



Constant Voltage LED Driver, 96 W, 120-277 V AC to 24 V DC, 5-in-1 Dimming, IP65

- 96 W constant-voltage output at 24 V DC, 4 A rated current
- 5-in-1 dimming: Triac, 0-10 V, 1-10 V, 10 V PWM and potentiometer
- 4000 Hz constant-frequency PWM output, 0.1-100% flicker-free range
- Aluminum housing rated IP65 for dry, damp and wet locations
- Short-circuit, over-load and over-temperature protection circuits
- FCC Part 15 Subpart B emissions compliance, 3-year warranty

OVERVIEW

The PMA-J Series 96 W driver is a constant-voltage dimmable LED power supply for 24 V DC tape light, linear fixtures, cove details and signage. The aluminum housing is rated IP65 for dry, damp and wet locations and mounts flat, on its side or vertically using tabs on the left and right sides.

Output is 24 V DC at 4 A with ± 0.5 V voltage tolerance, $\pm 1\%$ load regulation and a 4000 Hz constant-frequency PWM waveform. Dimming covers Triac forward and reverse phase, MLV, ELV, 0-10 V, 1-10 V, 10 V PWM and onboard potentiometer control over a 0.1-100% flicker-free range, and a fine-tuning knob adds up to +1 V to offset voltage drop. Short-circuit, over-load and over-temperature protection are built in, with a -40 to +60 °C case temperature range.

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

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

MECHANICAL

Product Dimensions 28*25*22.5CM

Finish Black

Material Aluminum

Mounting Flat, side or vertical mounting
via side tabs

Weight 1.98 lb

ORDERING

Warranty 3 y

ELECTRICAL

Operating Voltage 110-277 V

Wattage 96 W

Current Draw 4 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



Exclusive patent design of “Clamshell” aluminum junction box. (Screw-free to close the box)

Flexible Mounting:
flat mounting,
side mounting,
vertical mounting

Large space for wiring
Mobile baffle to isolate strong and weak electric

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

Architectural cove and linear tape lighting

Channel letters and illuminated signage

Retail display and casework lighting

Hospitality and commercial interior accent lighting

Under -cabinet and millwork lighting

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slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	110-277 V	pdf	high
wattage	96 W	pdf	high

slug	value	source	confidence
current_draw	4 A	pdf	medium
dimmer_type	Triac + 0 - 10V	db	high
product_dimensions	28*25*22.5CM	pdf	high
finish	Black	db	high
material	Aluminum	pdf	high
mount_type	Flat, side or vertical mounting via side tabs	pdf	high
weight	1.98 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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