



SMD5050 LED Strip Light, 24V, 5000K, 60 LEDs/m, IP20, 9W, 5m Roll

- SMD5050 chip type at 60 LEDs per meter density
- 5000K color temperature with CRI 95 for accurate color rendering
- IP20 rated, ambient operating range -40°C to 40°C
- Double-layer 2oz FPC construction, 10mm strip width
- 5m reel length with 2mm minimum cut length
- UL Listed, RoHS and CE compliant, 1-year warranty

OVERVIEW

The M-50N-60-50K-24V-ULX is a 24VDC LED strip light supplied in a 5-meter roll, built around SMD5050 chips at a density of 60 chips per meter. It is suited for commercial and industrial ambient or accent lighting applications where consistent, high-quality white light is required.

The strip produces a 5000K correlated color temperature with a CRI of 95, delivering clean, neutral-to-cool white output at 120° beam angle. Construction uses a double-layer 2oz FPC substrate, providing mechanical durability while maintaining flexibility for varied installation conditions. Strip width is 10mm, power draw is 9W, and rated LED lifetime is 50,000 hours. Ambient operating range is -40°C to 40°C.

This strip is UL Listed, supporting use in projects requiring listed components, and is also RoHS and CE compliant. A 1-year warranty applies.

SPECIFICATIONS

OPTICAL

Efficacy	960 lm/W
Color Temperature	5,000 K
CRI	95
Beam Angle	120°
LED Chip Type	SMD5050
LED Density	60 LEDs/m
LED Lifetime	50,000 h
Light Color	White

ELECTRICAL

Operating Voltage	24 V
Wattage	9 W

MECHANICAL

Length	5 m 16.4 ft
Strip Width	10 mm 0.39 in
Minimum Cut Length	2 mm 0.08 in
Finish	White
Material	Double-layer 2oz FPC

ORDERING

Warranty	1 y
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ENVIRONMENTAL

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

CERTIFICATIONS & COMPLIANCE

UL UL Listed	RoHS RoHS Compliant	CE CE
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APPLICATIONS

Under-cabinet and cove lighting	Retail display and shelf illumination	Architectural accent lighting	Commercial ceiling and cornice lighting
Signage backlighting			

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
efficacy_lm_per_w	960 lm/W	db	high
cct_k	5,000 K	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	White	db	high
operating_voltage	24 V	db	high
wattage	9 W	db	high
length	5 m	db	high
strip_width	10 mm	pdf	high
min_cut_length	2 mm	db	high
finish	White	db	high
material	Double-layer 2oz FPC	pdf	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.