



COB LED Strip Light, 480 LEDs/m, 9 W/m, 5000K, CRI 90, IP20, 5 m Reel

- Dotless COB emitter array at 480 chips per meter on 8 mm PCB
- 9 W/m draw with 90-100 lm/W efficacy
- 5000K color temperature with CRI above 90
- 180-degree emitting angle for even wash coverage
- 25 mm minimum cut length with solder-free connector options
- UL Listed and RoHS compliant with 50,000-hour rated LED life

OVERVIEW

A dotless COB single-color strip light built on an 8 mm PCB at 480 chips per meter, supplied on 5 m reels. The continuous emitting surface eliminates multi-shadowing, making it suited to cove details, display cases and other interior runs where individual diodes should not be visible. IP20 construction limits use to dry indoor locations.

Output is 5000K at CRI 90 with a 180-degree emitting angle, drawing 9 W/m at an efficacy of 90-100 lm/W. Rated LED life is 50,000 hours, with an operating range of -20 to 45 C and 40 to 70 percent RH. The strip cuts in 25 mm increments at 12 V and accepts strip-to-strip, strip-to-wire, L-shape and T-shape connectors.

UL Listed and RoHS compliant, backed by a 3-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	100 lm
Efficacy *	100 lm/W
Color Temperature	5,000 K
CRI	90
Beam Angle	180°
LED Chip Type	COB
LED Density	480 LEDs/m
LED Lifetime	50,000 h
Light Color	White

ELECTRICAL

Operating Voltage	24 V
Wattage	9 W

MECHANICAL

Product Dimensions	5000 * 8 mm
Length	5 m 16.4 ft
Strip Width	8 mm 0.31 in
Minimum Cut Length	25 mm 0.98 in
Finish	White

ORDERING

Warranty	3 y
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ENVIRONMENTAL

IP Rating	IP20
Ambient Operating Temperature	-20-45 °C -4-113 °F
Operating Humidity	40% - 70% RH

DIMENSIONS & DIAGRAMS

Emitting Angle	180 °	Operating t
Luminous flux	90-100lm/w	Operating h
		Waterproof

DIMENSIONS

CERTIFICATIONS & COMPLIANCE

RoHS RoHS Compliant	UL UL Listed
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APPLICATIONS

Cove and ceiling coves	Retail display cases and shelving	Under-cabinet and millwork lighting	Architectural accent recesses
Signage and lightbox interiors			

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slug	value	source	confidence
lumens	100 lm	pdf	high
efficacy_lm_per_w	100 lm/W	pdf	low
cct_k	5,000 K	db	high
cri	90	both	high
beam_angle_deg	180°	both	high
led_chip_type	COB	pdf	high
led_density	480 LEDs/m	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
operating_voltage	24 V	pdf	high
wattage	9 W	pdf	high
product_dimensions	5000 * 8 mm	pdf	high
length	5 m	db	high
strip_width	8 mm	pdf	high
min_cut_length	25 mm	pdf	medium
finish	White	db	high

slug	value	source	confidence
ip_rating	IP20	both	high
ambient_temp_c	-20–45 °C	db	high
operating_humidity	40%–70% RH	pdf	high
warranty_years	3 y	db	high

* Value inferred from source data; verify before specification.

Specifications subject to change without notice.

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