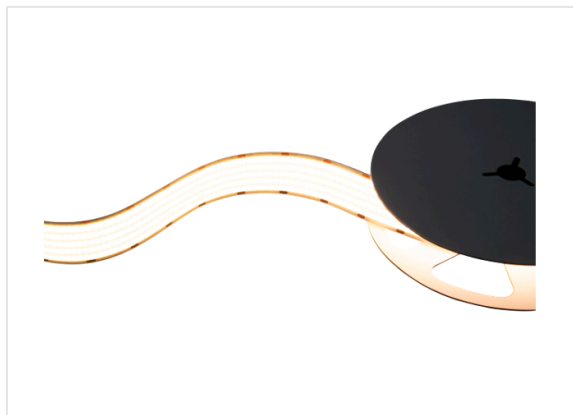




COB LED Strip Light, 1600 LEDs/m, 24 V DC, 40 W/m, 6500 K, CRI 90, IP20, 5 m Reel

- 1600 COB chips per meter in a five-row dotless layout
- 40 W per meter at 24 V DC, 8.3 A per 5 m reel
- CRI 90 output at 6500 K with a 180-degree emitting angle
- 30 mm wide PCB cuttable at 25 mm minimum increments
- Rated 50,000 hours with 100 lm/W efficacy
- UL listed under file E346797, CE and RoHS compliant

OVERVIEW

The LUMIPRO 1CH COB strip light is a single-color linear LED source built on a 30 mm wide PCB and supplied on 5 m reels. The dotless five-row COB layout produces a continuous line of light without multi-shadowing, making it suited to cove details, display cases and architectural coves in dry indoor locations.

Output is rated at 40 W per meter drawing 1.66 A/m at 24 V DC, with a 180-degree emitting angle, 6500 K color temperature and CRI 90. Efficacy reaches 100 lm/W and rated life is 50,000 hours. The strip is cuttable in 25 mm increments and carries an IP20, non-waterproof rating for operation from -20 to 45 degrees C at 40 to 70 percent RH.

Listed to UL under file number E346797 and compliant with CE and RoHS. Covered by a three-year limited 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	1,600 LEDs/m
LED Lifetime	50,000 h
Light Color	White

ELECTRICAL

Operating Voltage	24 V
Wattage	40 W
Current Draw	8.3 A

MECHANICAL

Product Dimensions	5000 * 30 mm
Length	5 m 16.4 ft
Strip Width	30 mm 1.18 in
Minimum Cut Length	25 mm 0.98 in
Finish	White

COMPLIANCE

UL File Number	E346797
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ENVIRONMENTAL

IP Rating	IP20
Environmental Rating	Non - Waterproof
Ambient Operating Temperature	-20-45 °C -4-113 °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 coffer lighting
- Retail display case illumination
- Architectural accent detailing
- Millwork and cabinet under -lighting
- Signage and lightbox backlighting

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	1,600 LEDs/m	db	high
led_lifetime_h	50,000 h	db	high
color	White	db	high
operating_voltage	24 V	pdf	high
wattage	40 W	pdf	high
current_draw	8.3 A	db	high
product_dimensions	5000 * 30 mm	pdf	high
length	5 m	db	high
strip_width	30 mm	pdf	high
min_cut_length	25 mm	db	high

slug	value	source	confidence
finish	White	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.

Specifications subject to change without notice.

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