

SMART DIMMING PHOTOCONTROL

JL-241/242/243



PRODUCT SUMMARY

The dimming photocontrol JL-241/242/243 series is applicable to control the dimmable LED street lighting (0-10V/1-10V) automatically in accordance with the ambient natural lighting level. This product is designed with microprocessor circuits with IR-filtered phototransistor.

A heavy duty surge arrester (MOV) is provided to protect the lamp from inrush current as well as impulse by lightening.

Further, a preset 10 seconds time-delay prevents excessive operation due to spotlight or lightning during the night time.

It provides constant reliability as the relay has sufficient work life of over 10,000 cycles, and offers extra long work life when a sandwich cover option is applied together.

This product provides twist lock terminals meeting the requirements of ANSI C136.41 as well as being listed by UL under the Standard for Plug-In, Locking Type Photocontrols for Use with Area Lighting ANSI/UL773.

FEATURES

- ANSI C136.41 Twist-lock
- 0-10V/1-10V Dimming
- MOV 40kA Surge Arrester Built-in
- Optional Sandwich cover for Long Life
- Multi-Volts Application
- IP65 Ready / IP67 Optional
- IR-filtered Phototransistor
- Constant On/Off Dimming
- Midnight Dimming (JL-242、JL-243)
- LED Decay Compensation (JL-243)

PARAMETERS

Model No.	JL-241/242/243C	JL-241/242/243E	JL-241/242/243F
Rated Voltage	120-277VAC	347VAC	480VAC
Rated Frequency	50/60Hz		
Applicable Volt Range	90-305VAC, 50/60Hz		
Rated Loading	1000W Tungsten, 1800VA Ballast, 8A e-Ballast@120VAC 5A e-Ballast@208-277VAC		

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PARAMETERS

Model No.	JL-241/242/243C	JL-241/242/243E	JL-241/242/243F
Ambient Temperature	-40°C ~ +70 °C		
Related Humidity	96%		
Fail Mode	Fail-On		
Shell material	PC		
High protection	Sandwich cover		
Surge protection	MYL1-40K511	MYL1-40K911	
IP level	IP65/IP67		
Certifications	  		