

ZX-H0255 pendant luminaire



ZX-H0255 (model CE1) is a linear pendant luminaire with a white downward light engine and a separate RGB accent channel. Four dynamic scene modes combine the two: Sky Mirror (4,000 K white with blue-white accent), Blue Hour (4,000 K with blue-pink), Champagne Beach (3,000 K with cyan-white) and Sunset (2,700 K with orange-red). Mode and brightness are selected from the wall switch, the remote control or the mobile app, including a motion-activated switching function. The measured white output is 938 lm in office mode and 255 lm in the soft setting, the flicker depth measures 0.00094, and the measured colour rendering index is Ra 94.5 – 96.6 with UGR < 16. The body is T6061 aviation aluminium with an acrylic diffuser; the downward white engine is classified RG0.

Features

Light output (measured, white engine)	Office 938 lm · Entertainment 633 lm · Warm 472 lm · Soft 255 lm
Rated power / current	45 W / 0.21 A (measured 16.1 – 44.9 W depending on mode)
Operating modes	4 dynamic scenes — Sky Mirror (4,000 K + blue-white) · Blue Hour (4,000 K + blue-pink) · Champagne Beach (3,000 K + cyan-white) · Sunset (2,700 K + orange-red)
RGB accent channel	Independent RGB channel driven together with the white engine in every scene
Dimming / control	Mode and brightness selected from the wall switch, the remote control or the mobile app
Colour temperature	2,700 K – 4,000 K white engine · RGB accent channel
Colour rendering (measured)	Ra 96.6 · R9 94 (soft) · Ra 95.7 · R9 98 (warm) · Ra 94.6 · R9 87 (office)
Colour consistency (measured)	SDCM 0.8 (soft) – 8.4 (entertainment)
Glare / flicker	UGR < 16 · flicker depth 0.00094
Illuminance on the desk (declared)	Centre ≥ 800 lx · average ≥ 500 lx · uniformity ≤ 1.31
Light source	Seoul Semiconductor LEDs; white engine 24 / 18 / 15 / 8 W and RGB accent 20 / 14 / 14 / 8 W across the four scenes
Optical design / safety	Downward-emitting acrylic diffuser · RG0 (exempt group, downward white engine)
Product size / weight	L 1,200 × W 48 × H 89 mm · 4.1 kg net / 6.4 kg gross
Packing	1,300 × 240 × 107 mm, 1 pc per carton
Warranty	5 years

Application areas

Dining areas, bar and entertainment areas, tea rooms and residential interiors.

Technical data

Series / model name	KN-0255 · CE1
Input voltage	AC 220 – 240 V, 50 Hz
Rated power	45 W (measured 16.1 – 44.9 W depending on mode)
Rated current	0.21 A
Light output (measured, white engine)	Office 938 lm · Entertainment 633 lm · Warm 472 lm · Soft 255 lm
Luminous efficacy (measured)	15.8 – 20.9 lm/W for the white engine
Colour temperature	2,700 K – 4,000 K white engine · RGB accent channel
Colour rendering index (measured)	Ra 94.6 · R9 87 (office) · Ra 94.5 · R9 87 (entertainment) · Ra 95.7 · R9 98 (warm) · Ra 96.6 · R9 94 (soft)
Colour consistency (measured)	SDCM 0.8 (soft) – 8.4 (entertainment)
Glare	UGR < 16
Flicker	Flicker depth 0.00094
Illuminance (declared)	Centre ≥ 800 lx · average ≥ 500 lx · uniformity ≤ 1.31
Dimming method	Mode and brightness are selected from the wall switch, the remote control or the mobile app
Mode selection	4 dynamic scene modes with a motion-activated switching function
Light source	Seoul Semiconductor LEDs — white engine 24 / 18 / 15 / 8 W plus RGB accent 20 / 14 / 14 / 8 W
Optical design	Downward-emitting acrylic diffuser
Photobiological safety	RG0 (exempt group, downward white engine)
Product size	L 1,200 × W 48 × H 89 mm
Packing	1,300 × 240 × 107 mm, 1 pc per carton
Material	T6061 aviation aluminium with acrylic diffuser
Net weight / gross weight	4.1 kg / 6.4 kg
Certification / warranty	CE · RoHS · UL · 5 years

Light output modes

Scene mode	White engine	RGB accent	Dimming	Control
Sky Mirror	4,000 K	Blue-white	Scene preset	Wall switch / remote / app
Blue Hour	4,000 K	Blue-pink	Scene preset	Wall switch / remote / app
Champagne Beach	3,000 K	Cyan-white	Scene preset	Wall switch / remote / app
Sunset	2,700 K	Orange-red	Scene preset	Wall switch / remote / app

The four scenes are dynamic presets that drive the white engine and the RGB accent channel together; the modes are recalled from the wall switch, the remote control or the mobile app.

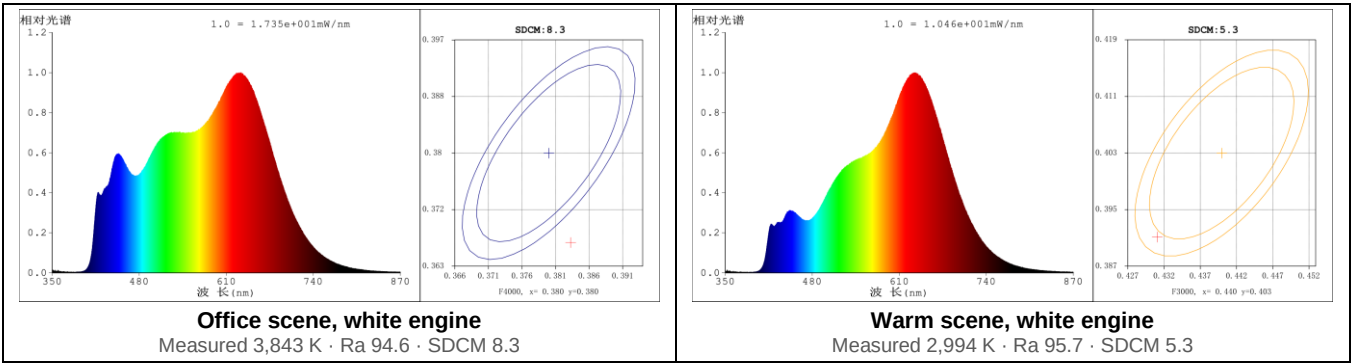
Measured performance (integrating sphere)

Setting	Measured CCT	Luminous flux	Power	Efficacy	Ra	R9	SDCM
Office	3,843 K	938 lm	44.9 W	20.9 lm/W	94.6	87	8.3
Entertainment	3,823 K	633 lm	31.3 W	20.2 lm/W	94.5	87	8.4
Warm	2,994 K	472 lm	27.0 W	17.4 lm/W	95.7	98	5.3
Soft	2,710 K	255 lm	16.1 W	15.8 lm/W	96.6	94	0.8

Integrating-sphere measurement of the complete luminaire at AC 220 V, 50 Hz (test record 0255, downward white engine). The luminous flux of the white engine is lower than the RGB accent power because the accent channel is a decorative, narrow-band source.

Photometric data

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



Measured with an EVERFINE HAAS-1200 spectroradiometer system (test record 0255). 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, and 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 light output surface with any material. 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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