



6mm Flexible LED Neon, SMD 2835, 240 LEDs/m, 10 W/m, 24 V DC, IP65, CRI 90, 5 m Roll

- Side-emitting silicone extrusion, 5000 × 6 × 12 mm profile
- 240 SMD 2835 LEDs per meter at 10 W/m, 0.36 A per meter
- CRI 90 with selectable 2700 K through 6500 K color temperature
- IP65 rated against acid, alkali, salt corrosion and UV exposure
- UL Listed under file E348340 with a 3-year warranty
- 50,000-hour rated life and 120-degree beam distribution

OVERVIEW

A side-emitting 6mm flexible LED neon strip in a silicone jacket, supplied on 5 m rolls measuring 5000 × 6 × 12 mm. The side-emitting optic and 120-degree distribution suit cove details, signage returns, handrail runs and exterior architectural outlines where a continuous linear line of light is required.

The strip carries 240 SMD 2835 emitters per meter, draws 10 W/m at 24 V DC and 0.36 A per meter, and delivers CRI 90 output in selectable 2700 K, 3000 K, 4000 K, 5000 K and 6500 K color temperatures. Rated efficacy runs 28 to 32 lm/W with 240 to 275 lm/m, rated life is 50,000 hours, and the IP65 silicone extrusion resists acid, alkali, salt corrosion and UV exposure. Bending diameter is 60 mm and cuts are made at the printed cut marks.

UL Listed under file E348340 and backed by a 3-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux *	275 lm
Efficacy *	32 lm/W
Color Temperature	2,700K / 3,000K / 4,000K / 5,000K / 6,500K
Selectable CCT *	CCT
CRI	90
Beam Angle	120°
LED Chip Type	SMD 2835
LED Density	240 LEDs/m
LED Lifetime	50,000 h

MECHANICAL

Product Dimensions	5000*6*12mm
Length	5 m 16.4 ft
Strip Width	6 mm 0.24 in
Finish	White
Material	Silicone

ELECTRICAL

Operating Voltage	24 V
Wattage	10 W
Current Draw	0.36 A

ENVIRONMENTAL

IP Rating	IP65
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COMPLIANCE

UL File Number E348340

ORDERING

Warranty 3 y

DIMENSIONS & DIAGRAMS

LED Qty/m	240LEDs/m		WW	 3000	≥120°	250	29
Voltage	DC24V	90+	NW	 4000	≥120°	275	32
Input Current (A)	0.36A (1m)		MW	 5000	≥120°	265	31
Power	10W/M		W	 6500	≥120°	260	30
Power Range	9-11W						
Times of Power On and Off	>10000 Times						
IP Grade	IP65						

Remarks:

1) The given data are typical values due to the tolerance of the production and electrical components, output value and electrical power can vary up to 10%.

2) Testing standards refer to IES LM-79-08.

3) The above luminous flux is based on CRI80, and the number will reduce by around 20% in CRI 90.

DIMENSIONS

CERTIFICATIONS & COMPLIANCE



UL Listed
E348340

APPLICATIONS

- Architectural cove and ceiling details
- Channel letter and sign outlining
- Exterior facade and landscape accent runs
- Handrail and stair nosing illumination
- Retail display and millwork lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	275 lm	pdf	low
efficacy_lm_per_w	32 lm/W	pdf	low
cct_k	2,700K / 3,000K / 4,000K / 5,000K / 6,500K	both	high
cct_selectable	CCT	db	low
cri	90	both	high
beam_angle_deg	120°	both	high
led_chip_type	SMD 2835	db	high
led_density	240 LEDs/m	db	high
led_lifetime_h	50,000 h	db	high
operating_voltage	24 V	db	high
wattage	10 W	pdf	high
current_draw	0.36 A	pdf	high
product_dimensions	5000*6*12mm	pdf	high
length	5 m	db	high
strip_width	6 mm	pdf	high
finish	White	db	high
material	Silicone	pdf	high
ip_rating	IP65	both	high
ul_file_number	E348340	db	high
warranty_years	3 y	both	high

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