



SMD5630 LED Strip Light, 140 LEDs/m, 28.8 W/m, 5000K, 24 VDC, IP20, 5 m Reel

- SMD5630 emitters at 140 LEDs/m in a single-row layout
- 28.8 W per meter draw on a 24 VDC constant-voltage supply
- 5000K output with CRI of 90 or greater and 120 degree beam angle
- 90 lm/W efficacy at 60 lm per LED
- 3 oz copper PCB rated for -25 C to +45 C operation
- UL listed and RoHS compliant with a 3-year warranty

OVERVIEW

Single-row SMD5630 LED strip light supplying 5000K neutral white output at 140 LEDs per meter on a 3 oz copper PCB. Supplied on 5 m (16.4 ft) reels measuring 5000 × 10 mm, with an IP20 non-waterproof construction intended for dry interior coves, cabinetry and architectural linear runs.

The strip draws 28.8 W per meter at 24 VDC and produces 60 lm per LED for approximately 2600 lm per meter at 90 lm/W, with CRI of 90 or greater and a 120 degree beam angle. The tape is cuttable every 50 mm and can be rejoined by soldering at the cut mark, and it is compatible with 0-10V dimming control. Rated operating range is -25 C to +45 C.

UL listed and RoHS compliant, with a 3-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	60 lm
Efficacy	90 lm/W
Color Temperature	5,000 K
Selectable CCT *	Single Color
CRI	90
Beam Angle	120°
LED Chip Type	SMD5630
LED Density	140 LEDs/m
LED Lifetime	26,280 h
Light Color	White

ELECTRICAL

Operating Voltage	24 V
Wattage	28.8 W
Dimmer Type	0 - 10V

MECHANICAL

Product Dimensions	5000*10mm
Length	5 m 16.4 ft
Strip Width	10 mm 0.39 in
Minimum Cut Length	1.96 mm 0.08 in
Finish	White

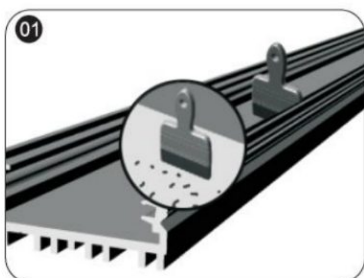
ORDERING

Warranty	3 y
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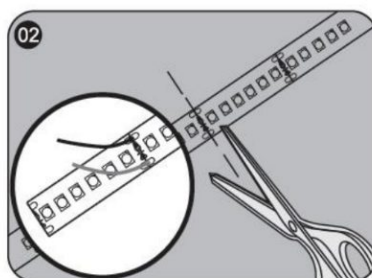
ENVIRONMENTAL

IP Rating	IP20
Environmental Rating	Non - Waterproof
Ambient Operating Temperature	-25 °C -13 °F

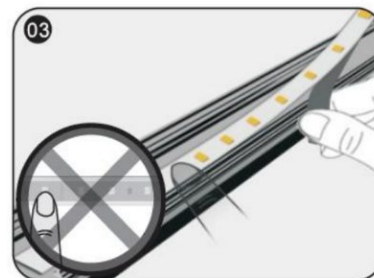
REVIEW COPY



- Clean up debris on the mounting surface to ensure surface cleaning



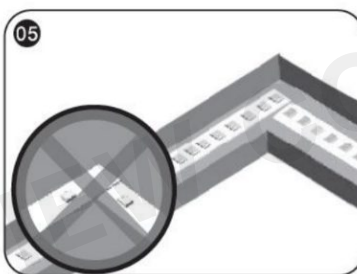
- Measure the length of the strip to be installed, and cut the extra LED strip along the scissors marking line. If you need to increase the connecting wire, please weld it at the next scissors mark at the cut.



- When attaching the led strip, be careful to peel while sticking. It is strictly forbidden to tear off all the release paper at once to prevent the led strip from sticking to each other.
△ Note: Do not press the lamp beads!



- The position of the led where scissors are in contact with the bottom of the section need to isolate with sticker tape, so as to avoid short circuit.



- The light strip at the corner is installed as shown above
△ Note: Do not fold into a right angle
Direct bending on the surface of the profile is strictly prohibited



- After the strip is installed, it is connected to the power output. Insulation, short - circuit protection and corrosion protection should be done at the terminals

CERTIFICATIONS & COMPLIANCE

RoHS

RoHS Compliant

UL

UL Listed

APPLICATIONS

- Cove and soffit lighting
- Under-cabinet and millwork accent runs
- Retail display and shelving illumination
- Architectural linear detailing in dry interiors
- Signage and lightbox backlighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	60 lm	both	high
efficacy_lm_per_w	90 lm/W	pdf	high
cct_k	5,000 K	both	high
cct_selectable	Single Color	db	low
cri	90	both	high
beam_angle_deg	120°	both	high
led_chip_type	SMD5630	db	high
led_density	140 LEDs/m	db	high
led_lifetime_h	26,280 h	db	high
color	White	db	high
operating_voltage	24 V	pdf	high
wattage	28.8 W	pdf	high
dimmer_type	0 - 10V	db	high
product_dimensions	5000*10mm	pdf	high
length	5 m	db	high
strip_width	10 mm	pdf	high
min_cut_length	1.96 mm	db	high
finish	White	db	high
ip_rating	IP20	both	high
environmental_rating	Non - Waterproof	db	high
ambient_temp_c	-25 °C	db	high
warranty_years	3 y	db	high

* Value inferred from source data; verify before specification.
Specifications subject to change without notice.