

SANDRA-12-O

~40° + 20° oval beam

TECHNICAL SPECIFICATIONS:

| | |
|----------------|-----------|
| Dimensions | Ø 67.0 mm |
| Height | 11.1 mm |
| Fastening | pin |
| ROHS compliant | yes ⓘ |

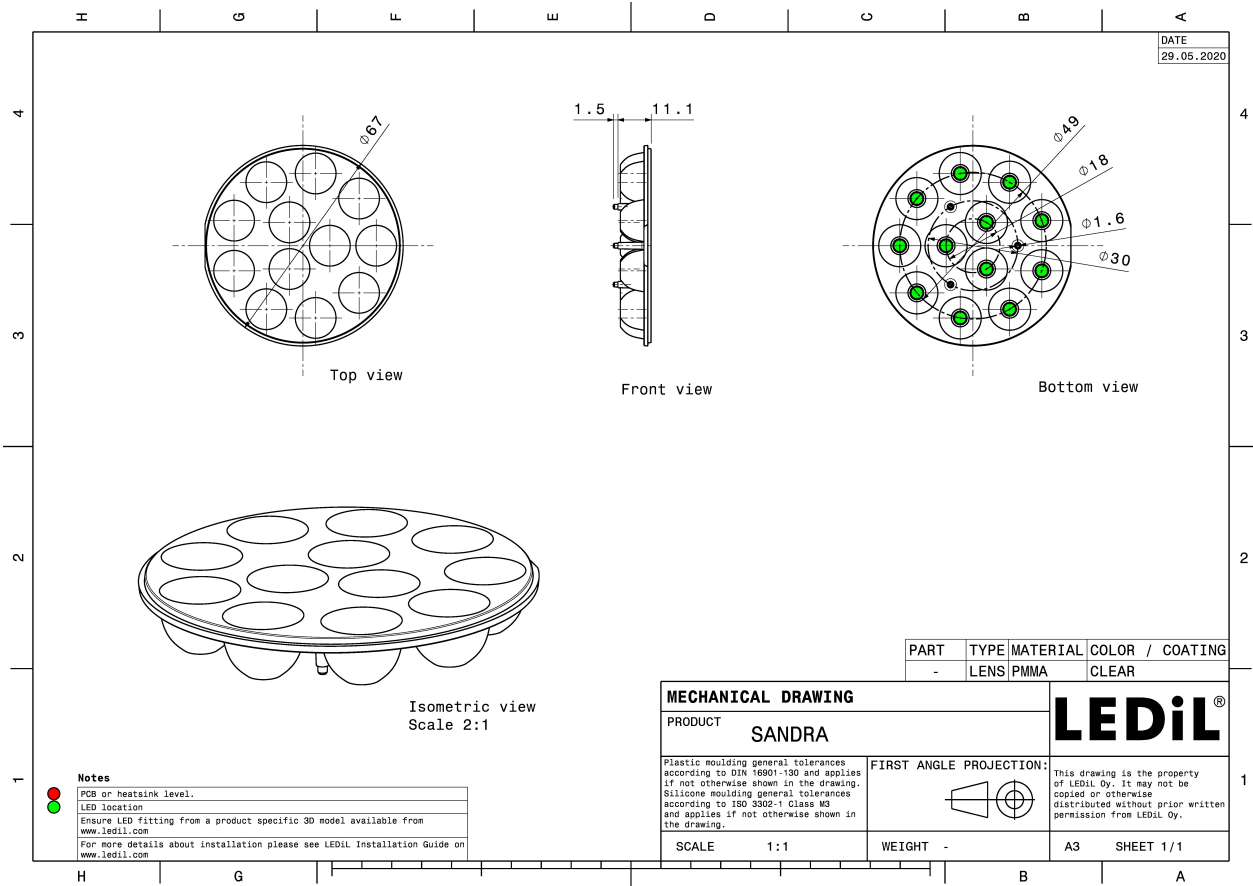
MATERIAL SPECIFICATIONS:

| Component | Type | Material | Colour | Finish |
|-------------|------------|----------|--------|--------|
| SANDRA-12-O | Multi-lens | PMMA | clear | |

ORDERING INFORMATION:



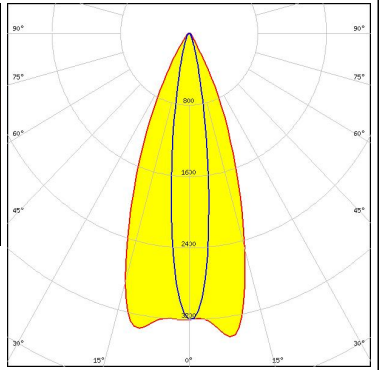


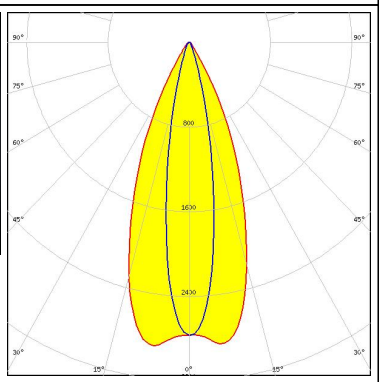
| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|--|------------|-----|-----|-----------------|
| C14250_SANDRA-12-O » Box size: 480 x 280 x 300 mm | 306 | | 18 | 7.4 |





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

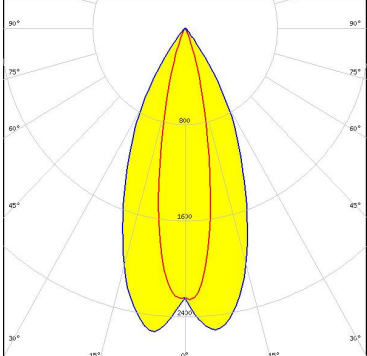
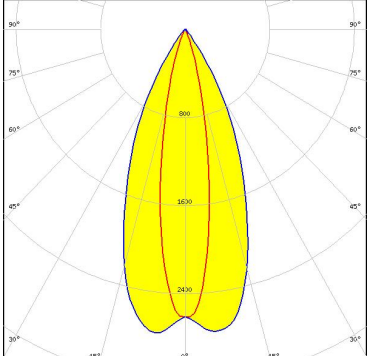
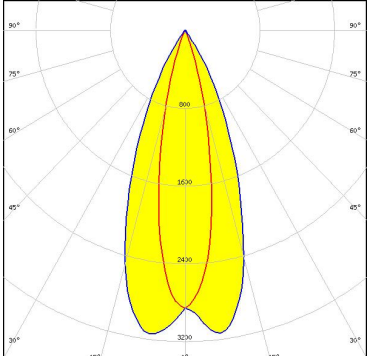
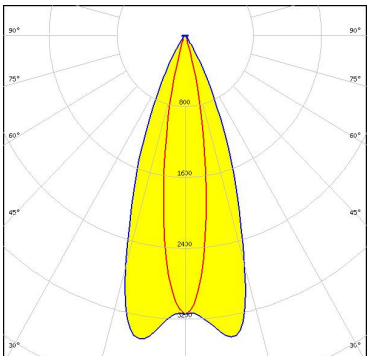
PHOTOMETRIC DATA (MEASURED):

| | | |
|--|---|--|
| <p>CREE  LED</p> <p>LED: XP-E2 FWHM / FWTM: 40.0 + 15.0° Efficiency: 91 % Peak intensity: 3.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |  |
| <p>CREE  LED</p> <p>LED: XP-G2 FWHM / FWTM: 42.0 + 19.0° Efficiency: 90 % Peak intensity: 2.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |  |

PHOTOMETRIC DATA (SIMULATED):

| | |
|--|--|
| <p>CREE LED</p> <p>LED: XD16 FWHM / FWTM: 18.0 + 11.0° / 33.0 + 20.0° Efficiency: 94 % Peak intensity: 12 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> | |
| <p>CREE LED</p> <p>LED: XP-G3 FWHM / FWTM: 44.0 + 21.0° / 71.0 + 40.0° Efficiency: 94 % Peak intensity: 2.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> | |
| <p>CREE LED</p> <p>LED: XP-L2 FWHM / FWTM: 22.0 + 42.0° / 47.0 + 72.0° Efficiency: 94 % Peak intensity: 2.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> | |
| <p>CREE LED</p> <p>LED: XT-E FWHM / FWTM: 39.0 + 17.0° / 65.0 + 32.0° Efficiency: 92 % Peak intensity: 3.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> | |

PHOTOMETRIC DATA (SIMULATED):

| | |
|---|---|
| <p>LUMILEDS</p> <p>LED LUXEON HL2X</p> <p>FWHM / FWTM 22.0 + 46.0° / 40.0 + 74.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>SAMSUNG</p> <p>LED LH351C</p> <p>FWHM / FWTM 20.0 + 46.0° / 39.0 + 71.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM 22.0 + 42.0° / 40.0 + 66.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 3.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |
| <p>SEOUL SEMICONDUCTOR</p> <p>LED Z8Y19</p> <p>FWHM / FWTM 18.0 + 40.0° / 34.0 + 60.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |

PHOTOMETRIC DATA (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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