

RGB LED Strip Light, 24V DC, 120 LEDs/m, 10W/m, SMD5050, IP20

OVERVIEW

The M-50N-120-RGB-24V-UL is an indoor RGB LED strip light designed for commercial and residential applications including office, retail, and industrial environments. Running on 24V DC low-voltage input, it delivers consistent color output across a 5-meter reel using SMD5050 chips at a density of 120 LEDs per meter.

The strip consumes 10W per meter (3.05W/ft) and produces 447.5 lm/m, mounted on a 10mm-wide PCB with a minimum cut interval of every 50mm (6 LEDs). Rated IP20, it is suitable for dry indoor installations only. Operating temperature range is -20°C to +60°C (-4°F to 140°F), with a maximum thermal point (Tc) of 80°C (176°F). The strip is compatible with standard RGB controllers available in the market and includes 3M adhesive tape backing for surface mounting.

The product carries TÜV Rheinland certification as confirmed in the datasheet. Installation must comply with local and national electrical codes and should be performed by a qualified, licensed electrician.

SPECIFICATIONS

| | | | |
|------------------|--------|-----------------------|---------------|
| Power | 10 W/m | Input voltage | 24 V |
| IP rating | IP20 | Operating temp | -20 to +60 °C |

DIMENSION



| Length/Reel | Width | Height | LED Spacing | Min. Cutting \pm |
|-----------------|--------------|-------------|----------------|------------------------|
| 5000mm/196.85in | 10mm/0.394in | 2mm/0.079in | 8.33mm/0.328in | Every 50mm/1.97in @120 |

Note:
LED strip length tolerance is $\pm 0.25mm$.
Width tolerance is $\pm 0.25mm$.