JL-712B2

B2 Zhaga Book 18 Bluetooth Mesh Controller with 0-10V Dimming, Light and Microwave Sensing

Datasheet ref. JL-712B2 EN 2305V5 Issue date 12 November 2026 Type Engineering data

Product type	Zhaga Book-18 interface intelligent lock-type light controller; Bluetooth Mesh communication with 0–10 V dimming output
Model	JL-712B2
Power supply	Rated 12–24 VDC; rated current 40 mA
Power consumption	< 0.6 W
Sensor type	Light sensor + microwave motion sensor
Spectral acquisition range	350–1100 nm, peak wavelength 550 nm
Microwave mounting height	15 m maximum
Sensing radius	6–10 m at 15 m mounting height
Anti-jump delay	3 s — minimum interval before the lamp can be switched on again after it switches off
Hold time	Default 30 s, adjustable in the app
Stand-by brightness	Default 0%, adjustable in the app
Stand-by time	Default 5 s, adjustable in the app
Dimming interface	0–10 V; accuracy ±2%
Turn-on illuminance	App adjustable in 5 levels: daytime (any illuminance), dusk ≈60 lx, evening ≈30 lx, night ≈8.2 lx, late night ≈0 lx
Energy-saving strategy	Custom
Mechanical vibration	IEC 60068-2-6
Flammability level	UL94-V0
Operating temperature	−40 °C to +70 °C

Price, MOQ, lead time and OEM drawings: chi-swear.com/c · sales@chiswear.com

Storage temperature	−40 °C to +85 °C
Operating humidity	5% RH to 99% RH
Ingress protection	IP66
Dimensions	Φ50 × 36 mm
Certification marks shown	CE and RoHS as printed in the datasheet mark row; the datasheet prints no certificate number or standard list

Need pricing, MOQ, lead time or an OEM version?
Send the operating voltage, load rating and order quantity. Our engineers reply within 24 hours with unit price, MOQ, lead time, certificates and a drawing of the exact variant for your project.

chi-swear.com/c · sales@chiswear.com