

## TINA3-WWW

~70° wide beam. 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 ⓘ     |

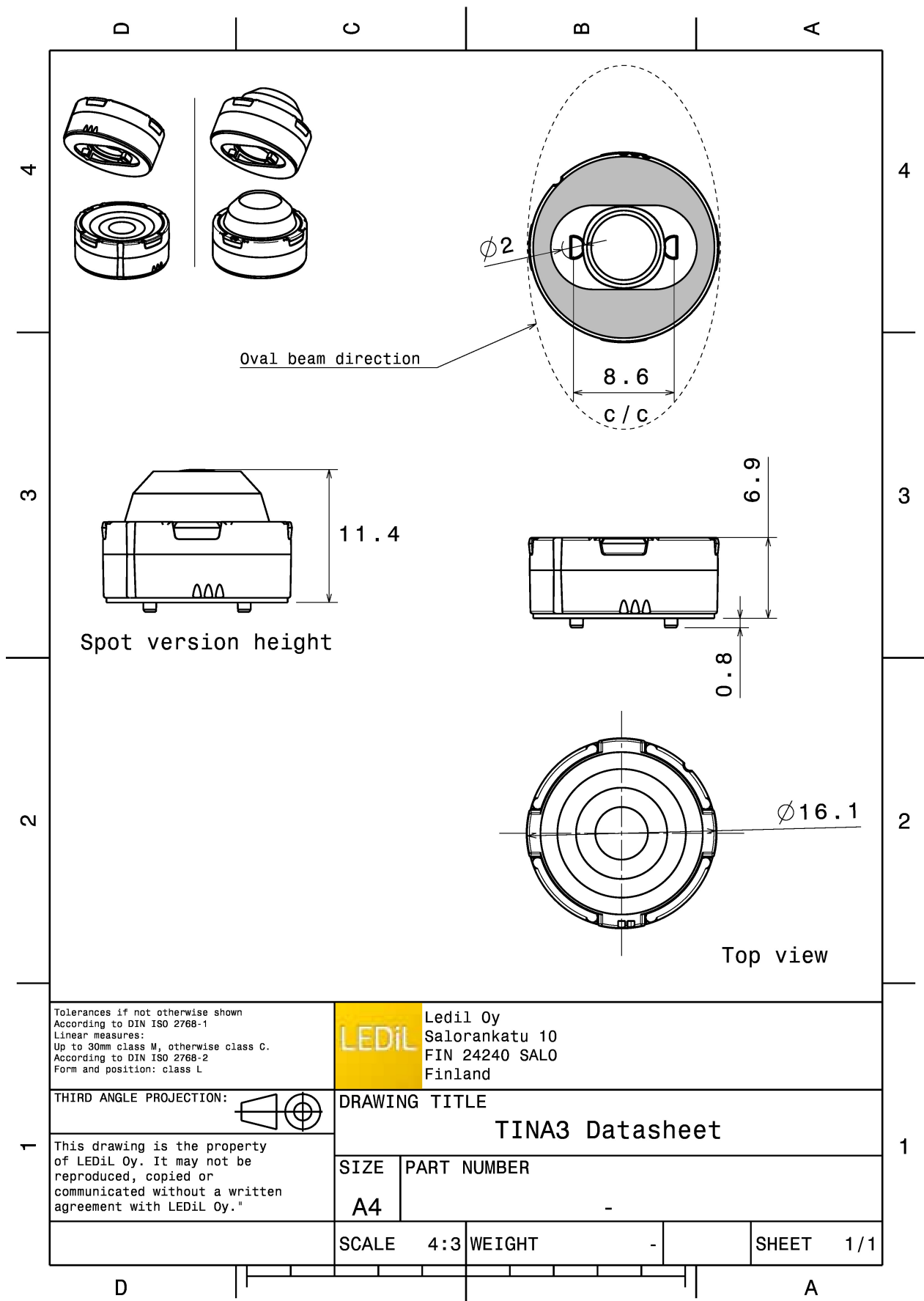


### MATERIAL SPECIFICATIONS:

| Component          | Type        | Material     | Colour | Finish |
|--------------------|-------------|--------------|--------|--------|
| TINA3-WWW          | Single lens | PMMA         | clear  |        |
| TINA3-HLD-PIN-TAPE | Holder      | PC           | white  |        |
| TINA-TAPE3         | Tape        | Acrylic foam | black  |        |

### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA12428_TINA3-WWW              | Single lens | 5750       | 230 | 230 | 8.2             |
| » Box size: 451 x 241 x 298 mm |             |            |     |     |                 |

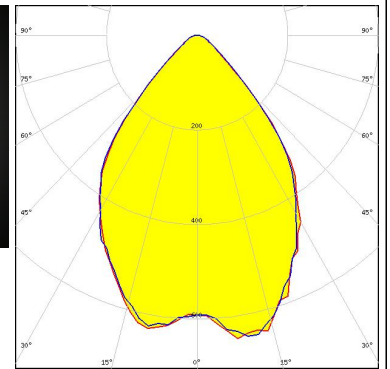
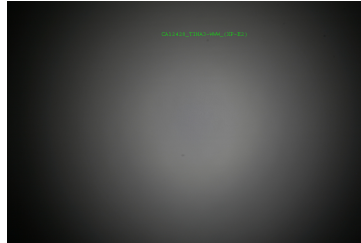


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):

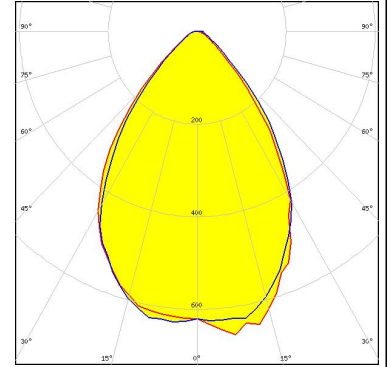
#### CREE LED

LED XP-E2  
FWHM / FWTM 77.0° / 106.0°  
Efficiency 88 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



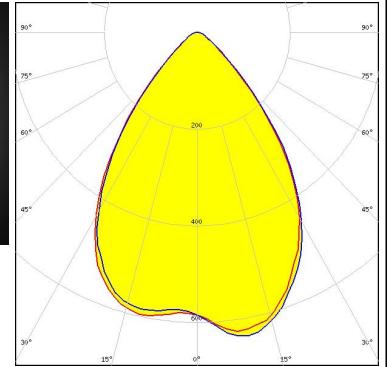
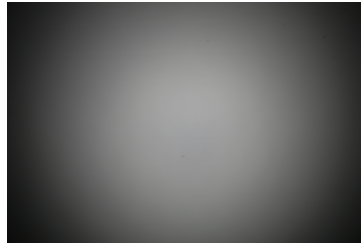
#### CREE LED

LED XP-G  
FWHM / FWTM 69.0° / 102.0°  
Efficiency 87 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



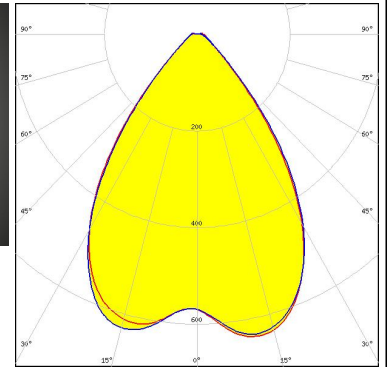
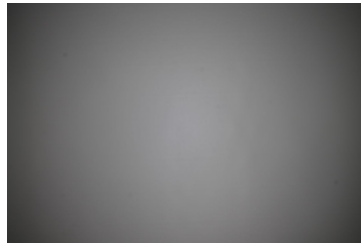
#### CREE LED

LED XP-G2  
FWHM / FWTM 76.0° / 108.0°  
Efficiency 86 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### CREE LED

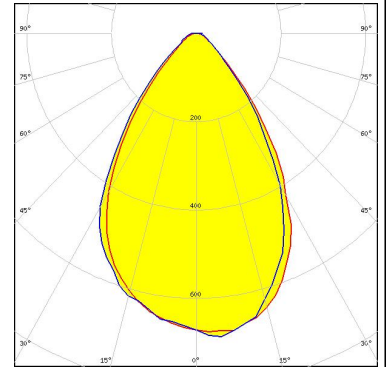
LED XP-L HI  
FWHM / FWTM 74.0° / 105.0°  
Efficiency 91 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



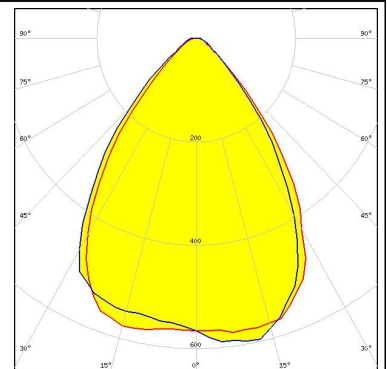
### PHOTOMETRIC DATA (MEASURED):



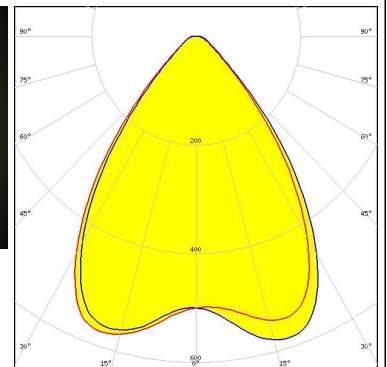
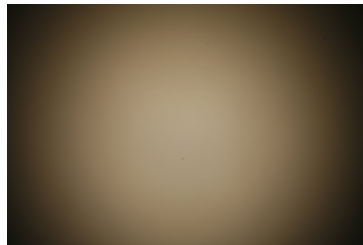
LED XT-E  
FWHM / FWTM 68.0° / 102.0°  
Efficiency 85 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



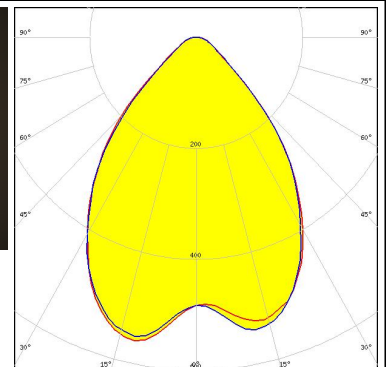
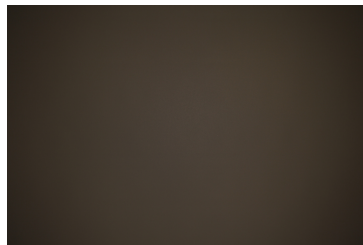
LED LUXEON A  
FWHM / FWTM 74.0° / 106.0°  
Efficiency 86 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON T  
FWHM / FWTM 78.0° / 109.0°  
Efficiency 86 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



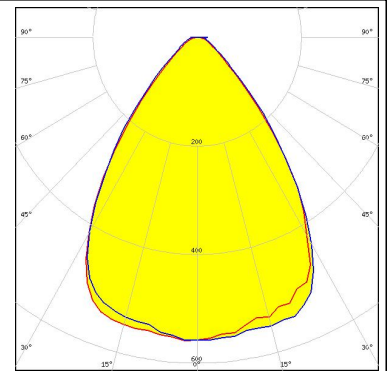
LED LUXEON TX  
FWHM / FWTM 79.0° / 115.0°  
Efficiency 87 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



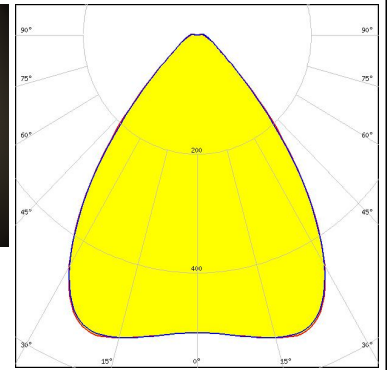
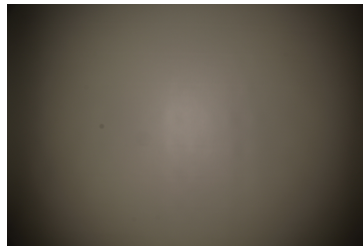
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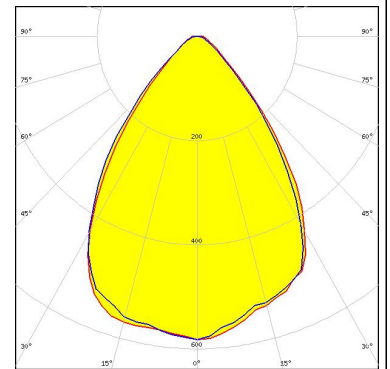
LED NVSxx19A  
FWHM / FWTM 75.0° / 106.0°  
Efficiency 83 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



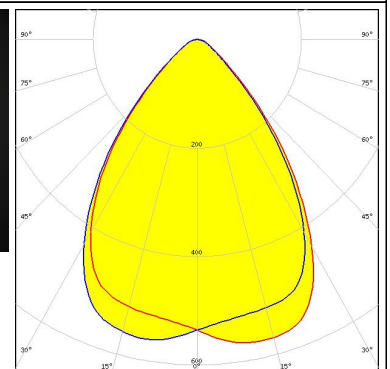
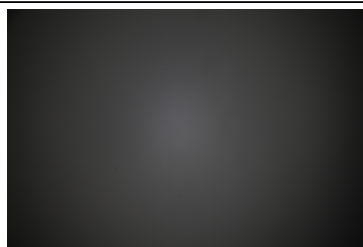
LED NVSxx19B/NVSxx19C  
FWHM / FWTM 79.0° / 113.0°  
Efficiency 90 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSLON Square EC  
FWHM / FWTM 75.0° / 110.0°  
Efficiency 84 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



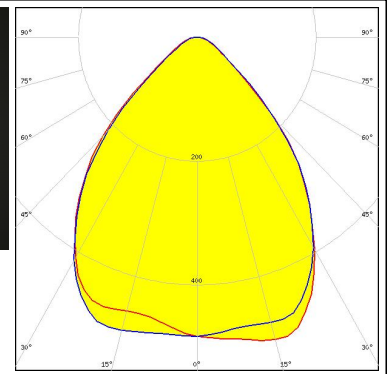
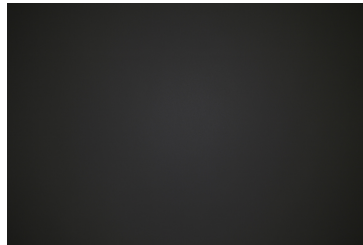
LED LH351B  
FWHM / FWTM 76.0° / 110.0°  
Efficiency 86 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (MEASURED):

### SAMSUNG

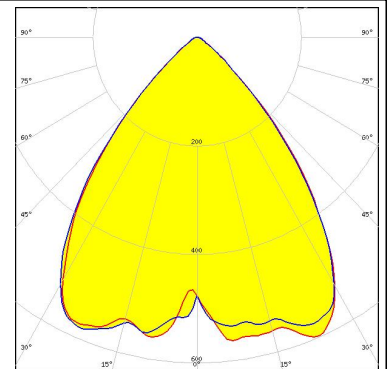
LED LH351Z  
FWHM / FWTM 85.0° / 121.0°  
Efficiency 87 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



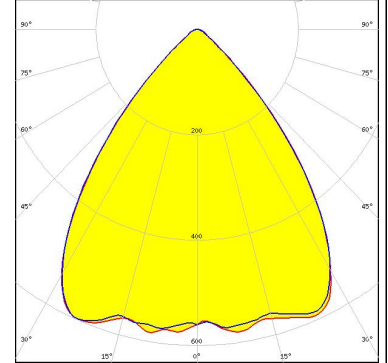
### PHOTOMETRIC DATA (SIMULATED):



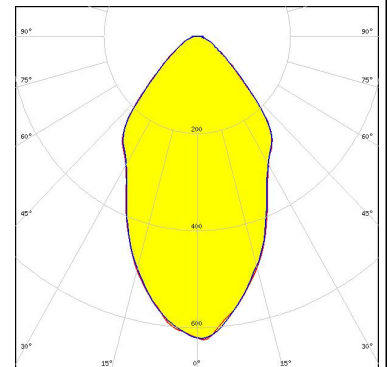
LED J Series 2835  
FWHM / FWTM 80.0° / 104.0°  
Efficiency 92 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



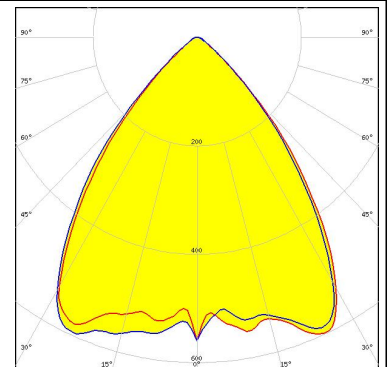
LED LUXEON 2835 Line  
FWHM / FWTM 80.0° / 103.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NCSxE17A  
FWHM / FWTM 58.0° / 114.0°  
Efficiency 80 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 4  
Light colour White  
Required components:



LED LM28xB Series  
FWHM / FWTM 80.0° / 104.0°  
Efficiency 92 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (SIMULATED):



### 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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