JL-246CG

CG Zigbee/LTE Smart IoT Dimming Photocontrol and Gateway for JL-245CZ

Datasheet ref. JL-246CG EN 2306V6 Issue date 12 November 2026 Type Engineering data

Model	JL-246CG
Product type	Smart IoT dimming photocontrol with LTE gateway / collector function; ANSI C136.41 twist-lock
Rated voltage	120–277 VAC
Applicable voltage range	105–305 VAC
Rated frequency	50/60 Hz
Dimming output	0–10 VDC
Wireless communication, uplink	LTE Cat.1
Wireless communication, downlink	Zigbee
Spectral acquisition range	350–1100 nm, peak wavelength 590 nm
Rated loading	1000 W tungsten; 1000 VA ballast; 8 A at 120 VAC / 5 A at 208–277 VAC electronic ballast
Operating levels	Turn-on below 100 lx, turn-off above 150 lx, or per client request
Power consumption	1.2 W static, 10 W dynamic
Ambient temperature	−40 °C to +70 °C
Related humidity	96%
Fail mode	Fail-On
Shell material	PC+PC, double shell
Surge protection level	6 kV / 3 kA, differential mode
IP level	IP54 / IP65 / IP67 depending on the ordered configuration

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

Factory settings	Remote control + adaptive mode
Hot swap	Datasheet describes the controller as hot-swappable; the installer still confirms whether live replacement is permitted for the exact assembly
Overall dimensions	97 mm overall height, Φ81.5 mm mounting base, 16 mm collar (dimension drawing on this page)
FCC	Marked in the datasheet
Standards listed in the datasheet	IEC 61000-4-5, -4-2, -4-3, -4-6, -4-4, -4-11; IEC 61000-3-2; GB/T 17743-2017; GB/T 2423.10-2008; UL94-V0

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.

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