



Full Color 3-Channel Touch Panel LED Controller, 144-288W, 12-24V

- Operates on dual voltage input, 12VDC or 24VDC
- Handles 144W at 12VDC or up to 288W at 24VDC
- Three-channel output for full-color RGB LED control
- Touch panel interface for color, dimming and effect selection
- Rated for ambient operating temperatures of 0-40°C
- LED lifetime rating of 50,000 hours

OVERVIEW

The C-3-TP144 is a 3-channel full-color touch panel LED controller designed for 12VDC and 24VDC lighting systems. It provides hands-on control of color selection, brightness dimming, and dynamic lighting effects, making it suitable for commercial and architectural LED installations where flexible ambience control is required.

The controller supports a maximum load of 144W at 12VDC or 288W at 24VDC across its three output channels. The touch panel interface simplifies operation for end users while giving installers a straightforward, low-profile control solution compatible with a range of RGB or color-tunable LED fixtures. Rated for ambient operating temperatures of 0-40°C with an LED lifetime rating of 50,000 hours.

SPECIFICATIONS

OPTICAL

LED Lifetime	50,000 h
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ELECTRICAL

Operating Voltage	12-24 V
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Wattage	144-288 W
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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

Architectural accent lighting control

Commercial RGB LED strip installations

Retail and hospitality ambience lighting

Cove and cabinet lighting color control

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	12-24 V	db	high
wattage	144-288 W	db	high
ambient_temp_c	0-40 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.