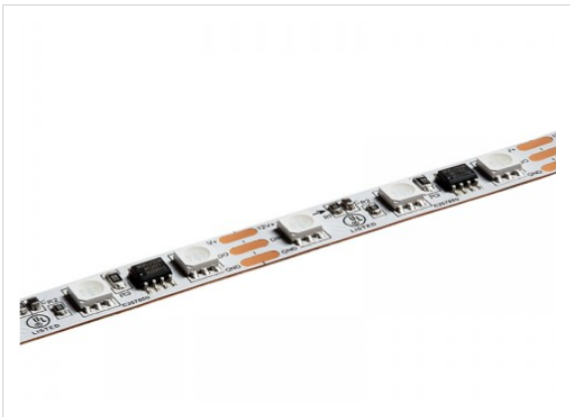




Digital SPI RGB LED Strip Light,
SM16703 IC, 60 LEDs/m, 14.4W/m,
12V DC, IP20, 5M Roll

- SM16703 IC driver enables individually addressable RGB control
- 60 LEDs per meter on a 10mm-wide PCB for continuous illumination
- Operates at 12V DC, drawing 14.4W per meter of strip
- Rated IP20 for dry indoor installation environments
- Minimum cut length of 2mm allows precise strip sizing
- Backed by a 1-year manufacturer warranty

OVERVIEW

The M-50N-60-DGT-12V is a digital SPI RGB LED strip light designed for accent, mood, and decorative lighting in residential and commercial applications. Each 5-meter roll delivers individually addressable color control via the SM16703 IC driver, enabling synchronization of colors and dynamic effects across the strip.

The strip operates at 12V DC and draws 14.4W per meter, with a chip density of 60 LEDs per meter on a 10mm-wide PCB. The IP20 rating makes it suitable for dry indoor installations, and the SPI control protocol allows integration with compatible digital controllers for programmable lighting sequences.

This strip light carries a 1-year warranty.

SPECIFICATIONS

OPTICAL

Efficacy	960 lm/W
CRI	80
Beam Angle	120°
LED Chip Type	SM16703
LED Density	60 LEDs/m
LED Lifetime	50,000 h

MECHANICAL

Length	5 m 16.4 ft
Strip Width	10 mm 0.39 in
Minimum Cut Length	2 mm 0.08 in
Finish	White

ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	12 V
Wattage	14.4 W

ENVIRONMENTAL

IP Rating	IP20
Ambient Operating Temperature	-40–40 °C -40–104 °F

APPLICATIONS

- Accent lighting
- Cove lighting
- Residential mood lighting
- Retail display lighting
- Commercial signage lighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
efficacy_lm_per_w	960 lm/W	db	high
cri	80	db	high
beam_angle_deg	120°	db	high
led_chip_type	SM16703	db	high
led_density	60 LEDs/m	db	high
led_lifetime_h	50,000 h	db	high
operating_voltage	12 V	db	high
wattage	14.4 W	db	high
length	5 m	pdf	high
strip_width	10 mm	pdf	high
min_cut_length	2 mm	db	high
finish	White	db	high
ip_rating	IP20	db	high
ambient_temp_c	-40–40 °C	db	high
warranty_years	1 y	db	high

Specifications subject to change without notice.