

ZX-F0287 free-standing luminaire



ZX-F0287 is a full-spectrum free-standing luminaire with an upward and a downward light engine. Three modes are available: Focus (downward light only), Reading & Writing (upward and downward light) and Leisure (upward light only). Brightness is adjusted from the touch panel on the pole. The measured output is 4,496 lm in Focus mode, 6,190 lm in Reading & Writing mode and 3,134 lm in Leisure mode, with a measured colour rendering index of Ra 95.9 – 98.0 and a glare rating of UGR < 12. The lamp head, pole and base are made of carbon steel and the body is finished in sand white, with premium grey available as an option.

Features

Light output (measured)	Focus 4,496 lm · Reading & Writing 6,190 lm · Leisure 3,134 lm
Rated power	120 W (measured 63.6 W Focus · 94.9 W Reading & Writing · 33.7 W Leisure)
Operating modes	3 — Focus (downward only), Reading & Writing (upward + downward), Leisure (upward only)
Dimming	Touch panel on the pole
Colour temperature	4,000 K ± 200 K (measured 4,224 – 4,252 K)
Colour rendering (measured)	Ra 95.9 · R9 86 (Focus) · Ra 96.5 · R9 89 (Reading & Writing) · Ra 98.0 · R9 96 (Leisure)
Colour metrics (TM-30)	Rf 96 · Rg 100 – 101
Colour consistency (measured)	SDCM 5.0 (Focus) · 4.3 (Reading & Writing) · 4.4 (Leisure)
Glare / ingress protection	UGR < 12 · IP20
Power factor (measured)	0.978 (Reading & Writing) · 0.949 (Focus) · 0.838 (Leisure)
Light source	Full-spectrum LED, 4,000 K
Housing / colour	Carbon steel lamp head, pole and base · sand white (premium grey optional)
Packaging	1,160 × 420 × 150 mm, 1 pc per carton
Warranty	5 years

Application areas

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

Technical data

Input voltage	AC 220 – 240 V, 50 Hz
Rated power	120 W (measured 63.6 W Focus · 94.9 W Reading & Writing · 33.7 W Leisure)
Operating current (measured)	0.304 A (Focus) · 0.440 A (Reading & Writing) · 0.182 A (Leisure)
Power factor (measured)	0.949 (Focus) · 0.978 (Reading & Writing) · 0.838 (Leisure)
Luminous flux (measured)	Focus 4,496 lm · Reading & Writing 6,190 lm · Leisure 3,134 lm
Luminous efficacy (measured)	70.7 lm/W (Focus) · 65.3 lm/W (Reading & Writing) · 93.0 lm/W (Leisure)
Colour temperature	4,000 K ± 200 K (measured 4,224 – 4,252 K)
Colour rendering index (measured)	Ra 95.9 · CRI 94.7 (Focus) · Ra 96.5 · CRI 95.5 (Reading & Writing) · Ra 98.0 · CRI 97.5 (Leisure)
Colour metrics (TM-30)	Rf 96 · Rg 100 – 101 · R9 86 / 89 / 96 · R12 93 / 93 / 94
Colour consistency (measured)	SDCM 5.0 (Focus) · 4.3 (Reading & Writing) · 4.4 (Leisure)
Glare	UGR < 12
Ingress protection	IP20
Dimming method	Touch panel on the pole
Mode selection	Focus, Reading & Writing and Leisure, selected from the touch panel
Light source	Full-spectrum LED, 4,000 K
Housing	Carbon steel lamp head, pole and base
Housing finish	Sand white; premium grey available on request
Packing	1,160 × 420 × 150 mm, 1 pc per carton
Certification	CE · RoHS · UL
Warranty	5 years

Light output modes

Mode	Light engines	Colour temperature	Luminous flux (measured)	Rated power	Dimming
Focus	Downward only	4,000 K	4,496 lm	65 W	Touch panel
Reading & Writing	Upward + downward	4,000 K	6,190 lm	96 W	Touch panel
Leisure	Upward only	4,000 K	3,134 lm	34 W	Touch panel

The three modes are selected from the touch panel on the pole, and brightness is adjusted from the same panel.

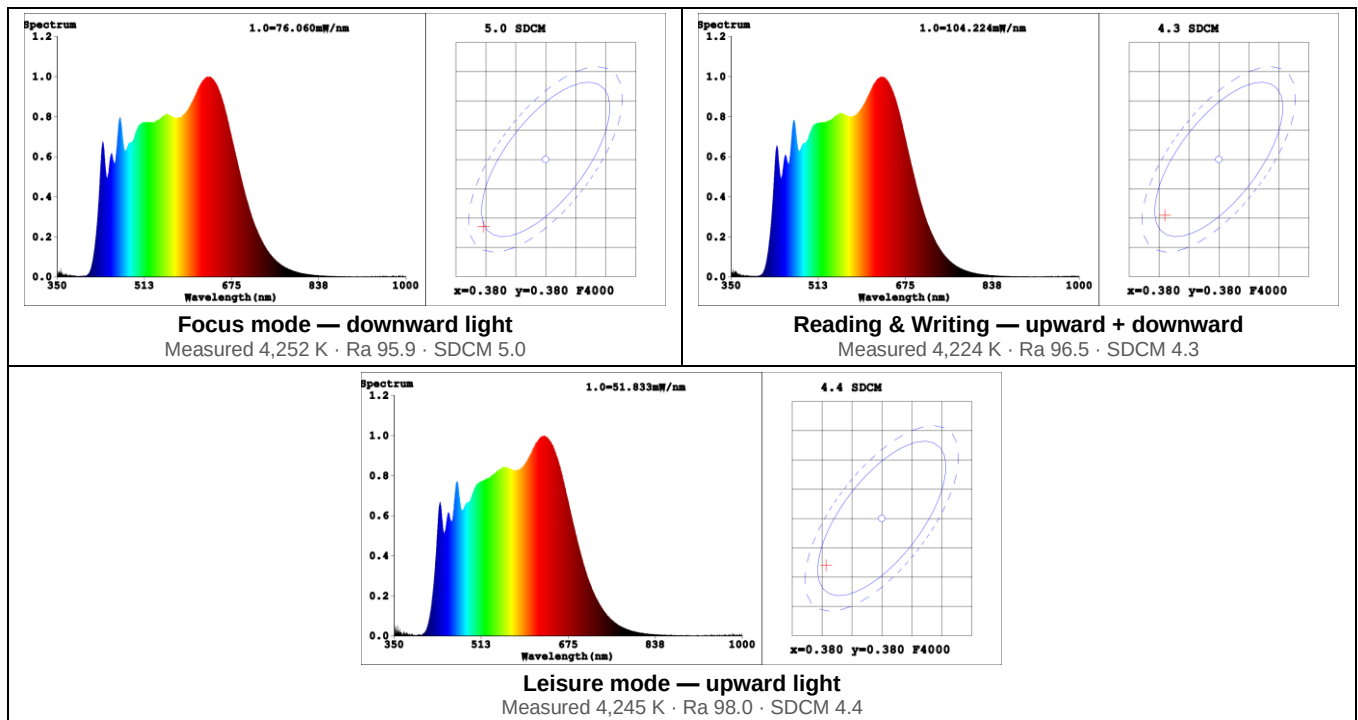
Measured performance (factory test report)

Mode	Measured CCT	Luminous flux	Power	Efficacy	Ra	R9	SDCM
Focus (downward)	4,252 K	4,496 lm	63.6 W	70.7 lm/W	95.9	86	5.0
Reading & Writing	4,224 K	6,190 lm	94.9 W	65.3 lm/W	96.5	89	4.3
Leisure (upward)	4,245 K	3,134 lm	33.7 W	93.0 lm/W	98.0	96	4.4

Integrating-sphere measurement with an EVERFINE HAAS-1200 spectroradiometer at AC 220 V, 50 Hz (test record of 13 Oct 2026, model ZX-F0287).
Measured power factor 0.978 / 0.949 / 0.838.

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 13 Oct 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 (IP20). 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 and do not place it on an unstable surface. Repair and replacement of the light source or the control gear must be carried out by a qualified person.

Shenzhen Zhexian Optoelectronics Technology Co., Ltd.

Room 909, Hongfa Xiyue Building, No. 111 Chuangye 2nd Road, Zone 27, Dalang Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong, China

E-mail: leslie@zhexianlighting.com · www.szzxgd.en.alibaba.com · Tel: +86 183 4226 3250

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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