



COB LED Strip Light, 480 LEDs/m, 24 V DC, 9 W/m, 4000 K, CRI 90, IP20, 5 m Reel

- Dotless COB emitter array at 480 chips per meter on 8 mm PCB
- 9 W/m draw at 24 V DC, 0.375 A per meter input current
- 4000 K output with CRI above 90 and 180 degree emitting angle
- Efficacy of 90-100 lm/W with 50,000 hour rated LED life
- Cuttable in 50 mm increments across the 5 m reel
- UL Listed with lead-free RoHS solder construction

OVERVIEW

A dotless COB LED strip built on an 8 mm wide PCB with 480 chips per meter, supplied on 5 m reels for continuous indoor linear runs. The IP20 construction and flexible, bend-resistant circuit suit cove details, under-cabinet channels, display cases and architectural coffers where a uniform line of light without visible pixels or multi-shadowing is required.

The strip operates on 24 V DC at 9 W and 0.375 A per meter, emits a 180 degree beam and delivers 90-100 lm/W at 4000 K with CRI above 90. Rated LED life is 50,000 hours, with an operating range of -20 to 45 C and 40 to 70 percent RH. The circuit can be cut every 50 mm at 24 V.

UL Listed and built with lead-free RoHS SMT assembly. Backed by a 3 year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	100 lm
Efficacy *	100 lm/W
Color Temperature	4,000 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
Current Draw	0.38 A

MECHANICAL

Product Dimensions	5000 * 8 mm
Length	5 m 16.4 ft
Strip Width	8 mm 0.31 in
Minimum Cut Length	50 mm 1.97 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 recess lighting	Under-cabinet and millwork illumination	Retail display case and shelf lighting
Architectural accent coves in lobbies	Signage and cabinet backlighting	

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slug	value	source	confidence
lumens	100 lm	pdf	high
efficacy_lm_per_w	100 lm/W	pdf	low
cct_k	4,000 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
current_draw	0.38 A	pdf	high
product_dimensions	5000 * 8 mm	pdf	high
length	5 m	db	high
strip_width	8 mm	pdf	high
min_cut_length	50 mm	pdf	high

slug	value	source	confidence
finish	White	db	high
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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