



RGB LED Tape Light, SMD5050, 60 LEDs/m, 12VDC, 5m Roll, IP20, UL

- SMD5050 chip package with 60 LEDs per meter for even color mixing
- Draws 14.4W per meter at 12VDC operating voltage
- CRI of 95 for accurate RGB color rendering
- IP20 rated for dry indoor installation environments
- 50,000-hour LED lifetime with a 2mm minimum cut length
- UL, RoHS, and CE listed with a 1-year warranty

OVERVIEW

The M-50N-60-RGB-UL is an RGB LED tape light designed for color accent and decorative lighting in commercial and residential applications. The strip ships in a 5-meter roll, operates at 12VDC, and uses SMD5050 chips at 60 LEDs per meter for consistent color mixing along the run.

The strip draws 14.4W per meter and delivers 500 lumens per foot, with a CRI of 95 for accurate color rendering across the RGB output range. It carries an IP20 rating for dry indoor locations, a 120° beam angle, and an LED lifetime of 50,000 hours, with a minimum cut length of 2mm for flexible layout planning.

The product is UL, RoHS, and CE listed and carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

Efficacy	960 lm/W
CRI	95
Beam Angle	120°
LED Chip Type	SMD5050
LED Density	60 LEDs/m
LED Lifetime	50,000 h
Light Color	RGB

MECHANICAL

Length	5 m 16.4 ft
Minimum Cut Length	2 mm 0.08 in
Finish	White

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	12 V
Wattage	14.4 W

ENVIRONMENTAL

IP Rating	IP20
Ambient Operating Temperature	-40–40 °C -40–104 °F

CERTIFICATIONS & COMPLIANCE

UL

UL Listed

RoHS

RoHS Compliant

CE

CE

APPLICATIONS

- Cove and accent lighting
- Under-cabinet color lighting
- Retail display and signage backlighting
- Architectural feature walls
- Residential decorative lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
efficacy_lm_per_w	960 lm/W	db	high
cri	95	db	high
beam_angle_deg	120°	db	high
led_chip_type	SMD5050	db	high
led_density	60 LEDs/m	db	high
led_lifetime_h	50,000 h	db	high
color	RGB	db	high
operating_voltage	12 V	db	high
wattage	14.4 W	db	high
length	5 m	db	high
min_cut_length	2 mm	db	high
finish	White	db	high
ip_rating	IP20	db	high
ambient_temp_c	-40~40 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.