

## LAURA-RS

~8° spot beam optimized for CREE XP-E.  
Assembly with black holder and installation  
tape.

### SPECIFICATION:

|                |         |
|----------------|---------|
| Dimensions     | mm      |
| Height         | 13.1 mm |
| Fastening      | tape    |
| ROHS compliant | yes ⓘ   |

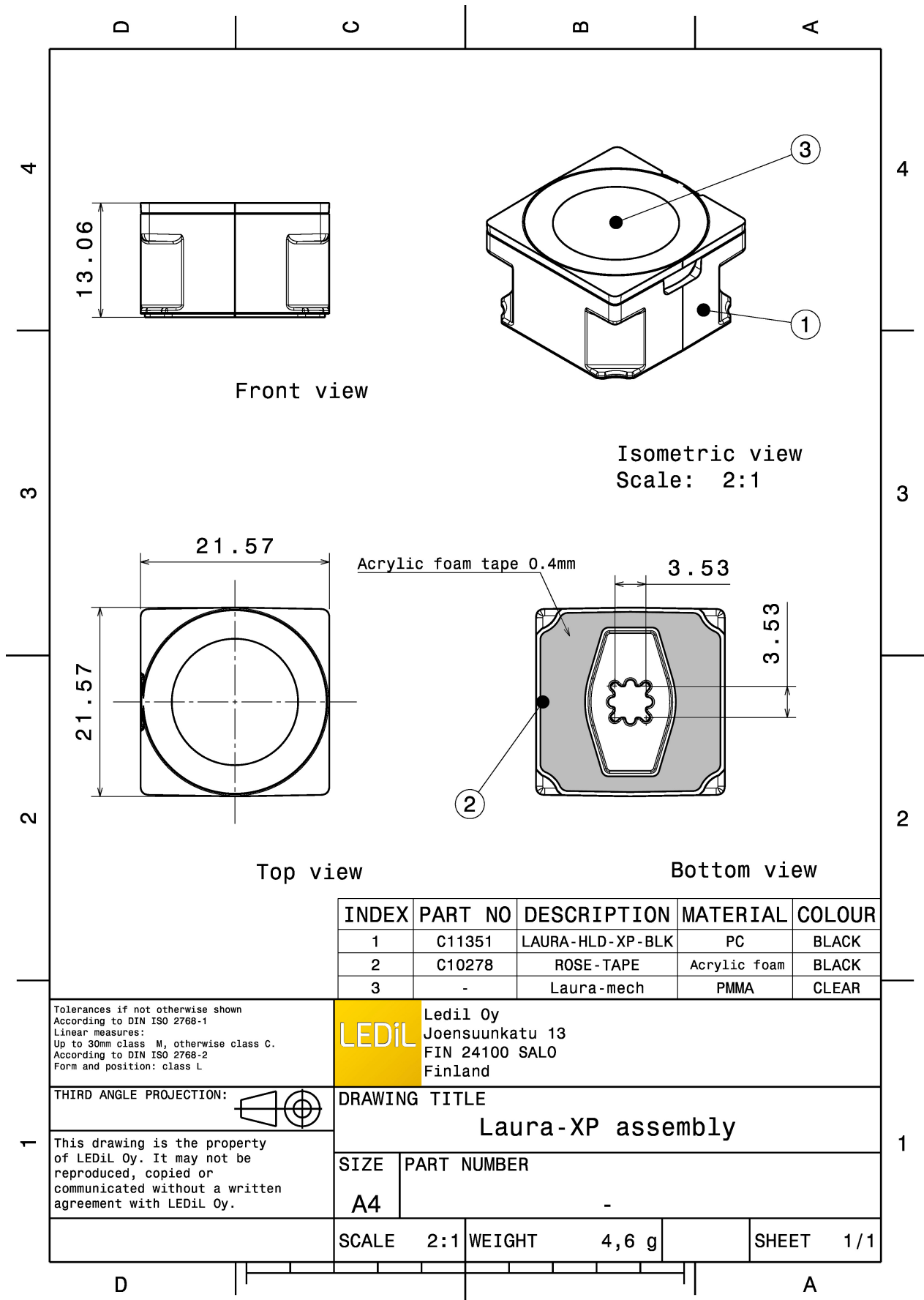


### MATERIALS:

| Component        | Type        | Material     | Colour | Finish | Length (mm) |
|------------------|-------------|--------------|--------|--------|-------------|
| LAURA-RS         | Single lens | PMMA         | clear  |        | 21.6        |
| LAURA-HLD-XP-BLK | Holder      | PC           | black  |        | 21.6        |
| ROSE-TAPE        | Tape        | Acrylic foam | black  |        | 21.6        |

### ORDERING INFORMATION:

| Component  | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|------------|-----|-----|-----------------|
| CA11353_LAURA-RS<br>» Box size: 451 x 254 x 152 mm | 1440       | 360 | 180 | 7.4             |



| INDEX | PART NO | DESCRIPTION      | MATERIAL     | COLOUR |
|-------|---------|------------------|--------------|--------|
| 1     | C11351  | LAURA-HLD-XP-BLK | PC           | BLACK  |
| 2     | C10278  | ROSE-TAPE        | Acrylic foam | BLACK  |
| 3     | -       | Laura-mech       | PMMA         | CLEAR  |

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  
Joensuunkatu 13  
FIN 24100 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**Laura-XP assembly**

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

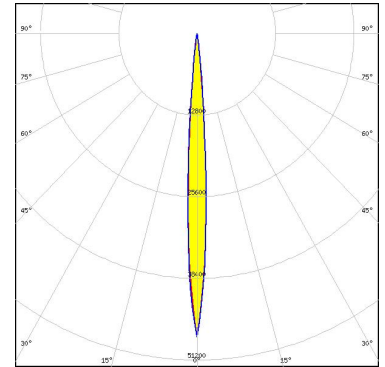
| SCALE | 2:1 | WEIGHT | 4,6 g | SHEET | 1/1 |
|-------|-----|--------|-------|-------|-----|
|-------|-----|--------|-------|-------|-----|

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 8.0° / 14.0°  
 Efficiency 93 %  
 Peak intensity 41.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

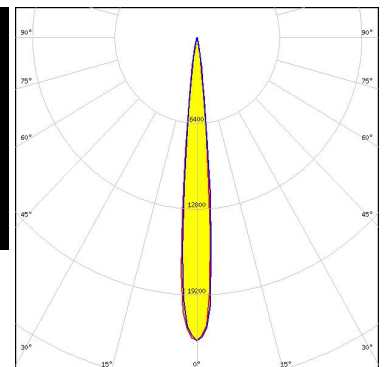


LED XP-G  
 FWHM / FWTM 10.0° / 19.0°  
 Efficiency 93 %  
 Peak intensity 18.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files



LED XP-G2  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 93 %  
 Peak intensity 22.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

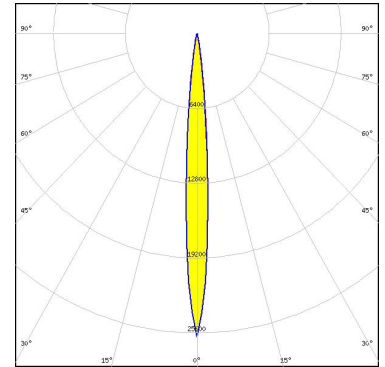


Light distribution files

### OPTICAL RESULTS (SIMULATED):



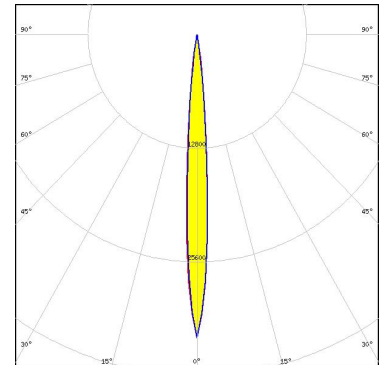
LED XD16  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 90 %  
Peak intensity 25.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



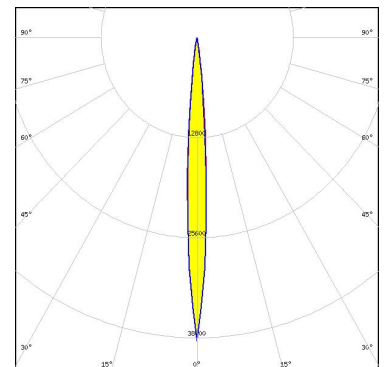
LED XE-G  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 92 %  
Peak intensity 34.2 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:



Light distribution files



LED XP-E2  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 92 %  
Peak intensity 38.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

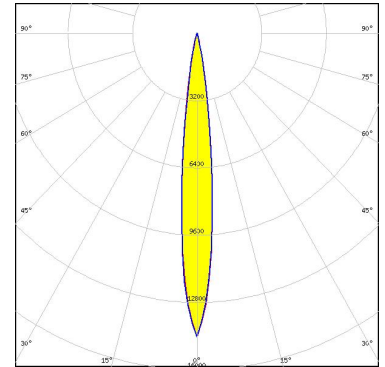


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED XP-G3  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 84 %  
Peak intensity 14.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-P  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 93 %  
Peak intensity 34.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



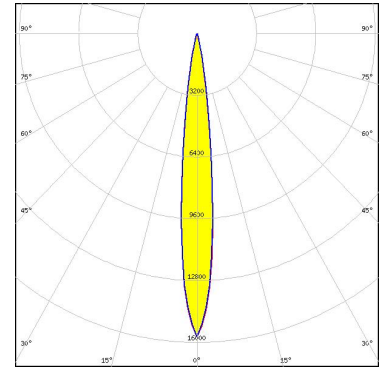
LED XQ-E HI  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 91 %  
Peak intensity 34.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

### OPTICAL RESULTS (SIMULATED):



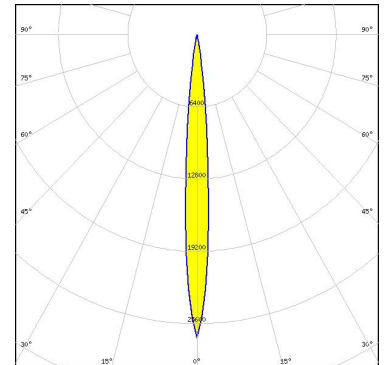
LED LUXEON HL2X  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 92 %  
Peak intensity 15.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



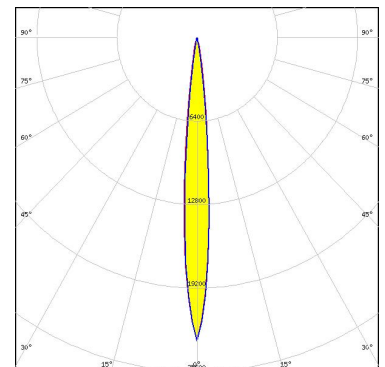
LED SST-20  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 93 %  
Peak intensity 26.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSOLON Square CSSRM2/CSSRM3  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 93 %  
Peak intensity 23.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

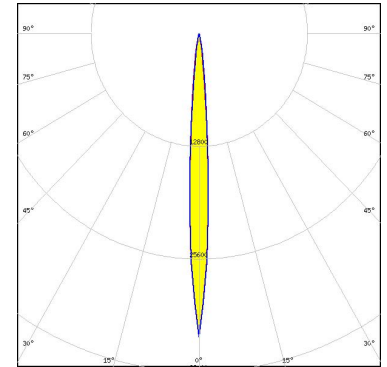


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

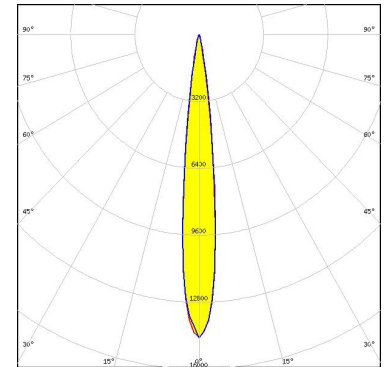
LED OSLON SSL 80  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 92 %  
Peak intensity 34.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LH351C  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 82 %  
Peak intensity 14.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:




Light distribution files

**SEUL**  
SEOUL SEMICONDUCTOR

LED Z5  
FWHM / FWTM 8.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

### OPTICAL RESULTS (SIMULATED):

|  |               |
|--|---------------|
| <br>SEOUL SEMICONDUCTOR |               |
| LED  | Z5M4          |
| FWHM / FWTM  | 13.0° / 25.0° |
| Efficiency   | 93 %          |
| Peak intensity   | 13.7 cd/m     |
| LEDs/each optic  | 1             |
| Light colour/type  | White         |
| Required components:   |               |

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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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