

LISA3CSP-WW-PIN

~45° wide beam

SPECIFICATION:

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

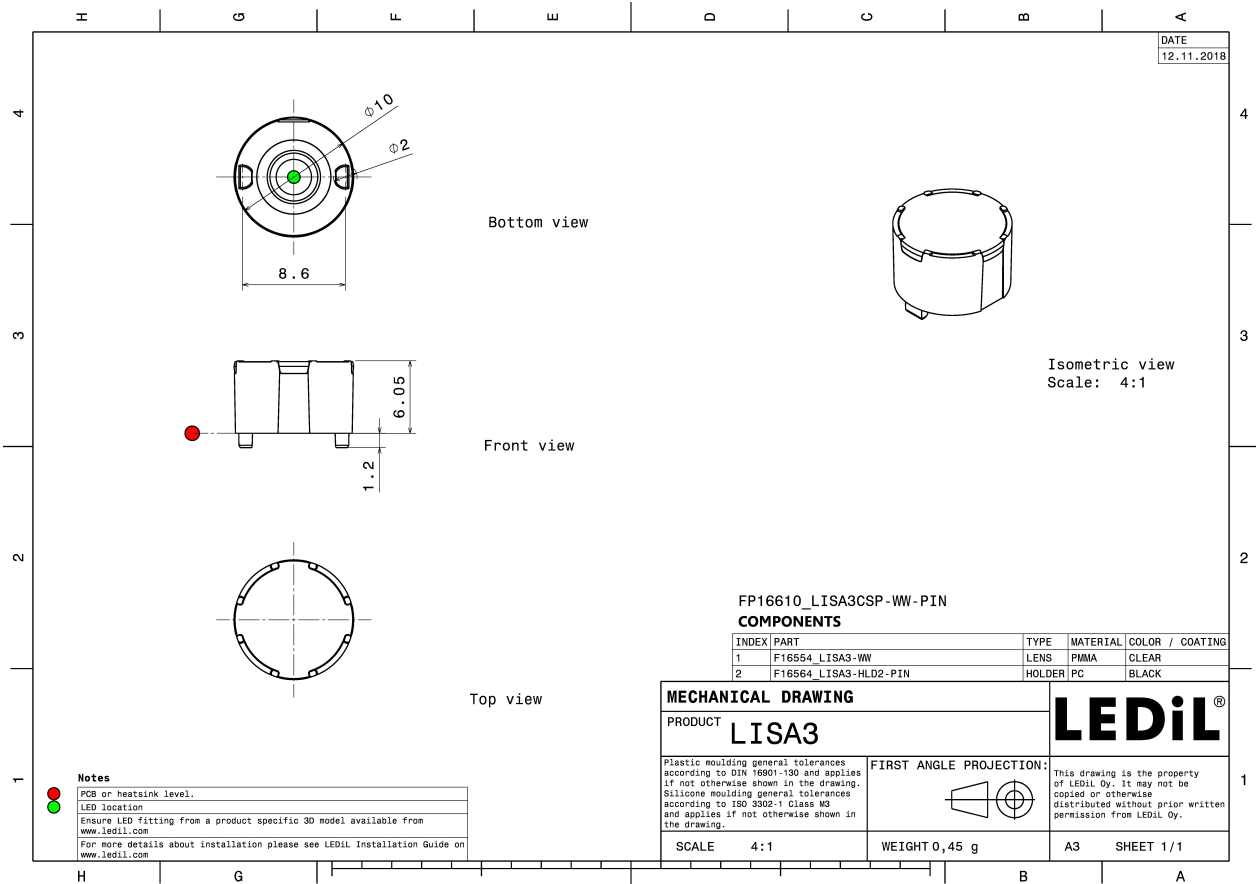
MATERIALS:

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

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|-------------------------------|-------------|------------|-----|-----|-----------------|
| FP16610_LISA3CSP-WW-PIN | Single lens | 2000 | 300 | 100 | 1.4 |
| » Box size: 310 x 230 x 60 mm | | | | | |



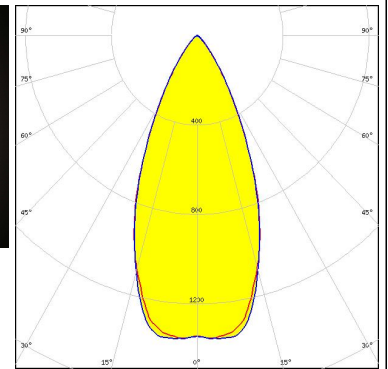
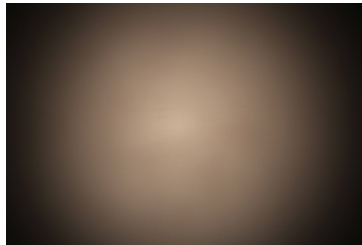


See also our general installation guide: www.ledil.com/installation_guide

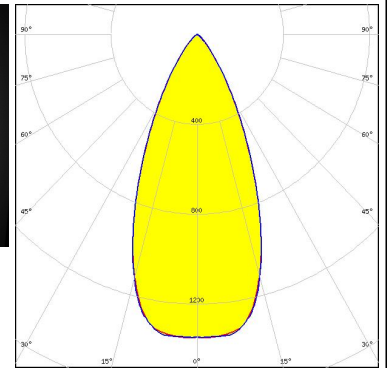
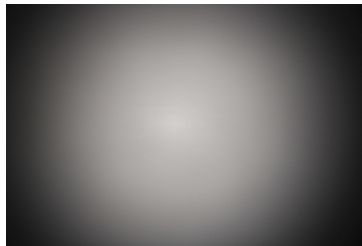
OPTICAL RESULTS (MEASURED):



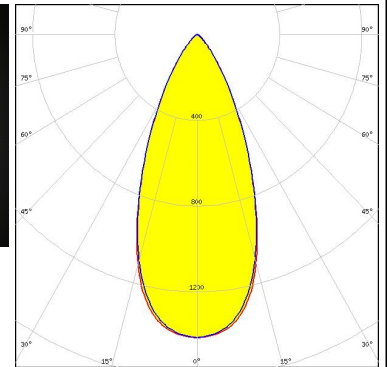
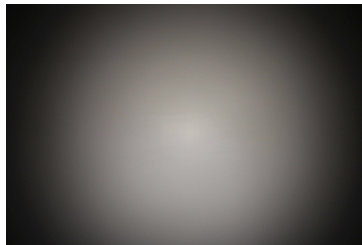
LED CSP 1111 (BXCP)
 FWHM / FWTM 45.0° / 75.0°
 Efficiency 88 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



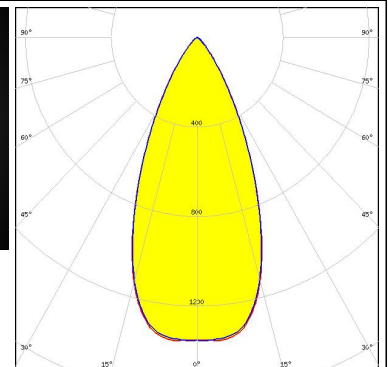
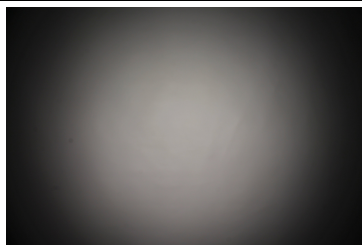
LED CSP 1919 (BXCP)
 FWHM / FWTM 46.0° / 76.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED CSP 2323 (BXCP)
 FWHM / FWTM 44.0° / 76.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



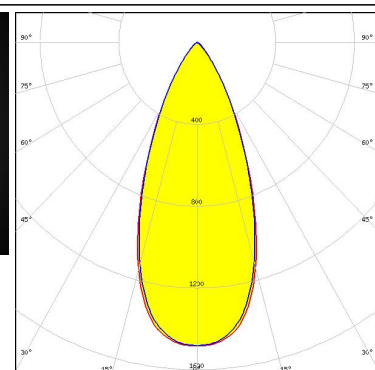
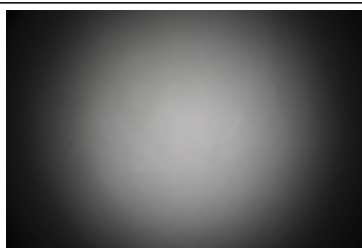
LED NCSxE17A
 FWHM / FWTM 46.0° / 76.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



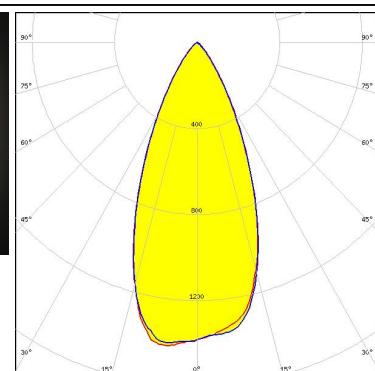
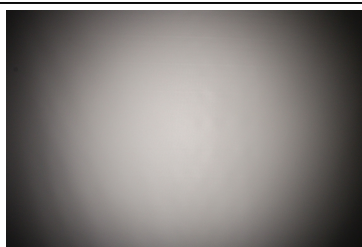
OPTICAL RESULTS (MEASURED):



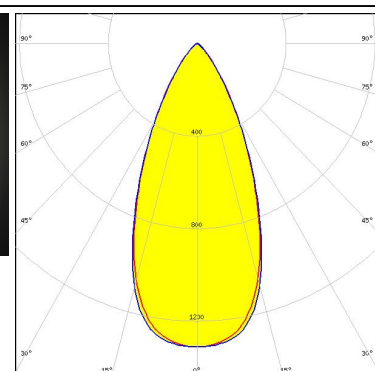
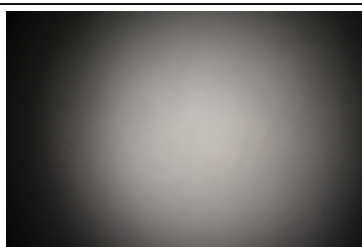
LED NVSxE21A
 FWHM / FWTM 43.0° / 75.0°
 Efficiency 90 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LH151B
 FWHM / FWTM 46.0° / 75.0°
 Efficiency 89 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



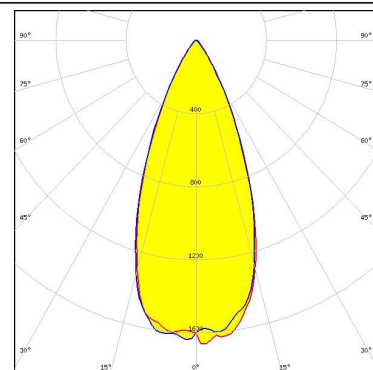
LED LH181B
 FWHM / FWTM 46.0° / 79.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

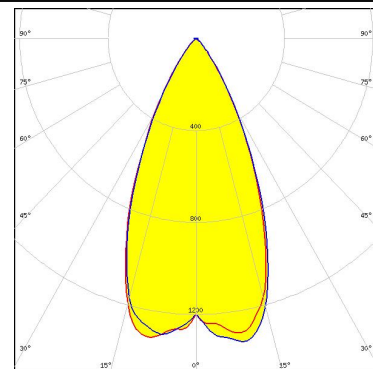
LUMILEDS

LED LUXEON CSP HL1
FWHM / FWTM 42.0 + 44.0° / 70.0°
Efficiency 95 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



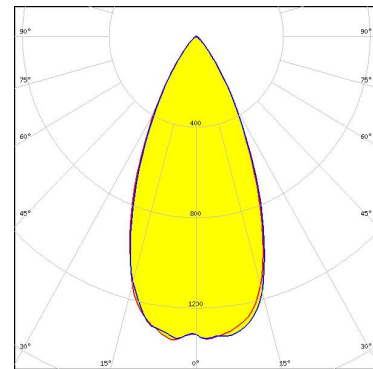
LUMILEDS

LED LUXEON HL1Z
FWHM / FWTM 48.0° / 76.0 + 75.0°
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



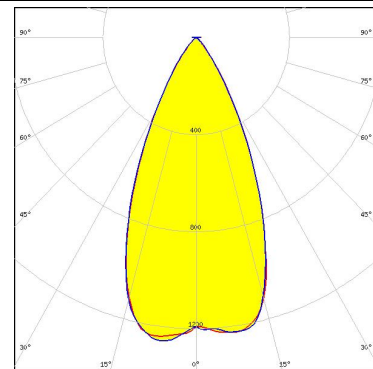
LUMILEDS

LED LUXEON HL2Z
FWHM / FWTM 48.0° / 77.0°
Efficiency 92 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

LED NFSWE11A
FWHM / FWTM 48.0° / 75.0°
Efficiency 85 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

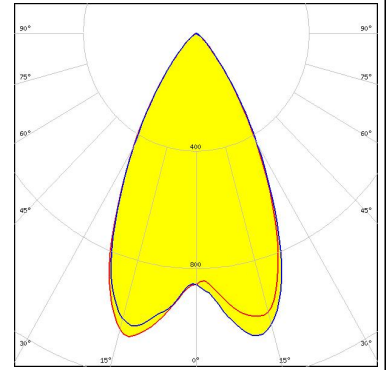


OPTICAL RESULTS (SIMULATED):

OSRAM

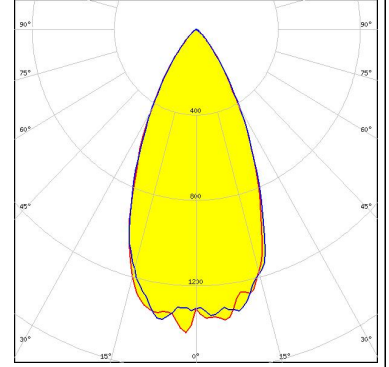
Opto Semiconductors

LED OSCONIQ C 2424
FWHM / FWTM 56.0° / 84.0°
Efficiency 91 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



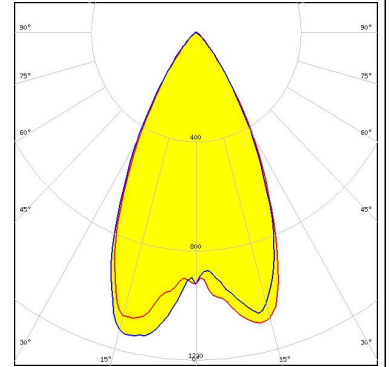
SAMSUNG

LED LH231B
FWHM / FWTM 48.0° / 76.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



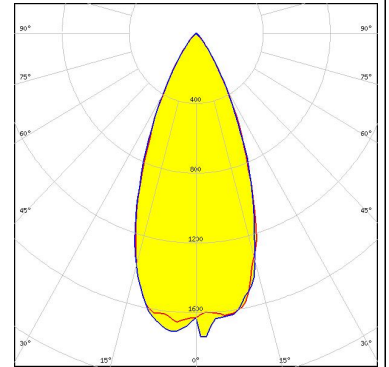
SAMSUNG

LED LM101B
FWHM / FWTM 53.0° / 80.0°
Efficiency 90 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y15
FWHM / FWTM 44.0° / 53.0°
Efficiency 87 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

| | |
|---|--|
| <p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y19</p> <p>FWHM / FWTM 45.0° / 73.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22</p> <p>FWHM / FWTM 44.0° / 76.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |

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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