



RGB+White 3000K LED Strip, 12V,
14.4W/m, 60 LEDs/m, IP20, UL Listed,
5m Roll

- 4-in-1 SMD5050 chip delivers RGB plus 3000K warm white output
- 60 LEDs per meter across a 5-meter reel for continuous illumination
- Operates at 12VDC, drawing 14.4W per meter
- IP20 rated for dry indoor environments only
- Minimum cut length of 2mm allows precise custom lengths
- UL Listed, RoHS compliant, and CE marked

OVERVIEW

The M-50N-60-RGB3K-UL is a 4-in-1 RGBW LED strip combining red, green, blue, and 3000K warm white channels on a single SMD5050 chip. Designed for indoor accent, cove, and architectural lighting, it suits both residential and commercial installations.

The strip operates at 12VDC and draws 14.4W per meter, with 60 LEDs per meter across a 5-meter roll. The 12mm-wide substrate includes adhesive backing for surface mounting, and the minimum cut length is 2mm for flexible sizing. CRI is rated at 80, beam angle is 120°, and the IP20 rating limits use to dry, indoor environments. Rated LED lifetime is 50,000 hours.

The strip is UL Listed, RoHS compliant, and CE marked, with a 1-year warranty.

SPECIFICATIONS

OPTICAL

Efficacy	960 lm/W
Color Temperature	3,000 K
CRI	80
Beam Angle	120°
LED Chip Type	SMD5050
LED Density	60 LEDs/m
LED Lifetime	50,000 h
Light Color	RGB + CCT

MECHANICAL

Product Dimensions	(W)12mm*(L)5m
Length	5 m 16.4 ft
Minimum Cut Length	2 mm 0.08 in
Finish	White

ELECTRICAL

Operating Voltage	12 V
Wattage	14.4 W

ENVIRONMENTAL

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

ORDERING

Warranty

1 y

CERTIFICATIONS & COMPLIANCE

UL

UL Listed

RoHS

RoHS Compliant

CE

CE

APPLICATIONS

- Cove lighting
- Architectural accent lighting
- Under - cabinet lighting
- Commercial display lighting
- Residential ambient lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
efficacy_lm_per_w	960 lm/W	db	high
cct_k	3,000 K	db	high
cri	80	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 + CCT	db	high
operating_voltage	12 V	db	high
wattage	14.4 W	db	high
product_dimensions	(W)12mm*(L)5m	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.