



Constant Voltage LED Driver, 288 W, 110-277 V AC to 24 V DC Output, 5-in-1 Dimming, IP65

- 288 W total output over three channels at 24 V DC, 4 A each
- 5-in-1 dimming: Triac, 0-10 V, 1-10 V, 10 V PWM, potentiometer
- PWM output at 4000 Hz constant frequency, 0.1-100% flicker-free
- Typical efficiency 91% at 120 VAC, THD below 15% at full load
- Aluminum housing rated IP65 for dry, damp and wet locations
- Short-circuit, over-load and over-temperature auto-recovery protection

OVERVIEW

The PMA-J series is a 288 W constant voltage dimmable LED driver with three output channels supplying 24 V DC at 4 A per channel. The IP65 aluminum housing suits dry, damp and wet locations, and mounting tabs allow flat, side or vertical installation in ceiling cavities, coves and sign cabinets.

Input accepts 110-277 V AC at 47-63 Hz with typical efficiency of 91% at 120 VAC and 92% at 277 VAC, power factor 0.99 at 120 VAC and THD under 15% at full load. Dimming covers Triac, 0-10 V, 1-10 V, 10 V PWM and potentiometer control over a flicker-free 0.1-100% range, with PWM output at a constant 4000 Hz. Short-circuit, over-load and over-temperature protection recover automatically. Case temperature range is -40 to +60 °C.

EMC emissions comply with FCC Part 15 Subpart B. Backed by a 3-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime	50,000 h
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MECHANICAL

Product Dimensions	34.5*25*27.5CM
Finish	Black
Material	Aluminum
Mounting	Flat, side or vertical mounting tabs
Weight	3.75 lb

ORDERING

Warranty	3 y
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ELECTRICAL

Operating Voltage	110-277 V
Wattage	288 W
Current Draw	2.8 A
Dimmer Type	Triac + 0-10V

ENVIRONMENTAL

IP Rating	IP65
Environmental Rating	Non-Waterproof
Ambient Operating Temperature	-40-60 °C -40-140 °F
Operating Humidity	20-95% RH non-condensing

- High quality aluminum housing for excellent heat dissipation
- Suitable for dry, damp, wet location, IP65
- Dimming curve can be customized
- Meets Title 24/JA8 requirements
- 5-year Warranty



NEMA 4X Class P Class 2 RoHS
24V OR 48VDC 110-277V SELV

Function Introduction



Fine Tune Output Voltage:
See below:
24V Output: 17V-25V
48V Output: 36V-49V

With fine tuning voltage knob,
1) +1V: compensates for light attenuation and overcome voltage drop during installation and wiring.
2) Fine adjustment can be used as a dimmer: customers can also adjust a certain brightness when using without a dimmer. (dimming range: 30% -100%)

INSTALLATION

CERTIFICATIONS & COMPLIANCE



APPLICATIONS

- Cove and architectural linear lighting
- Illuminated channel letters and sign cabinets
- Retail display and casework lighting
- Commercial ceiling and soffit installations

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	110-277 V	pdf	high
wattage	288 W	pdf	high
current_draw	2.8 A	pdf	high

slug	value	source	confidence
dimmer_type	Triac + 0-10V	db	high
product_dimensions	34.5*25*27.5CM	pdf	high
finish	Black	db	high
material	Aluminum	pdf	high
mount_type	Flat, side or vertical mounting tabs	pdf	high
weight	3.75 lb	pdf	high
ip_rating	IP65	pdf	high
environmental_rating	Non - Waterproof	db	high
ambient_temp_c	-40~60 °C	pdf	high
operating_humidity	20-95% RH non - condensing	pdf	high
warranty_years	3 y	db	high

Specifications subject to change without notice.

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