

RGB LED Strip Light, 24V DC, 240 LEDs/m, 25W/m, SMD5050, IP20

OVERVIEW

The M-50N-240-RGB-24V-UL is an indoor RGB LED strip light designed for commercial and residential applications including office, retail, hospitality, and industrial environments. Running on 24V DC with SMD5050 LEDs at a density of 240 LEDs per meter, it delivers uniform, full-color illumination across a 5-meter reel. The 20mm PCB width accommodates the RGB channel layout, and a 3M adhesive backing simplifies surface mounting on clean, smooth substrates.

The strip draws 25W per meter and produces 1,036 lm/m at a luminous efficacy of 41 lm/W. Minimum cutting interval is every 50mm (12 LEDs). The IP20 rating limits use to dry indoor locations only. Operating temperature range is -25°C to +50°C, with a maximum Tc point of 80°C. Each reel ships individually bagged; carton quantity is 100 reels.

The product carries a 3-year manufacturer warranty. RoHS compliance is confirmed in source documentation. Installation must be performed by a qualified, licensed electrician in accordance with applicable local and national electrical codes.

SPECIFICATIONS

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|--------------------------|------------|--------------------------|---------------|
| Power Per Meter W | 25 W/m | Current Per Meter | 1.057 A/m |
| Input voltage | 24 V | Min Cut Interval | 50 mm |
| IP rating | IP20 | Pcb Width | 20 mm |
| Lumens Per Meter | 1036 lm/m | Roll length | 5 m |
| Luminous Efficacy | 41 lm/W | Operating temp | -20 to +60 °C |
| LED chip | SMD5050 | Tc Max | 80 °C |
| Chip density | 240 LEDs/m | Warranty | 3 years |

WIRING DIAGRAM

