



COB LED STRIP

CB-PRO-24V-5M-10MM

Feature

- Soft, dot-free light
- Adjustable colour (warm to cool white)
- Flexible and bendable
- Slim design
- Long lifespan
- Safe low-voltage (24V)
- Indoor & outdoor options
- Even brightness throughout

Applications

- Under cabinets in kitchens or workspaces for better lighting.
- Accent lighting in living rooms, hallways, or bedrooms.
- Behind TVs or furniture for a modern look.
- Inside closets or drawers for better visibility.
- Retail displays to highlight products.
- Stairs and walkways for safety and style.
- Outdoor setups (if water-resistant version is used), like patios or garden features.
- Hotels, restaurants, or office lobbies for elegant ambient lighting.



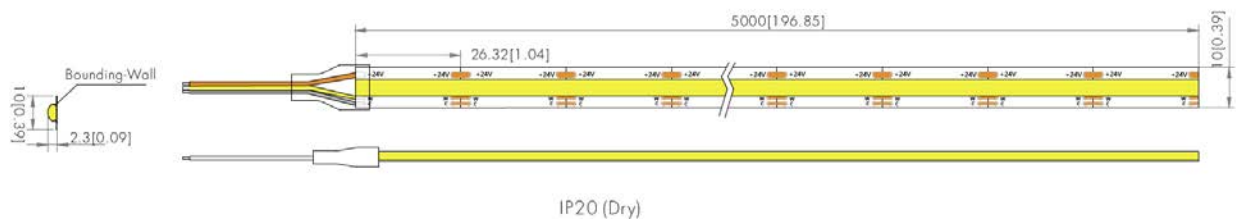
Specification

Part No.	Dimension	Colour	Style	Voltage	Power	Brightness	CRI	Increment	Max Run	IP Rating	Beam Angle
CB-PRO-24V-5M-10MM-CCT	L5,000 x W10 x H2.3mm	CCT	COB	24Vdc	14 W/M	1,260 lm/m	≥90	26.3 mm	5m	IP20	150°
CB-PRO-24V-5M-10MM-CCT-IP65	L5,000 x W10 x H4mm	CCT	COB	24Vdc	14 W/M	1,197 lm/m	≥90	26.3 mm	5m	IP65	150°
CB-PRO-24V-5M-10MM-CCT-IP67	L5,000 x W12 x H5.5mm	CCT	COB	24Vdc	14 W/M	1,197 lm/m	≥90	26.3 mm	5m	IP67	150°

Structure



Unit: mm[in.]



IP20 (Dry)



Parameter

General Parameters		Photoelectric Parameters	
Standard Length	5M [16.4ft.] (power fed on one side)	Power \pm 10%	14W/M [4.3W/ft.] (7W/color)
Min. Unit & Chip QTY	26.3mm [1.04in.] & 16 chips	Input Voltage	24VDC
Light Source	COB (Chip On Board)	Chip Current	8mA/chip
Chip QTY	608chips/M [185chips/ft.]	CCT & Wavelength	2700~6500K CCT-tunable
PCB Type	White FPC, OSP	SDCM	ANSI Norm, 4 step in 1 bin
Operating Ambient	Ta: -20~45°C [-4~113°F], Tstg: -20~60°C [-4~140°F]	CRI	Ra \geq 90
Warranty	5 years	Beam Angle	150°
Lifespan	50kh(L70@Tc \leq 65°C [149°F], Tc is temperature of chip pin)	Dimming Method	PWM (dimnable driver like RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, WIFI etc.)
Certification	CE, CB, SAA, UL, RoHS		

Note:

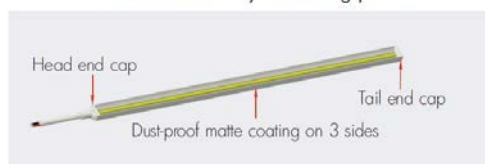
1. The luminous flux is based on length of 1M, it may be re-measure for other lengths.
2. Dimension and optical parameters such as luminous flux, CCT, CRI and SDCM of the waterproof product may vary compared with the IP20 version.
3. The transmittance of IP65/IP67 Plus for 2700K/3000K/4000K/5000K/6500K/red/green/blue are 95%, compared with the IP20.
4. Applying with extra heat sink is not necessary with self-cooling capacity.
5. It is available for forward or backward top bend, with a minimum bending radius of 20mm.
6. 3M 300LSE yellow adhesive tape attached on the backside, is standard configuration.
7. 200mm of brown (+)/yellow (ww-)/white (cw-) AWG22 UL1007 PVC cable, or corresponding waterproof connector kit, is standard configuration.
8. Transparent reel and silvery ESD bag, are standard configuration.
9. Installation and assembly accessories such as clips, screws, connectors, cables, etc, are optional according to the specific demand.
10. Power maintenance rate=actual measured power in a certain length/(a same certain length*actual measured power in 1M length); Brightness maintenance rate=actual measured brightness on the tail section in a certain length/actual measured brightness on the first section in a same certain length.



IP67 Rated Strip



Terminal is sealed by die-casting process

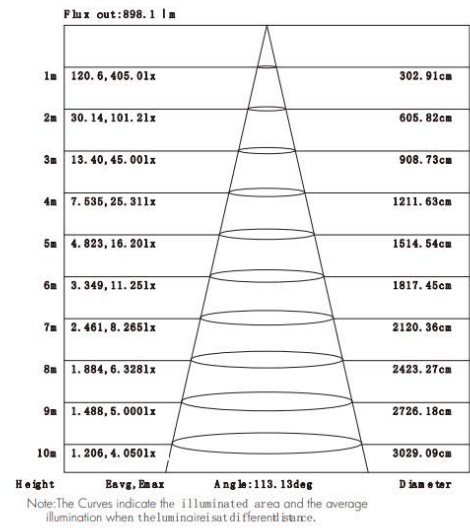
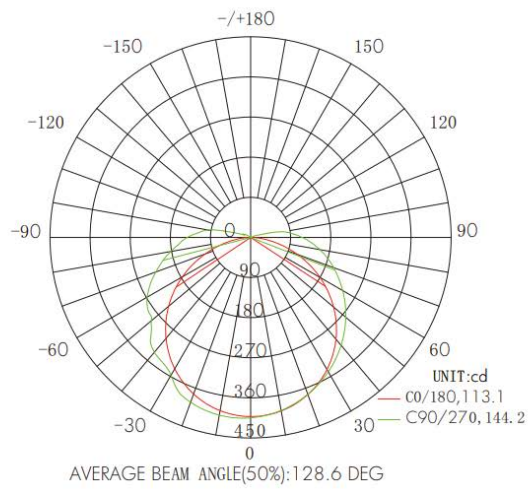


Terminal is sealed by gluing process with end cap





Light Distribution



2700+6500K, IP20(Dry)

Document Revision

Revision	Description	Date	Author	Approver
1.0	Initial release	25 August 2025	Jesse Jankelowitz	Michael Xu