



## 320 LEDs/m COB LED Strip



### Product Description

What is a COB LED Strip Light ? Compared to the SMD 2835: 1 chip on board, or 5050: 3 chips on board, a COB(Chip On Board) LED light has multiple chips on the same PCB (Printed Circuit Board),which make the emitting units unprecedentedly close to each other, and create super even lighting performance



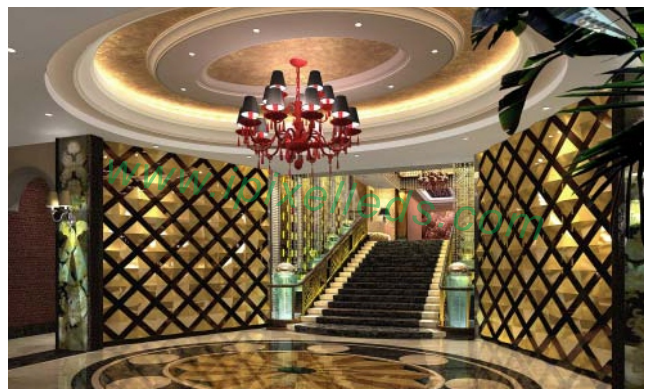
The Highlights of COB: Lower power, higher light efficiency (110LM/W),higher CRI(85+). 180 degrees beam angle design for 50% wider lighting,multiple chips on board for uniform illumination,NO MORE worries about dark spot!



## Product Datasheet

Product Number	S008320ZC1LZ
SMD Type	COB
Beam Angle	180°
LED Quantity	320 leds/m
CRI	≥90RA
CCT	3000±150K 6500±300K
Lumens/m	1100Lm
PCB color	White
Operating Voltage	DC24V
Power (W)	10W/M
Size (mm)	L 5000* W 8
IP	IP 20/IP 65
Net Weight	0.13kg/roll
Operation Temperature	- 25 ~ 45 °C

## Application



DIY and DIMMABLE: With stronger 3M adhesive, our COB LED strip lights can be reliably installed, idea for kitchen, cabinet, bedroom, stair, mirror, corridor, DIY backlight, table lamp, toy light, mirrors, walls, cabinets and other places that need decoration

Hotels ,restaurants, nights clubs, edge light

Living rooms, coffee / wine bars, back lighting

Recreational machines, playstation

TV, dancefloor background, shopping malls,



## Strip IP Rate

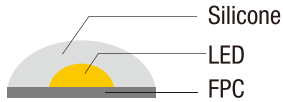
Gel coating



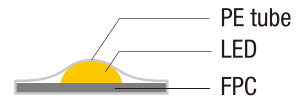
Heat shrinkable tube



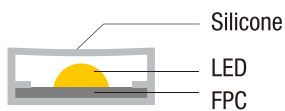
IP64  
Silicone tube



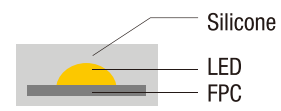
IP64  
Extrusion filling



IP65



IP66



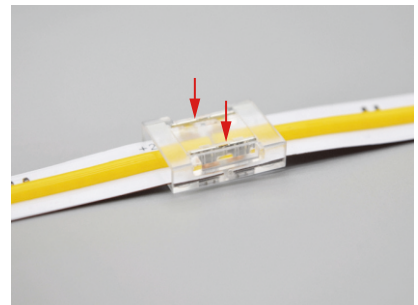
## Product connections



Insert each ends of led strips into the end of the connection terminal respectively, make sure the metal clip is on the same side as the metal solder pad of led strip.



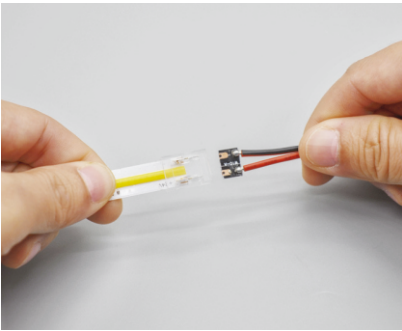
After complete the insert, also make sure both ends of led strip are tightly connected



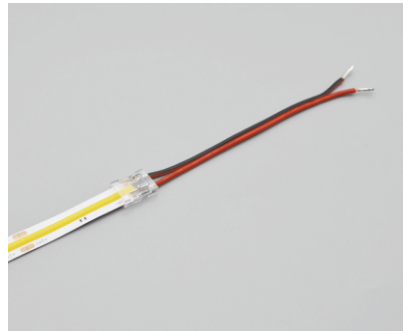
Press the metal clip down with the appropriate force using pliers to ensure that the metal clip is inserted into the appropriate position ,and connection completed.



## Wiring connections

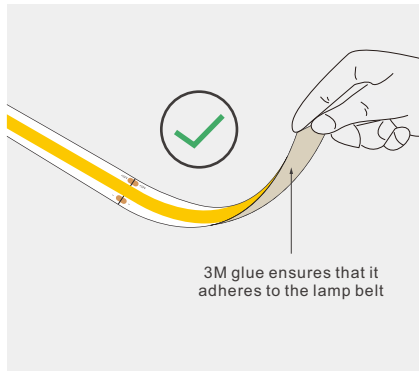
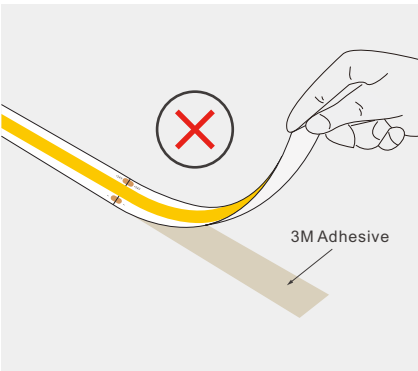


Insert one end of led strip and wire connector into both ends of the connection terminal respectively to ensure that the metal clip is on the same side as the metal solder pad of led strip



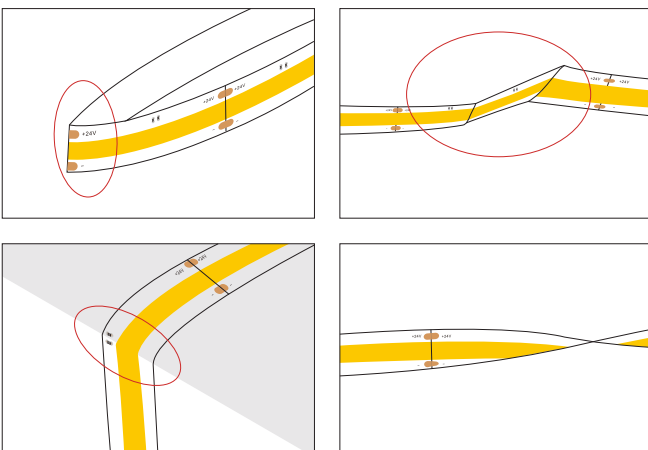
Meanwhile make sure both ends are closely connected, Press the metal clip down with the appropriate force using pliers to ensure that the metal clip is inserted into the appropriate position ,and connection completed.

## Matters needing attention

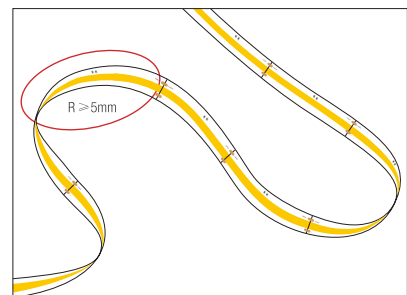


If you need to tear up the LED tape again, 3M glue ensures that it adheres to the lamp belt, otherwise it will Damage LED tape

When install the led strip,please note the installation technique.The led strip can be bent, but not distorted,as shown below.



Distortion(Wrong)



Bend(Right)

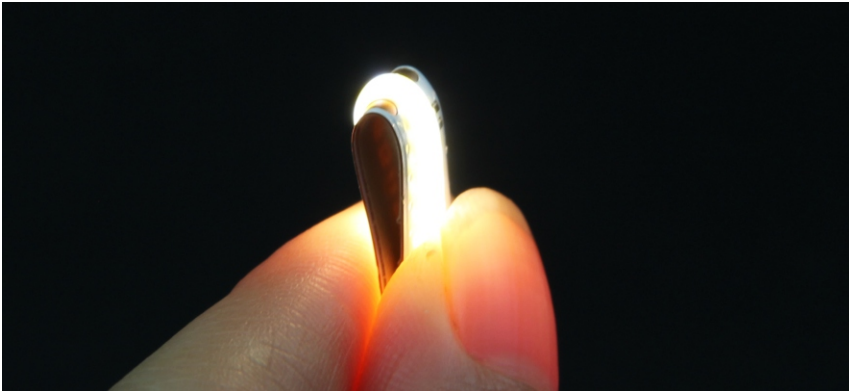
➤ LED strips are low voltage products,you must use the power supply(transformer).Please don,t connect the led strip directly to the AC 110v or AC 220v,otherwise it will burn out the LED strips.

➤ Clean up the installation surface,it will ensure the reliability of the adhesive,The electrical connection process must be operated by a professional person.





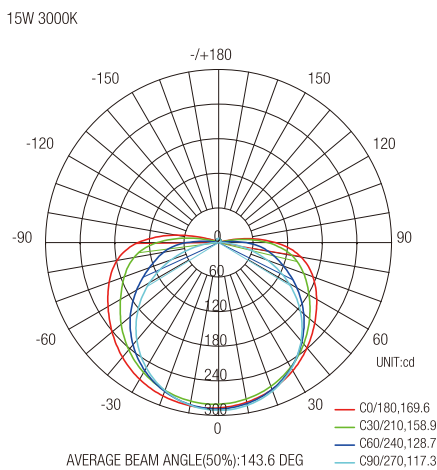
COB led strip can be folded in 180 degrees without damaging the light strip. It is very flexible to use.



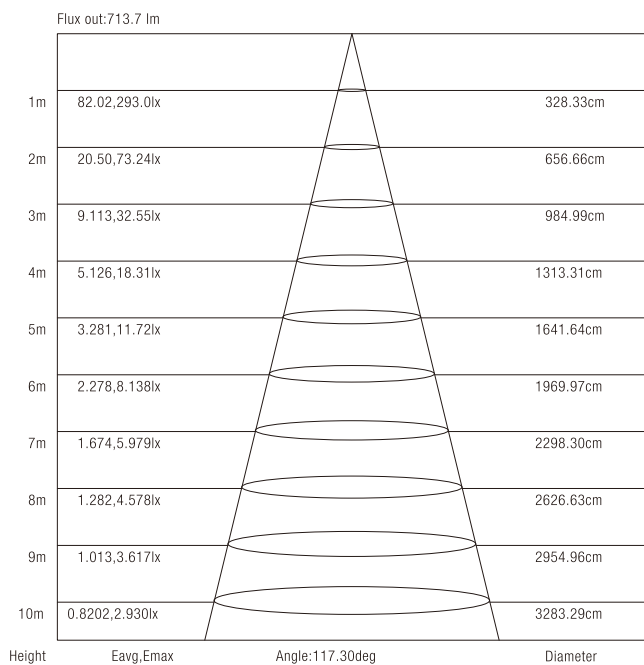
It has better tenacity. can be arbitrary bend



## Light Distribution Curve



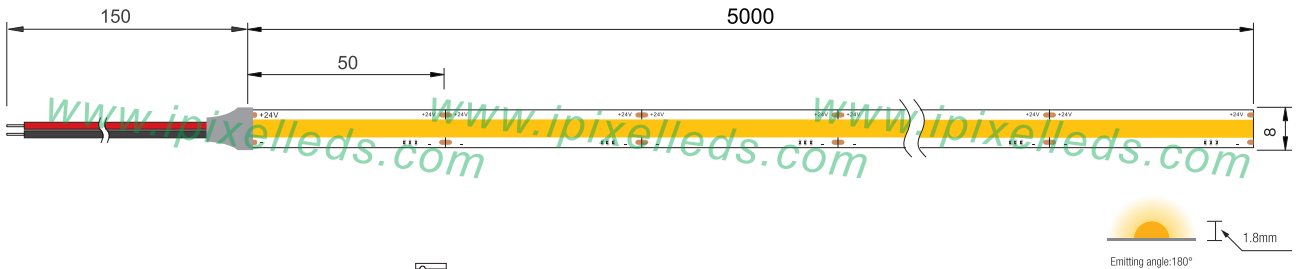
## Lux-Distance Curve



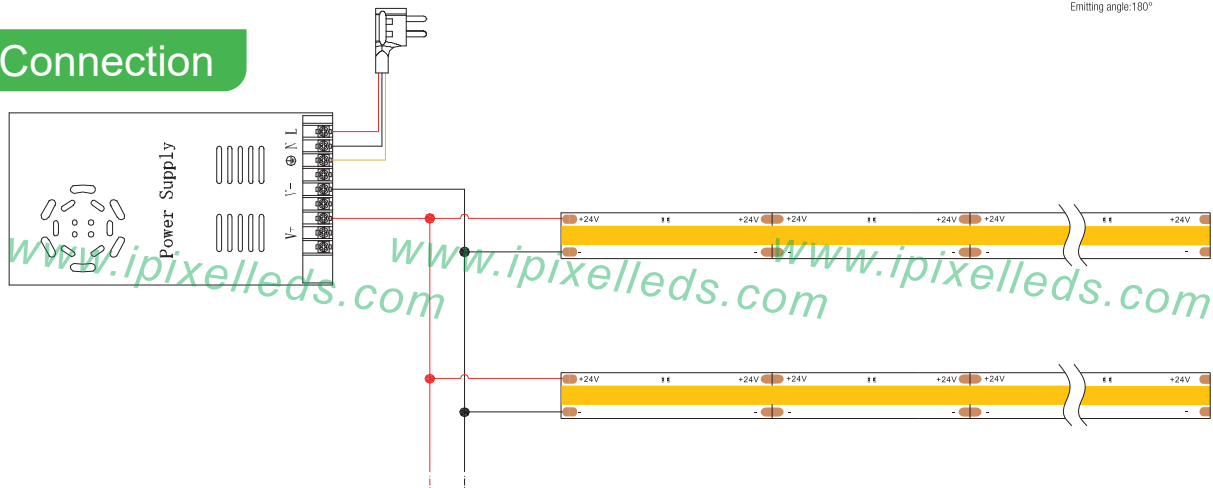
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



## Outline Dimension (unit:mm)



## Connection



### NOTES

1. Please apply different IP rate products according to different environment conditions;
2. Only install with Class 2 power unit
3. Do not install it when power is on. Before powering on, please make sure the wiring is correct;
4. Avoiding damaging the circuit or other component on the strip;
5. Avoid dragging, do not over bending during installation;
6. In order to get the best lighting effect, please do not connect overlong;
7. Please do not stare at the light for long time when it is working to protect your eyes;
8. Installation required by a qualified electrician
9. Supply cable – R/C (AVLV2/8), external use style, rated minimum 300 V, 80 °C, minimum 22 AWG

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