



SPI LED Controller, App + RF Remote + Buttons, DC 5–24V, 2×600 Pixels

- Operates on DC 5V to 24V input range
- Draws only 50mA current for efficient power use
- Supports high-definition output of 2×600 pixels
- Controlled via app, RF remote, or onboard buttons
- IP31 rated for indoor installation environments
- Compatible with multiple SPI-driven integrated circuits

OVERVIEW

The SP601E is a professional-grade SPI LED controller designed for addressable lighting systems in indoor installations. It provides intuitive control through an RF remote, onboard buttons, and app-based operation, making it suitable for both simple and complex lighting configurations across a range of commercial and architectural applications.

The controller operates on DC 5V to 24V and draws 50mA of current, supporting a high-definition output of 2×600 pixels. Its IP31 rating limits use to indoor environments. The SP601E is compatible with multiple SPI-driven integrated circuits, offering broad flexibility across various addressable LED products and installations.

SPECIFICATIONS

OPTICAL

LEDs per Segment	600
LED Lifetime	50,000 h

ELECTRICAL

Operating Voltage	5–24 V
Current Draw	0.05 A

MECHANICAL

Product Dimensions	7 × 5 × 2 in
Weight	0.7 lb

ENVIRONMENTAL

IP Rating	IP31
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ORDERING

Warranty	1 y
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APPLICATIONS

- Indoor architectural lighting displays
- Addressable LED strip installations
- Retail and hospitality accent lighting
- Commercial signage lighting control
- Interior decorative lighting projects

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
leds_per_segment	600	pdf	medium
led_lifetime_h	50,000 h	db	high
operating_voltage	5–24 V	pdf	high
current_draw	0.05 A	pdf	high
product_dimensions	7 × 5 × 2 in	db	high
weight	0.7 lb	db	high
ip_rating	IP31	pdf	medium
warranty_years	1 y	db	high

Specifications subject to change without notice.

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