# LISA3CSP-O-90-CLIP16

**~15° x 50° oval beam with clip installation. Variant with beam direction rotated 90°.**

## SPECIFICATION:

| | |
|---|---|
| Dimensions | Ø 10.0 |
| Height | 7.2 mm |
| Fastening | clip |
| ROHS compliant | yes |

## MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|---|---|---|---|---|---|
| LISA3-HLD2-CLIP16 | Holder | PC | black | | |
| LISA3-O | Single lens | PMMA | clear | | |

## ORDERING INFORMATION:

| Component | Type | Qty in box | MOQ | MPQ | Box weight (kg) |
|---|---|---|---|---|---|
| F16556_LISA3-O | Single lens | 2000 | 300 | 100 | 1.2 |
| F18197_LISA3-HLD2-CLIP16 | Holder | 2000 | 300 | 100 | 1.2 |


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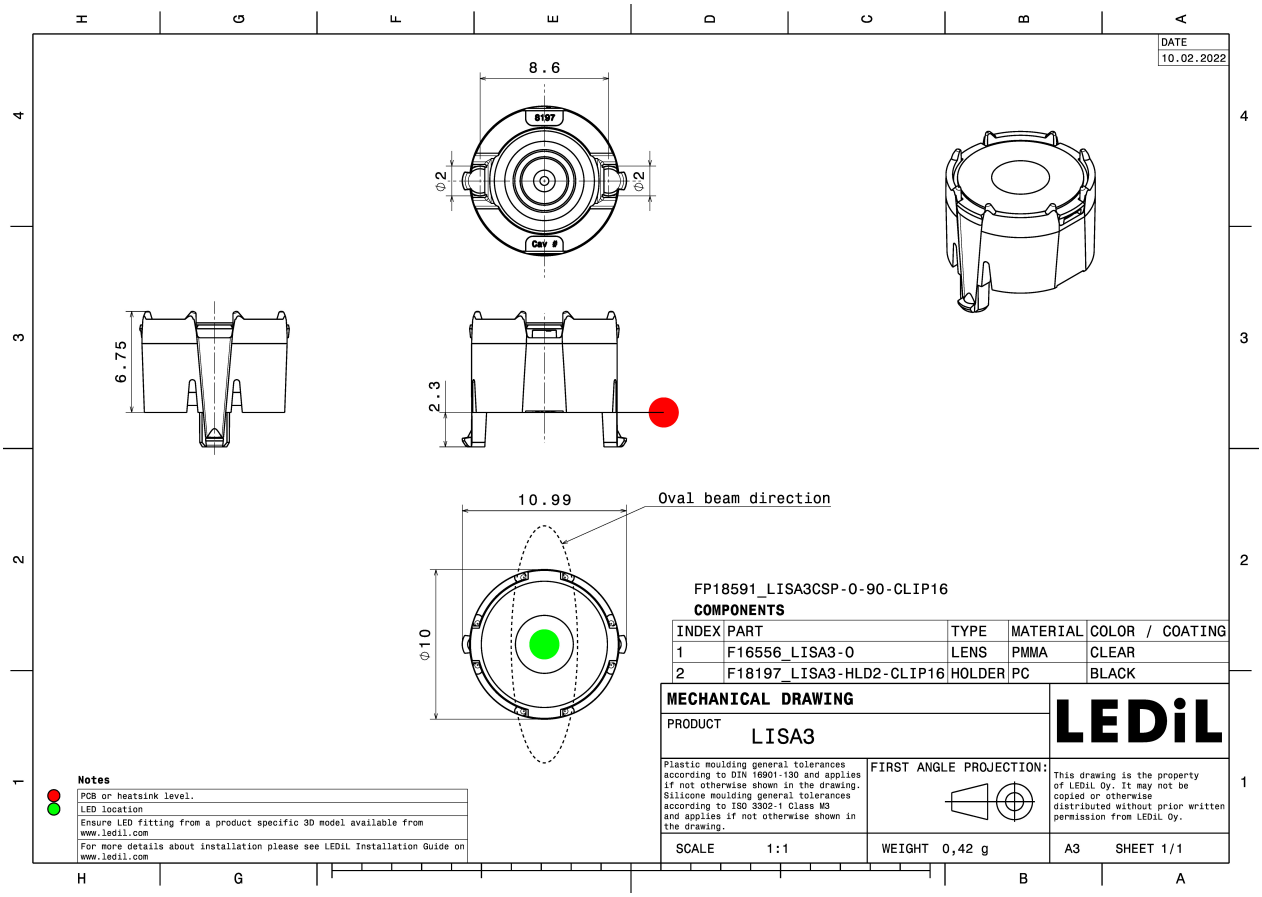


See also our general installation guide: [www.ledil.com/installation_guide](www.ledil.com/installation_guide)


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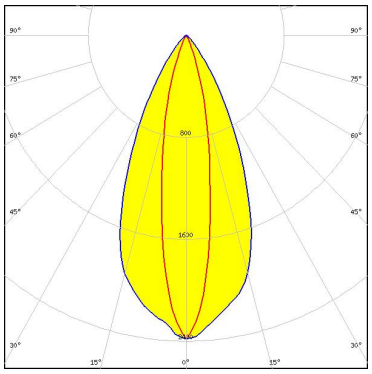
## OPTICAL RESULTS (SIMULATED):

NICHIA

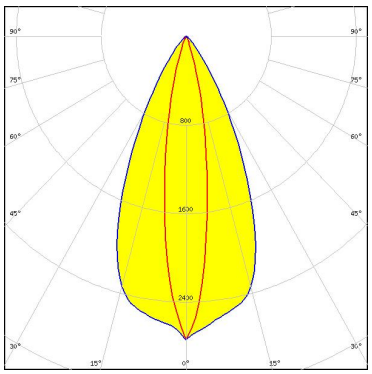
| | |
|---|---|
| LED | NCSxE17A |
| FWHM / FWTM | 19.0 + 48.0° / 42.0 + 78.0° |
| Efficiency | 81 % |
| Peak intensity | 2.4 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

SAMSUNG

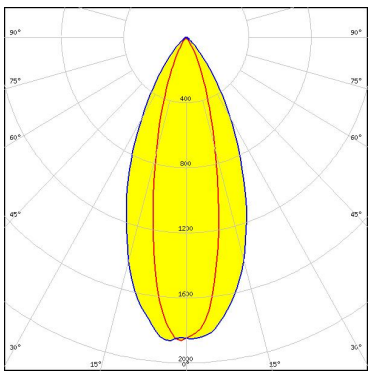
| | |
|---|---|
| LED | LH151B |
| FWHM / FWTM | 16.0 + 48.0° / 36.0 + 75.0° |
| Efficiency | 85 % |
| Peak intensity | 2.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files

SAMSUNG

| | |
|---|---|
| LED | LH181B |
| FWHM / FWTM | 26.0 + 46.0° / 53.0 + 82.0° |
| Efficiency | 82 % |
| Peak intensity | 1.9 cd/lm |
| 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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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