



SMD3838 RGB LED Strip Light, 12V DC, 120 LEDs/m, 8mm Wide, Color Changing

- SMD3838 chip technology for color-changing RGB output
- 120 LEDs per meter density for continuous illumination
- 8mm strip width suited for compact installations
- CRI rated at 80 for accurate color rendering
- Rated LED lifetime of 50,000 hours
- 1-year limited warranty

OVERVIEW

The M-38N-120-RGB-UL is a flexible RGB LED strip light built on SMD3838 chip technology, designed for color-changing applications in both indoor and outdoor environments. At 8mm wide with a density of 120 LEDs per meter, it is suited for architectural accent lighting, cove installations, signage backlighting, and general decorative illumination where a compact profile and dynamic color output are required.

The strip operates on a 12V DC input, making it compatible with standard low-voltage LED drivers and controllers. RGB capability supports a broad spectrum of colors and dynamic lighting effects through standard RGB control protocols with a CRI of 80 and a rated LED lifetime of 50,000 hours. The flexible construction allows the tape to conform to curved or irregular surfaces for straightforward installation.

The product carries a 1-year limited warranty.

SPECIFICATIONS

OPTICAL

CRI	80
LED Chip Type	SMD3838
LED Density	120 LEDs/m
LED Lifetime	50,000 h

ELECTRICAL

Operating Voltage	12 V
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MECHANICAL

Strip Width	8 mm 0.31 in
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ORDERING

Warranty	1 y
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APPLICATIONS

- Architectural accent lighting
- Cove lighting installations
- Signage backlighting
- Decorative interior illumination
- Color-changing display lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
cri	80	db	high
led_chip_type	SMD3838	db	high
led_density	120 LEDs/m	pdf	high
led_lifetime_h	50,000 h	db	high
operating_voltage	12 V	pdf	high
strip_width	8 mm	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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