



Tunable White COB LED Strip, 640 LEDs/m, 24 V DC, 14 W/m, CRI 90, IP67

- 640 COB chips per meter on a 10 mm white PCB for dotless output
- 14 W/m at 24 V DC with 0.58 A/m input current
- Tunable 2700 K to 6500 K bi-color output at CRI 90
- IP67 waterproof silicone-extruded construction
- 23.8 mm minimum cuttable length on 5 m reels
- UL listed under file E346797 with 3-year warranty

OVERVIEW

A waterproof COB flexible LED strip on a 10 mm PCB, supplied on 5 m reels for cove, perimeter and linear detail lighting in wet or washdown locations. The dotless COB construction produces a continuous emitting surface that avoids multi-shadow effects behind lenses and diffusers.

The strip operates on 24 V DC at 14 W/m and draws 0.58 A/m, with 640 chips per meter and a 180-degree emitting angle. Tunable color temperature spans 2700 K to 6500 K at CRI 90, with measured efficacy of 80 to 105 lm/W. Minimum cuttable length is 23.8 mm, and the assembly is rated IP67 for operation from -20 to +45 degrees C at 40 to 70 percent RH.

UL listed under file E346797 and covered by a 3-year warranty.

SPECIFICATIONS

OPTICAL

Luminous Flux	105 lm
Efficacy *	105 lm/W
Color Temperature	2,700K / 3,000K / 4,000K / 5,000K / 6,500K
Selectable CCT	Yes
CRI	90
Beam Angle	180°
LED Chip Type	COB
LED Density	640 LEDs/m

ELECTRICAL

Operating Voltage	24 V
Wattage	14 W
Current Draw	0.58 A
Dimmer Type	PWM

MECHANICAL

Product Dimensions	5000 * 10 mm
Length	5 m 16.4 ft
Strip Width	10 mm 0.39 in
Minimum Cut Length	23.8 mm 0.94 in
Finish	White

ORDERING

Warranty	3 y
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ENVIRONMENTAL

IP Rating	IP67
Environmental Rating	Waterproof
Ambient Operating Temperature	-20-45 °C -4-113 °F
Operating Humidity	40% - 70% RH

DIMENSIONS & DIAGRAMS

Emitting Angle	180°	Operatin temperature	-20 --+45°C
Luminous flux	80-105LM/W@IP20	Operatin humidity	40%-70%RH

DIMENSIONS

CERTIFICATIONS & COMPLIANCE



APPLICATIONS

- Cove and perimeter lighting
- Exterior architectural detail lighting
- Commercial kitchen and washdown areas
- Illuminated signage and channel letters
- Millwork and display case lighting

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slug	value	source	confidence
lumens	105 lm	pdf	high
efficacy_lm_per_w	105 lm/W	pdf	low
cct_k	2,700K / 3,000K / 4,000K / 5,000K / 6,500K	both	high
cct_selectable	Yes	db	high
cri	90	pdf	high
beam_angle_deg	180°	pdf	high
led_chip_type	COB	pdf	high
led_density	640 LEDs/m	db	high
operating_voltage	24 V	pdf	high
wattage	14 W	pdf	high
current_draw	0.58 A	pdf	high
dimmer_type	PWM	pdf	high
product_dimensions	5000 * 10 mm	pdf	high
length	5 m	pdf	high
strip_width	10 mm	pdf	high
min_cut_length	23.8 mm	pdf	high
finish	White	db	high
ip_rating	IP67	db	high

slug	value	source	confidence
environmental_rating	Waterproof	db	high
ambient_temp_c	-20–45 °C	pdf	high
operating_humidity	40% - 70% RH	pdf	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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