

3000K variant shown. Colour of light varies by model.

10 W/m
Power · 24 V DC

≥ 90
Colour rendering (CRI)

20.8 mm
Cut increment · 8 chips

384 / m
COB chip density

IP20 · 65 · 67
Dry, damp or outdoor

2700–6500K
Five colour temperatures

PRODUCT OVERVIEW

8 mm COB LED strip · 24 V

Dot-free continuous line of light on a flexible FPC, for coves, shelves, joinery and architectural accents. 5 m reels in five colour temperatures, rated IP20, IP65 or IP67.

FEATURES

- COB chips on a flexible FPC give an even, dot-free line of light.
- Milky bounding-wall design for more uniform light output.
- Thick copper keeps voltage and brightness consistent along the full 5 m reel.
- Ultra-thin, flexible and bending-resistant protective structure.
- High colour rendering, CRI ≥ 90, for accurate and vivid colour.
- Efficacy from 102 lm/W (2700K) up to 123 lm/W (6500K).
- Cut every 20.8 mm (8 chips) for custom lengths.
- IP20 for dry interiors; IP65 and IP67 versions for damp or outdoor locations.
- Long life: ≥ 50,000 hours, with a 5-year warranty.
- Compatible with a wide range of 24 V dimming controllers.
- Safe extra-low voltage, 24 V DC; wide 150° beam angle.
- Rated for −20 °C to +45 °C ambient.

APPLICATIONS

- Under-cabinet and shelf lighting
- Cove and indirect ceiling lighting
- Stair and corridor lighting
- Display and showcase illumination
- Decorative architectural accents
- Damp or outdoor areas (IP65 / IP67 versions)

SUPPLIED AS

Brightness	1,020–1,230 lm/m by model
Power	10 W/m · 50 W per 5 m reel
Reel	5 m · IP20, IP65 or IP67
Lead wire	0.2 m 20 AWG, red / white, one end
Backing	3M 300LSE adhesive tape
Warranty	5 years

Specifications

MODELS · 24 V DC · 10 W/M · CRI ≥ 90

Part No.	CCT	Brightness	Efficacy	L × W × H (mm)	IP	Supply
CB-PRO-24V-5M-8MM-27K	2700K	1,020 lm/m	102 lm/W	5000 × 8 × 2.3	IP20	Standard
CB-PRO-24V-5M-8MM-30K	3000K	1,070 lm/m	107 lm/W	5000 × 8 × 2.3	IP20	Standard
CB-PRO-24V-5M-8MM-40K	4000K	1,190 lm/m	119 lm/W	5000 × 8 × 2.3	IP20	Standard
CB-PRO-24V-5M-8MM-50K	5000K	1,200 lm/m	120 lm/W	5000 × 8 × 2.3	IP20	Made to order
CB-PRO-24V-5M-8MM-65K	6500K	1,230 lm/m	123 lm/W	5000 × 8 × 2.3	IP20	Standard
CB-PRO-24V-5M-8MM-XXK-IP65	2700–6500K	On request	—	On request	IP65	Made to order
CB-PRO-24V-5M-8MM-30K-IP67	3000K	1,020 lm/m	102 lm/W	5000 × 10 × 4	IP67	Standard
CB-PRO-24V-5M-8MM-65K-IP67	6500K	1,170 lm/m	117 lm/W	5000 × 10 × 4	IP67	Standard
CB-PRO-24V-5M-8MM-XXK-IP67	2700 · 4000 · 5000K	On request	—	5000 × 10 × 4	IP67	Made to order

Efficacy is brightness divided by rated power. XX in a part number is the colour temperature code: 27, 30, 40, 50 or 65. Made-to-order versions need minimum order quantity and lead time confirmed with the order.

IP RATINGS

Rating	Protection	Typical use	Fixing
IP20	Not protected against water.	Dry interiors: coves, joinery, shelves, inside profiles.	3M adhesive tape
IP65	Dust-tight; protected against water jets.	Damp interiors and sheltered outdoor locations.	Mounting clips or profile
IP67	Dust-tight; temporary immersion to 1 m. Sealed 10 × 4 mm jacket.	Outdoor, wet areas and wash-down zones.	Mounting clips

ELECTRICAL & OPTICAL

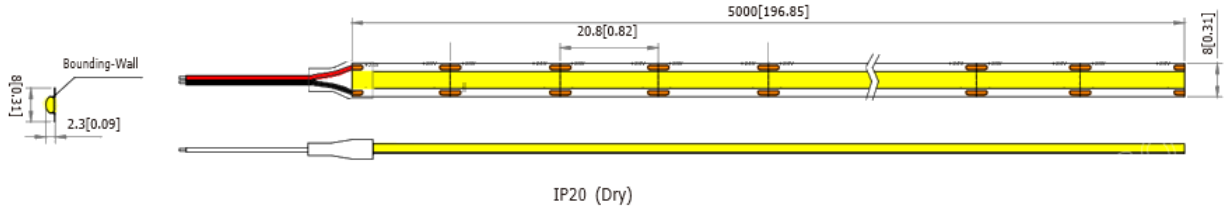
Input voltage	24 V DC, constant voltage
Power	10 W/m · 50 W per 5 m reel
Colour rendering	CRI ≥ 90
Beam angle	150°
Maximum run	5 m, single-end feed
Dimming	PWM / constant-voltage 24 V dimmers
Rated life	≥ 50,000 hours
Operating temperature	−20 °C to +45 °C

MECHANICAL & SUPPLY

Chip type	COB, on flexible FPC
Chip density	384 chips / m
Cut increment	20.8 mm (8 chips)
Strip width	8 mm IP20 · 10 mm IP67 · IP65 on request
Reel length	5 m
Lead wire	0.2 m 20 AWG, red / white, one end
Adhesive	3M 300LSE tape
Packaging	Paper reel in ESD bag
Warranty	5 years

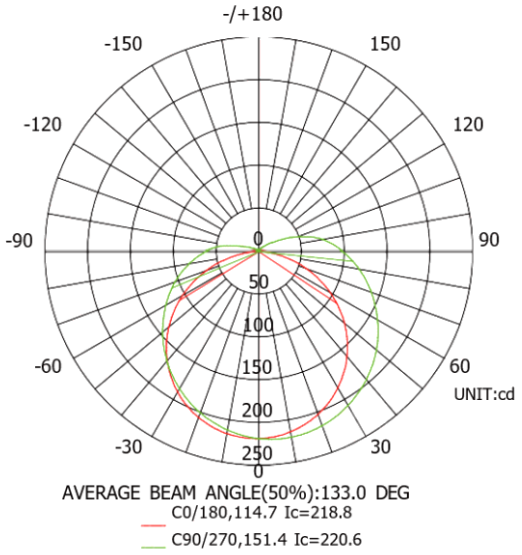
Dimensions & photometry

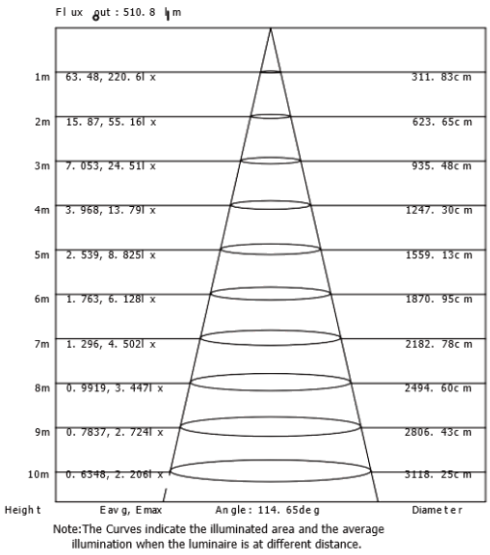
DIMENSIONS · MM [INCH] · IP20



Cut only at the marked copper pads. Lead wire and tape details apply to the IP20 versions; confirm IP65 and IP67 sizes and terminations with the order.

LIGHT DISTRIBUTION · 1 M SAMPLE · IP20

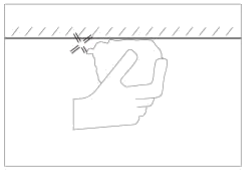




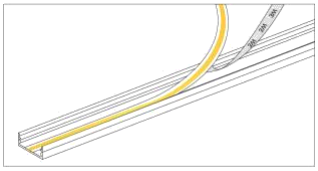
Polar intensity (cd) and average illuminance at 1–10 m from the supplied test report. Measured average beam angle at 50% intensity: 133°. Values are typical and vary by colour temperature and IP rating.

Installation

INSTALLATION

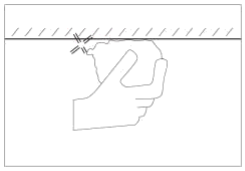


1. Clean application space.

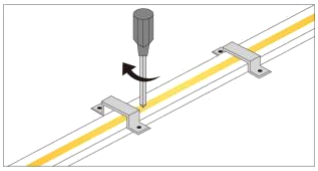


2. Peel off paper of 3M tape from solder side and then stick on application.

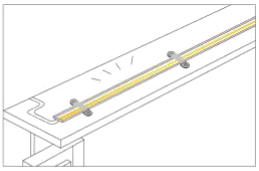
IP20/IP55/IP66



1. Clean application space.



2. Fix LED strip with clip.



3. Electrify.

IP65/IP67

INSTALLATION NOTES

IP20	Clean and dry the surface, peel the 3M liner and press the strip on. An aluminium profile improves heat-sinking and finish.
IP65 · IP67	Fix with mounting clips; do not rely on adhesive outdoors. Seal every cut end and joint.

POWER & HANDLING

Power	Use a 24 V DC SELV driver with about 20% headroom: 60 W or more per 5 m reel. Feed runs over 5 m in parallel, not in series.
Handling	Do not fold or sharply bend the strip, and do not press on the COB surface.

DOCUMENT REVISION

Revision	Description	Date
1.0	Initial release	4 September 2025
1.1	Illuminate with ADM layout; chip density, construction, lead wire, adhesive, packaging and warranty added; 5000K and IP65 made-to-order versions and IP rating guide added; cut increment and efficacy corrected	7 October 2026