

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

OVERVIEW

The M-N6-12V-B is a 6mm silicone LED neon rope light operating on 12VDC, designed for architectural accent lighting, signage backlighting, and contour applications in both indoor and outdoor environments. Constructed from food-grade silicone via integrated extrusion molding, it delivers a continuous, shadow-free blue illumination across a 5m roll.

The fixture draws 40W per roll (8W/m) at 120 SMD2835 chips per meter, producing 450 lm/m with an IP67 rating suitable for dust-tight and water-immersion-resistant installations. Rated for a 30,000-hour service life, the silicone housing withstands saline solutions, acids, alkalis, corrosive gases, and UV exposure across an operating temperature range of -40°C to 60°C. Minimum bend radius is 60mm.

The M-N6 Series carries ETL, CE, and RoHS certifications. A 12VDC isolated power supply is required; the supply should be derated to 80% capacity per installation guidelines. The product is backed by a three-year manufacturer warranty. Not rated for submerged pool or fountain installations.

SPECIFICATIONS

| | | | |
|-----------------------|--------------|-------------------|-------------|
| IP rating | IP67 | CRI | 80 |
| Input voltage | 12 V | Power | 40 W/roll |
| Warranty | 3 yr | Dimensions | W6 x H12 mm |
| Rated life | 30000 hr | Weight | 4.3 kg |
| 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