



RGB RF Sub Controller, 12 - 24V DC, 144 - 288W, Synchronized Multi-Zone Operation

- Three-channel output at 4A per channel
- 144W output at DC 12V or 288W at DC 24V
- Operates across 12 - 24V DC input range
- Ambient operating range of 0 - 40°C
- Compact enclosure measuring 6 × 4 × 2 in, 0.4 lb
- Backed by a 1-year warranty

OVERVIEW

The C-3-R144-SUB is an RF sub controller designed to operate in conjunction with the C-R144/Mr master controller, enabling synchronized control of RGB lighting systems across multiple zones. It is suited for commercial and architectural installations requiring coordinated multi-zone RGB output.

The controller delivers 4A per channel across three channels, providing 144W total capacity when powered at DC 12V, or 288W when paired with a DC 24V supply. This dual-voltage capability allows integration into a range of RGB lighting setups. The unit is rated for ambient operating temperatures of 0 - 40°C and carries a compact footprint of 6 × 4 × 2 in at 0.4 lb.

The product carries a 1-year warranty.

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	0.4 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

- RGB lighting synchronization systems
- Architectural facade lighting
- Multi-zone commercial lighting control
- Retail and display lighting installations

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	0.4 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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