



Waterproof RGB LED Controller with Remote, 12V/144W – 24V/288W

- Handles 144W output on 12V systems and up to 288W on 24V systems
- Operates across a 12-24V input range for varied RGB LED setups
- Waterproof housing suited for indoor and outdoor installation
- Includes remote control for color and lighting mode selection
- Rated for ambient operating temperatures of 0-40°C
- Backed by a 1-year manufacturer warranty

OVERVIEW

The C-3-R144-WP is a waterproof RGB LED controller designed to manage color output and lighting effects for RGB LED strip and fixture installations. It is suited for both indoor and outdoor applications where moisture resistance is required.

The controller supports 12V systems up to 144W and 24V systems up to 288W, providing flexibility across common low-voltage RGB LED configurations. The included remote control enables selection of color options and lighting modes without direct access to the controller. Rated for ambient operation between 0-40°C, its waterproof construction makes it appropriate for installations in environments exposed to the elements.

The controller carries a 1-year warranty and is rated for an LED lifetime 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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MECHANICAL

Product Dimensions	6 × 4 × 2 in
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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

- Outdoor RGB LED strip installations
- Landscape and architectural accent lighting
- Signage and display lighting control
- Indoor decorative RGB 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	144–288 W	db	high
product_dimensions	6 × 4 × 2 in	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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