



LIGHT STRIP

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

Feature

- Highly reliable, ultra-thin, and flexible design.
- Very high brightness (up to 3072 lm/m) with excellent energy efficiency (160 lm/W).
- Special wall structure ensures uniform light distribution.
- Uses thick copper for consistent voltage and brightness across the reel.
- Long lifespan (50,000 hours) and comes with a 5-year warranty.



Applications

- Suitable for indirect lighting in areas such as contours, corridors, stairs, coves, handrails, skirting, and barriers.



Specification

Part No.	Dimension	Colour	Style	Voltage	Power	Brightness	CRI	Increment	Max Run	IP Rating	Beam Angle
CB-HEC-24V-5M-10MM-30k	5000*10*2.9mm	3000K	COB	24Vdc	19.2W/m	2381lm/m	Ra≥90	27.7mm	5m	IP20	120°
CB-HEC-24V-5M-10MM-40k	5000*10*2.9mm	4000K	COB	24Vdc	19.2W/m	2496lm/m	Ra≥90	27.7mm	5m	IP20	120°

Parameter

General Parameters		Photoelectric Parameters	
Standard Length	5M [16.4ft.] (power fed on one side)	Power±10%	19.2W/M [5.85W/ft.]
Min. Unit & LED QTY	27.7mm [1.1in.] & 8 LEDs	Input Voltage	24VDC
Light Source	SMD2835	LED Current	23mA/LED
LED QTY	288LEDs/M [88LEDs/ft.]	CCT & Wavelength	2700K&3000K&4000K&5000K&6500K
PCB Type	White FPC, OSP	SDCM	ANSI Norm, 5 step in 1 bin
Operating Ambient	Ta: -20~45°C [-4~113°F], Tstog: -20~60°C [-4~140°F]	CRI	Ra≥90
Warranty	5 years	Beam Angle	120°
Lifespan	50kh (L70@Tc≤65°C [149°F], Tc is temperature of LED pin)	Dimming Method	PWM (dimnable driver like RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, WIFI etc.)
Certification	CE, CB, SAA, UL, RoHS		



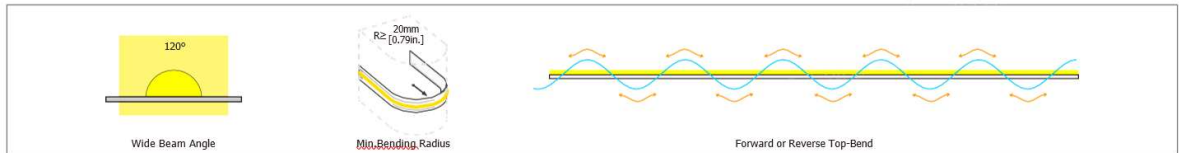
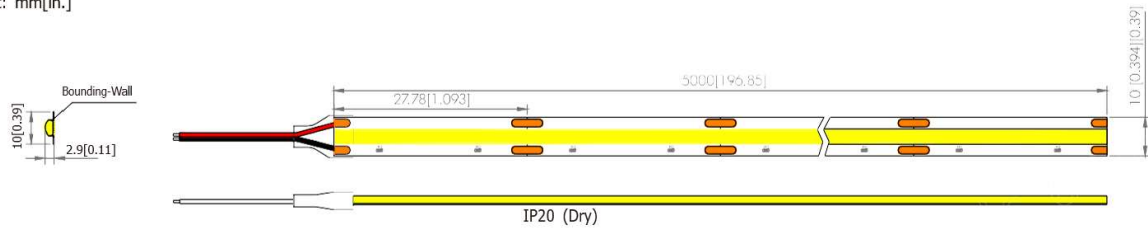
Note:

1. The luminous flux is based on a length of 1M[3.28ft.], it may be re-measure for other lengths.
2. The energy efficiency class of regulation (EU)2019/2020 is E/D(CRI90) for 2700K/3000K/4000K/5000K/6500K in IP20, it varies depending on CRI, CCT and IP rating.
3. Dimension and optical parameters such as luminous flux, CCT, CRI and SDCM of the waterproof product may vary compared with the IP20 version.
4. The transmittance of IP65/IP67 Plus for 2700K/3000K/4000K/5000K/6500K/red/green/blue are 95%, compared with the IP20.
5. Applying with extra heat sink is not necessary with self-cooling capacity.
6. It is available for forward or backward top bend, with a minimum bending radius of 20mm[0.8in.].
7. 3M 300LSE yellow adhesive tape attached on the backside, is standard configuration.
8. 200mm[7.9in.] of red (+)/black (-)AWG20 UL2468 PVC cable, or corresponding waterproof connector kit, is standard configuration.
9. Transparent reel and silvery ESD bag, are standard configuration.
10. Installation and assembly accessories such as clips, screws, connectors, cables, etc., are optional according to the specific demand.
11. Power maintenance rate=actual measured power in a certain length/ (a same certain length*actual measured power in 1M[3.28ft.] 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. (Generally, there are few cases of full power operation for mixed colour like RGB/RGBW/RGBWCT/RGBWCCT.)

Dimensions Diagram

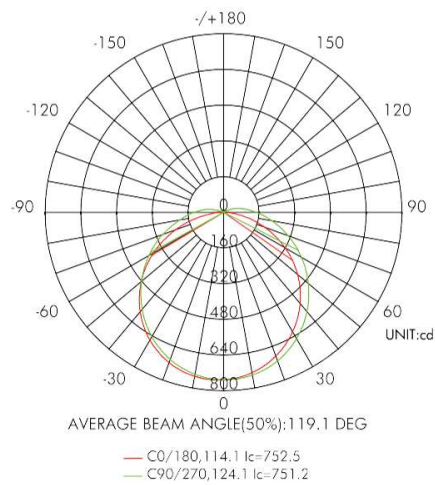


Unit: mm[in.]

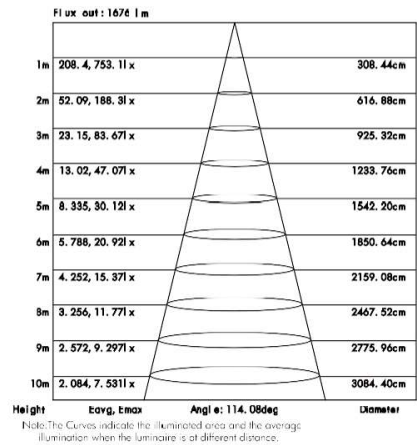




Spectroscopic Data



4000K, IP20



Document Revision

Revision	Description	Date	Author	Approver
1.0	Initial release	22 August 2025	Jesse Jankelowitz	Michael Xu