

## TINA2-W

~45° wide beam. Assembly with holder and installation tape.

### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 16.1 mm |
| Height         | 9.7 mm    |
| Fastening      | tape      |
| ROHS compliant | yes ⓘ     |

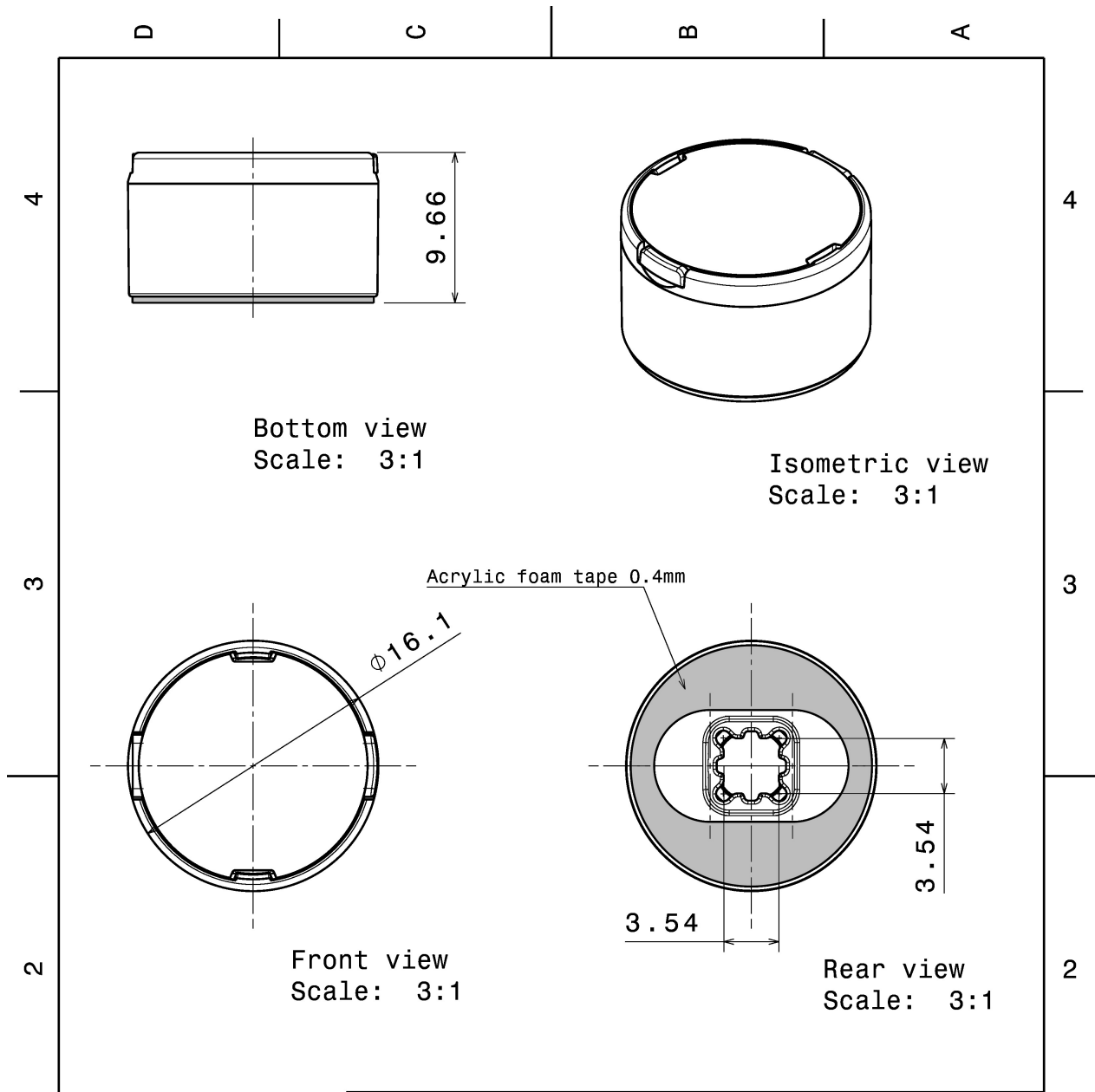


### MATERIALS:

| Component             | Type        | Material     | Colour | Finish |
|-----------------------|-------------|--------------|--------|--------|
| TINA2-W-XP            | Single lens | PMMA         | clear  |        |
| TINA2-XP-HLD-TAPE-BLK | Holder      | PC           | black  |        |
| TINA-TAPE3            | Tape        | Acrylic foam | black  |        |

### ORDERING INFORMATION:

| Component                      |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA12056_TINA2-W                | Single lens | 4140       | 230 | 230 | 8.7             |
| » Box size: 451 x 241 x 298 mm |             |            |     |     |                 |



| INDEX | PART NO | DESCRIPTION           | MATERIAL | COLOUR |
|-------|---------|-----------------------|----------|--------|
| 1     | -       | TINA2-lens            | PMMA     |        |
| 2     | C11418  | TINA2-XP-HLD-TAPE-BLK | PC       | black  |

Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL** Ledil Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**TINA2-XP-series assembly**

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| SIZE | PART NUMBER |
|------|-------------|
| A4   | -           |

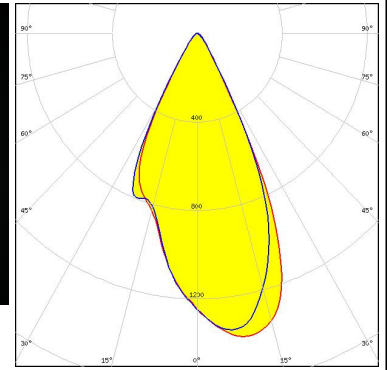
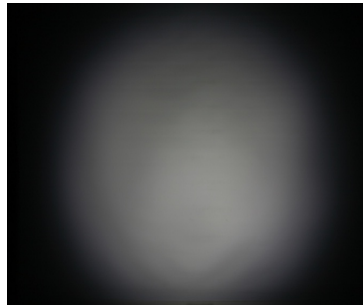
| SCALE | 3:1 | WEIGHT | 1,3 g | SHEET | 1/1 |
|-------|-----|--------|-------|-------|-----|
|-------|-----|--------|-------|-------|-----|

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

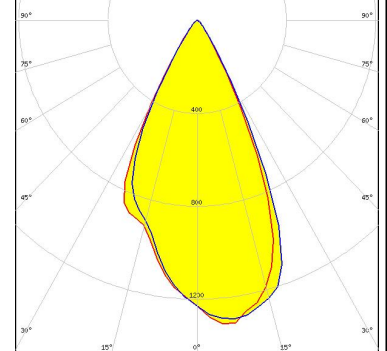
#### OPTICAL RESULTS (MEASURED):



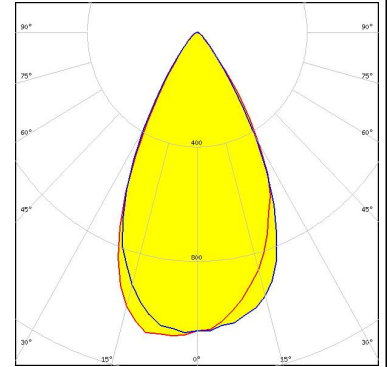
LED XP-E  
 FWHM / FWTM 50.0° / 68.0°  
 Efficiency 88 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



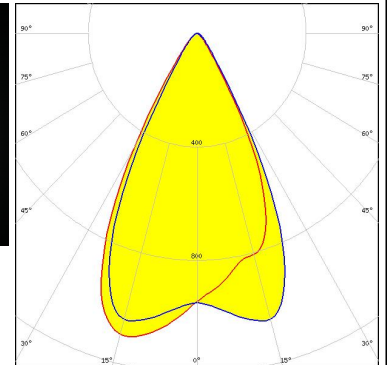
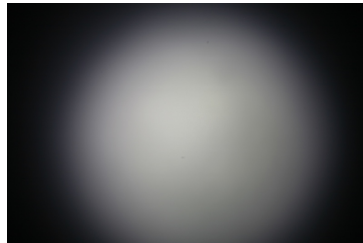
LED XP-E2  
 FWHM / FWTM 52.0° / 70.0°  
 Efficiency 89 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G  
 FWHM / FWTM 57.0° / 81.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



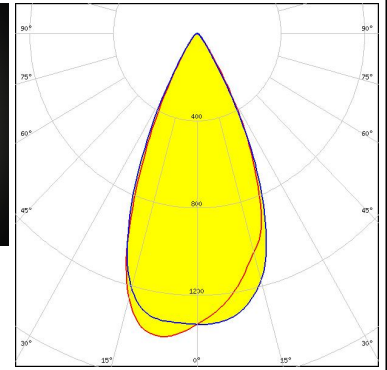
LED XP-G2  
 FWHM / FWTM 54.0° / 74.0°  
 Efficiency 88 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



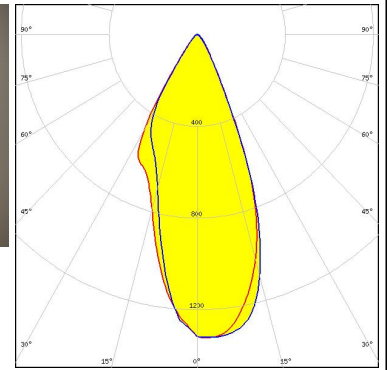
#### OPTICAL RESULTS (MEASURED):



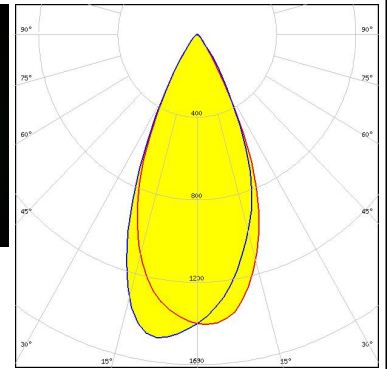
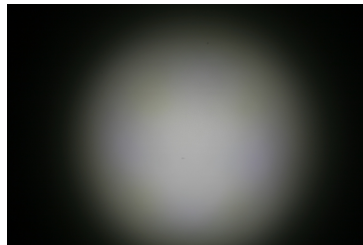
LED XP-G3  
 FWHM / FWTM 47.0° / 68.0°  
 Efficiency 87 %  
 Peak intensity 1.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



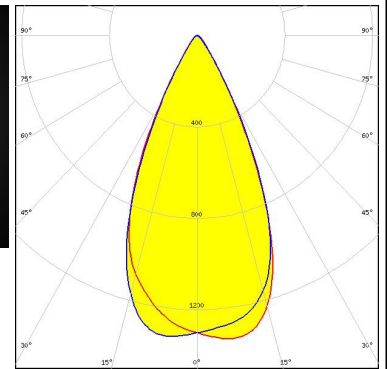
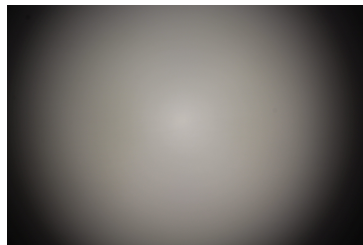
LED XQ-E HD  
 FWHM / FWTM 39.0° / 68.0°  
 Efficiency 72 %  
 Peak intensity 1.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



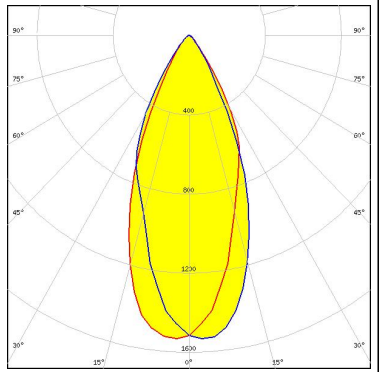

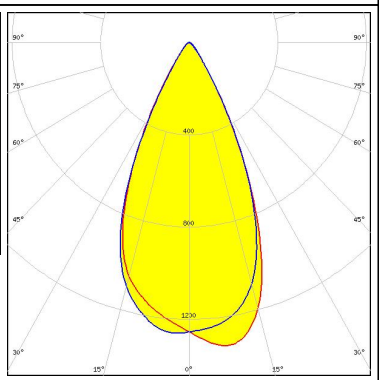
LED XT-E  
 FWHM / FWTM 46.0° / 70.0°  
 Efficiency 87 %  
 Peak intensity 1.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON V2  
 FWHM / FWTM 49.0° / 70.0°  
 Efficiency 89 %  
 Peak intensity 1.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



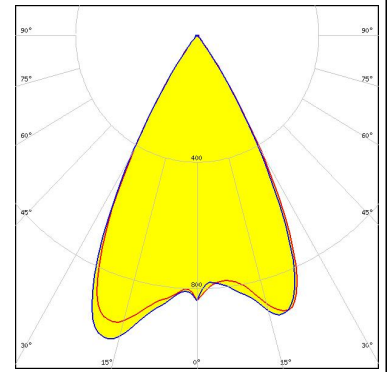
#### OPTICAL RESULTS (MEASURED):

|   |   |  |
|---|---|--|
| <p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED                    Z5</p> <p>FWHM / FWTM      40.0° / 75.0°</p> <p>Efficiency            89 %</p> <p>Peak intensity      1.5 cd/m</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p>   |   |   |
| <p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED                    Z5M3</p> <p>FWHM / FWTM      49.0° / 71.0°</p> <p>Efficiency            86 %</p> <p>Peak intensity      1.3 cd/m</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p> |  |  |

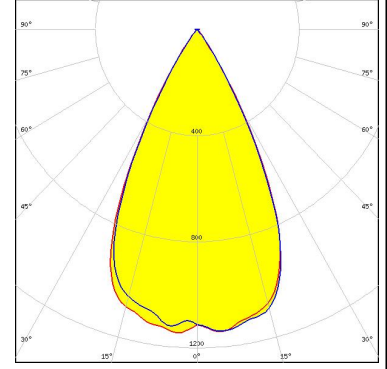
#### OPTICAL RESULTS (SIMULATED):



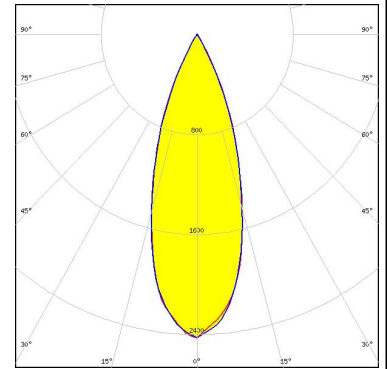
LED XP-G2 HE  
 FWHM / FWTM 58.0° / 73.0°  
 Efficiency 81 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



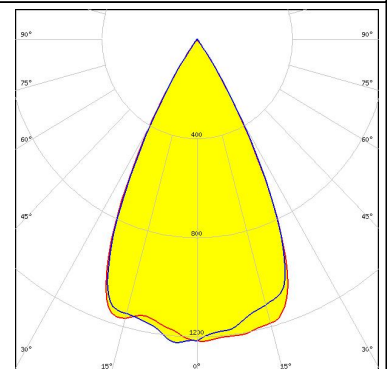
LED XP-G3  
 FWHM / FWTM 54.0° / 70.0°  
 Efficiency 84 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour Royal Blue  
 Required components:



LED NVSxE21A  
 FWHM / FWTM 34.6° / 57.8°  
 Efficiency 90 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSLOM Square CSSRM2/CSSRM3  
 FWHM / FWTM 54.0° / 68.0°  
 Efficiency 91 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

|                      |               |
|----------------------|---------------|
| LED                  | LH351B        |
| FWHM / FWTM          | 56.0° / 71.0° |
| Efficiency           | 88 %          |
| Peak intensity       | 1.2 cd/lm     |
| LEDs/each optic      | 1             |
| Light colour         | White         |
| Required components: |               |

