



LED Module 12VDC 6000K Pure White
IP65 SMD 2835 120° Beam Angle

- Two SMD2835 LEDs per module for compact channel letter lighting
- Operates at 12VDC with a rated wattage of 1W
- 6000K pure white color temperature output
- 120-degree beam angle for wide light distribution
- IP65 rated for dust and water jet protection
- Compact 27 × 6 × 4mm module dimensions

OVERVIEW

The 7-28×2W Mini LED Module is a compact, low-voltage lighting module designed for channel letter illumination, sign cabinets, display lighting, and similar commercial signage applications. Each module integrates two SMD2835 LEDs in a slim 27 × 6 × 4mm form factor suited for tight installation spaces.

The module operates at 12VDC with a rated wattage of 1W, emitting a 6000K pure white light across a 120-degree beam angle. An IP65 rating provides protection against dust ingress and low-pressure water jets, making the module suitable for both indoor and outdoor signage installations. The LEDs carry a rated lifetime of 50,000 hours.

The module is backed by a 1-year warranty.

SPECIFICATIONS

OPTICAL

Color Temperature	6,000 K
Beam Angle	120°
LED Chip Type	SMD 2835
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Product Dimensions	27 × 6 × 4 mm
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ORDERING

Warranty	1 y
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ELECTRICAL

Operating Voltage	12 V
Wattage	1 W

ENVIRONMENTAL

IP Rating	IP65
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APPLICATIONS

- Channel letter illumination
- Sign cabinet lighting
- Display case lighting
- Backlit signage
- Outdoor commercial signage

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
cct_k	6,000 K	pdf	high

slug	value	source	confidence
beam_angle_deg	120°	pdf	high
led_chip_type	SMD 2835	pdf	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
operating_voltage	12 V	db	high
wattage	1 W	db	high
product_dimensions	27 × 6 × 4 mm	pdf	high
ip_rating	IP65	pdf	high
warranty_years	1 y	db	high

Specifications subject to change without notice.

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