



SPI LED Controller, DC 5-24V, App + RF Remote + Button Control, 2x600 Pixels

- Operates on DC 5-24V input voltage range
- Draws 50mA current at rated load
- Two output channels supporting 600 pixels each
- App, RF remote, and button control options
- IP30 rating for indoor dust protection
- Backed by a 1-year warranty

OVERVIEW

The C-SP-RF-WF4600 is an SPI LED controller designed for integration with pixel-addressable LED lighting systems in both commercial and residential installations. It supports control via a smartphone app, RF remote, and onboard buttons, providing flexible operation options for a range of lighting configurations.

The controller operates on DC 5-24V and draws 50mA. It drives two LED output channels at 600 pixels each, for a total pixel capacity of 1,200 pixels. An IP31 rating provides basic dust protection, making this unit suitable for indoor environments.

The controller carries a 1-year warranty and is rated for LED lifetime of up to 50,000 hours.

SPECIFICATIONS

OPTICAL

LEDs per Segment	600
LED Lifetime	50,000 h

ELECTRICAL

Operating Voltage	5-24 V
Current Draw	0.05 A

ENVIRONMENTAL

IP Rating	IP30
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ORDERING

Warranty	1 y
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APPLICATIONS

Pixel-addressable LED strip installations	Architectural accent lighting displays	Retail and commercial signage lighting	Residential decorative lighting setups
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PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
leds_per_segment	600	pdf	high
led_lifetime_h	50,000 h	db	high
operating_voltage	5-24 V	pdf	high
current_draw	0.05 A	pdf	high
ip_rating	IP30	pdf	medium
warranty_years	1 y	db	high

Specifications subject to change without notice.