

## ZX-F0258 free-standing luminaire



ZX-F0258 (C1 Pro) is a free-standing luminaire with upward and downward light engines that produce 360° illumination. Two colour temperatures (2700 K and 4000 K) can be used separately or together, and a gold-light channel provides a low-output night setting. Four modes — reading, warm reading, soft ambient and sleep — are selected and continuously dimmed (10 – 100 %) from the rotary control. The housing is aluminium with a PS + PMMA + PC optical kit.

### Features

|                                          |                                                                                                                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Light output (integrating sphere)</b> | Reading 9,730 lm · Warm reading 8,090 lm · Soft ambient 9,139 lm (± 5 %)                                                                                                            |
| <b>Rated power</b>                       | Reading 132 – 148 W · Warm reading 122 – 138 W · Soft ambient 102 – 118 W · Sleep 3 – 7 W                                                                                           |
| <b>Colour rendering</b>                  | Ra > 97 (Reading / Warm reading); Ra > 98 (Soft ambient)                                                                                                                            |
| <b>Colour temperature</b>                | 2700 K ± 200 K and 4000 K ± 200 K; gold night light 1800 K                                                                                                                          |
| <b>Colour consistency</b>                | SDCM ≤ 5                                                                                                                                                                            |
| <b>Glare</b>                             | UGR < 13                                                                                                                                                                            |
| <b>Flicker</b>                           | Modulation depth 0.001 % (flicker-free)                                                                                                                                             |
| <b>Dimming</b>                           | Rotary stepless up / down dimming, 10 – 100 %                                                                                                                                       |
| <b>Light source</b>                      | Upper: 4000 K 2835 × 280 pcs + 2700 K 2835 × 280 pcs (0.5 W each); lower: 4000 K 2835 × 196 pcs + 2700 K 2835 × 196 pcs (0.5 W each); gold light: 1800 K 5050 × 24 pcs (0.5 W each) |
| <b>Housing</b>                           | Aluminium body; PS + PMMA + PC optical kit                                                                                                                                          |
| <b>Operating conditions</b>              | 0 – 40 °C, working humidity < 75 % RH                                                                                                                                               |
| <b>Warranty</b>                          | 5 years                                                                                                                                                                             |

### Application areas

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

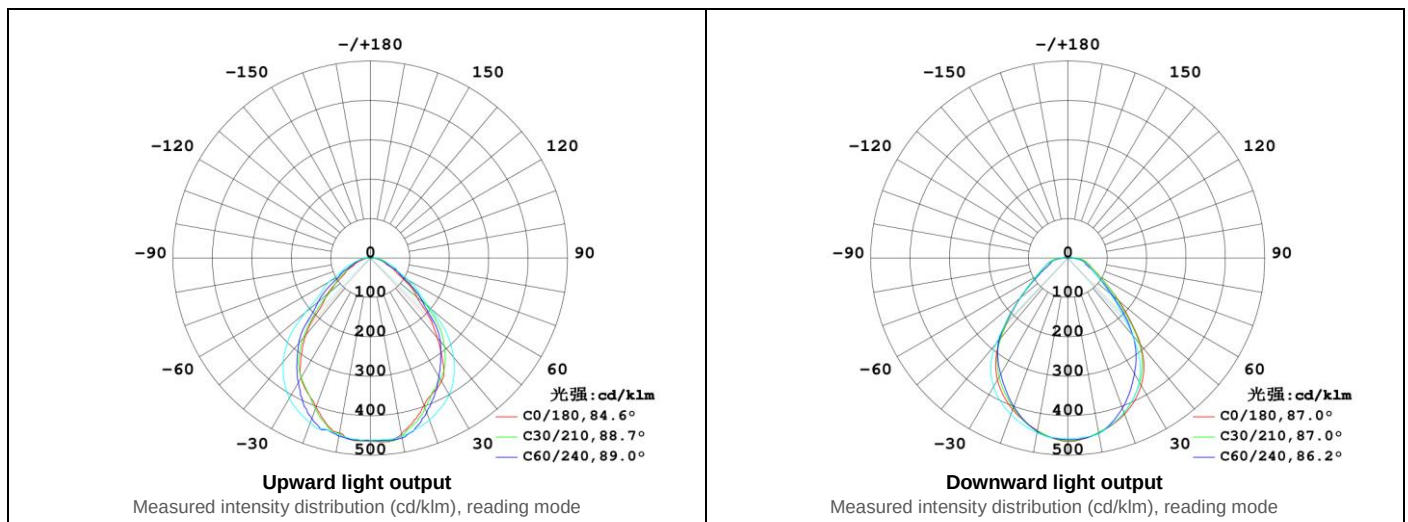
## Technical data

|                                    |                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------|
| Series / model name                | ZX-F0003H-W1 · C1 Pro                                                                     |
| Input voltage                      | AC 220 V, 50 Hz                                                                           |
| Rated power                        | Reading 132 – 148 W · Warm reading 122 – 138 W · Soft ambient 102 – 118 W · Sleep 3 – 7 W |
| Luminous flux (integrating sphere) | Reading 9,730 lm · Warm reading 8,090 lm · Soft ambient 9,139 lm (± 5 %)                  |
| Colour temperature                 | 2700 K ± 200 K · 4000 K ± 200 K · gold night light 1800 K                                 |
| Colour rendering index             | Reading > 97 · Warm reading > 97 · Soft ambient > 98                                      |
| Colour consistency                 | SDCM ≤ 5                                                                                  |
| Glare                              | UGR < 13                                                                                  |
| Flicker                            | Modulation depth 0.001 % (flicker-free)                                                   |
| Dimming range                      | 10 – 100 %                                                                                |
| Operating temperature              | 0 – 40 °C                                                                                 |
| Humidity                           | Working < 75 % RH · storage < 50 % 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                       | Height 2,030 mm; head and base dimensions available on request                            |
| Material                           | Aluminium body, PS + PMMA + PC optical kit                                                |
| Housing finish                     | Powder-coated aluminium; other colours available on request                               |
| Net weight                         | 25.9 kg                                                                                   |
| Packing                            | 1,160 × 498 × 233 mm kraft carton, 1 pc per carton                                        |
| Certification                      | CE · RoHS · UL                                                                            |
| Warranty                           | 5 years                                                                                   |

## Light output modes

| Mode         | Light sources          | Colour temperature | Luminous flux        |
|--------------|------------------------|--------------------|----------------------|
| Reading      | Upper + lower white    | 4000 K             | 9,730 lm (± 5 %)     |
| Warm reading | Upper + lower white    | 2700 K             | 8,090 lm (± 5 %)     |
| Soft ambient | Upper white only       | 4000 K             | 9,139 lm (± 5 %)     |
| Sleep        | Gold light (one-touch) | 1800 K             | low output (3 – 7 W) |

## 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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