



4-Channel Smart RGBW LED Controller, 144W, 24V DC, Wi-Fi & Voice Control

- 144W total output distributed across four channels
- 24V DC input power requirement
- 50,000-hour rated LED lifetime for connected loads
- 16 million color palette with RGBW color mixing
- Wi-Fi and IR remote control with Alexa/Google Assistant compatibility
- Music-reactive mode and programmable timer functions

OVERVIEW

The C-4-WF144 is a 4-channel smart RGBW LED controller designed for flexible-strip and architectural lighting installations requiring wireless control and color tuning. It supports Wi-Fi connectivity and IR remote operation, and is compatible with Amazon Alexa and Google Assistant for voice control. A QR code scan provides access to the companion app for full-featured setup and scene control.

The controller operates on 24V DC input and delivers up to 144W of total output across four channels. Onboard features include a music-reactive mode, a programmable timer, and a 16-million-color palette for dynamic or static RGBW scenes. The connected LED load is rated for a 50,000-hour service life.

The unit is backed by a 1-year manufacturer warranty.

SPECIFICATIONS

OPTICAL

LED Lifetime	50,000 h
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ELECTRICAL

Operating Voltage	24 V
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Wattage	144 W
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Input Connection Type	Wi-Fi / IR Remote
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ORDERING

Warranty	1 y
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APPLICATIONS

- Flexible LED strip lighting circuits
- Architectoral accent lighting
- Retail display lighting
- Residential mood and ambiance lighting
- Commercial signage lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
led_lifetime_h	50,000 h	db	high
operating_voltage	24 V	db	high
wattage	144 W	db	high
input_connection_type	Wi-Fi / IR Remote	pdf	medium
warranty_years	1 y	db	high

Specifications subject to change without notice.