

AMY-50-ZOOM

Infinitely adjustable beam from 20 to 50 degrees

SPECIFICATION:

| | |
|----------------|---|
| Dimensions | Ø 49.9 |
| Height | 13.6 mm |
| Fastening | socket |
| ROHS compliant | yes  |

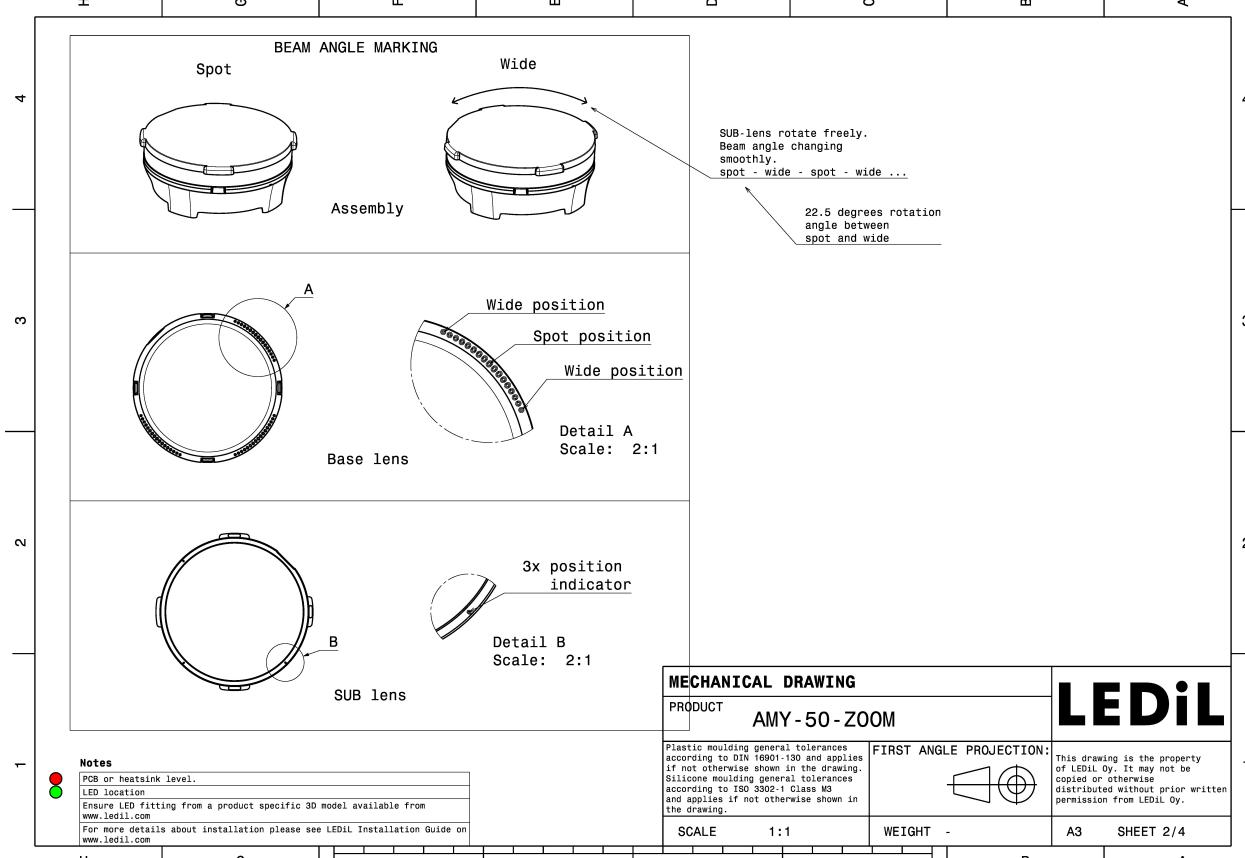
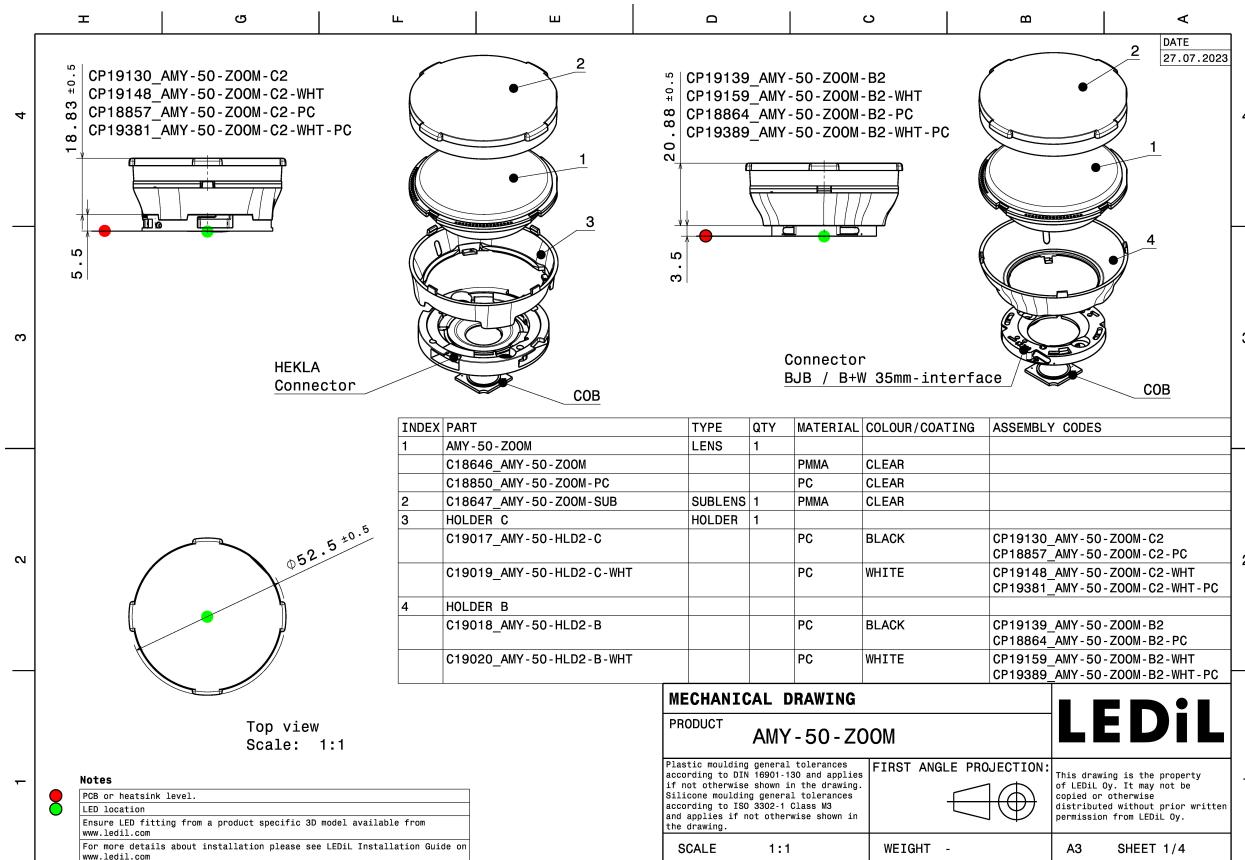


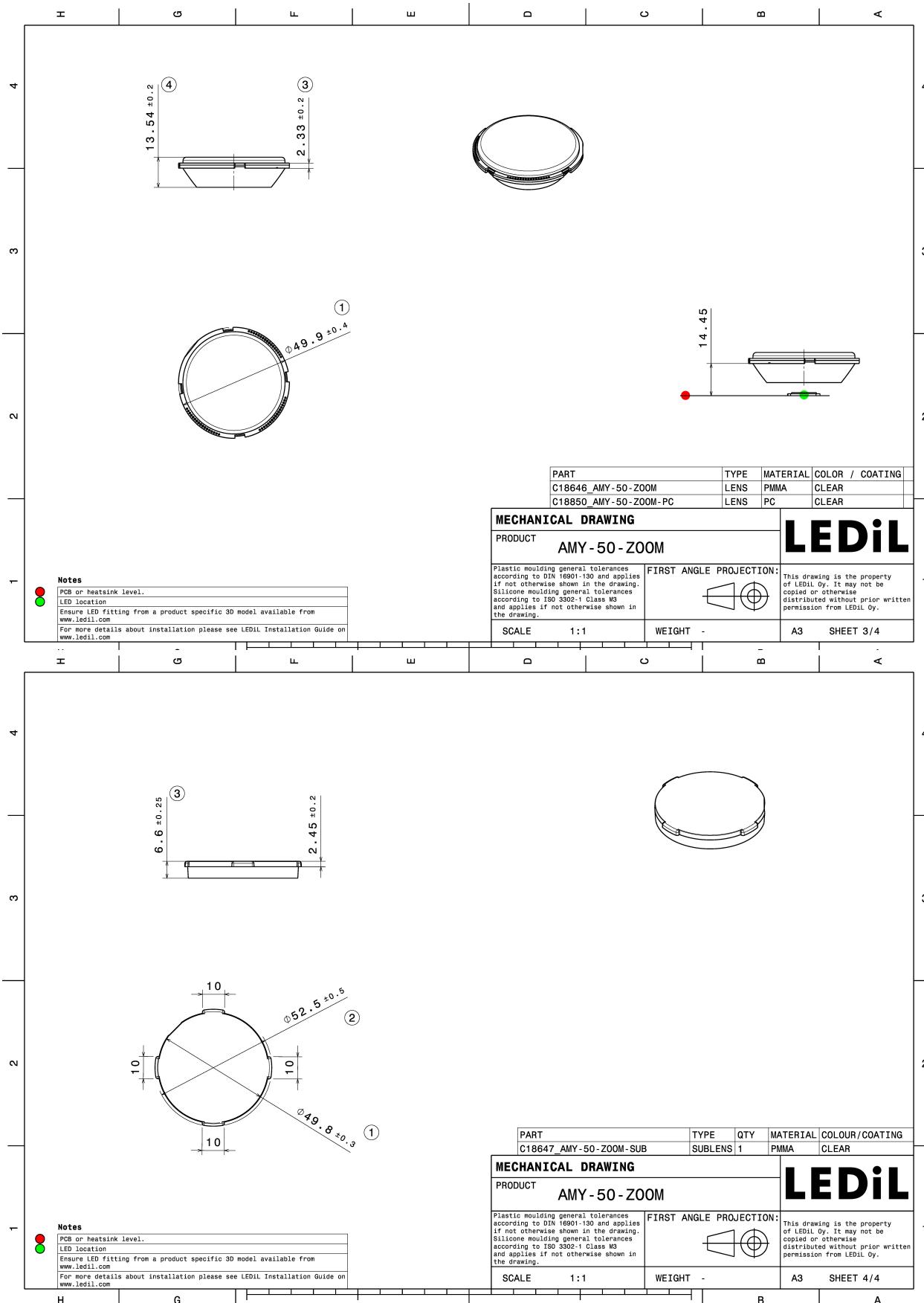
MATERIALS:

| Component | Type | Material | Colour | Finish | Length (mm) |
|-------------------|-------------|----------|--------|--------|-------------|
| AMY-50-ZOOM | Single lens | PMMA | clear | gloss | |
| AMY-50-ZOOM-SUB | Sublens | PMMA | clear | matt | |
| AMY-50-HLD2-C | Holder C | PC | black | | |
| AMY-50-HLD2-B | Holder B | PC | black | | |
| AMY-50-HLD2-C-WHT | Holder C | PC | white | | |
| AMY-50-HLD2-B-WHT | Holder B | PC | white | | |

ORDERING INFORMATION:

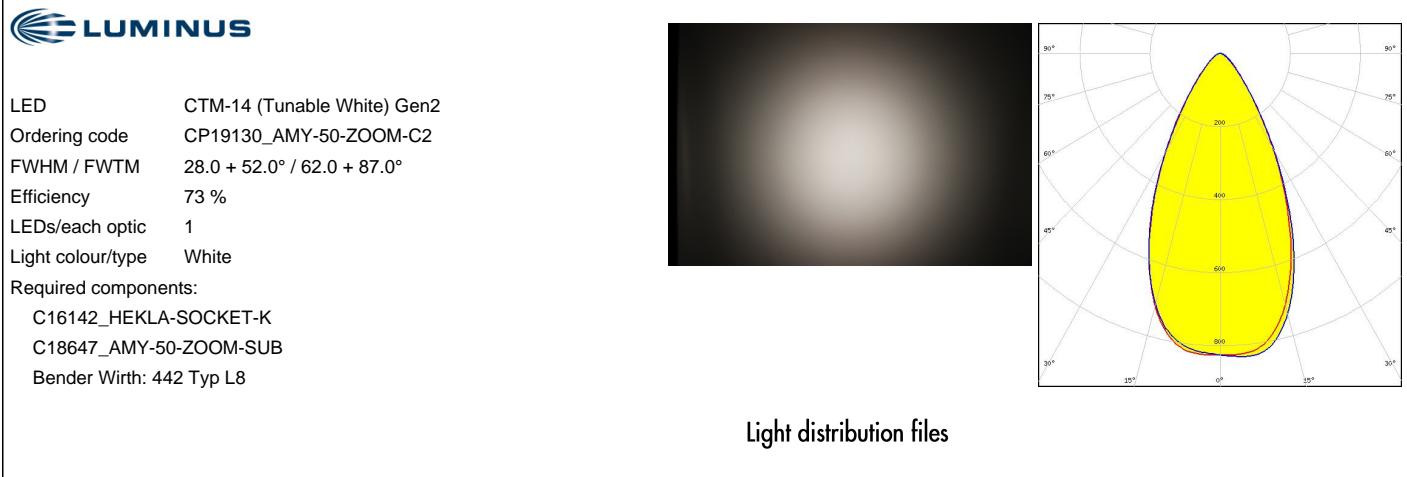
| Component | Qty in box | MOQ | MPQ | Box weight (kg) |
|----------------------------|------------|-----|-----|-----------------|
| C18646_AMY-50-ZOOM | 420 | 120 | 30 | 7.6 |
| C18647_AMY-50-ZOOM-SUB | 420 | 120 | 30 | 4.4 |
| Assembly | | | | |
| CP19159_AMY-50-ZOOM-B2-WHT | 420 | 120 | 30 | 9.0 |
| CP19148_AMY-50-ZOOM-C2-WHT | 420 | 120 | 30 | 8.7 |
| CP19139_AMY-50-ZOOM-B2 | 420 | 120 | 30 | 9.0 |
| CP19130_AMY-50-ZOOM-C2 | 420 | 120 | 30 | 8.7 |





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

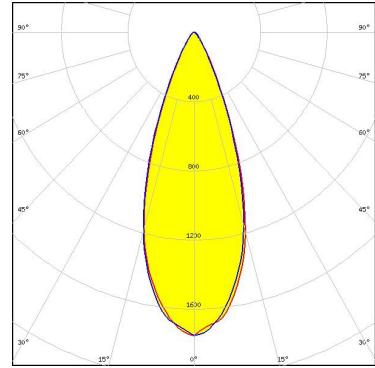
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):



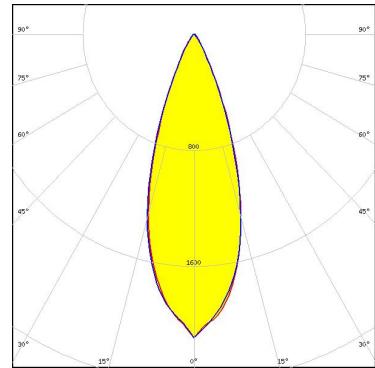
| | |
|----------------------|-----------------------------|
| LED | V10 Gen 8-9 |
| Ordering code | CP19130_AMY-50-ZOOM-C2 |
| FWHM / FWTM | 18.0 + 50.0° / 40.0 + 76.0° |
| Efficiency | 82 % |
| Peak intensity | 4.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |
| | F19857_HEKLA-G2B-C2 |
| | C18647_AMY-50-ZOOM-SUB |



Light distribution files



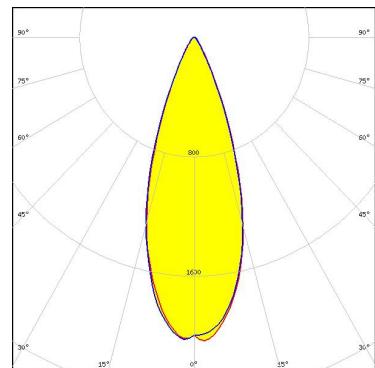
| | |
|----------------------|-----------------------------|
| LED | V6 HD Gen 8 |
| Ordering code | CP19130_AMY-50-ZOOM-C2 |
| FWHM / FWTM | 16.0 + 48.0° / 35.0 + 73.0° |
| Efficiency | 85 % |
| Peak intensity | 6.6 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |
| | F19858_HEKLA-G2B-C3 |
| | C18647_AMY-50-ZOOM-SUB |



Light distribution files



| | |
|----------------------|-----------------------------|
| LED | V6 HD Gen 8 |
| Ordering code | CP19148_AMY-50-ZOOM-C2-WHT |
| FWHM / FWTM | 16.0 + 48.0° / 35.0 + 74.0° |
| Efficiency | 88 % |
| Peak intensity | 6.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |
| | F19858_HEKLA-G2B-C3 |
| | C18647_AMY-50-ZOOM-SUB |

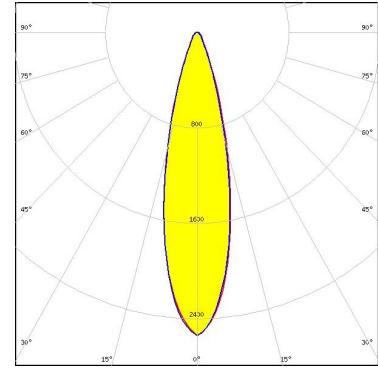


Light distribution files

OPTICAL RESULTS (SIMULATED):



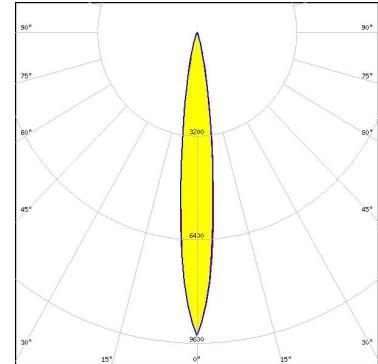
| | |
|----------------------|-----------------------------|
| LED | Vesta SE 13mm TW |
| Ordering code | CP19130_AMY-50-ZOOM-C2 |
| FWHM / FWTM | 26.0 + 48.0° / 50.0 + 83.0° |
| Efficiency | 77 % |
| Peak intensity | 2.5 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | Tunable White |
| Required components: | |
| | C16142_HEKLA-SOCKET-K |
| | C18647_AMY-50-ZOOM-SUB |



Light distribution files



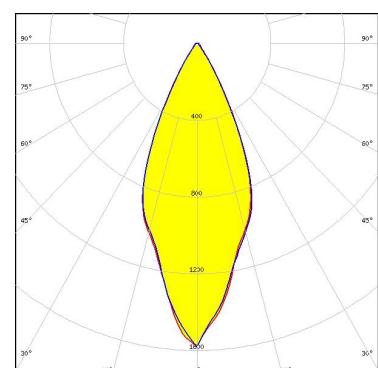
| | |
|----------------------|-----------------------------|
| LED | CxM-9 (13.5x13.5) |
| FWHM / FWTM | 12.0 + 34.0° / 28.0 + 50.0° |
| Efficiency | 74 % |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |



Light distribution files



| | |
|----------------------|-----------------------------|
| LED | Duris S8 |
| Ordering code | CP19130_AMY-50-ZOOM-C2 |
| FWHM / FWTM | 13.0 + 43.0° / 28.0 + 68.0° |
| Efficiency | 83 % |
| Peak intensity | 9.7 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |
| | C16142_HEKLA-SOCKET-K |
| | C18647_AMY-50-ZOOM-SUB |



Light distribution files

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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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.

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