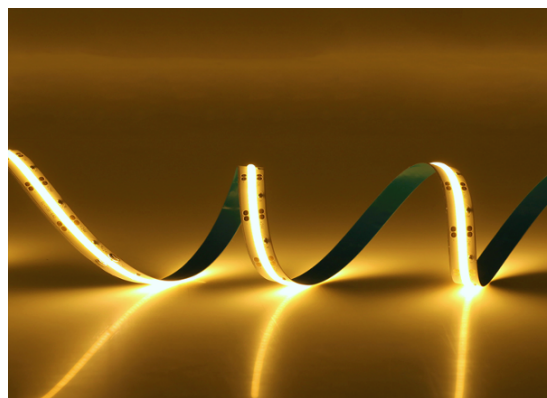




COB LED Strip Light, 480 LEDs/m, 24V, 9W/m, 2400K, CRI 90, IP20, 5 m Reel

- Chip-on-board emitter array at 480 chips per meter for dotless output
- 800-1000 lm/m at 2400 K with CRI 90 and 180-degree beam spread
- 9 W/m load on 24 V DC, drawing 0.42 A per meter
- 8 mm wide white PCB, 5000 mm reel, cuttable every 50 mm
- IP20 non-waterproof rating for interior dry-location use
- UL Listed, file number E346797, with 3-year warranty

OVERVIEW

The COB Series is a dotless single-color flexible LED strip built on an 8 mm white PCB and supplied on 5 m reels. The continuous chip-on-board emitter surface eliminates visible pixelation and multi-shadowing, making it suited to cove details, millwork reveals and display casework in dry interior locations.

Each meter carries 480 chips drawing 9 W at 24 V DC and 0.42 A, producing 800-1000 lm/m at 2400 K with CRI 90 and a 180-degree emitting angle. The strip is cuttable in 50 mm increments, accepts PWM dimming, and is rated IP20 non-waterproof for operation from -20 C to 45 C at 40-70% RH, with a 50,000-hour rated LED life.

UL Listed under file number E346797. Backed by a 3-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	1,000 lm
Color Temperature	2,400 K
Selectable CCT *	Single Color
CRI	90
Beam Angle	180°
LED Chip Type	COB
LED Density	480 LEDs/m
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Product Dimensions	5000 * 8mm
Length	5 m 16.4 ft
Strip Width	8 mm 0.31 in
Minimum Cut Length	50 mm 1.97 in
Finish	White
Material	PCB
Mounting	Wall/Pole Mount

ELECTRICAL

Operating Voltage	24 V
Wattage	9 W
Current Draw	0.42 A
Dimmer Type	PWM

ENVIRONMENTAL

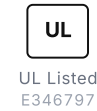
IP Rating	IP20
Environmental Rating	Non-Waterproof
Ambient Operating Temperature	-20-45 °C -4-113 °F
Operating Humidity	40%-70% RH

DIMENSIONS & DIAGRAMS

Emitting Angle	180 °	Operating t
Luminous flux	800-1000LM/M	Operating t
		Waterproof
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Tel: +13054688986		Email: sales@poliledsigns.com

DIMENSIONS

CERTIFICATIONS & COMPLIANCE



APPLICATIONS

- Cove and ceiling perimeter lighting
- Architectural millwork and reveal details
- Retail display cases and shelving
- Under - cabinet task lighting
- Interior signage and backlit panels

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	1,000 lm	both	high
cct_k	2,400 K	db	high
cct_selectable	Single Color	db	low
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	0.42 A	pdf	high
dimmer_type	PWM	pdf	high
product_dimensions	5000 * 8mm	pdf	high
length	5 m	db	high
strip_width	8 mm	pdf	high
min_cut_length	50 mm	pdf	high
finish	White	db	high
material	PCB	db	high
mount_type	Wall/Pole Mount	db	high
ip_rating	IP20	db	high
environmental_rating	Non - Waterproof	db	high
ambient_temp_c	-20~45 °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.

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