



RGB+CCT 5-Channel LED Strip Light, SMD5050, 16W/m, 60 LEDs/m, IP20, 12VDC

- 5-channel RGB+CCT color mixing with adjustable CCT and full-color output
- SMD5050 chips at 60 LEDs per meter density
- Operates on 12VDC, drawing 16W per meter
- IP20 rated for dry indoor installation environments
- CRI above 80 for accurate color rendering
- Minimum cut length of 2mm for custom run lengths

OVERVIEW

The M-50N-60-RGBCCT-ECO is a 5-channel RGB+CCT LED strip light for indoor accent and general illumination. It combines red, green, blue, warm white, and cool white channels on a single strip, allowing full color mixing and adjustable color temperature from one run.

The strip operates on 12VDC and draws 16W per meter using SMD5050 chips at a density of 60 LEDs per meter, with a minimum cut length of 2mm for flexible installation sizing. It carries an IP20 rating suitable for dry indoor environments, a 120° beam angle, and CRI above 80 for reliable color rendering. Rated LED lifetime is 50,000 hours, and the strip tolerates ambient temperatures from -40°C to 40°C.

The product carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

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

MECHANICAL

Minimum Cut Length	2 mm 0.08 in
Finish	White

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	12 V
Wattage	16 W

ENVIRONMENTAL

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

APPLICATIONS

- Cove and cabinet accent lighting
- Retail display and shelf lighting
- Architectural cove lighting in offices
- Residential and commercial interior accent lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
efficacy_lm_per_w	960 lm/W	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	16 W	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.