

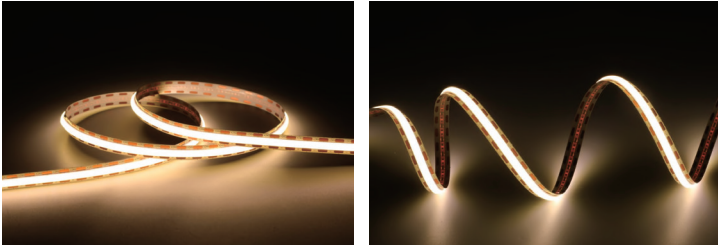
Archilight Pure Lume Pro COB LED Strip

8mm width | 90-100lm/W | 12W | 480LED/m | Cuttable length 8.33mm



Features

- High positioning with high reliability, ultra-thin profile, and excellent flexibility for bending applications.
- Homogeneous and soft linear lighting performance over a continuous length of 5 m [16.4 ft.].
- Premium milky bounding wall structure design to enhance light uniformity.
- Thick copper PCB design, superior to typical market solutions, ensuring consistent voltage and brightness across the entire reel.
- Exclusively designed protective structure providing excellent bending resistance, high reliability, and stable performance.
- IP20 rating suitable for indoor applications.
- Rated lifetime of 50,000 hours with a 5-year warranty.



Application

- Ideal for indirect lighting applied at contour, corridor, stair, cove, handrail, skirting, barrier, etc.



Specification

Product No.	Dimension (L*W*H)	IP Rating	CCT & Wavelength	Luminous Flux±10%	Light Efficiency
8MM-COB-4802400GLE-WW	5000*8*2.7mm [197*0.31*0.11in.]	IP20	3000K	1020lm/M[311lm/ft.]	85lm/W
8MM-COB-4802400GLE-NW			4000K	1200lm/M[366lm/ft.]	100lm/W
8MM-COB-4802400GLE-CW			6500K	1200lm/M[366lm/ft.]	100lm/W

General Parameters		Photoelectric Parameters	
Standard Length	5M [16.4ft.] (power fed on one side)	Power±10%	12W/M [3.7W/ft.]
Min. Unit & Chip QTY	8.33mm [0.33in.] & 4 chips	Input Voltage	24VDC
Light Source	COB (Chip On Board)	Chip Current	4mA/chip
Chip QTY	480chips/M [146chips/ft.]	CCT & Wavelength	3000K&4000K&6500K
PCB Type	White FPC, OSP	SDCM	ANSI Norm, 3 step in 1 bin
Operating Ambient	Ta: -20~45℃ [-4~113°F], Tstog: -20~60℃ [-4~140°F]	CRI	Ra≥90
Warranty	5 years	Beam Angle	150°
Lifespan	50kh (L70@Tc≤65℃ [149°F], Tc is temperature of chip pin)	Dimming Method	PWM (dimmable driver like RF, Bluetooth, 0/1-10V, Triac, DALI, DMX, WIFI etc.)
Certification	CE, CB, SAA, UL, RoHS		

Note:

1. Luminous flux is specified based on a length of 1 m [3.28 ft.] and may be re-measured for other lengths.

2. According to Regulation (EU) 2019/2020, the energy efficiency class is F (CRI90) for 3000K / 4000K / 6500K in IP20.

3. Dimensions and optical parameters, including luminous flux, correlated color temperature (CCT), color rendering index (CRI), and SDCM, may vary depending on product configuration.

4. No additional heat sink is required due to the self-cooling design.

5. The product supports forward or backward top bending, with a minimum bending radius of 20 mm [0.8 in.].

6. 3M™ 300LSE yellow adhesive tape on the backside is provided as standard.

7. A 200 mm [7.9 in.] red (+) / black (-) AWG20 UL2468 PVC cable is supplied as standard.

8. Transparent reel and silvery ESD bag are supplied as standard packaging.

9. Installation and assembly accessories, including clips, screws, connectors, and cables, are optional and available upon request.

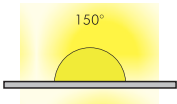
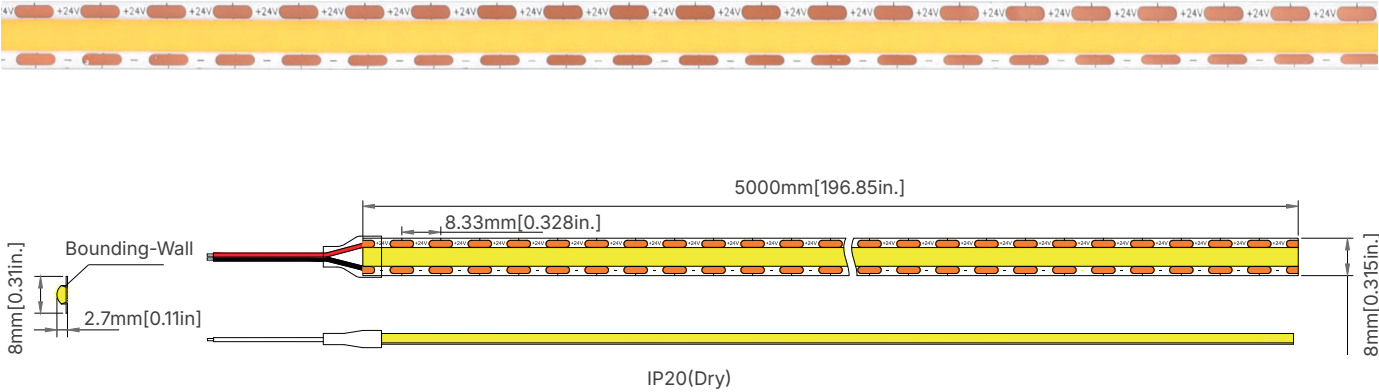
10. Power maintenance rate = actual measured power over a certain length ÷ (the same length × actual measured power per 1 m [3.28 ft.]). Brightness maintenance rate = actual measured brightness at the tail section ÷ actual measured brightness at the first section of the same length. (Full-power operation is generally uncommon for mixed-color products such as RGB, RGBW, RGBCCT, and RGBWCCT.)

POWER & BRIGHTNESS vs. LENGTH CHARACTERISTIC (POWER FED ON ONE SIDE)					
Length Of Single Product	1M [3.28ft.]	2M [6.56ft.]	3M [9.84ft.]	4M [13.1ft.]	5M [16.4ft.]
Actual Measured Power	12.6W	24.4W	35.5W	44.2W	50.7W
Power Maintenance Rate	100%	97%	94%	87.6%	80.5%
Brightness Maintenance Rate	99.9%	99.3%	95.5%	90%	86.7%

11.Some parameters and configurations are customizable, do not hesitate to contact us for a more detailed discussion.

Dimension Drawing

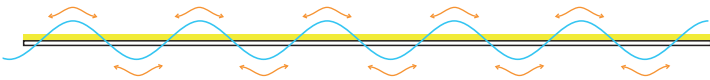
Unit:mm/inch



Wide Beam Angle



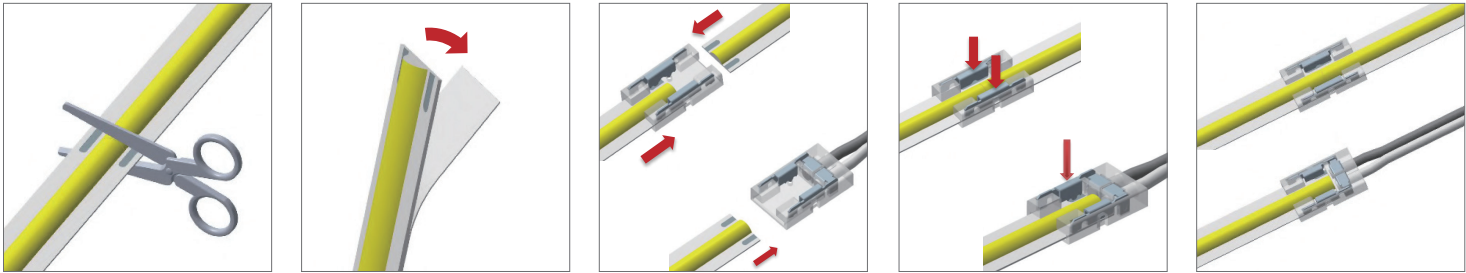
Min.Bending Radius



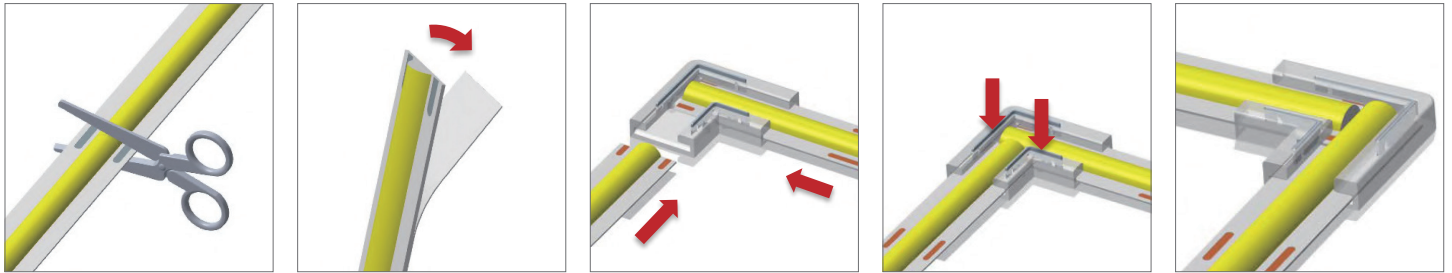
Connection (IP20)

Product No.	Welding-Free Quick-Connection Accessory
8MM-COBGLE-SS	Strip to Strip connector
8MM-COBGLE-PF2P	Strip to Wire Connector with 150mm tail
8MM-COBGLE-SSW	Strip to Strip Connector with 150mm wires in between

Straight Splicing



Corner Splicing



Packing Information



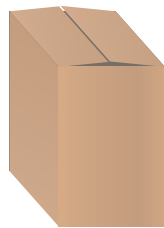
Roll the strip to the Reelt



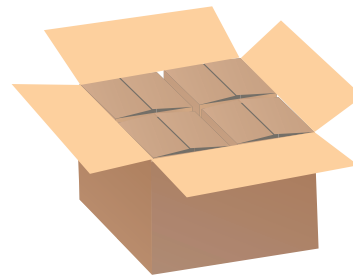
Put into the ESD Bag



Put desiccant and accessories into the ESD bag



Put into the inner carton



Put into the outer carton

Notice

1. Adopt a suitable power supply with power that is 20% higher than the max. power of the product, to ensure the long-time performance of the power supply.
2. Do not install it when the power is on. Before powering on, make sure the wiring is correct.
3. Avoid privately changing or damaging the circuit or other components of the product.
4. Avoid scrapes, twists, and irregular bends during installation, which might cause non-repairable status.
5. Linkable connection over a long length for the product will lead to a problem of overload or uneven brightness.
6. To protect your eyes, do not stare at the product for a long time when illumination.
7. Only professional personnel can install, dismantle and repair.