

TINA2-RS

~14° spot beam optimized for Osram Golden Dragon+. Assembly with holder and installation tape.

SPECIFICATION:

| | |
|----------------|-----------|
| Dimensions | Ø 16.1 mm |
| Height | 10.1 mm |
| Fastening | tape |
| ROHS compliant | yes ⓘ |

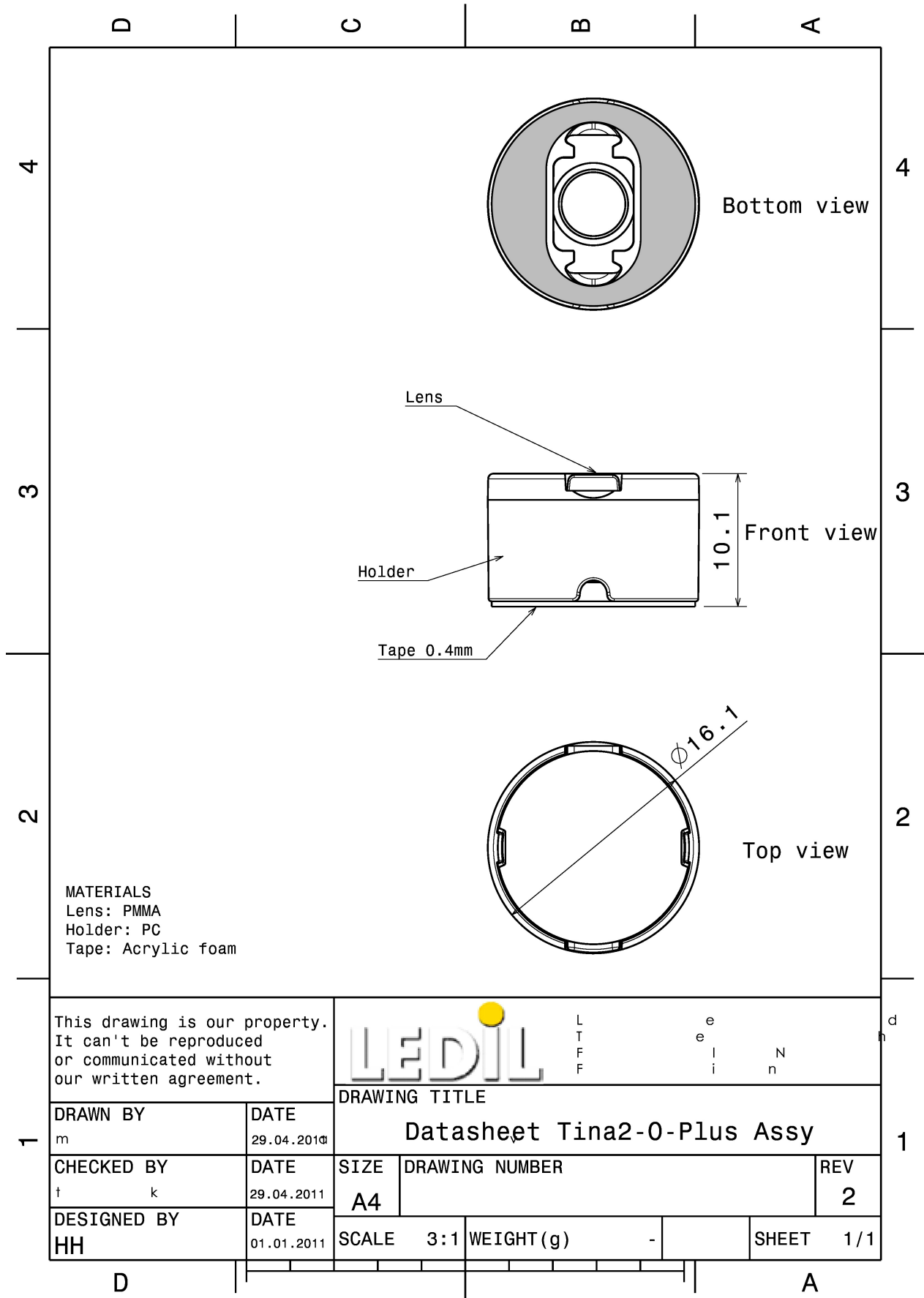


MATERIALS:

| Component | Type | Material | Colour | Finish |
|----------------------|-------------|--------------|--------|--------|
| TINA2-O-PLUS-RS | Single lens | PMMA | clear | |
| TINA2-O-PLUS-HLD-WHT | Holder | PC | white | |
| TINA-TAPE3 | Tape | Acrylic foam | black | |

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| CA11847_TINA2-RS | Single lens | 4140 | 230 | 230 | 0.0 |
| » Box size: 451 x 241 x 298 mm | | | | | |



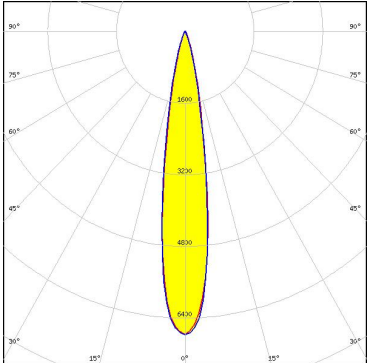
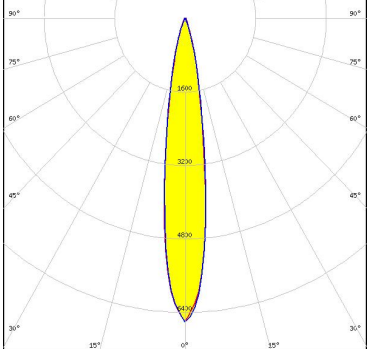
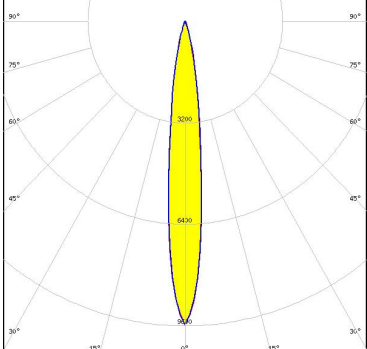
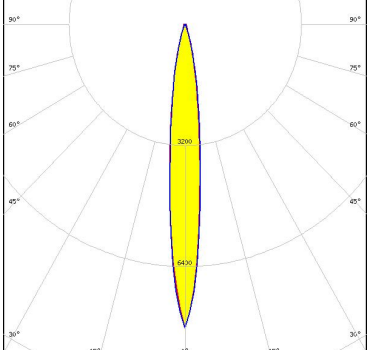
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

| | |
|----------------------|----------------|
| LED | Golden Dragon+ |
| FWHM / FWTM | 10.0° / 20.0° |
| Efficiency | 93 % |
| Peak intensity | 18 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

OPTICAL RESULTS (SIMULATED):

| | |
|--|---|
| <p>CREE LEDs</p> <p>LED: XP-G2 HE FWHM / FWTM: 17.0° / 34.0° Efficiency: 88 % Peak intensity: 6.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>CREE LEDs</p> <p>LED: XP-G3 FWHM / FWTM: 16.0° / 34.0° Efficiency: 85 % Peak intensity: 6.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>CREE LEDs</p> <p>LED: XP-L HI FWHM / FWTM: 12.0° / 30.0° Efficiency: 89 % Peak intensity: 9.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |
| <p>CREE LEDs</p> <p>LED: XT-E FWHM / FWTM: 12.0° / 30.0° Efficiency: 82 % Peak intensity: 8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> |  |

OPTICAL RESULTS (SIMULATED):

| | |
|---|--|
| <p>LUMILEDS</p> <p>LED LUXEON 3030 HE Plus</p> <p>FWHM / FWTM 14.0° / 34.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 7.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> | |
| <p>LUMILEDS</p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM 22.0° / 52.0°</p> <p>Efficiency 85 %</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>LUMILEDS</p> <p>LED LUXEON CZ</p> <p>FWHM / FWTM 8.0° / 20.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 22.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Red</p> <p>Required components:</p> | |
| <p>LUMILEDS</p> <p>LED LUXEON IR Domed 150 (L110-0xxx150000000)</p> <p>FWHM / FWTM 10.0° / 27.0°</p> <p>Efficiency 81 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p> | |

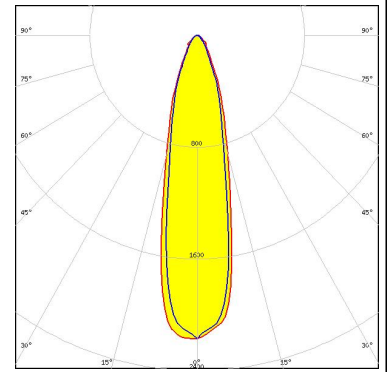
OPTICAL RESULTS (SIMULATED):

| | |
|--|--|
| <p>NICHIA</p> <p>LED: NV4WB35AM FWHM / FWTM: 20.0° / 44.0° Efficiency: 86 % Peak intensity: 3.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> | |
| <p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: 16.0° / 32.0° Efficiency: 89 % Peak intensity: 7.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> | |
| <p>NICHIA</p> <p>LED: NVSW519A FWHM / FWTM: 20.0° / 38.0° Efficiency: 85 % Peak intensity: 5.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> | |
| <p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: 16.0° / 33.0° Efficiency: 84 % Peak intensity: 6.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p> | |

OPTICAL RESULTS (SIMULATED):

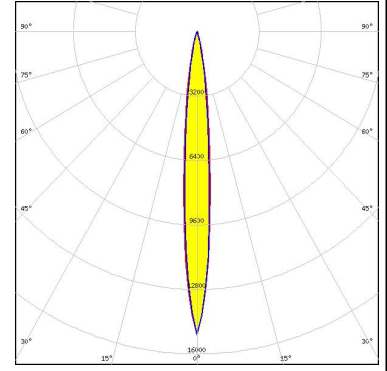
OSRAM Opto Semiconductors

LED Duris S8
 FWHM / FWTM 25.0° / 59.0°
 Efficiency 85 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



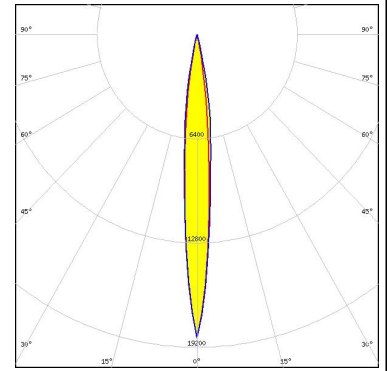
OSRAM Opto Semiconductors

LED OSLO Boost HX (KW CULPM1.TG)
 FWHM / FWTM 10.0° / 24.0°
 Efficiency 89 %
 Peak intensity 15.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



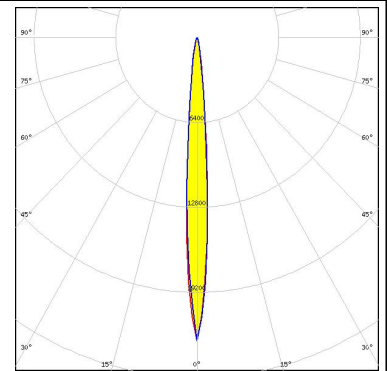
OSRAM Opto Semiconductors

LED PLPVEC2 850A
 FWHM / FWTM 10.0° / 23.0°
 Efficiency 93 %
 LEDs/each optic 1
 Light colour IR
 Required components:

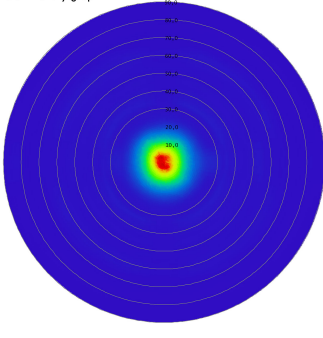
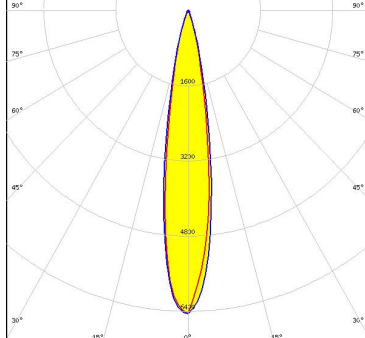
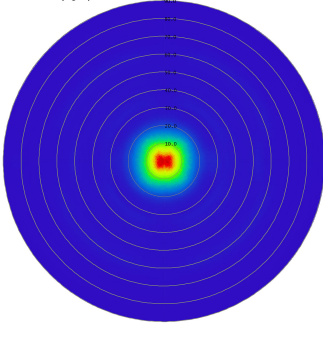
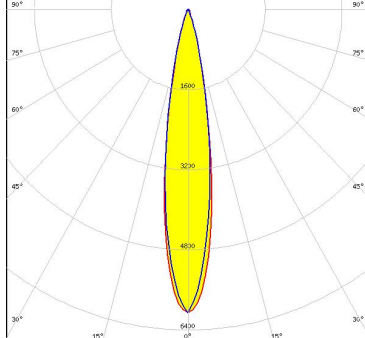

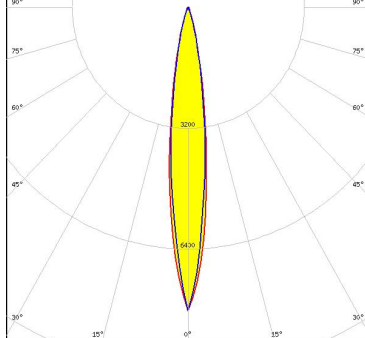
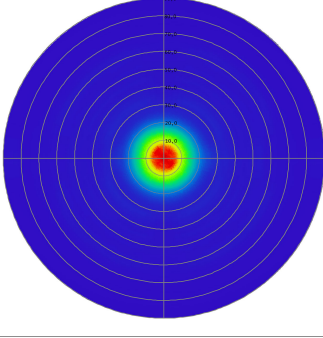
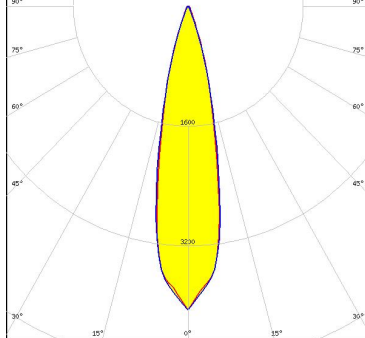


OSRAM Opto Semiconductors

LED SFH 4232A
 FWHM / FWTM 8.0° / 19.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OPTICAL RESULTS (SIMULATED):

| | | |
|---|---|---|
| <p>OSRAM Opto Semiconductors</p> <p>LED SFH 4715AS FWHM / FWTM 17.0° / 35.0° Efficiency 88 % LEDs/each optic 1 Light colour IR Required components:</p> | <p>Polar intensity graph</p>  |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED SFH 4725AS FWHM / FWTM 18.0° / 34.0° Efficiency 88 % LEDs/each optic 1 Light colour IR Required components:</p> | <p>Polar intensity graph</p>  |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED SFH 4725S FWHM / FWTM 14.0° / 32.0° Efficiency 88 % LEDs/each optic 1 Light colour IR Required components:</p> | <p>Polar intensity graph</p>  |  |
| <p>OSRAM Opto Semiconductors</p> <p>LED SFH 4727AS FWHM / FWTM 23.0° / 42.0° Efficiency 86 % LEDs/each optic 1 Light colour IR Required components:</p> | <p>Polar intensity graph</p>  |  |

OPTICAL RESULTS (SIMULATED):

SAMSUNG

| | |
|----------------------|---------------|
| LED | LH351C |
| FWHM / FWTM | 16.0° / 34.0° |
| Efficiency | 91 % |
| Peak intensity | 7.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |

