



Interior LED Tape Light, SMD5050 S-Shape Bendable, 60 LEDs/m, 14.4 W/m, 3000K, 24 V DC, IP20

- S-shape serpentine circuit bends horizontally to a 50 mm radius
- SMD5050 chips at 60 LEDs/m on double-layer 2 oz FPC, 8 mm wide
- 14.4 W/m at 24 V DC with 0.6 A/m input current
- 1100 lm/m at 3000 K, CRI 80, 90 lm/W efficacy
- 5 m reel, cuttable in 100 mm increments
- UL listed under file E346797 with lead-free RoHS assembly

OVERVIEW

An 8 mm wide S-shape bendable SMD5050 tape light supplied on 5 m reels for interior coverlighting, cove details, display casework and signage returns. The serpentine double-layer 2 oz FPC allows horizontal bends down to a 50 mm radius, and 3M adhesive backing supports direct mounting to channel or substrate.

The strip runs on 24 V DC at 14.4 W/m and 0.6 A/m, producing 1100 lm/m at 3000 K with CRI 80 and a 120-degree emitting angle, for an efficacy of 90 lm/W. Density is 60 chips per meter with a 100 mm minimum cut length. Rated IP20 for dry interior locations, with an operating range of -20 to 45 C and 40 to 70 percent RH. Red and black 18 AWG leads, 150 mm long, are factory attached.

UL listed under file E346797 and built with lead-free RoHS SMT assembly. Two-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	1,100 lm
Efficacy	90 lm/W
Color Temperature	3,000 K
CRI	80
Beam Angle	120°
LED Chip Type	5050
LED Density	60 LEDs/m
LED Lifetime	5,000 h
Light Color	White

ELECTRICAL

Operating Voltage	24 V
Wattage	14.4 W
Maximum Current	0.6 A
Power Supply Input	24v
Wire Gauge	18 AWG
Wire Length	5.9 in

MECHANICAL

Product Dimensions	5000 * 8 mm
Length	5 m
	16.4 ft
Strip Width	8 mm
	0.31 in
Minimum Cut Length	100 mm
	3.94 in
Finish	White
Material	Double Layer 20ZFPC- 8mm width

COMPLIANCE

UL File Number	E346797 4JL0
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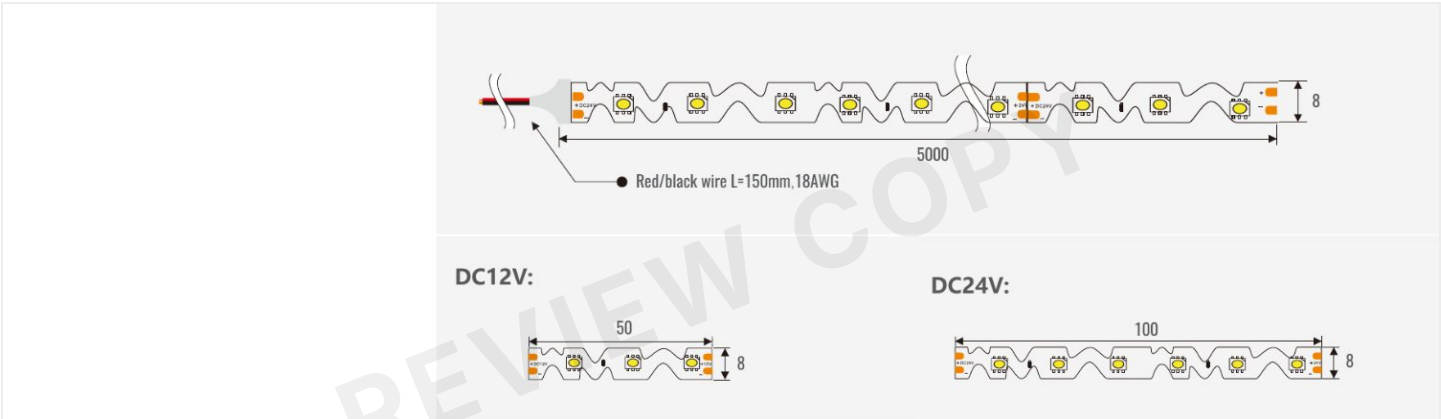
ENVIRONMENTAL

IP Rating	IP20
Environmental Rating	Non-Waterproof
Ambient Operating Temperature	-20-45 °C
	-4-113 °F
Operating Humidity	40% - 70% RH

ORDERING

Warranty	2 y
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DIMENSIONS & DIAGRAMS



Optical Parameters

LED Type	SMD5050
Ra	>80

Electrical Parameters

Input Voltage	DC24V
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Others

LED Qty/m
Min Cuttable L

DIMENSIONS

CERTIFICATIONS & COMPLIANCE

RoHS

RoHS Compliant

UL

UL Listed
E346797 4JL0

APPLICATIONS

- Cove and coverlighting details
- Retail display casework
- Channel letter and signage returns
- Millwork and cabinet accent lighting
- Curved architectural reveals

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	1,100 lm	pdf	high
efficacy_lm_per_w	90 lm/W	pdf	high
cct_k	3,000 K	both	high
cri	80	both	high
beam_angle_deg	120°	pdf	high
led_chip_type	5050	db	high
led_density	60 LEDs/m	db	high
led_lifetime_h	5,000 h	db	high
color	White	db	high
operating_voltage	24 V	db	high
wattage	14.4 W	pdf	high
current_draw	0.6 A	pdf	high
ps_input	24v	db	high
wire_gauge	18 AWG	pdf	high
wire_length	5.9 in	pdf	medium
product_dimensions	5000 * 8 mm	pdf	high
length	5 m	db	high
strip_width	8 mm	pdf	high
min_cut_length	100 mm	db	high
finish	White	db	high
material	Double Layer 20ZFPC-8mm width	db	high
ip_rating	IP20	both	high
environmental_rating	Non - Waterproof	db	high
ambient_temp_c	-20-45 °C	pdf	high
operating_humidity	40% - 70% RH	pdf	high
ul_file_number	E346797 4JL0	db	high
warranty_years	2 y	db	high

Specifications subject to change without notice.