# LAURA-M

**~30° medium beam optimized for CREE XP-E. Assembly with black holder and installation tape.**



## SPECIFICATION:

| | |
|---|---|
| Dimensions | 21.6 x 21.6 |
| Height | 13.1 mm |
| Fastening | tape |
| ROHS compliant | yes |

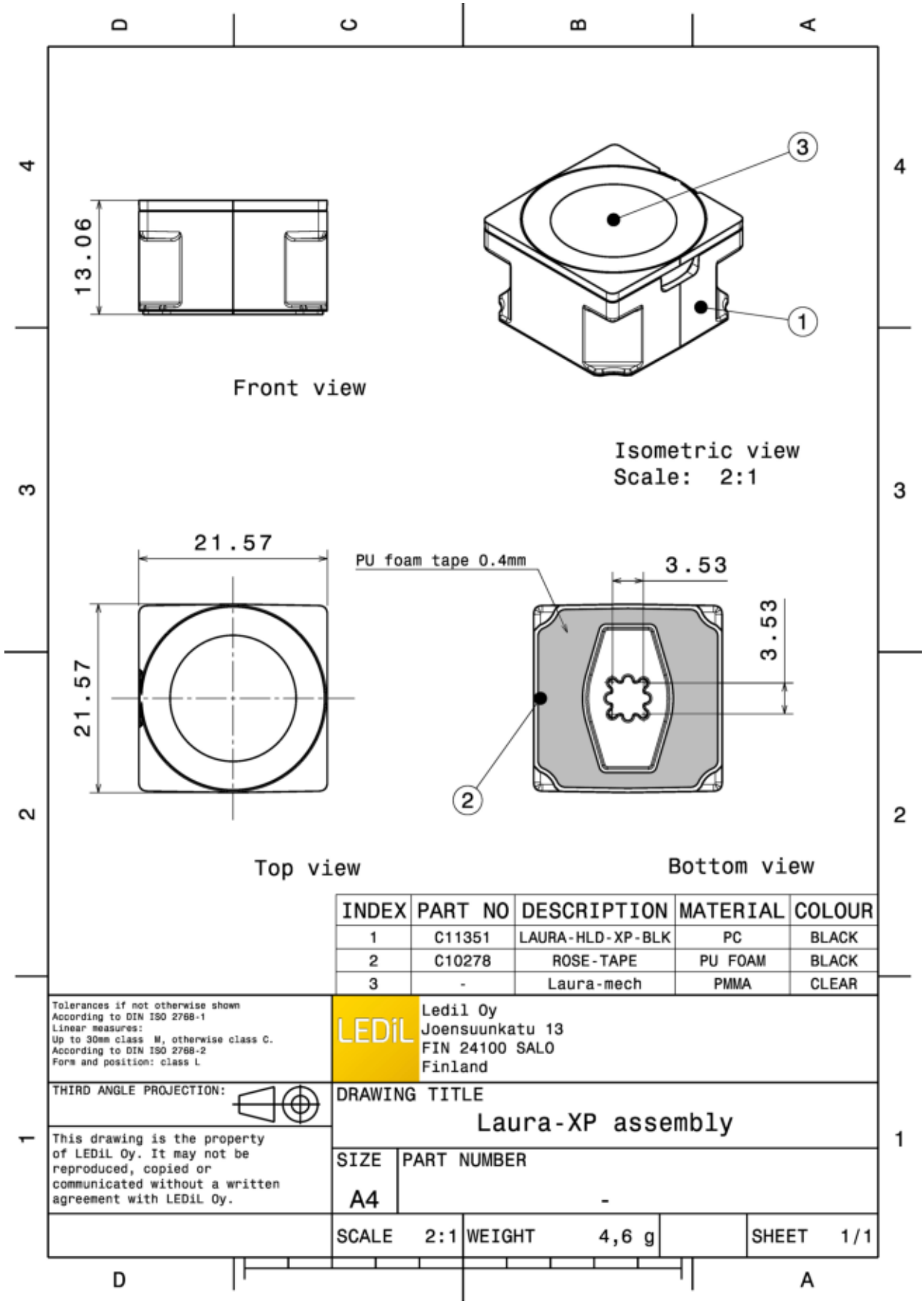
## MATERIALS:

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

## ORDERING INFORMATION:

| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|
| CA11355_LAURA-M | 1440 | | 180 | 8.1 |
| » Box size: | | | | |


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| INDEX | PART NO | DESCRIPTION | MATERIAL | COLOUR |
|---|---|---|---|---|
| 1 | C11351 | LAURA-HLD-XP-BLK | PC | BLACK |
| 2 | C10278 | ROSE-TAPE | PU 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

THIRD ANGLE PROJECTION:

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DRAWING TITLE
Laura-XP assembly

SIZE A4 | PART NUMBER -

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

See also our general installation guide: www.ledil.com/installation_guide


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## OPTICAL RESULTS (MEASURED):

CREE LEDs

| | |
|---|---|
| LED | XP-E |
| FWHM / FWTM | 30.0° / 55.0° |
| Efficiency | 83 % |
| Peak intensity | 2.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files

CREE LEDs

| | |
|---|---|
| LED | XP-E-HEW |
| FWHM / FWTM | 27.0° / 52.0° |
| Efficiency | 85 % |
| Peak intensity | 2.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files

CREE LEDs

| | |
|---|---|
| LED | XP-E2 |
| FWHM / FWTM | 28.0° / 54.0° |
| Efficiency | 83 % |
| Peak intensity | 3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files


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## OPTICAL RESULTS (MEASURED):

CREE LEDs

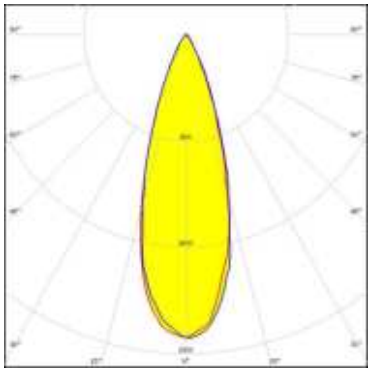
| | |
|---|---|
| LED | XP-G |
| FWHM / FWTM | 34.0° / 59.0° |
| Efficiency | 83 % |
| Peak intensity | 2.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files

CREE LEDs

| | |
|---|---|
| LED | XP-G2 |
| FWHM / FWTM | 32.0° / 57.0° |
| Efficiency | 83 % |
| Peak intensity | 2.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |





Light distribution files

CREE LEDs

| | |
|---|---|
| LED | XT-E |
| FWHM / FWTM | 28.0° / 54.0° |
| Efficiency | % |
| Peak intensity | 2.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

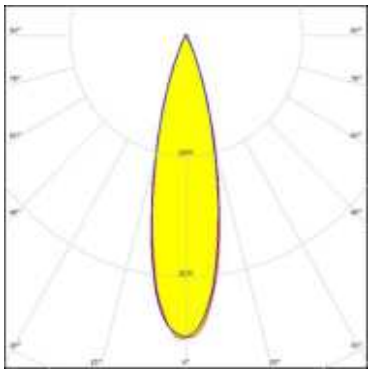
Light distribution files


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## OPTICAL RESULTS (SIMULATED):

CREE LEDs

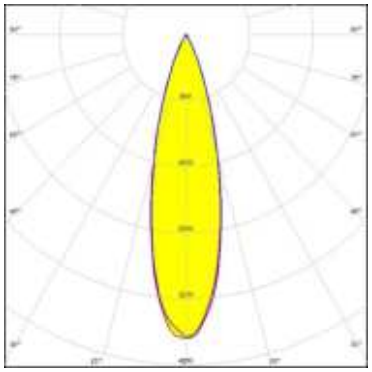
| | |
|---|---|
| LED | XD16 |
| FWHM / FWTM | 26.0° / 46.0° |
| Efficiency | 91 % |
| Peak intensity | 4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

LUMINUS

| | |
|---|---|
| LED | SST-20 Gen1 |
| FWHM / FWTM | 27.0° / 50.0° |
| Efficiency | 93 % |
| Peak intensity | 3.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

SEOUL SEMICONDUCTOR

| | |
|---|---|
| LED | Z5 |
| FWHM / FWTM | 15.0° |
| Efficiency | % |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

Light distribution files


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## 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.

## PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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