



LED Strip Amplifier, DC 5–24V, 10A per Channel, 3-Channel

- Drives three independent LED strip circuits simultaneously
- Wide operating voltage range from 5VDC to 24VDC
- Delivers up to 10A of output current per channel
- Built-in overcurrent protection for circuit safety
- Thermal shutdown feature guards against overheating
- Rated for a 50,000-hour operational lifetime

OVERVIEW

The C-AM3-360 is a 3-channel LED strip amplifier designed to repeat and boost signal across independent LED lighting circuits. It is intended for use in commercial and residential LED installations where a single controller must drive extended strip runs without voltage or signal degradation.

The amplifier operates over a wide input voltage range of 5VDC to 24VDC and delivers up to 10A per channel across three separate output circuits. Built-in overcurrent protection and thermal shutdown help safeguard connected equipment and the unit itself during fault conditions.

The unit carries a 1-year warranty and is rated for a 50,000-hour operational lifetime.

SPECIFICATIONS

OPTICAL

LED Lifetime	50,000 h
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ELECTRICAL

Operating Voltage	5–24 V
Current Draw	10 A

ORDERING

Warranty	1 y
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APPLICATIONS

Extended LED strip lighting runs	Commercial signage installations	Residential accent lighting systems	Multi-zone LED lighting control
Retail display lighting			

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	10 A	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.