



COB LED Strip Light, 400 LEDs/m, 24 V DC, 6500 K, CRI 90, IP20, 5 m Reel

- 400 COB chips per meter for dotless, shadow-free output
- 3 mm wide PCB on a 5 m reel, cuttable every 20 mm
- 7 W/m at 24 V DC with 1.45 A draw per reel
- CRI 90 at 6500 K with a 180-degree emitting angle
- UL Listed file E346797, plus CE and RoHS compliance
- Rated 50,000 hours and -20 to 45 degrees C operation

OVERVIEW

The LUMIPRO COB strip light is a single-color linear LED strip built on a 3 mm wide PCB for tight-radius coverage in coves, display cases, millwork reveals and signage channels. The continuous COB emitter layout produces a dotless line of light, reducing multi-shadowing in grazing and close-viewing applications.

Each 5 m reel carries 400 chips per meter and draws 7 W/m at 24 V DC, with an efficacy of 100 lm/W, CRI 90 and a 180-degree beam angle. The strip is cuttable at 20 mm intervals, rated IP20 non-waterproof, and operates from -20 to 45 degrees C at 40 to 70 percent RH with a rated life of 50,000 hours.

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

SPECIFICATIONS

OPTICAL

Luminous Flux	100 lm
Efficacy	100 lm/W
Color Temperature	6,500 K
Selectable CCT *	Single Color
CRI	90
Beam Angle	180°
LED Chip Type	COB
LED Density	400 LEDs/m
LED Lifetime	50,000 h
Light Color	White

MECHANICAL

Product Dimensions	5000 * 3 mm
Length	5 m 16.4 ft
Strip Width	3 mm 0.12 in
Minimum Cut Length	20 mm 0.79 in
Finish	White
Material	PCB

ELECTRICAL

Operating Voltage	24 V
Wattage	7 W
Current Draw	1.45 A
Input Connection Type	2-pin wire

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	90-100lm/w	Operating t
		Waterproof

DIMENSIONS

CERTIFICATIONS & COMPLIANCE

RoHS

RoHS Compliant

CE

CE

UL

UL Listed
E346797

APPLICATIONS

- Cove and ceiling perimeter lighting
- Retail display cases and shelving
- Architectural millwork reveals
- Under-cabinet task lighting
- Signage and channel letter illumination

PROVENANCE — REVIEW COPY ONLY

slug	value	source	confidence
lumens	100 lm	pdf	high
efficacy_lm_per_w	100 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	400 LEDs/m	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
operating_voltage	24 V	pdf	high
wattage	7 W	pdf	high
current_draw	1.45 A	db	high
input_connection_type	2-pin wire	pdf	high
product_dimensions	5000 * 3 mm	pdf	high
length	5 m	db	high
strip_width	3 mm	pdf	high
min_cut_length	20 mm	db	high
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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