

## FLORENTINA-HLD-W

~40° wide beam

### SPECIFICATION:

|                |                 |
|----------------|-----------------|
| Dimensions     | 285.6 x 19.5 mm |
| Height         | 9.5 mm          |
| Fastening      | screw           |
| ROHS compliant | yes ⓘ           |

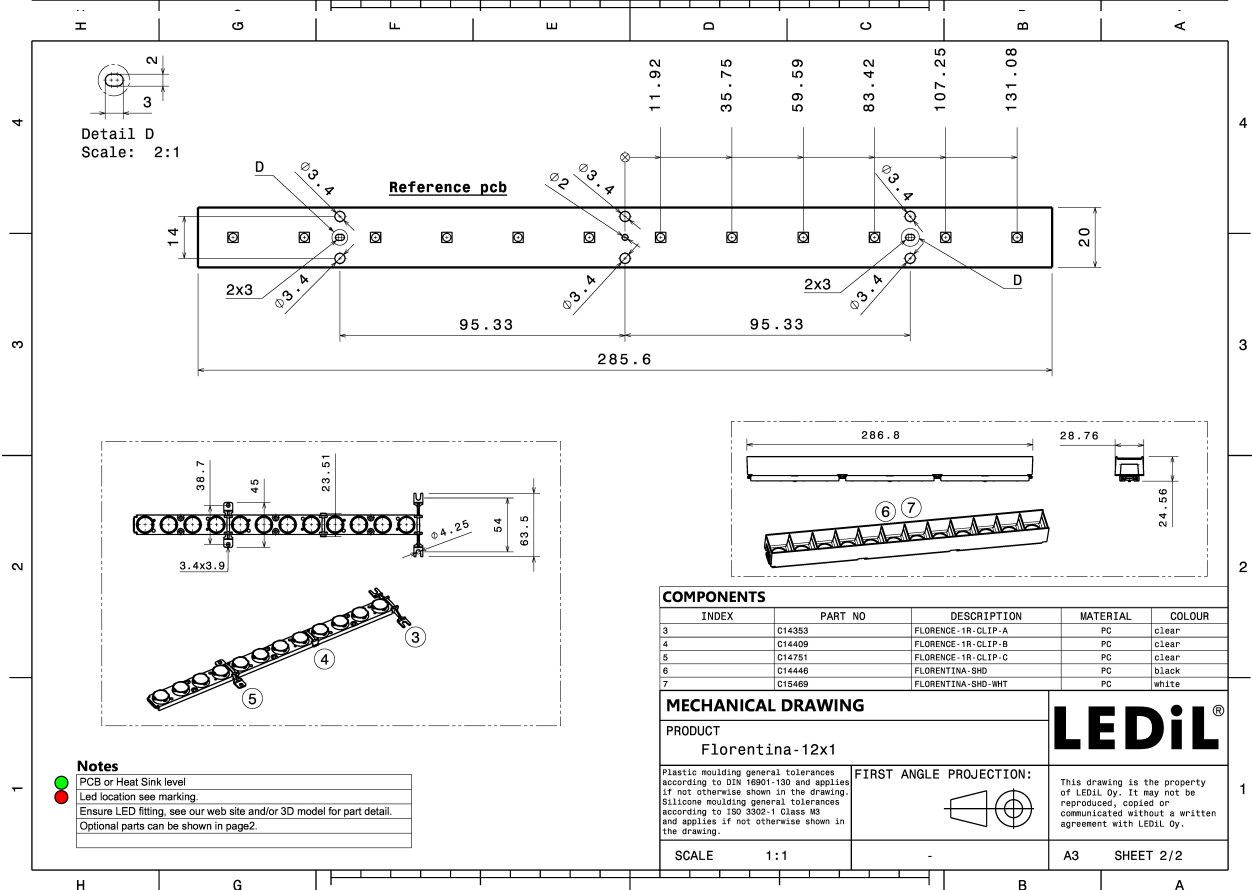
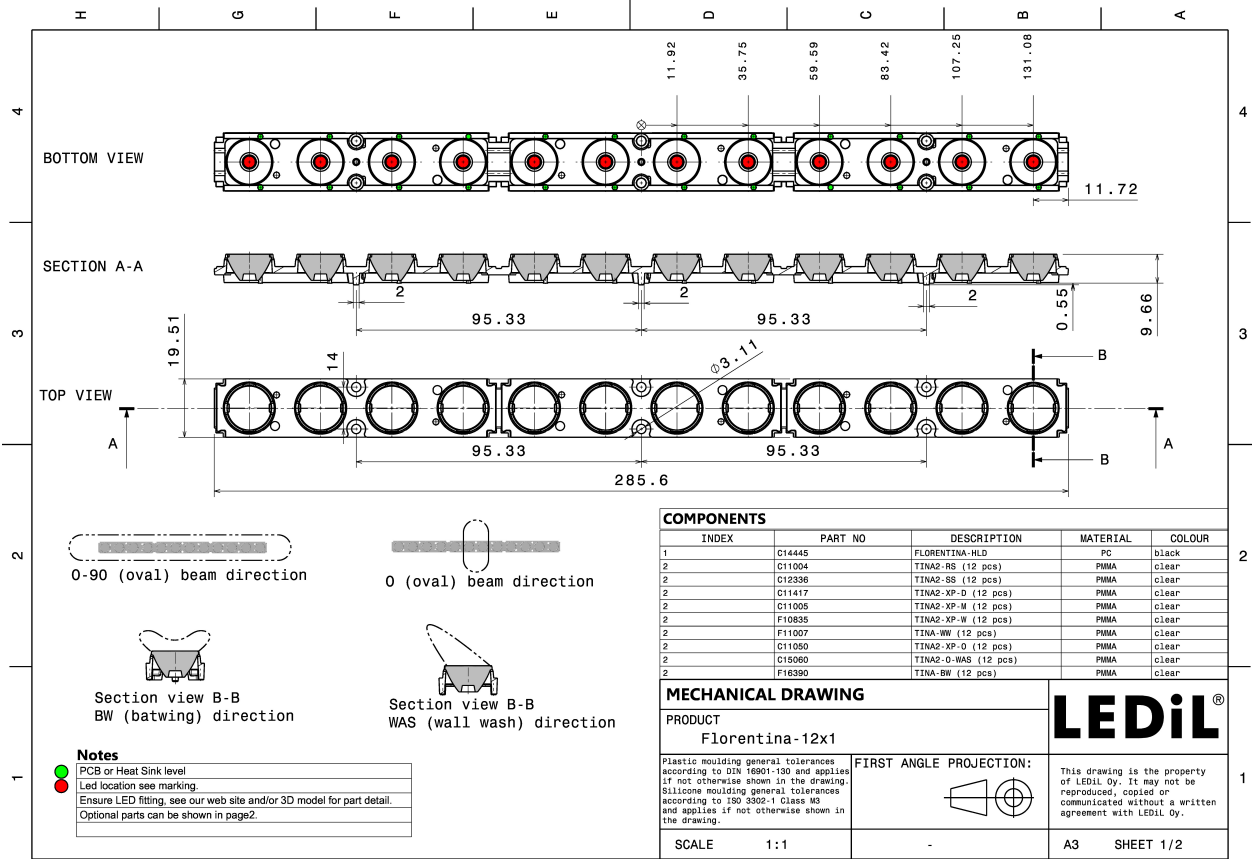
### MATERIALS:

| Component      | Type        | Material | Colour | Finish | Length |
|----------------|-------------|----------|--------|--------|--------|
| TINA-XP-W      | Single lens | PMMA     | clear  |        | 16.0   |
| FLORENTINA-HLD | Holder      | PC       | black  |        | 285.6  |

### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| FP14997_FLORENTINA-HLD-W       | Single lens | 160        | 32  | 16  | 5.2             |
| » Box size: 398 x 298 x 140 mm |             |            |     |     |                 |



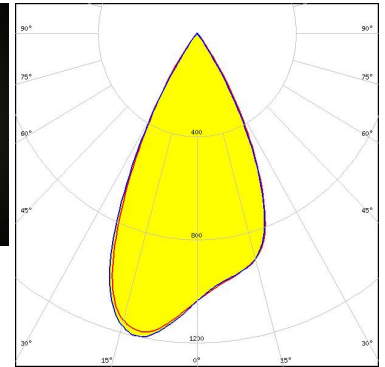
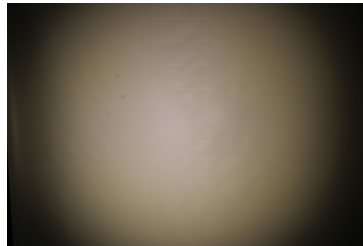


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



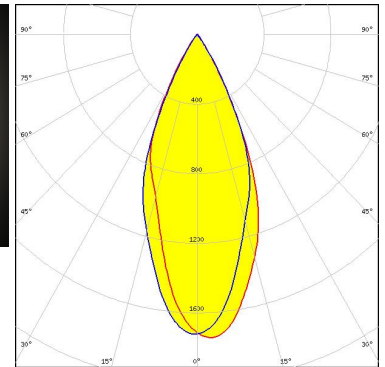
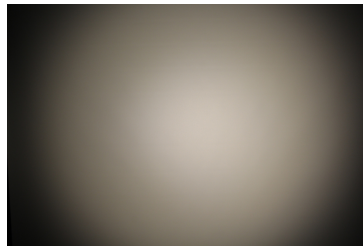
LED QUICK FLUX LED FL-XG 1x12 xxx  
FWHM / FWTM 51.0° / 69.0°  
Efficiency 80 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD



Light distribution files



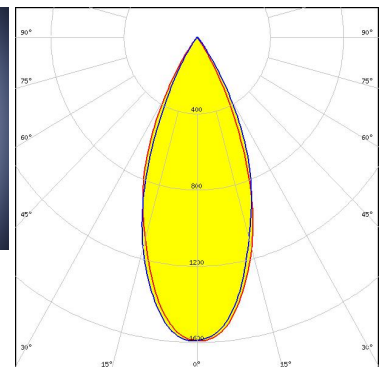
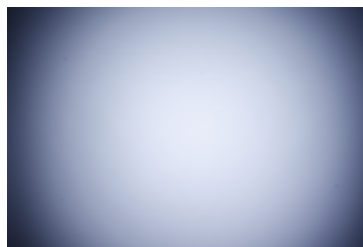
LED XP-E2  
FWHM / FWTM 42.0° / 66.0°  
Efficiency 84 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD



Light distribution files



LED LUXEON Rebel ES  
FWHM / FWTM 43.0° / 67.0°  
Efficiency 81 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD

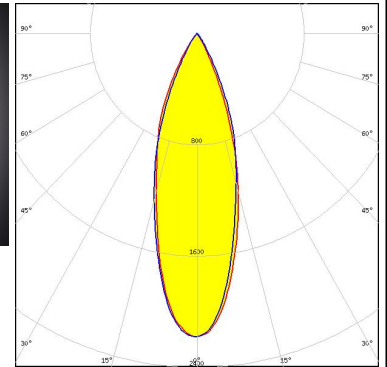
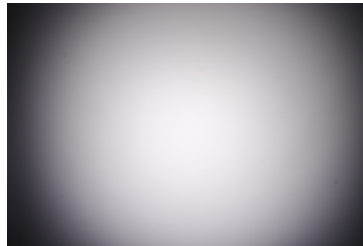


Light distribution files

#### OPTICAL RESULTS (MEASURED):



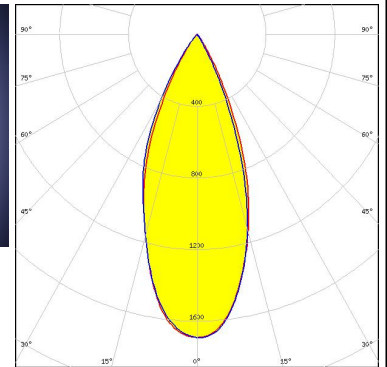
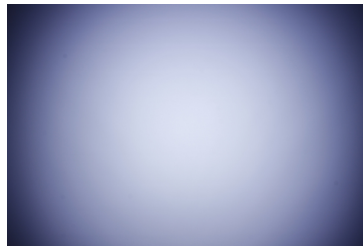
**LED** LUXEON Rebel Plus  
**FWHM / FWTM** 33.0° / 61.0°  
**Efficiency** 83 %  
**Peak intensity** 2.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



Light distribution files



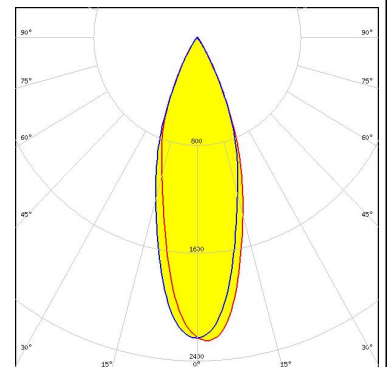
**LED** LUXEON TX  
**FWHM / FWTM** 41.0° / 66.0°  
**Efficiency** 82 %  
**Peak intensity** 1.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C14446\_FLORENTINA-SHD



Light distribution files



**LED** LUXEON Z ES  
**FWHM / FWTM** 33.0° / 60.0°  
**Efficiency** 84 %  
**Peak intensity** 2.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C14446\_FLORENTINA-SHD

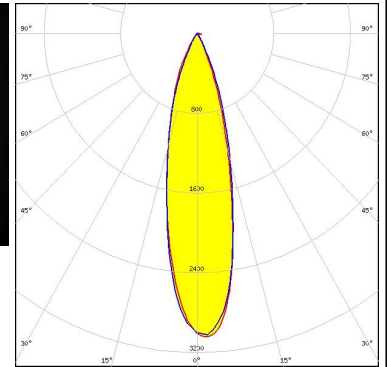


Light distribution files

### OPTICAL RESULTS (MEASURED):



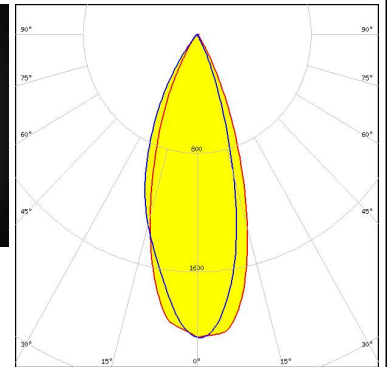
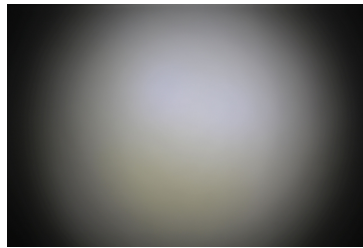
LED NCSxE17A  
FWHM / FWTM 26.0° / 52.0°  
Efficiency 81 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD



Light distribution files



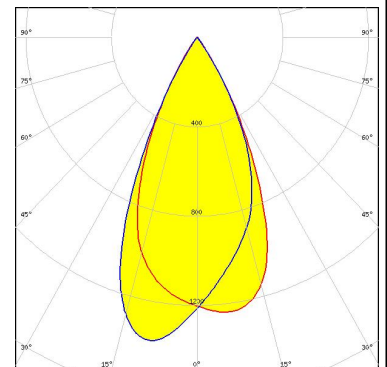
LED NF2x757G  
FWHM / FWTM 36.0° / 60.0°  
Efficiency 84 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD



Light distribution files



LED NVSxx19B/NVSxx19C  
FWHM / FWTM 48.0° / 69.0°  
Efficiency 79 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD

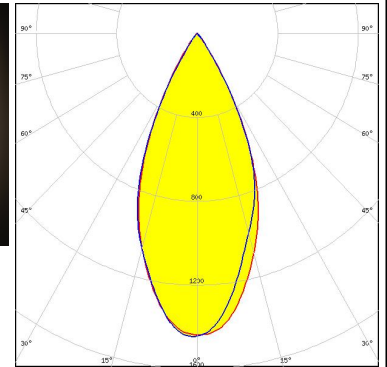
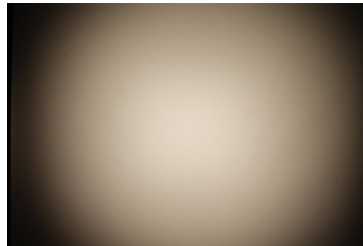


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

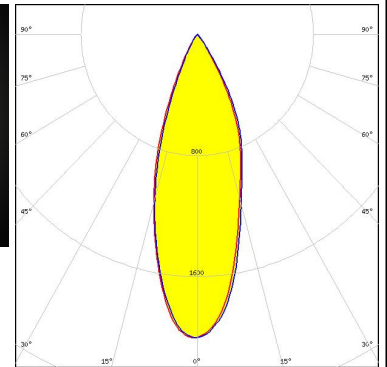
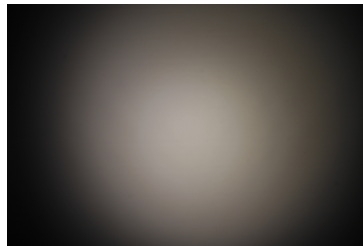
LED OSLON Square EC  
 FWHM / FWTM 46.0° / 69.0°  
 Efficiency 80 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files

**OSRAM**  
Opto Semiconductors

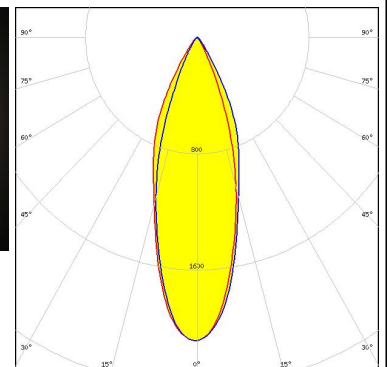
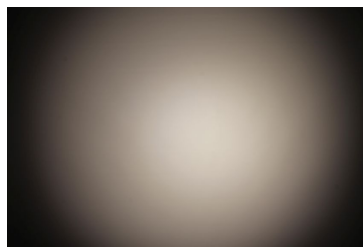
LED OSLON SSL 150  
 FWHM / FWTM 34.0° / 62.0°  
 Efficiency 81 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C14446\_FLORENTINA-SHD



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
 FWHM / FWTM 33.0° / 62.0°  
 Efficiency 85 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

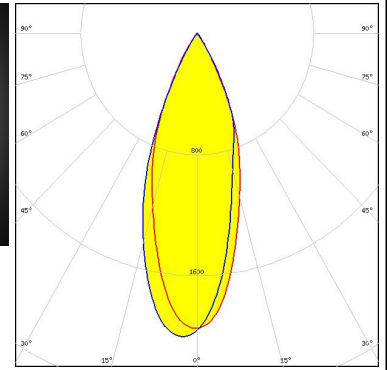


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

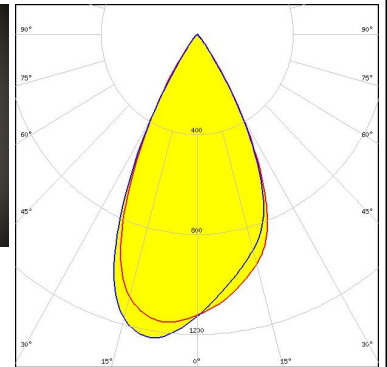
LED OSLON SSL 80  
FWHM / FWTM 35.0° / 63.0°  
Efficiency 83 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD



Light distribution files

**SAMSUNG**

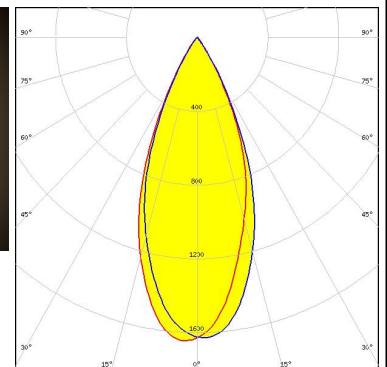
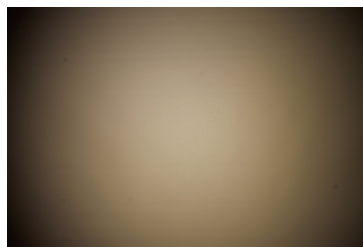
LED LH351B  
FWHM / FWTM 52.0° / 72.0°  
Efficiency 82 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD



Light distribution files

**TOSHIBA**  
Leading Innovation >>>

LED TL1L4  
FWHM / FWTM 42.0° / 66.0°  
Efficiency 82 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD

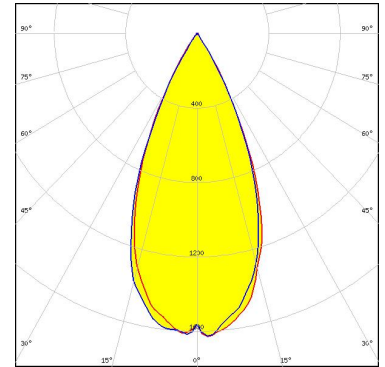


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



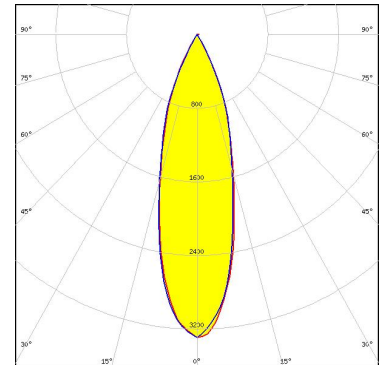
LED XP-G2 HE  
FWHM / FWTM 46.0° / 66.0°  
Efficiency 90 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD



Light distribution files



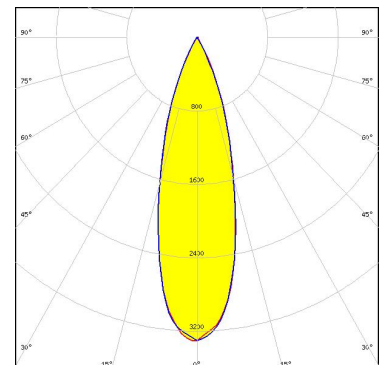
LED NCSxE17A  
FWHM / FWTM 29.0° / 56.0°  
Efficiency 94 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C14446\_FLORENTINA-SHD



Light distribution files



LED NVSxE21A  
FWHM / FWTM 30.0° / 54.0°  
Efficiency 94 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

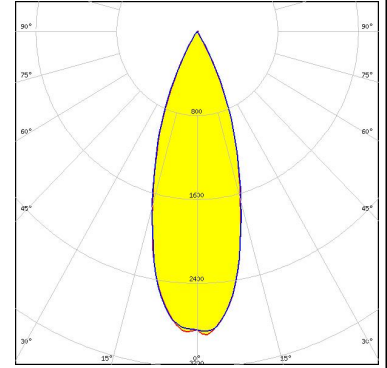


#### OPTICAL RESULTS (SIMULATED):



LED NVSxE21A  
FWHM / FWTM 34.0° / 57.0°  
Efficiency 94 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:  
C14446\_FLORENTINA-SHD

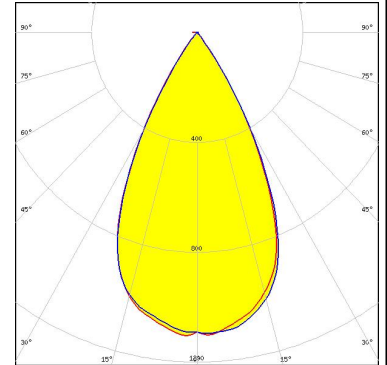


Light distribution files



LED NWSx229A  
FWHM / FWTM 53.0° / 73.0°  
Efficiency 82 %  
LEDs/each optic 1  
Light colour/type White

Required components:  
C14446\_FLORENTINA-SHD



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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#### Local sales and technical support

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#### Shipping locations

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