



RGB LED Strip Segment, 12V 5.76W
SMD5050 24-LED 16 in. Length, IP20

- SMD5050 RGB chip configuration for full color mixing
- 24 LEDs per 16 in. (40 cm) segment
- Draws 5.76 W at 12V DC per segment
- IP20 environmental rating for dry indoor use
- Pre-installed connectors for multi-segment runs
- Rated LED lifetime of 50,000 hours

OVERVIEW

The M-S50-16BRG is a 12V RGB LED strip segment intended for color-changing accent, cove, and architectural lighting applications. Each segment measures 16 inches (40 cm) and ships with pre-installed connectors for integration into multi-segment runs or controller-based systems. The SMD5050 chip configuration provides full RGB color mixing across 24 LEDs per segment.

Each segment draws 5.76 watts at 12V DC and carries an IP20 environmental rating, suited to dry indoor installations. The strip carries a rated LED lifetime of 50,000 hours and a 1-year warranty.

SPECIFICATIONS

OPTICAL

Beam Angle	180°
LED Chip Type	SMD5050
LEDs per Segment	24
LED Lifetime	50,000 h
Light Color	RGB

MECHANICAL

Length	0.4 m 1.3 ft
Finish	White

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	12 V
Wattage	5.76 W

ENVIRONMENTAL

IP Rating	IP20
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APPLICATIONS

- Cove lighting
- Accent lighting
- Architectural feature walls
- Display case lighting
- Under-cabinet color lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
beam_angle_deg	180°	db	high
led_chip_type	SMD5050	db	high

slug	value	source	confidence
leds_per_segment	24	pdf	high
led_lifetime_h	50,000 h	db	high
color	RGB	db	high
operating_voltage	12 V	db	high
wattage	5.76 W	db	high
length	0.4 m	pdf	high
finish	White	db	high
ip_rating	IP20	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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