



RGB LED RF Remote Controller, 44-Key, 288W/12V – 576W/24V, 12-24Vdc

- 44-key RF remote for direct color and mode selection
- Operates on 12-24Vdc input voltage range
- Handles up to 288W at 12V or 576W at 24V load
- Rated for 50,000-hour LED lifetime
- Ambient operating temperature range of 0-40°C
- 1-year warranty coverage

OVERVIEW

The C-3-R288 is a 44-key RF remote controller designed for RGB LED lighting systems. It is suited for commercial and residential installations where wireless color control, brightness adjustment, and dynamic lighting effects are required without a hardwired interface.

The controller operates on a 12-24Vdc input and supports a maximum load of 288W at 12V or 576W at 24V, accommodating a range of RGB LED strip and fixture configurations. Rated LED lifetime is 50,000 hours, and the unit is rated for ambient operating temperatures of 0-40°C. The 44-key layout provides direct access to color selection, dimming, and preset lighting modes.

SPECIFICATIONS

OPTICAL

LED Lifetime	50,000 h
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ELECTRICAL

Operating Voltage	12-24 V
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Wattage	288-576 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

Commercial RGB LED strip installations

Residential accent and cove lighting

Retail display color control

Architectural feature lighting

Signage and decorative lighting systems

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	12-24 V	db	high
wattage	288-576 W	db	high
ambient_temp_c	0-40 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.