



Waterproof RGB LED Amplifier, 3-Channel, 5–24VDC Input, 288W Max Output

- Three-channel RGB amplifier for multi-zone power boosting
- Accepts 5–24VDC input for flexible power source compatibility
- Delivers up to 144W at 12VDC or 288W at 24VDC
- Waterproof housing suited for indoor and outdoor installation
- Rated LED lifetime of 50,000 hours
- 1-year limited warranty

OVERVIEW

The C-AM3-144WP is a waterproof RGB power amplifier designed to extend signal and power output in multi-zone RGB LED lighting systems. It is suited for both indoor and outdoor installations where exposure to moisture or weather is a concern.

The amplifier accepts an input voltage range of 5-24VDC, delivering up to 144W at 12VDC or 288W at 24VDC across three channels. Its compact, waterproof construction supports reliable long-term performance in demanding environmental conditions, with a rated LED lifetime of 50,000 hours.

SPECIFICATIONS

OPTICAL

LED Lifetime 50,000 h

ELECTRICAL

Operating Voltage	24 V
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Wattage 0 W

MECHANICAL

Product Dimensions 6 × 4 × 2 ft

Weight 0.4 lb

ORDERING

Warranty	1 y
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APPLICATIONS

Outdoor RGB LED strip installations Multi-zone architectural lighting systems Signage and display lighting power boosting

Landscape and pool-area LED lighting Commercial low-voltage lighting control runs

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	24 V	db	high
wattage	0 W	db	high
product_dimensions	6 × 4 × 2 ft	db	high
weight	0.4 lb	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.