

ZX-F0263SE free-standing luminaire



ZX-F0263SE is a compact free-standing LED luminaire for home study and reading areas. Two independent modes — reading (4000 K) and comfort (2700 K) — drive the main light output, which is dimmed in ten steps from 10 % to 100 %. A touch panel switches between the modes and enables or disables the radar presence sensor, which switches the luminaire on when the user comes within 4 m and switches it off 10 minutes after the user leaves. Power is supplied by an external 24 V / 48 W adapter, and the housing is made of aluminium with a steel base plate and a PMMA optical panel.

Features

Light output (main light, integrating sphere)	Reading 2,500 lm · Comfort 2,300 lm (± 5 %)
Rated power	Reading 48 W · Comfort 46 W
Power supply	External adapter, 24 V / 48 W, 1.5 m cable
Colour rendering	Ra > 97 (main light); R9 97
Colour temperature	Reading 4000 K ± 200 K · Comfort 2700 K ± 200 K
Colour consistency	SDCM < 5 · TM-30 Rf 94 / Rg 102
Dimming method	10 brightness steps over the 10 – 100 % range — touch + to step up, touch - to step down
Control	Touch panel — tap to switch mode, tap to enable / disable the radar sensor
Presence sensor	Radar — switches on within 4 m, switches off 10 min after the user leaves
Optical design	PMMA optical panel with anti-glare structure
Housing	Aluminium housing, steel base plate, PMMA optical panel
Assembly	Tool-free DIY assembly — luminaire body, pole, base plate, manual, accessory kit (screws, gloves, wrench)
Warranty	5 years

Application areas

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

Technical data

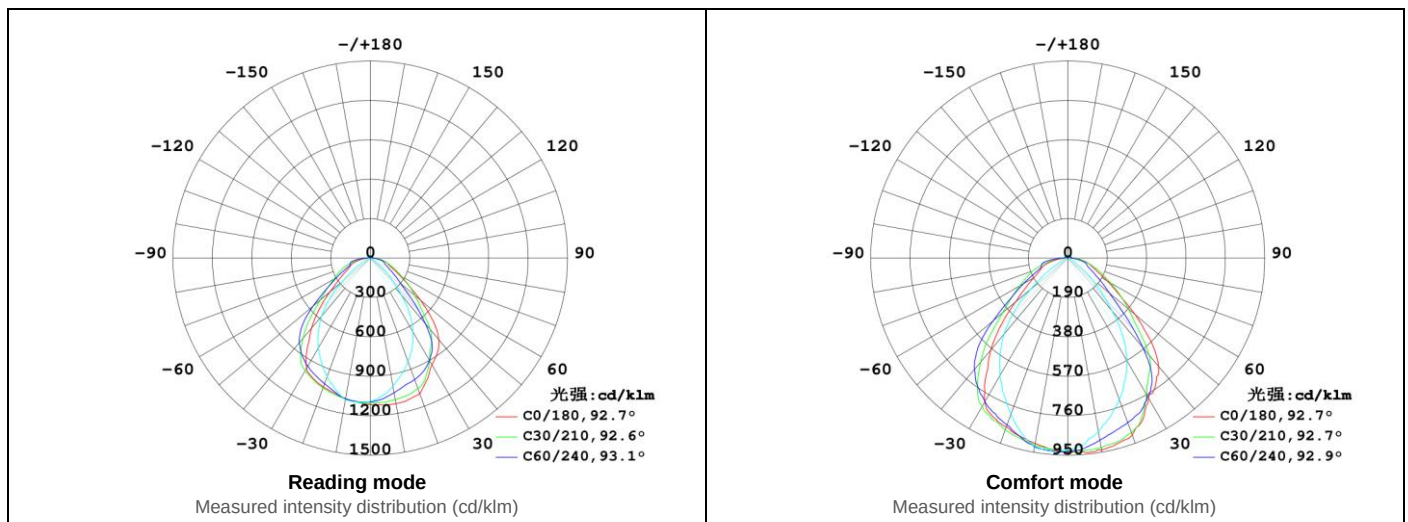
Series / model name	ZX-F0005 · SE
Input voltage	AC 220 – 240 V, 50 Hz via external 24 V / 48 W adapter
Rated power	Reading 48 W · Comfort 46 W
Luminous flux (main light, integrating sphere)	Reading 2,500 lm · Comfort 2,300 lm (± 5 %)
System luminous efficacy (derived)	≈ 52 lm/W (reading flux at rated power)
Colour temperature	Reading 4000 K ± 200 K · Comfort 2700 K ± 200 K
Colour rendering index	Ra > 97 (main light), measured after 15 min operation
Colour consistency	SDCM < 5
Colour metrics	TM-30 Rf 94 · Rg 102
Dimming method / range	10 brightness steps over the 10 – 100 % range, operated from the + / - keys of the touch panel
Light source	90 × 0.5 W 4000 K + 75 × 0.5 W 2700 K + 15 × 0.2 W 2700 K LEDs (2835), main light
Optical structure	PMMA optical panel with anti-glare structure
Sensor	Radar presence detection, 4 m range; switch-off 10 min after the user leaves
Product size	800 × 120 × 1,620 mm (+1/0 mm)
Material	Aluminium housing, steel base plate, PMMA optical panel
Housing finish	Powder-coated aluminium; other colours available on request
Weight	8.7 kg (packaged)
Packing	1 pc per kraft carton; carton dimensions available on request
Drop test	ISTA 1A
Operating temperature	0 – 40 °C, ambient; working humidity < 75 % RH
Storage conditions	-20 to +25 °C for 1 year · -20 to +45 °C for 3 months · -20 to +60 °C for 1 month; storage humidity < 50 % RH
Certification	CE · RoHS · UL
Warranty	5 years

Light output modes

Mode	Light source	Colour temperature	Luminous flux	Dimming
Reading	Main light	4000 K	2,500 lm (± 5 %)	10 steps (+ / -)
Comfort	Main light	2700 K	2,300 lm (± 5 %)	10 steps (+ / -)

Mode and brightness are both set from the touch panel: tap to switch between the reading and comfort modes, and use the + / - keys to step the brightness up or down through ten levels between 10 % and 100 %.

Photometric data



Measured with an EVERFINE GO-2000B goniophotometer (C-γ system: 0–360° in 22.5° steps, 0–180° in 1.0° steps); measured in the respective operating mode.

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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