



IP65 Waterproof LED Strip Light,  
5000K, 24V, 14.4W/m, 60 LEDs/m,  
20m Roll

- 5050 LEDs at 60 LEDs per meter for uniform illumination
- 14.4W per meter power draw at 24V DC operating voltage
- 1200 lumens per meter output at 5000K color temperature
- IP65 rated for indoor and outdoor water-resistant installations
- 2oz copper PCB construction for thermal durability
- UL listed with 1-year limited warranty

OVERVIEW

The M-50S-60-50K-24V-UL-20M is a 24V DC LED strip light designed for commercial and industrial lighting applications requiring water resistance. It ships as a 20-meter roll and is suited for both indoor and outdoor installations where moisture exposure is a factor.

The strip operates at 14.4W per meter using 5050-package LEDs at a density of 60 LEDs per meter, delivering 1200 lumens per meter at 5000K (daylight) with an 80 CRI and 120° beam angle. The IP65 rating provides protection against water ingress. The PCB is constructed with 2oz copper for improved thermal performance and long-term reliability, and the LEDs carry a rated life of 50,000 hours.

This product carries a UL listing for electrical safety compliance and a 1-year warranty.

SPECIFICATIONS

OPTICAL

|                   |           |
|-------------------|-----------|
| Luminous Flux     | 1,200 lm  |
| Color Temperature | 5,000 K   |
| CRI               | 80        |
| Beam Angle        | 120°      |
| LED Chip Type     | 5050      |
| LED Density       | 60 LEDs/m |
| LED Lifetime      | 50,000 h  |

MECHANICAL

|        |                 |
|--------|-----------------|
| Length | 20 m<br>65.6 ft |
| Finish | White           |

ORDERING

|          |     |
|----------|-----|
| Warranty | 1 y |
|----------|-----|

ELECTRICAL

|                   |        |
|-------------------|--------|
| Operating Voltage | 24 V   |
| Wattage           | 14.4 W |

ENVIRONMENTAL

|           |      |
|-----------|------|
| IP Rating | IP65 |
|-----------|------|



UL Listed

APPLICATIONS

- Under-cabinet lighting
- Outdoor architectural accent lighting
- Commercial signage illumination
- Cove and cabinet lighting in wet locations
- Industrial equipment and display lighting

PROVENANCE — REVIEW COPY ONLY

| slug              | value     | source | confidence |
|-------------------|-----------|--------|------------|
| lumens            | 1,200 lm  | db     | high       |
| cct_k             | 5,000 K   | pdf    | high       |
| cri               | 80        | db     | high       |
| beam_angle_deg    | 120°      | db     | high       |
| led_chip_type     | 5050      | pdf    | high       |
| led_density       | 60 LEDs/m | pdf    | high       |
| led_lifetime_h    | 50,000 h  | db     | high       |
| operating_voltage | 24 V      | db     | high       |
| wattage           | 14.4 W    | db     | high       |
| length            | 20 m      | pdf    | high       |
| finish            | White     | db     | high       |
| ip_rating         | IP65      | pdf    | high       |
| warranty_years    | 1 y       | db     | high       |

Specifications subject to change without notice.