

6mm LED Neon Rope Light, 12VDC, 8W/m, 6000K, IP67, 5m Roll

OVERVIEW

The M-N6-12V-W is a 6mm silicone LED neon rope light operating on 12V DC, designed for architectural accent lighting, signage backlighting, cove lighting, and contour applications where a clean, uniform neon appearance is required. The food-grade silicone construction and integrated extrusion molding provide consistent light diffusion with no hotspots or shadows across the 5-meter roll.

The fixture draws 8W per meter using SMD2835 LM80-qualified chips at 120 chips per meter, delivering 450 lumens per meter at 6000K. Rated IP67, the product withstands moisture, saline solutions, UV exposure, and corrosive environments. Operating temperature range spans -40°C to 60°C, and rated service life is 30,000 hours. Minimum bend radius is 60mm; power supply derating to 80% load is required per manufacturer guidelines.

The M-N6-12V-W carries ETL, CE, and RoHS certifications. A 12V DC isolated power supply with less than 5% ripple is required; non-isolated or RC voltage-reduction supplies are not permitted. The product is backed by a 3-year manufacturer warranty. Note: this product is not rated for submerged installations such as swimming pools or fountains.

SPECIFICATIONS

IP rating	IP67	Dimensions	W6 x H12 mm
Input voltage	12 V	Weight	4.3 kg
CCT	6000 K	Rated life	30000 h
CRI	80	Warranty	3 y
Power	40 W/roll	Operating temp	-40 to 60 °C

DIMENSIONS

	(mm)			C	
M-N6-XX	6*12	33*33*11CM	4.3KG	3.5KG	50M/roll

CERTIFICATIONS & COMPLIANCE



RoHS



IP67