



COB LED Strip Light, 528 LEDs/m, 24 V DC, 5 W/m, 6500 K, IP20, 5 m Reel

- 528 COB chips per meter for dotless, multi-shadow-free output
- 24 V DC operation at 5 W per meter, 0.21 A per meter draw
- CRI 90 at 6500 K with a 180-degree emitting angle
- 5 mm wide flexible PCB, cuttable anywhere along the 5 m reel
- IP20 non-waterproof rating for dry interior locations
- UL Listed file E346797, CE and RoHS compliant, 3-year warranty

OVERVIEW

A single-color COB LED strip built on a 5 mm wide flexible PCB with 528 chips per meter for a dotless, shadow-free line of light. The IP20, non-waterproof construction suits dry interior coves, millwork reveals, display cases and aluminum extrusion channels.

The strip operates on 24 V DC at 5 W per meter, drawing 0.21 A per meter, and delivers 6500 K light at CRI 90 with a 180-degree emitting angle and efficacy of 60 lm/W. It ships as a 5000 × 5 mm reel that can be cut anywhere along its length, and is rated for ambient temperatures from -20 to 45 degrees C and 40 to 70 percent RH. Rated LED life is 50,000 hours, and PWM dimming is supported.

UL Listed under file E346797, with CE and RoHS compliance and a 3-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	60 lm
Efficacy	60 lm/W
Color Temperature	6,500 K
Selectable CCT *	Single Color
CRI	90
Beam Angle	180°
LED Chip Type	COB
LED Density	528 LEDs/m
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Product Dimensions	5000 * 5 mm
Length	5 m 16.4 ft
Strip Width	5 mm 0.20 in
Minimum Cut Length *	FreeCut
Finish	White
Material	PCB

ELECTRICAL

Operating Voltage	24 V
Wattage	5 W
Current Draw	1.05 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

COMPLIANCE

UL File Number E346797

ORDERING

Warranty 3 y

DIMENSIONS & DIAGRAMS

Emitting Angle	180 °	Operating t
Luminous flux	50-60lm/w	Operating h
		Waterproof

DIMENSIONS

CERTIFICATIONS & COMPLIANCE

RoHS

RoHS Compliant

CE

CE

UL

UL Listed
E346797

APPLICATIONS

- Cove and ceiling perimeter lighting
- Millwork and cabinet reveals
- Retail display cases and shelving
- Aluminum channel accent runs
- Architectural signage backlighting

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	60 lm	pdf	high
efficacy_lm_per_w	60 lm/W	db	high
cct_k	6,500 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	528 LEDs/m	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
operating_voltage	24 V	pdf	high
wattage	5 W	pdf	high
current_draw	1.05 A	db	high
dimmer_type	PWM	pdf	medium
product_dimensions	5000 * 5 mm	pdf	high
length	5 m	db	high
strip_width	5 mm	pdf	high
min_cut_length	FreeCut	db	low
finish	White	db	high
material	PCB	db	high
ip_rating	IP20	both	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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