

## ZX-F0257 free-standing luminaire



ZX-F0257 (S1 Pro Max) is a high-output free-standing luminaire for study and reading areas. Two colour temperatures — 2700 K warm white and 4000 K neutral white — are combined in the upper and lower light engines, and a separate gold-light channel provides a low-level night setting. Four operating modes cover reading, warm comfort, sleep and full-output work lighting; brightness is adjusted continuously from 10 % to 100 % with the rotary knob. Light leaves the head through a high-transmission prism diffuser ( $\geq 90$  %) at a 73° beam angle, and the stand takes up a small floor area.

### Features

|                             |                                                                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Light output</b>         | Reading > 7,600 lm · Comfort > 4,800 lm · Focus > 6,400 lm ( $\pm 8$ %)                                                                                                                                |
| <b>Rated power</b>          | Reading / Comfort: 133 – 148 W · Focus: 110 – 130 W · Sleep: 8 – 15 W                                                                                                                                  |
| <b>Beam angle</b>           | 73°                                                                                                                                                                                                    |
| <b>Colour rendering</b>     | Ra $\geq 96.6$ (Reading / Focus); Ra $\geq 98$ (Comfort); Rf 98 · Rg 98                                                                                                                                |
| <b>Glare / flicker</b>      | UGR < 10 · SDCM < 3 · flicker 0.094 %                                                                                                                                                                  |
| <b>Colour temperature</b>   | Reading / Focus 3800 – 4000 K; Comfort 2500 – 2900 K; gold night light 5050 RYR                                                                                                                        |
| <b>Dimming</b>              | Stepless 10 – 100 %                                                                                                                                                                                    |
| <b>Control</b>              | Rotary knob for mode switching and brightness; one-touch access to the full-output mode                                                                                                                |
| <b>Optical design</b>       | PMMA prism diffuser with $\geq 90$ % light transmission                                                                                                                                                |
| <b>Light source</b>         | Upper: 2700 K 2835 × 224 pcs + 4000 K 2835 × 224 pcs (0.5 W each); lower: 2700 K 2835 × 196 pcs + 4000 K 2835 × 196 pcs (0.5 W each); gold light: 5050 RYR × 18 pcs (lower) + 5050 RYR × 36 pcs (rear) |
| <b>Housing</b>              | Aluminium body with PMMA diffuser                                                                                                                                                                      |
| <b>Operating conditions</b> | 0 – 45 °C, working humidity < 75 % RH                                                                                                                                                                  |
| <b>Warranty</b>             | 5 years                                                                                                                                                                                                |

### Application areas

Home study and reading areas, living rooms, study rooms.

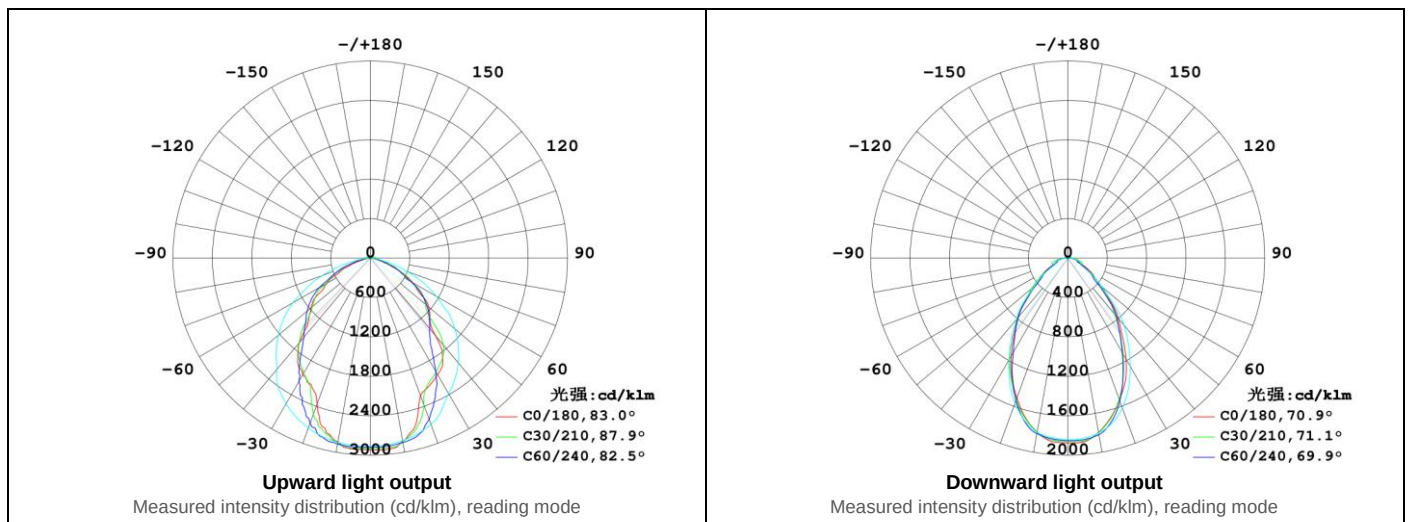
## Technical data

|                                    |                                                                                                                                                         |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series / model name                | ZX-F0001T-G1 · S1 Pro Max                                                                                                                               |
| Input voltage                      | AC 220 V, 50 Hz                                                                                                                                         |
| Rated power                        | Reading 133 – 148 W · Comfort 133 – 148 W · Sleep 8 – 15 W · Focus 110 – 130 W                                                                          |
| Luminous flux (integrating sphere) | Reading > 7,600 lm · Comfort > 4,800 lm · Focus > 6,400 lm (± 8 %)                                                                                      |
| Colour temperature                 | Reading 3800 – 4000 K · Comfort 2500 – 2900 K · Focus 3800 – 4000 K                                                                                     |
| Colour rendering index             | Reading ≥ 96.6 · Comfort ≥ 98 · Focus ≥ 96.6                                                                                                            |
| Colour consistency                 | SDCM < 3 · Rf 98 · Rg 98                                                                                                                                |
| Glare                              | UGR < 10                                                                                                                                                |
| Flicker                            | Modulation depth 0.094 % (flicker-free)                                                                                                                 |
| Beam angle                         | 73°                                                                                                                                                     |
| Prism diffuser transmittance       | ≥ 90 %                                                                                                                                                  |
| Dimming range                      | 10 – 100 %                                                                                                                                              |
| Operating temperature              | 0 – 45 °C                                                                                                                                               |
| Humidity                           | Working and storage < 75 % RH                                                                                                                           |
| Storage temperature                | -20 to +25 °C for 1 year · -20 to +45 °C for 3 months · -20 to +60 °C for 1 month                                                                       |
| Product size                       | 605 × 350 × 2,073 mm (± 5 mm)                                                                                                                           |
| Material                           | Aluminium body, PMMA high-transmission diffuser                                                                                                         |
| Housing finish                     | Anodised aluminium; other colours available on request                                                                                                  |
| Net weight                         | 20.45 kg                                                                                                                                                |
| Packing                            | Pole: 2,113 × 197 × 142 mm (carton gross 5.8 kg) · Head: 463 × 303 × 722 mm (carton gross 20.75 kg); packed separately in kraft cartons, total 26.55 kg |
| Base dimensions                    | L 470 × W 360 × H 13 mm                                                                                                                                 |
| Certification                      | CE · RoHS · UL                                                                                                                                          |
| Warranty                           | 5 years                                                                                                                                                 |

## Light output modes

| Mode    | Light sources                         | Colour temperature | Luminous flux      |
|---------|---------------------------------------|--------------------|--------------------|
| Reading | Upper + lower white (2700 K + 4000 K) | 3800 – 4000 K      | > 7,600 lm (± 8 %) |
| Comfort | Upper + lower white (2700 K + 4000 K) | 2500 – 2900 K      | > 4,800 lm (± 8 %) |
| Sleep   | Low-level warm / gold light           | warm               | —                  |
| Focus   | Upper + lower at full output          | 3800 – 4000 K      | > 6,400 lm (± 8 %) |

## Photometric data



Measured with an EVERFINE GO-2000B goniophotometer (C-γ system: 0–360° in 22.5° steps, 0–180° in 1.0° steps); the opposite light output was covered during each measurement.

Dimensioned component drawings are available on request.

## Installation and safety notices

- Specified room temperature for use: -10 °C to +40 °C. Do not use the luminaire in damp areas or near water.
- Installation, inspection, maintenance and replacement of the light source must be carried out by a qualified person. Do not disassemble the luminaire.
- Do not look directly at the light source. Do not lay the luminaire on carpets, bedding or other flammable surfaces while it is switched on.
- Per single-phase circuit, do not connect more than 25 luminaires and do not exceed 16 A.

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Certification: CE · RoHS · UL

All values in this specification are typical values from laboratory measurement; for concrete data and shipping inspection reports please contact us. Information is subject to change without notice. Please verify all details before ordering.

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