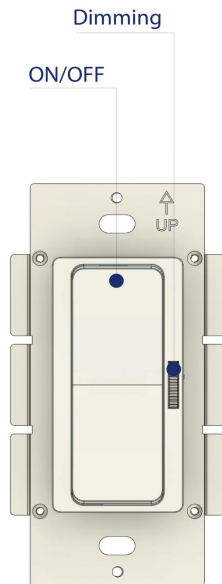


LED Dimmer & Driver 2 in 1

12/24V Auto Adapt JLAD Series 60W



Features

- Integrated dimmer and driver design 2 in 1
- Constant voltage working mode
- UL/cUL Listed, Class 2 rated
- Dimmable to 1%-100%, Flicker Free
- Automatically detects 12V or 24V LED loads and adjusts output accordingly
- High efficiency, high power factor, high stability
- Short circuit, over voltage/current/temperature protection
- Fine-Tune Output Voltage Adjustment
slight output voltage trimming-12V: 12-13.5V 24V: 24-25.5V
- Small mini load request: 6%
- Dimming output with high frequency PWM signal
- Suitable for Dry, Damp locations

Model		JLAD-CV060-1224	
Input	Voltage Range	120-277V	
	Frequency	50/60hz	
	Power Factor	0.95(Full load)	
	Efficiency	12V:90%; 24V:91%	
	Input Current	0.95A/110VAC	
Output	RMS Voltage	12Vdc	24Vdc
	Voltage Range	12-13.5V	24-25.5V
	RMS Current	5A	2.5A
	RMS Power	60W	
Protection	Over Voltage	Shut down the output when non-load voltage>14 V,and recover automatically	Shut down the output when non-load voltage>28 V,and recover automatically
	Over Temp.	Automatically recover after cooling	
	Over Current	Shut down the output when current load > 110%, and recover automatically	
	Short Circuit	Hiccup Mode, recover automatically	
Environment	Operating Temp.	-25~+50℃	
	Storage Temp.	-25~+80℃	
	T case	90℃	
Safety & EMC	Certificate	UL 8750,CSA C22.2 NO.250.13	
	Dielectric Strength (Hi-Pot)	1.88KVAC (I/P-O/P,I/P-Case)	
	Insulation Resistance	100MΩ/500VDC/25℃/70%RH	
	EMS Immunity	IEC6100-4-5(L-N:1KV)	
	Life Time	50,000 hours at Tc ≤ 80℃ maximum case hot spot temperature	
	Minimum load available for Dimming	6%	
	EM Interference	EN55015, EN61000-3-2	
	EM Susceptibility	EN61000-4-2.3.4.5.6.8.11. EN61547	
Enclosure	Dimension	1.73"*4.13"* 1.69 "(L*W*H) ; 44*105*43mm(L*W*H)	
	Net Weight	0.35kg	

Notes:

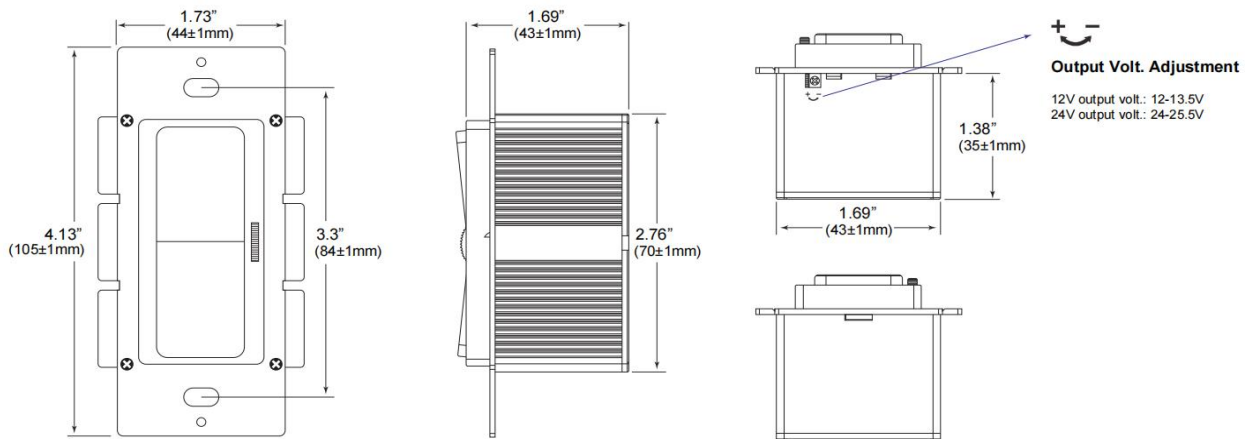
1. Tested environment temperature: 25℃
2. The LED driver is considered a component to be installed in a light fixture. The fixture should be re-verified to ensure it meets EMC directives.
3. Be careful of ambient temperature and heat dissipation during the use this product. When temp. exceeds TA, the driver shall be derated.



LED Dimmer & Driver 2 in 1

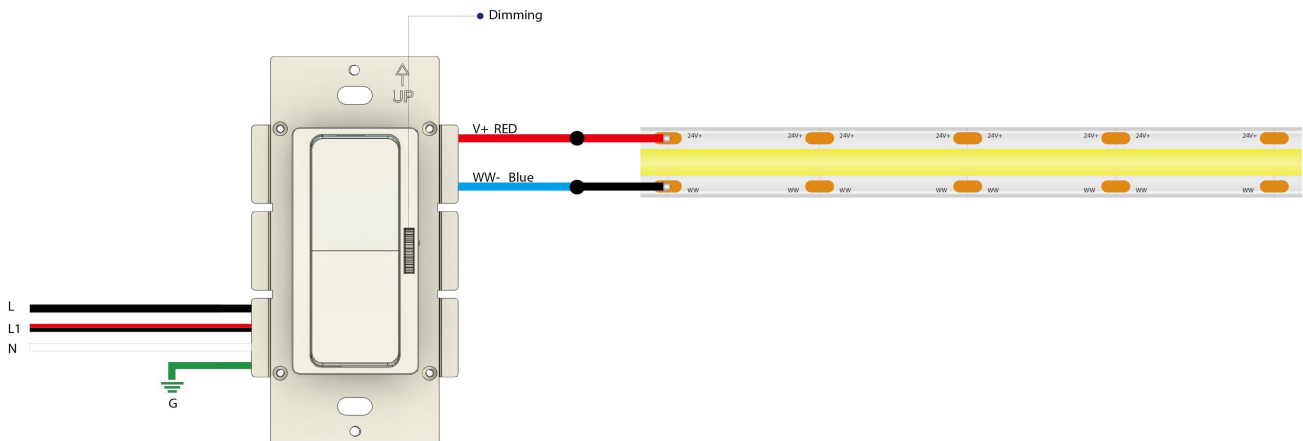
12/24V Auto Adapt JLAD Series 60W

Product Diagram

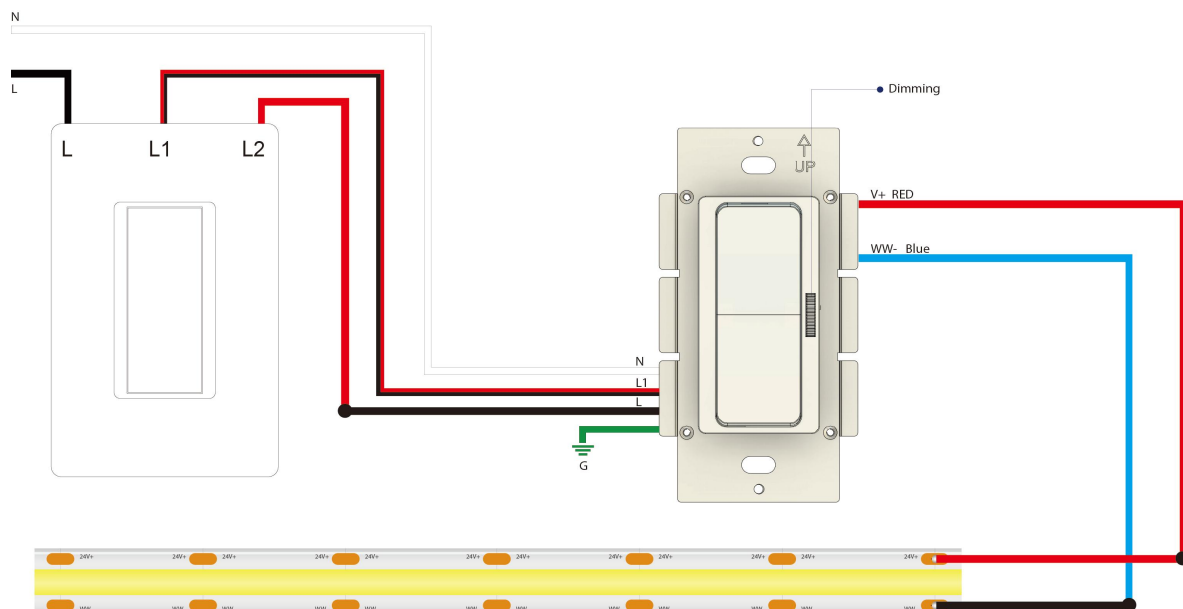


Wiring Diagram

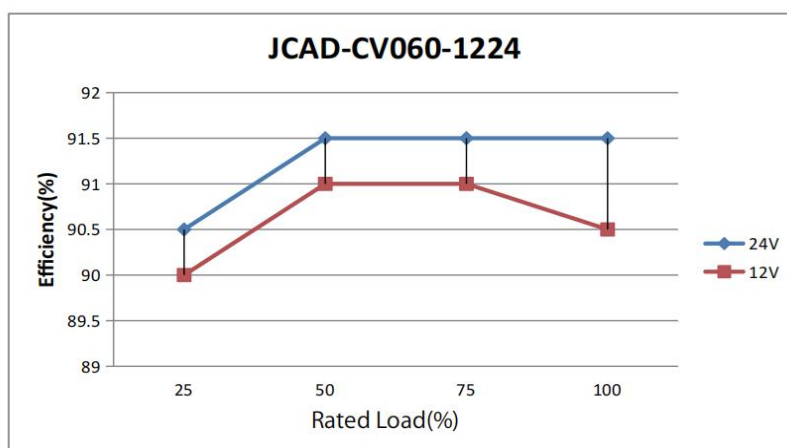
Standard dimming system



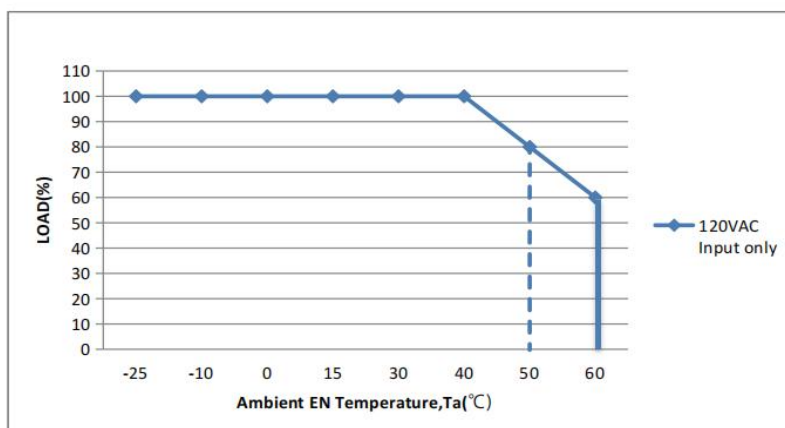
3-way dimming system



Output Load vs Efficiency



Derating Curve



- Notes: To extend their life, please refer to the Derating Curve and derate according to the temperature
1. All the parameters not specially mentioned are measured at 120VAC input, rated load and ambient temperature of 25°C.
 2. Please pay attention to the direction of wiring, do not reverse the input and output terminals.
 3. The driver should be installed by a certified electrician.
 4. Please ensure the driver is installed in an area with adequate ventilation to facilitate heat dissipation.
 5. Please contact us directly if you have any questions. Do not repair privately. Please contact us sales@joymancontrols.com