

LISA3CSP-RS-PIN

~15° spot beam

SPECIFICATION:

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

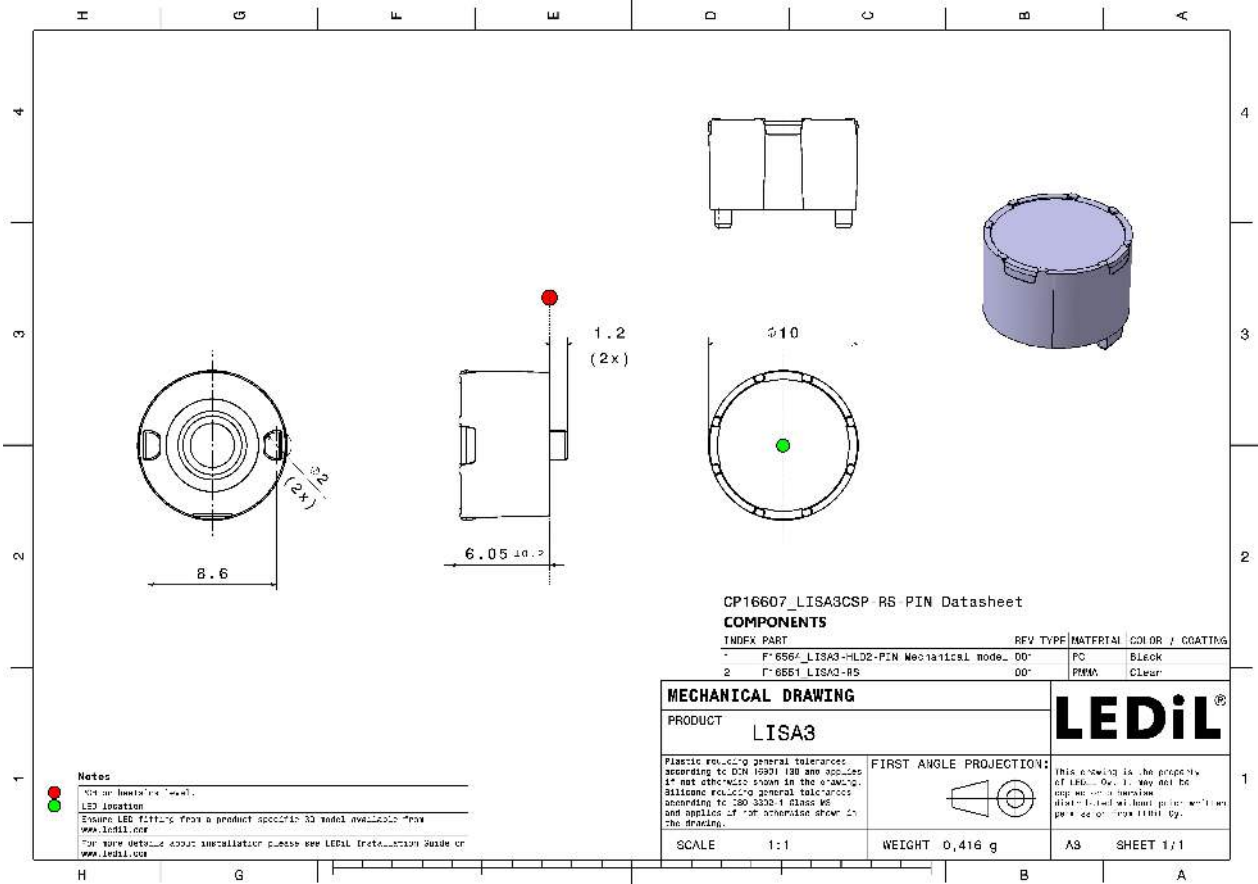
MATERIALS:

| Component | Type | Material | Colour | Finish |
|----------------|-------------|----------|--------|--------|
| LISA3-RS | Single lens | PMMA | clear | |
| LISA3-HLD2-PIN | Holder | PC | black | |

ORDERING INFORMATION:


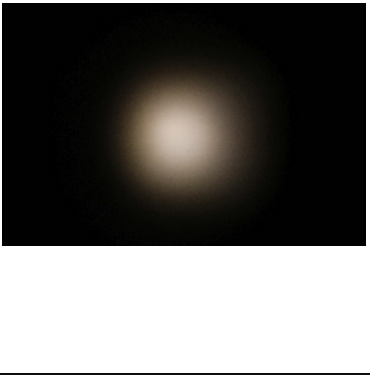
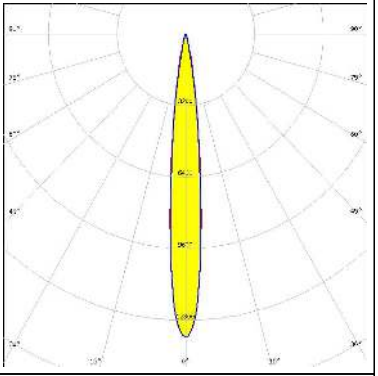


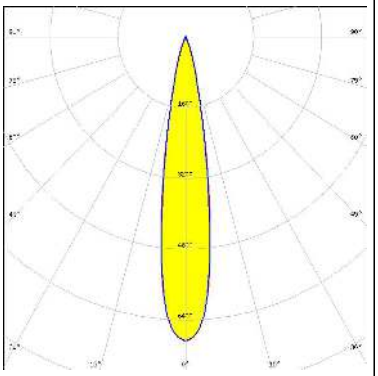


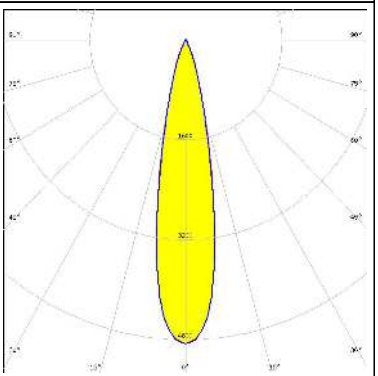

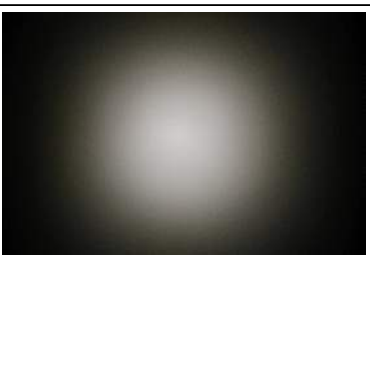
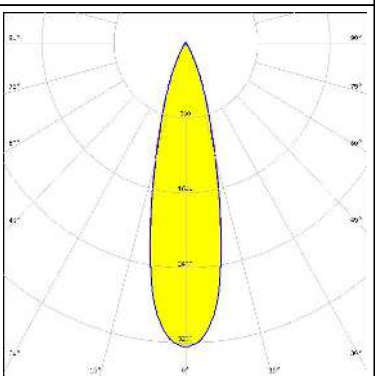
| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|-------------------------------|-------------|------------|-----|-----|-----------------|
| FP16607_LISA3CSP-RS-PIN | Single lens | 2000 | 300 | 100 | 1.2 |
| » Box size: 310 x 230 x 60 mm | | | | | |



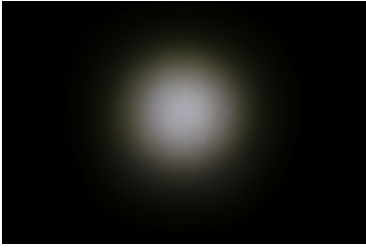
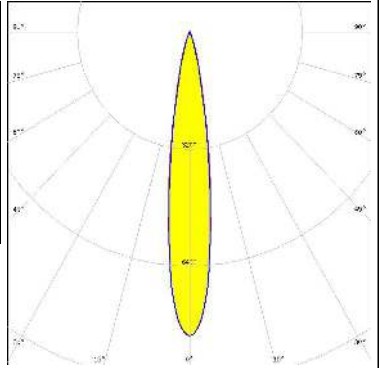

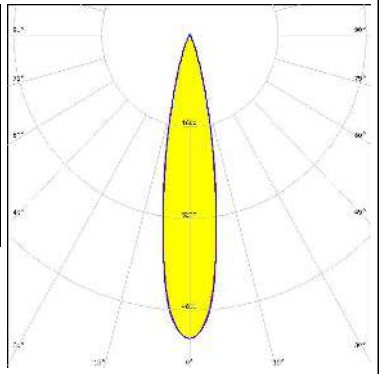

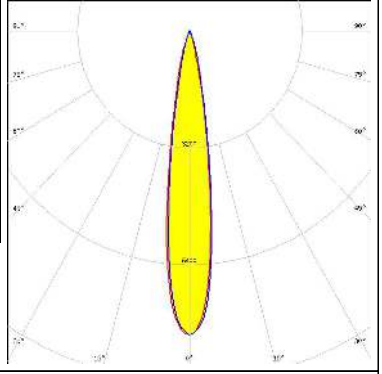

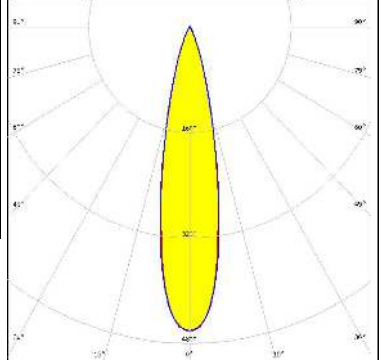


See also our general installation guide: www.ledil.com/installation_guide

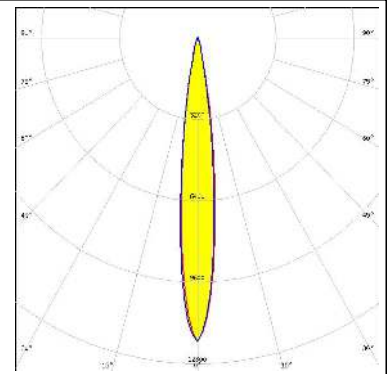
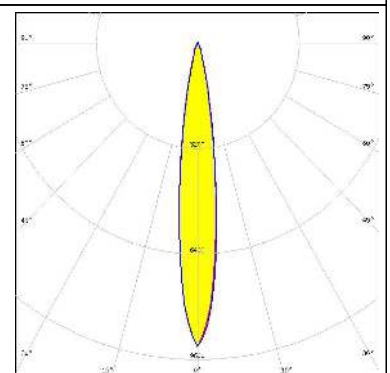
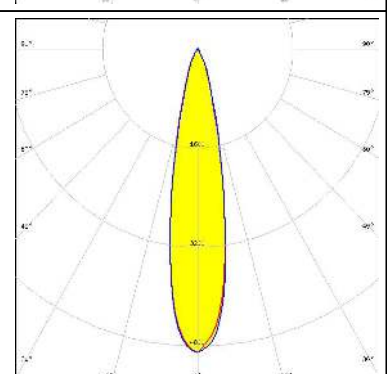
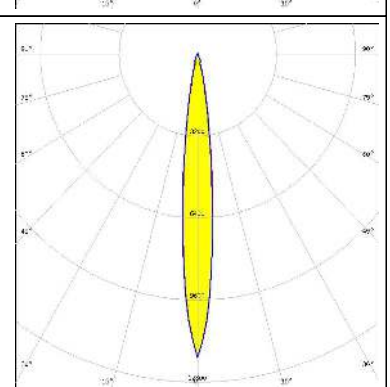
OPTICAL RESULTS (MEASURED):

| | | |
|---|--|---|
| <p></p> <p>LED CSP 1111 (BXCP)</p> <p>FWHM / FWTM 12.0° / 24.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 13.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |
| <p></p> <p>LED CSP 1919 (BXCP)</p> <p>FWHM / FWTM 18.0° / 34.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 6.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |
| <p></p> <p>LED CSP 2323 (BXCP)</p> <p>FWHM / FWTM 22.0° / 42.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |
| <p></p> <p>LED CSP 2727 (BXCP)</p> <p>FWHM / FWTM 26.0° / 51.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |

OPTICAL RESULTS (MEASURED):

| | | |
|--|--|---|
| <p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 16.0° / 31.0° Efficiency 89 % Peak intensity 8.4 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 21.0° / 39.0° Efficiency 89 % Peak intensity 5.3 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>SAMSUNG</p> <p>LED LH151B FWHM / FWTM 16.0° / 31.0° Efficiency 89 % Peak intensity 8.3 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>SAMSUNG</p> <p>LED LH181B FWHM / FWTM 22.0° / 42.0° Efficiency 89 % Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components:</p> |  |  |

OPTICAL RESULTS (SIMULATED):

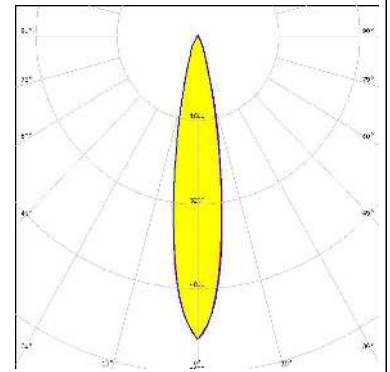
| | |
|---|---|
| <p>LUMILEDS</p> <p>LED LUXEON CSP HL1</p> <p>FWHM / FWTM 13.0° / 26.0 + 25.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 11.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>LUMILEDS</p> <p>LED LUXEON HL1Z</p> <p>FWHM / FWTM 14.0° / 29.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 9.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>LUMILEDS</p> <p>LED LUXEON HL2Z</p> <p>FWHM / FWTM 20.0° / 42.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>NICHIA</p> <p>LED NFSWE11A</p> <p>FWHM / FWTM 12.0° / 25.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 11.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

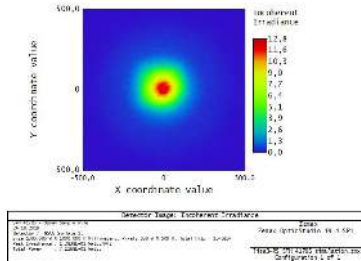
LED OSCONIQ C 2424
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 90 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

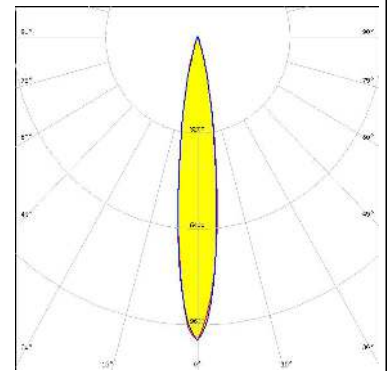
Opto Semiconductors

LED SFH 4170S
 FWHM / FWTM 16.0°
 Efficiency 76 %
 LEDs/each optic 1
 Light colour IR
 Required components:



SAMSUNG

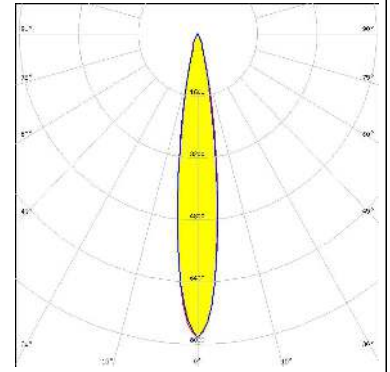
LED LM101B
 FWHM / FWTM 14.0° / 30.0°
 Efficiency 89 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEMI

SEOUL SEMICONDUCTOR

LED Z8Y11
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 81 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (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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