



RGB LED Power Amplifier, 5–24VDC, 288W at 12V / 576W at 24V, Black

- Wide input voltage range of 5 - 24VDC for varied low - voltage setups
- Delivers up to 288W of RGB LED load at 12VDC
- Delivers up to 576W of RGB LED load at 24VDC
- Series function permits linking into existing controller runs
- Compact housing measures 3 × 2 × 2 in and weighs 0.3 lb
- Black finish housing

OVERVIEW

The C-AM3-288BK is an RGB LED power amplifier designed to extend and repeat control signals in multi-zone LED lighting systems. It accepts a wide input voltage range of 5–24VDC, making it compatible with a broad range of low-voltage RGB installations. Its series function allows it to integrate directly into existing controller-driven systems without disrupting upstream signal integrity.

At 12VDC, the amplifier supports up to 288W of connected RGB LED load. At 24VDC, that capacity increases to 576W, accommodating larger installations or higher-density fixture runs.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

ELECTRICAL

Operating Voltage 12–24 V

Wattage 0 W

MECHANICAL

Product Dimensions 3 × 2 × 2 in

Finish Black

Weight 0.3 lb

ORDERING

Warranty 1 y

APPLICATIONS

- Multi-zone RGB LED strip installations
- Signal repeating for long LED strip runs
- Retail display lighting control
- Architectural accent lighting systems
- Signage lighting control networks

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	12~24 V	db	high
wattage	0 W	db	high
product_dimensions	3 × 2 × 2 in	db	high
finish	Black	pdf	high
weight	0.3 lb	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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