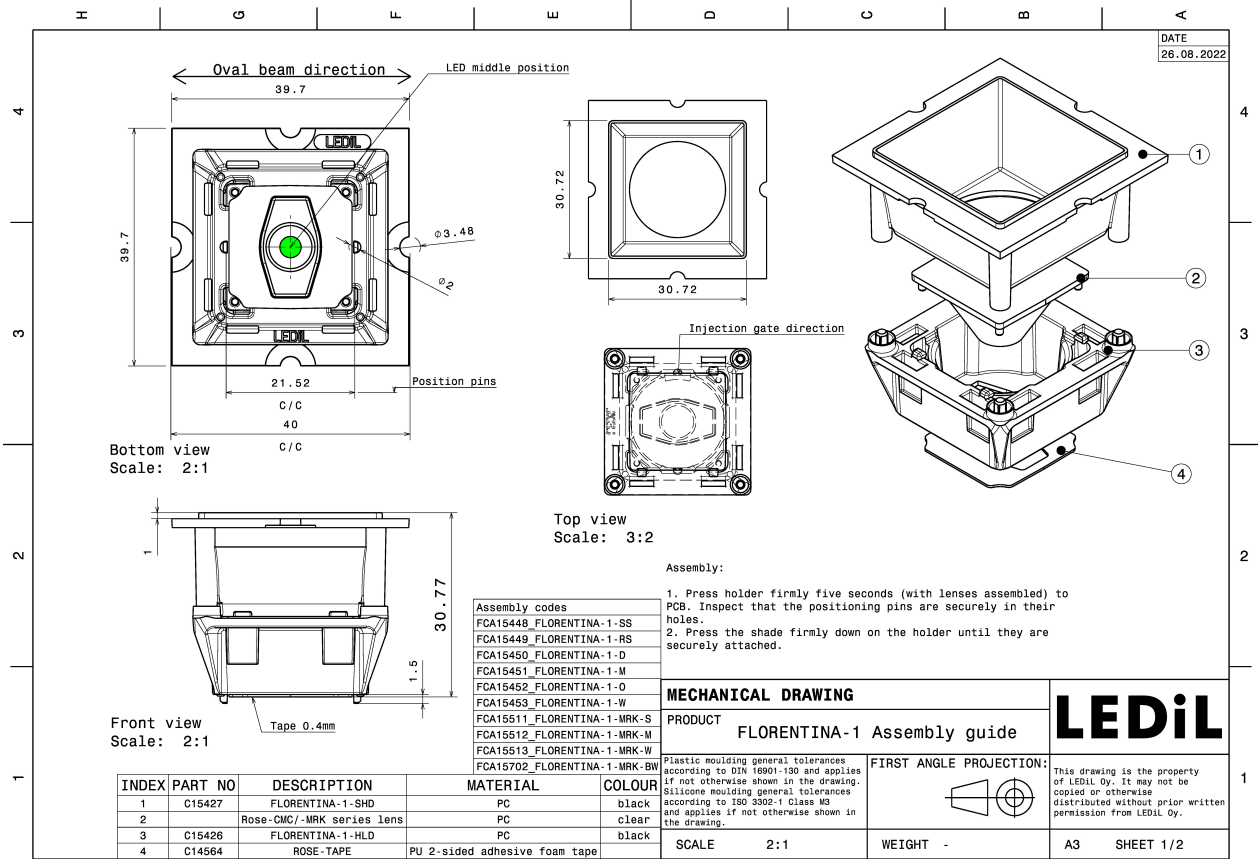
### MATERIALS:

| Component        | Type        | Material     | Colour | Finish | Length |
|------------------|-------------|--------------|--------|--------|--------|
| ROSE-CMC-SS      | Single lens | PC           | clear  |        | 21.6   |
| FLORENTINA-1-HLD | Holder      | PC           | black  |        | 32.6   |
| ROSE-TAPE        | Tape        | Acrylic foam | black  |        | 21.6   |

### ORDERING INFORMATION:

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



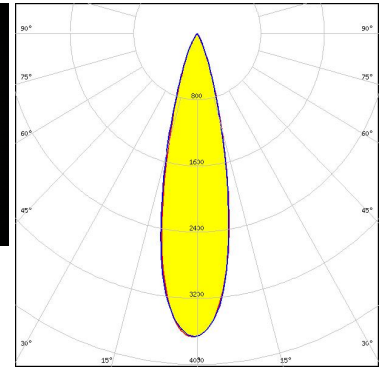
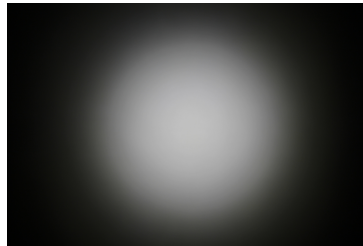


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



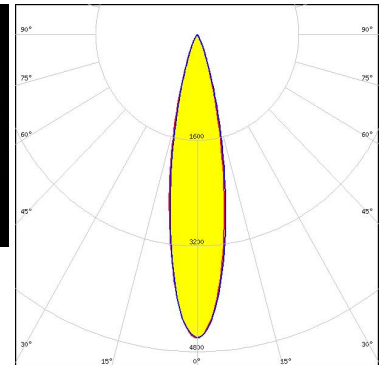
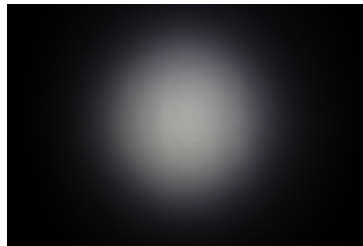
**LED** Bridgelux SMD 5050  
**FWHM / FWTM** 25.0° / 46.0°  
**Efficiency** 82 %  
**Peak intensity** 3.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C15427\_FLORENTINA-1-SHD-60



Light distribution files



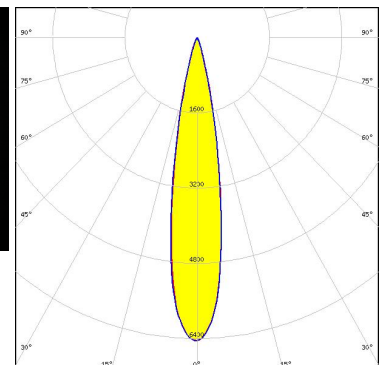
**LED** XHP35 HD  
**FWHM / FWTM** 21.0° / 42.0°  
**Efficiency** 80 %  
**Peak intensity** 4.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C15427\_FLORENTINA-1-SHD-60



Light distribution files



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

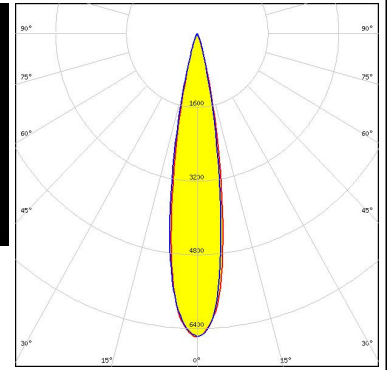


Light distribution files

#### OPTICAL RESULTS (MEASURED):



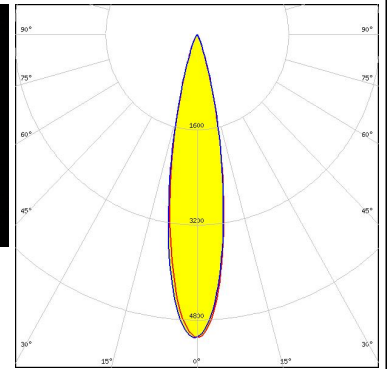
LED XP-G2  
 FWHM / FWTM 19.0° / 33.0°  
 Efficiency 80 %  
 Peak intensity 6.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



Light distribution files



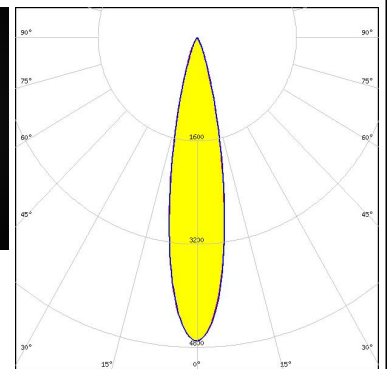
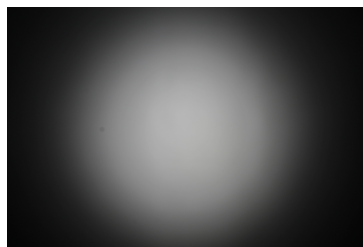
LED XP-L HD  
 FWHM / FWTM 21.0° / 38.0°  
 Efficiency 79 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



Light distribution files



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

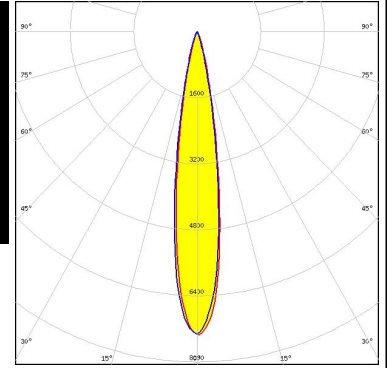


Light distribution files

#### OPTICAL RESULTS (MEASURED):



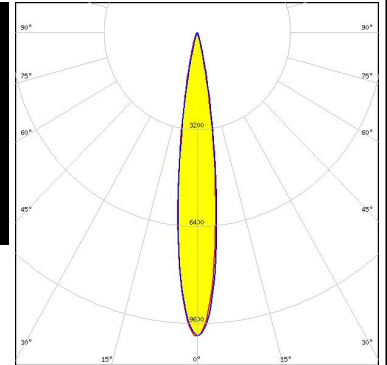
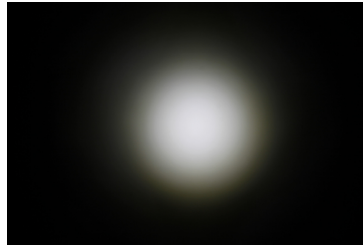
LED XT-E  
 FWHM / FWTM 17.0° / 31.0°  
 Efficiency 78 %  
 Peak intensity 7.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



Light distribution files



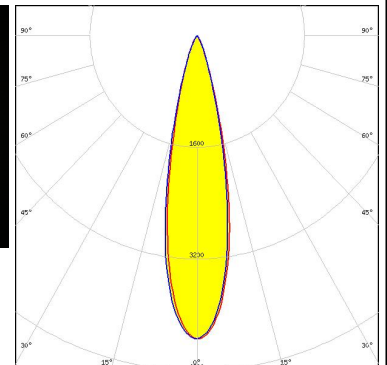
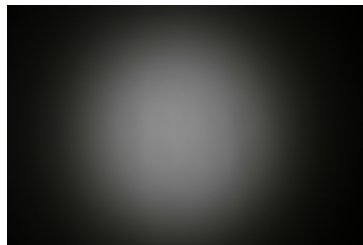
LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 15.0° / 27.0°  
 Efficiency 82 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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/type White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60

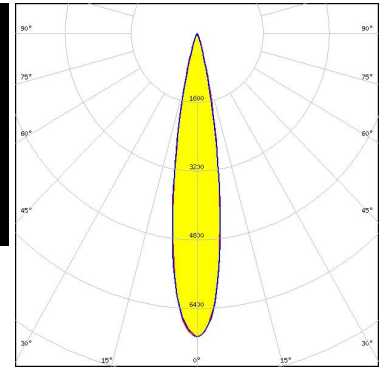


Light distribution files

#### OPTICAL RESULTS (MEASURED):



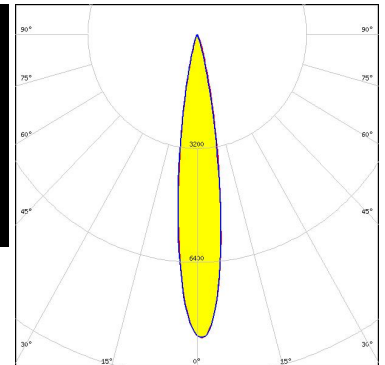
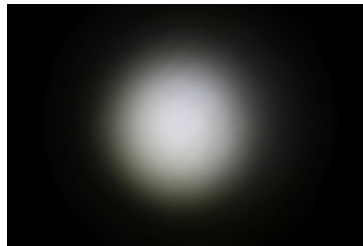
LED LUXEON TX  
FWHM / FWTM 18.0° / 32.0°  
Efficiency 80 %  
Peak intensity 7.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



Light distribution files



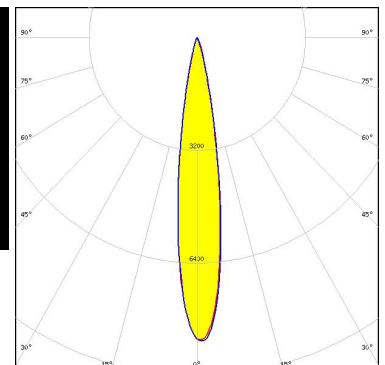
LED NF2x757G  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 84 %  
Peak intensity 8.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



Light distribution files



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

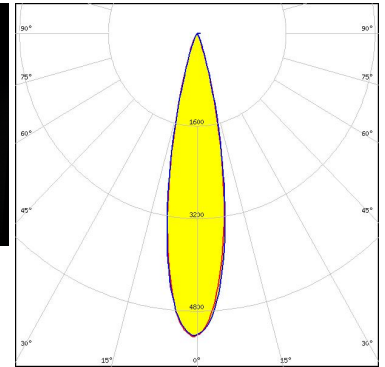


Light distribution files

#### OPTICAL RESULTS (MEASURED):



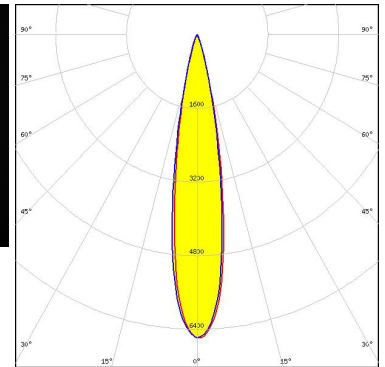
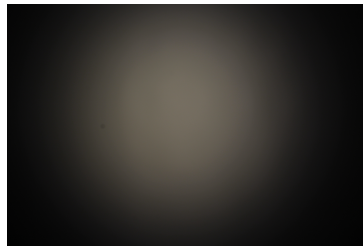
LED NVSW319B  
FWHM / FWTM 22.0° / 37.0°  
Efficiency 84 %  
Peak intensity 5.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



Light distribution files



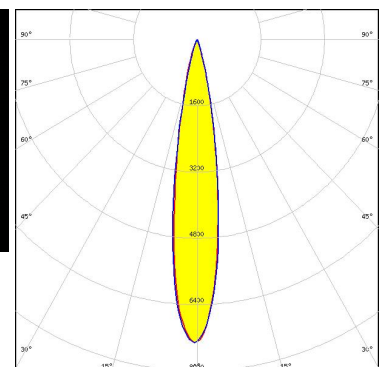
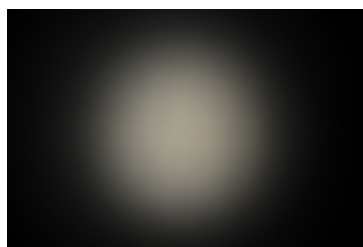
LED NVSxx19B/NVSxx19C  
FWHM / FWTM 19.0° / 33.0°  
Efficiency 81 %  
Peak intensity 6.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C15427\_FLORENTINA-1-SHD-60



Light distribution files



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

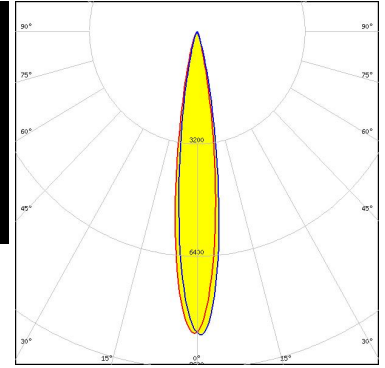


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

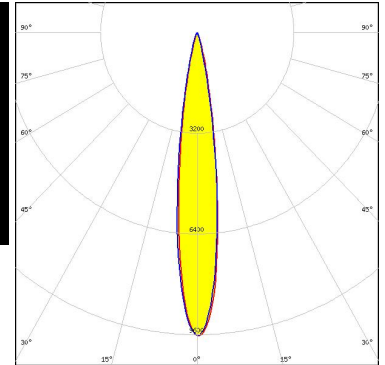
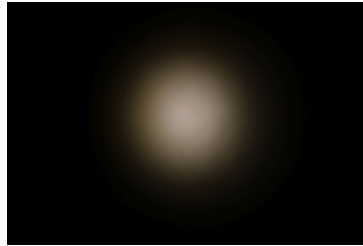
LED LM561B  
 FWHM / FWTM 15.0° / 30.0°  
 Efficiency 84 %  
 Peak intensity 8.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



Light distribution files



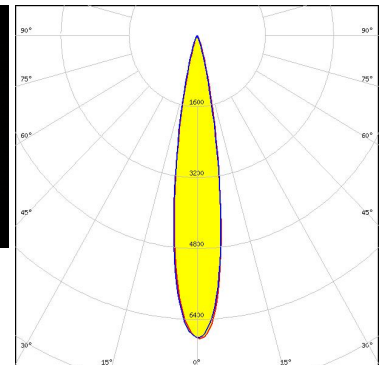
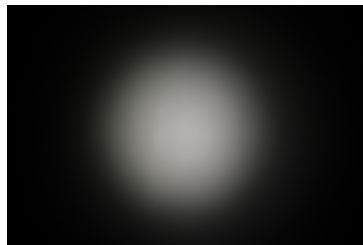
LED SEOUL 5630  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 86 %  
 Peak intensity 9.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z8Y22P  
 FWHM / FWTM 18.0° / 32.0°  
 Efficiency 77 %  
 Peak intensity 6.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C15427\_FLORENTINA-1-SHD-60



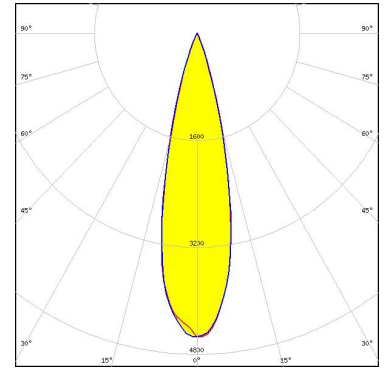
Light distribution files



#### 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/type    | White                      |
| Required components: |                            |
|                      | C15427_FLORENTINA-1-SHD-60 |



Light distribution files

#### 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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