



3-Channel Onboard LED Controller, 12VDC / 180W, Compact Design

- Three independent channels for separate zone or load control
- 180W total power output at 12VDC operating voltage
- Rated for ambient operating temperatures of 0-40°C
- Compact 4 × 2 × 2 ft footprint for panel or enclosure integration
- Lightweight at 0.3 lb for simplified mounting
- Backed by a 1-year warranty

OVERVIEW

The C-3-180 is a 3-channel onboard LED controller designed for managing independent electrical output circuits in commercial and industrial lighting applications. Its compact form factor supports straightforward integration into control panels or enclosures where multi-channel operation is required.

The controller delivers a total power output of 180W across three independent channels at 12VDC, allowing separate control of distinct lighting zones or load circuits. The onboard design consolidates control functionality into a single compact unit, rated for ambient operating temperatures of 0-40°C, and includes advanced safety features suited for a range of electrical control applications.

SPECIFICATIONS

OPTICAL

LED Lifetime	50,000 h
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ELECTRICAL

Operating Voltage	12 V
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Wattage	180 W
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MECHANICAL

Product Dimensions	4 × 2 × 2 ft
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Weight	0.3 lb
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ENVIRONMENTAL

Ambient Operating Temperature	0-40 °C 32-104 °F
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ORDERING

Warranty	1 y
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APPLICATIONS

Multi-zone RGB LED strip control panels

Commercial lighting control enclosures

Industrial electrical control cabinets

Retrofit control panel upgrades

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	12 V	db	high
wattage	180 W	db	high
product_dimensions	4 × 2 × 2 ft	db	high
weight	0.3 lb	db	high
ambient_temp_c	0–40 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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