

## TINA3-OO

~60° + 40° oval beam optimized for CREE XP-E.  
Assembly with holder, installation tape and location pins.

### TECHNICAL SPECIFICATIONS:

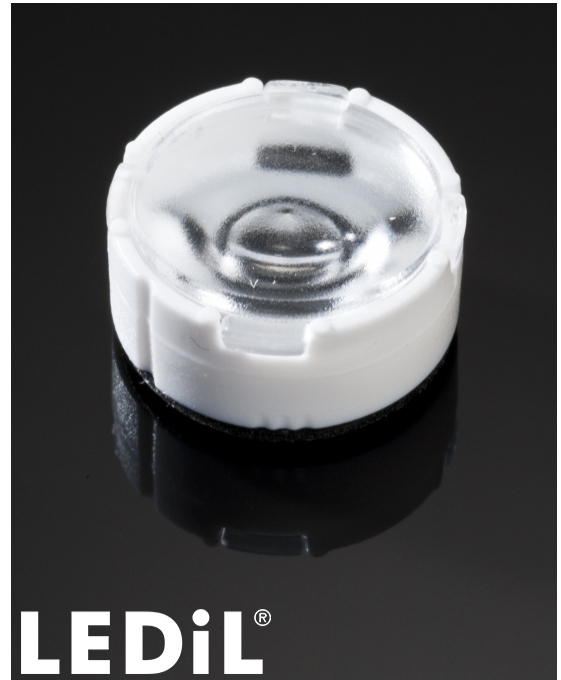
|                |           |
|----------------|-----------|
| Dimensions     | Ø 16.1 mm |
| Height         | 6.9 mm    |
| Fastening      | tape, pin |
| ROHS compliant | yes ⓘ     |

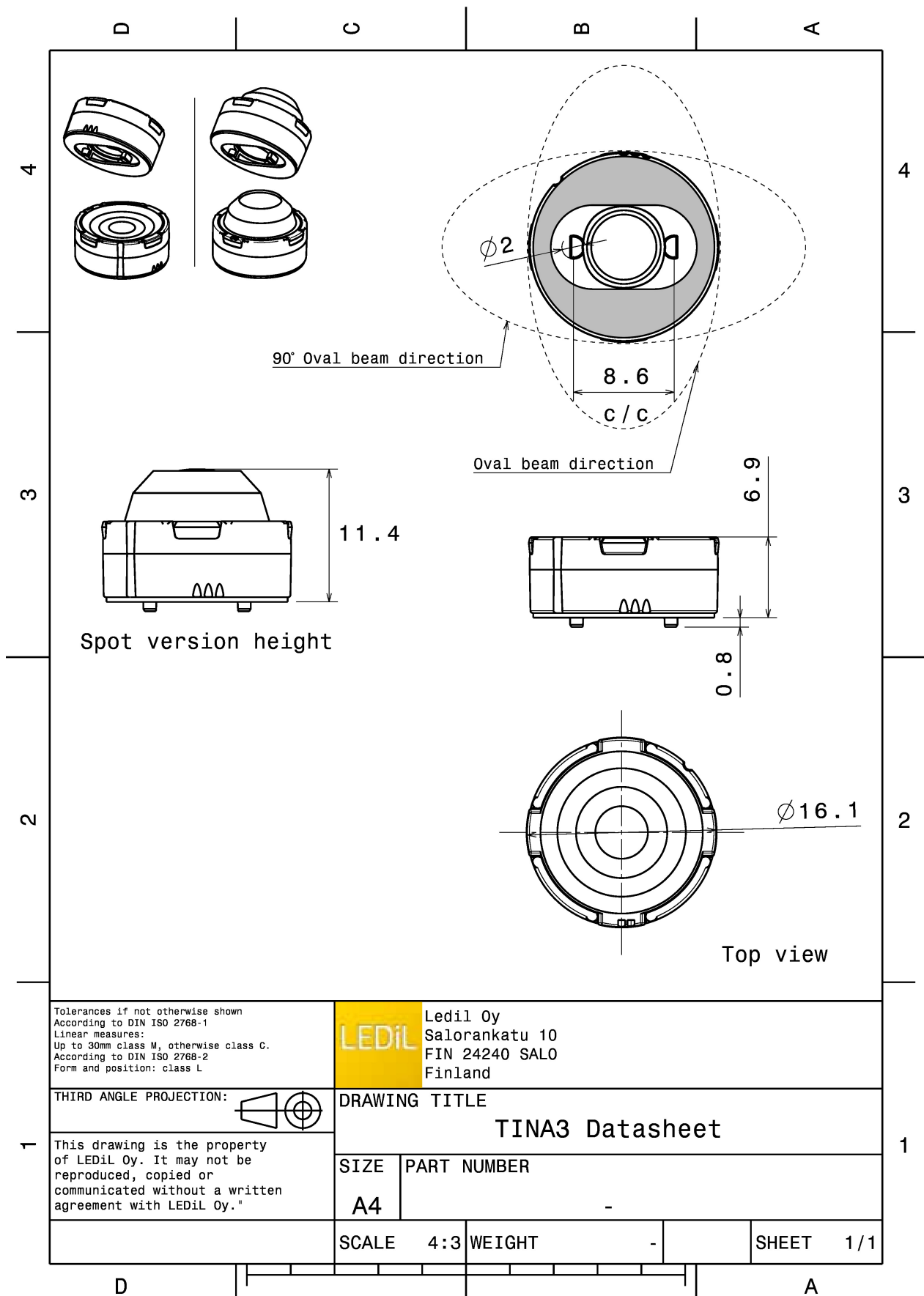
### MATERIAL SPECIFICATIONS:

| Component             | Type        | Material | Colour | Finish |
|-----------------------|-------------|----------|--------|--------|
| TINA3-OO              | Single lens | PMMA     | clear  |        |
| TINA3-HLD-PIN-TAPE-XP | Holder      | PC       | white  |        |
| TINA-TAPE3            | Tape        | PU tape  | black  |        |

### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| FA11870_TINA3-OO               | Single lens | 2016       | 288 | 288 | 3.1             |
| » Box size: 470 x 240 x 105 mm |             |            |     |     |                 |





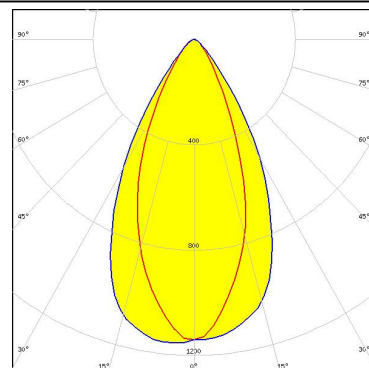
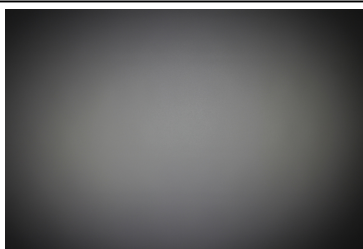
### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XB-D  
FWHM 54.0 + 42.0°  
Efficiency 91 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

LED XB-H  
FWHM 59.0 + 43.0°  
Efficiency 88 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

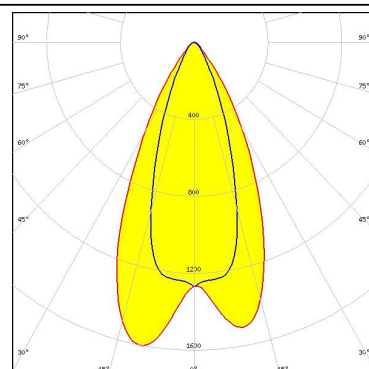


#### CREE

LED XP-E  
FWHM 52.0 + 35.0°  
Efficiency 93 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

LED XP-G  
FWHM 51.0 + 39.0°  
Efficiency 93 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):



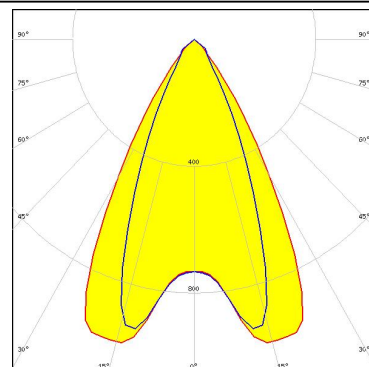
LED LUXEON A  
FWHM 46.0 + 60.0°  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON Rebel  
FWHM 58.0 + 38.0°  
Efficiency 83 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON Rebel ES  
FWHM 60.0 + 46.0°  
Efficiency 92 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

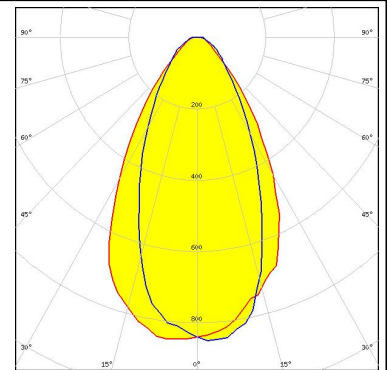


LED NVSxx19A  
FWHM 62.0 + 48.0°  
Efficiency 93 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### PHOTOMETRIC DATA (MEASURED):

#### OSRAM Opto Semiconductors

LED OSLON Square EC  
FWHM 62.0 + 50.0°  
Efficiency 87 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM Opto Semiconductors

LED OSLON SSL 150  
FWHM 53.0 + 36.0°  
Efficiency 90 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### OSRAM Opto Semiconductors

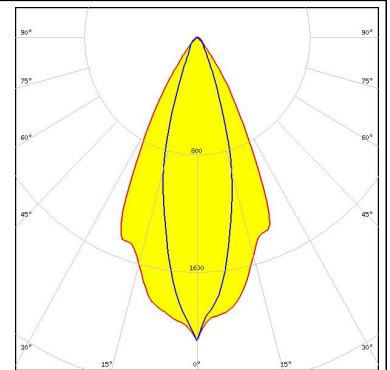
LED OSLON SSL 80  
FWHM 36.0 + 52.0°  
Efficiency 88 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

SetPlotSize=1611: 11 range error - min 20 max

### PHOTOMETRIC DATA (SIMULATED):

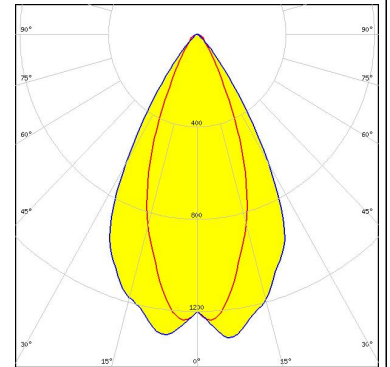
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3030  
FWHM 52.0 + 27.0°  
Efficiency 94 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**SEOUL**  
SEMICONDUCTOR

LED Z8Y22P  
FWHM 60.0 + 42.0°  
Efficiency 94 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### 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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