



Single-Color LED Signal Amplifier, DC 5-24V Input, 30A Output, Iron Shell

- Input voltage range of DC 5-24V for broad power source compatibility
- Stable output voltage range of DC 12-24V
- 30A output current capacity for driving large LED loads
- Iron shell construction for durability and passive heat dissipation
- Single-channel design for straightforward control and synchronization
- Rated LED lifetime of 50,000 hours

OVERVIEW

The C-AM1-360 is a single-channel LED signal amplifier designed to extend and maintain signal integrity in single-color LED lighting systems. It is suited for both small- and large-scale installations where consistent brightness and color output must be preserved across long runs or multiple zones.

The amplifier accepts an input voltage of DC 5-24V and delivers a stable output voltage of DC 12-24V with a 30A output current capacity. Its iron shell construction provides structural durability and passive heat dissipation, supporting reliable operation under continuous use.

The LED load driven by this amplifier carries a rated lifetime of 50,000 hours, and the unit is backed by a 1-year warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime	50,000 h
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ELECTRICAL

Operating Voltage	5-24 V
Current Draw	30 A

MECHANICAL

Material	Iron
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ORDERING

Warranty	1 y
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APPLICATIONS

Commercial signage lighting runs	Architectural accent lighting installations	Long-run single-color LED strip projects	Multi-zone LED lighting control systems
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PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	5-24 V	pdf	high
current_draw	30 A	pdf	high
material	Iron	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.