



COB LED Strip Light, 480 LEDs/m, 24 V DC, 9 W/m, 2700 K, CRI 90, IP20, 5 m Reel

- COB construction at 480 chips per meter for dotless output
- 9 W/m load drawing 0.375 A/m from a 24 V DC supply
- 2700 K single-color output with CRI above 90
- 8 mm wide PCB cuttable in 50 mm increments
- 180-degree emitting angle with 90-100 lm/W efficacy
- UL listed under file E346797, CE and RoHS compliant

OVERVIEW

COB Series is a single-color linear LED strip built on an 8 mm flexible PCB with 480 chips per meter, producing a continuous dotless line of light. The 5 m reel operates on 24 V DC and is rated IP20 for dry interior locations such as cove details, casework and display millwork.

Output is 2700 K at CRI 90 with a 180-degree emitting angle and efficacy of 90-100 lm/W. Power draw is 9 W/m at 0.375 A/m. The strip cuts every 50 mm at 24 V, operates from -20 C to +45 C and is rated for 40% - 70% RH.

Certified to UL under file E346797 and carrying CE and RoHS compliance. Backed by a 3-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	100 lm
Efficacy *	100 lm/W
Color Temperature	2,700 K
Selectable CCT *	Single Color
CRI	90
Beam Angle	180°
LED Chip Type	COB
LED Density	480 LEDs/m
LED Lifetime *	26,298 h

ELECTRICAL

Operating Voltage	24 V
Wattage	9 W
Current Draw	0.38 A
Dimmer Type	PWM

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

COMPLIANCE

UL File Number	E346797
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ENVIRONMENTAL

IP Rating	IP20
Environmental Rating	Non - Waterproof
Ambient Operating Temperature	- 20 °C - 4 °F
Operating Humidity	40% - 70% RH

ORDERING

Warranty	3 y
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DIMENSIONS & DIAGRAMS

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

DIMENSIONS

CERTIFICATIONS & COMPLIANCE

RoHS

RoHS Compliant

CE

CE

UL

UL Listed
E346797

APPLICATIONS

- Cove and ceiling perimeter lighting
- Retail display casework and shelving
- Under-cabinet and millwork accent lighting
- Hospitality and residential interior detailing
- Signage and backlit panel illumination

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	100 lm	pdf	high
efficacy_lm_per_w	100 lm/W	pdf	low
cct_k	2,700 K	db	high
cct_selectable	Single Color	db	low
cri	90	both	high
beam_angle_deg	180°	both	high
led_chip_type	COB	db	high
led_density	480 LEDs/m	db	high
led_lifetime_h	26,298 h	db	low
operating_voltage	24 V	pdf	high
wattage	9 W	pdf	high
current_draw	0.38 A	pdf	high
dimmer_type	PWM	pdf	medium
product_dimensions	5000 * 8 mm	pdf	high
length	5 m	db	high
strip_width	8 mm	pdf	high

slug	value	source	confidence
min_cut_length	50 mm	db	high
finish	White	db	high
ip_rating	IP20	both	high
environmental_rating	Non - Waterproof	db	high
ambient_temp_c	-20 °C	db	high
operating_humidity	40% - 70% RH	pdf	high
ul_file_number	E346797	db	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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