

ZX-F0288 free-standing luminaire



ZX-F0288 (model E3) is a free-standing luminaire with an upward and a downward light engine of 100 W each. Three scene modes plus a high-output setting are available: Reading (upper + lower, 4,000 K), eye-comfort axis control (upper + lower, 2,700 K), soft comfort (upper only, 2,700 K) and Bright Light (upper + lower, 2,700 – 4,000 K, 245 W) with a breathing-light option. Brightness is adjusted steplessly from 10 % to 100 % with the rotary control, every mode is recalled with one touch, a 24 GHz radar sensor switches the luminaire on when the user sits down, the last setting is remembered, and the luminaire can also be controlled from a mobile app. In the factory measurement the reading setting produces 10,433 lm at 4,000 K and the axis-control setting 8,995 lm at 2,700 K, with a measured colour rendering index of Ra 97.4 – 98.5. The body is die-cast aluminium with a 6063-T6 profile and the luminaire is classified RG0.

Features

Light output	Reading 10,433 lm · Eye-comfort axis 8,995 lm · Soft comfort 6,700 lm (measured); specification 16,665 / 14,609 / 8,140 lm
Rated power / current	245 W / 1.2 A (measured 206.2 – 207.7 W combined · 103.5 W upper only)
Operating modes	3 + 1 — Reading, Eye-comfort axis control, Soft comfort, Bright Light (bright-light setting with a breathing-light option)
Dimming	Stepless 10 – 100 % brightness from the rotary control
Sensor / control	24 GHz radar presence sensor · every mode recalled with one touch · last setting remembered · brightness and mode from the mobile app
Colour temperature	4,000 K and 2,700 K light engines (Bright Light setting 2,700 – 4,000 K)
Colour rendering / metrics	Ra 97.8 · R9 84 (2,700 K combined) · Ra 98.5 · R9 98 (4,000 K combined) · Ra 97.4 (upper) · TM-30 Rf 95 – 96 · Rg 100 – 101
Colour consistency (measured)	SDCM 2.1 (2,700 K combined) · 3.0 (upper, 2,700 K) · 4.0 (4,000 K combined)
Glare / flicker	UGR ≤ 9 · no visible flicker
Illuminance on the desk (declared)	Reading centre 2,684 lx / total area 2,698 lx · Eye-comfort axis 2,370 / 2,485 lx · Soft comfort 400 / 358 lx · Bright Light up to 4,000+ lx; uniformity 1.18 / 1.15 / 1.09
Light source	2835 LEDs, 1 W each — lower 165 × 2,700 K + 165 × 4,000 K; upper 100 × 4,000 K + 100 × 2,700 K
Photometric data files	.GOS distribution files supplied for the upper and lower engines (2,700 K / 4,000 K, 100 W / 175 W)
Safety / life / size	RG0 (exempt group) · 50,000 h service life · 757 × 390 × 2,027 mm · 17.9 kg net / 18.5 kg gross
Warranty	5 years

Application areas

Home study areas, living rooms and home offices.

Technical data

Input voltage	AC 220 – 240 V, 50 Hz
Rated power	245 W (measured 206.2 – 207.7 W combined · 103.5 W upper only)
Rated current	1.2 A (measured 0.955 A combined · 0.503 A upper only)
Power factor (measured)	0.981 (4,000 K combined) · 0.980 (2,700 K combined) · 0.934 (upper only)
Luminous flux	Measured: Reading 10,433 lm · Eye-comfort axis 8,995 lm · Soft comfort 6,700 lm. Specification: 16,665 lm (upper 9,295 + lower 7,370) · 14,609 lm (upper 8,140 + lower 6,469) · 8,140 lm (upper)
Luminous efficacy (measured)	50.2 lm/W (4,000 K combined) · 43.6 lm/W (2,700 K combined) · 64.7 lm/W (upper only)
Colour temperature	4,000 K · 2,700 K
Colour rendering / metrics	Ra 98.5 · CRI 98.1 (4,000 K combined) · Ra 97.8 · CRI 96.5 (2,700 K combined) · Ra 97.4 (upper only) · TM-30 Rf 95 – 96 · Rg 100 – 101 · R9 84 / 98 / 90 · R12 94
Colour consistency (measured)	SDCM 2.1 (2,700 K combined) · 3.0 (upper, 2,700 K) · 4.0 (4,000 K combined)
Glare / flicker	UGR ≤ 9 · no visible flicker
Dimming method	Stepless 10 – 100 % brightness from the rotary control
Mode selection / sensor	Reading, Eye-comfort axis control, Soft comfort and Bright Light, each recalled with one touch; 24 GHz radar presence sensor; brightness and mode from the mobile app; last setting remembered
Light source	Lower 2835 165 × 1 W (2,700 K) + 165 × 1 W (4,000 K); upper 2835 100 × 1 W (4,000 K) + 100 × 1 W (2,700 K); direct-emitting
Photobiological safety / life	RG0 (exempt group) · 50,000 h service life
Photometric data files	.GOS distribution files for upper and lower engines (2,700 K / 4,000 K, 100 W / 175 W)
Product size / packing	757 × 390 × 2,027 mm · packed 1,130 × 500 × 180 mm, 1 pc per carton
Material / weight	Die-cast aluminium with 6063-T6 profile · 17.9 kg net / 18.5 kg gross
Certification / warranty	CE · RoHS · UL · 5 years

Light output modes

Mode	Light engines	Colour temperature	Declared output	Measured output	Rated power
Reading	Upper + lower	4,000 K	16,665 lm	10,433 lm	200 W (100 + 100)
Eye-comfort axis	Upper + lower	2,700 K	14,609 lm	8,995 lm	200 W (100 + 100)
Soft comfort	Upper only	2,700 K	8,140 lm	6,700 lm	100 W
Bright Light	Upper + lower	2,700 – 4,000 K	—	—	245 W

Every mode is recalled with one touch from the control panel; brightness is adjusted steplessly between 10 % and 100 % with the rotary control. The Bright Light setting also offers a breathing-light option.

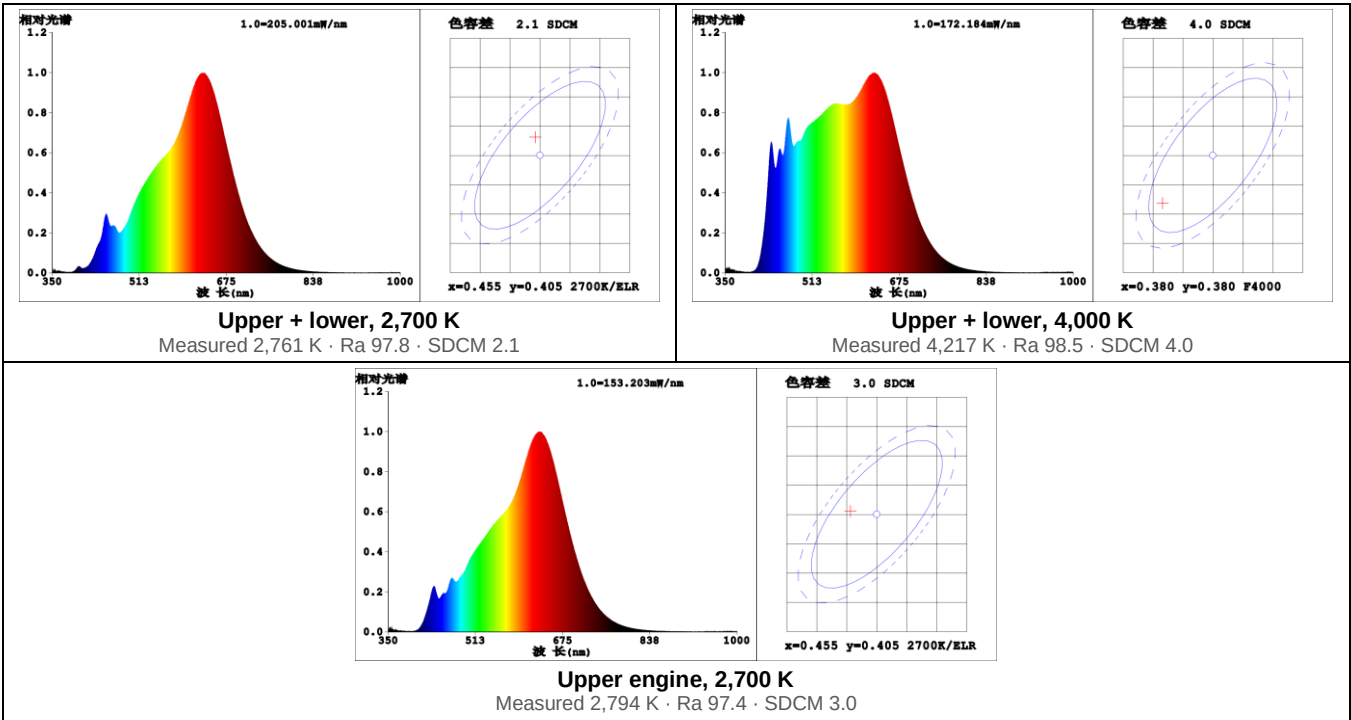
Measured performance (integrating sphere)

Setting	Measured CCT	Luminous flux	Power	Efficacy	Ra	R9	SDCM
Upper + lower, 2,700 K	2,761 K	8,995 lm	206.2 W	43.6 lm/W	97.8	84	2.1
Upper + lower, 4,000 K	4,217 K	10,433 lm	207.7 W	50.2 lm/W	98.5	98	4.0
Upper engine, 2,700 K	2,794 K	6,700 lm	103.5 W	64.7 lm/W	97.4	90	3.0

Integrating-sphere measurement with an EVERFINE HAAS-1200 spectroradiometer at AC 220 V, 50 Hz (report of 30 Sep 2026, model SKY-0288, sample 1). Measured power factor 0.981 / 0.980 / 0.934.

Photometric data

Relative spectral power distribution and colour-ellipse (SDCM) plots, measured at rated output.



Measured with an EVERFINE HAAS-1200 spectroradiometer system (test record of 30 Sep 2026); the right-hand panel of each figure is the colour-ellipse plot produced by the instrument.

Installation and safety notices

- For indoor use only. Do not use the luminaire in damp areas or near water.
- Connect the luminaire only to a mains socket matching the rated voltage. Disconnect it from the mains before cleaning or moving it.
- Do not look directly at the light source. Clean the luminaire with a soft dry cloth only, with the luminaire switched off and cooled down.
- Do not cover the lamp head. Place the luminaire on a firm, level surface. Repair and replacement of the light source or the control gear must be carried out by a qualified person.

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Certification: CE · RoHS · UL

All values in this specification are typical values from laboratory measurement of the stated sample; for concrete data and shipping inspection reports please contact us. Information is subject to change without notice.

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