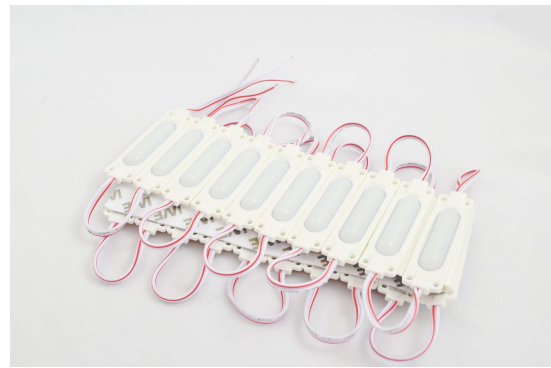




COB LED Sign Module Chain, 12V DC, 7000K, IP65, 160-Degree Beam, 20 Modules per String

- COB emitter with clear 160-degree optic lens for even sign fill
- 7000K color temperature with CRI of 75 or higher
- 120 lm per module at 110-120 lm/W efficacy
- IP65 protection grade for semi-exposed sign interiors
- Constant-voltage 12V DC wiring, maximum 20 modules per string
- ABS casing over aluminum PCB with constant current IC

OVERVIEW

The 7-30x1W-COB is a DC 12 V COB LED module chain built for internally illuminated channel letters, light boxes, and cabinet signage with 3-15 cm depth. Each module is housed in an ABS casing with an aluminum PCB, a constant current IC, and a clear optical lens, and is supplied 20 modules per string.

Output is 120 lm per module at 7000 K with a CRI of 75 or higher, distributed through a 160-degree lens for even face illumination. Constant-voltage operation, an IP65 protection grade, and a -25 to +60 °C working range suit semi-exposed sign interiors. Rated LED life is 50,000 hours. Modules mount with 3M tape for initial placement, then screws or neutral glass cement.

The LED package is LM-80 tested. Warranty is one year.

SPECIFICATIONS

OPTICAL

Luminous Flux	120 lm
Efficacy *	120 lm/W
Color Temperature	7,000 K
CRI	75
Beam Angle	160°
LED Chip Type	COB
LED Lifetime	50,000 h

MECHANICAL

Material	ABS housing with aluminum PCB
Mounting	3M tape with screws or neutral glass cement

ORDERING

Warranty	1 y
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ELECTRICAL

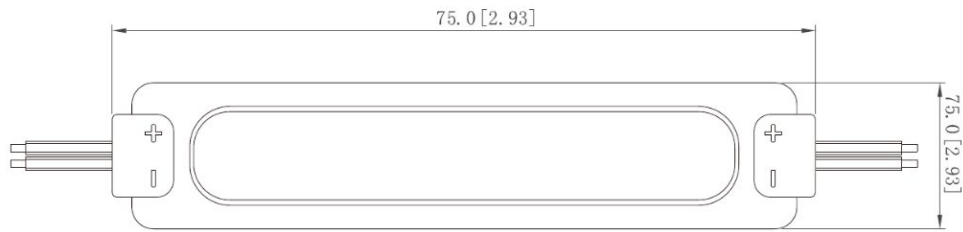
Operating Voltage	12 V
Wattage	1 W

ENVIRONMENTAL

IP Rating	IP65
Ambient Operating Temperature	-25-60 °C -13-140 °F

DIMENSIONS & DIAGRAMS

Unit: mm



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02

DIMENSION

CERTIFICATIONS & COMPLIANCE

LM80

LM-80 Tested

APPLICATIONS

- Illuminated channel letters
- Light boxes and sign cabinets
- Storefront and fascia signage
- Airport and transit wayfinding signs
- Shopping mall directory signage

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	120 lm	pdf	high
efficacy_lm_per_w	120 lm/W	pdf	low
cct_k	7,000 K	pdf	high
cri	75	pdf	high
beam_angle_deg	160°	pdf	high
led_chip_type	COB	pdf	high
led_lifetime_h	50,000 h	db	high
operating_voltage	12 V	db	high
wattage	1 W	db	high
material	ABS housing with aluminum PCB	pdf	high
mount_type	3M tape with screws or neutral glass cement	pdf	high

slug	value	source	confidence
ip_rating	IP65	pdf	high
ambient_temp_c	-25–60 °C	pdf	high
warranty_years	1 y	db	high

* Value inferred from source data; verify before specification.
Specifications subject to change without notice.

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