320 LEDs/m COB LED Strip

CE ROHS

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 ℃

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

Recreational machines, playstation

Living rooms, coffee / wine bars, back lighting

TV, dancefloor background, shopping malls,

Strip IP Rate

Gel coating

Heat shrinkable tube

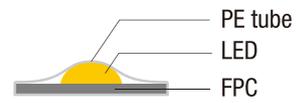IP64 | Silicone / LED / FPC
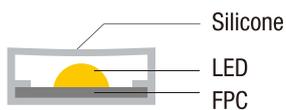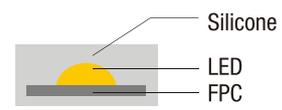
IP64 | PE tube / LED / FPC

Silicone tube

Extrusion filling

IP65 | Silicone / LED / FPC
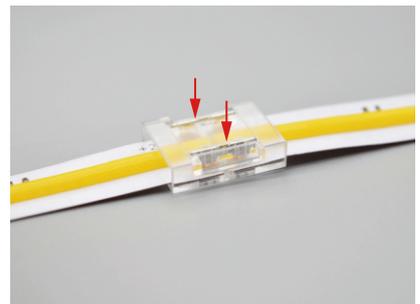
IP66 | Silicone / LED / FPC
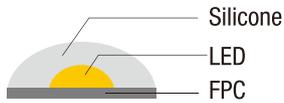
Product connections

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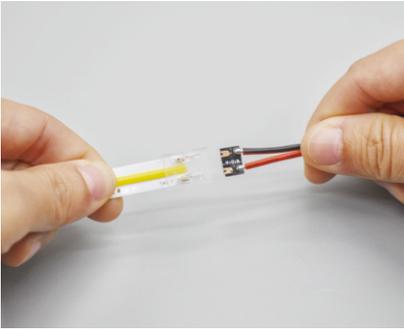
After complete the insert, also make sure both ends of led strip are tightly connected

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

3M Adhesive

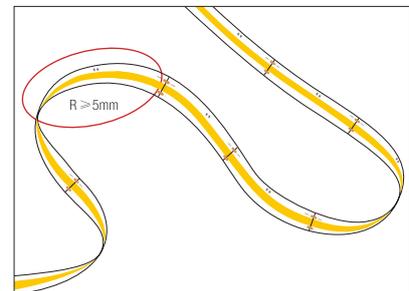3M glue ensures that it adheres to the lamp belt
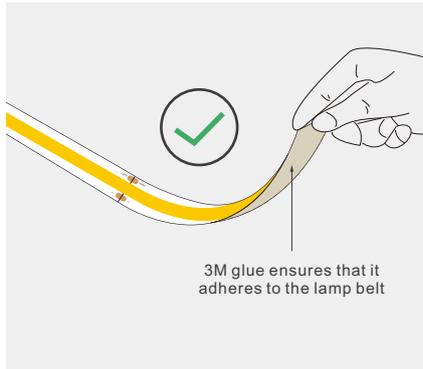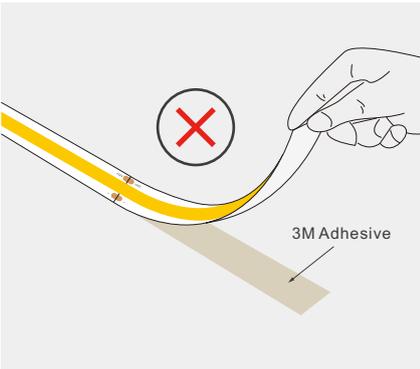
If you need to tear up the LED tape again, 3M glue ensures that it adheres to the lamp belt, otherwise it will Damage LED tape

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

+24V

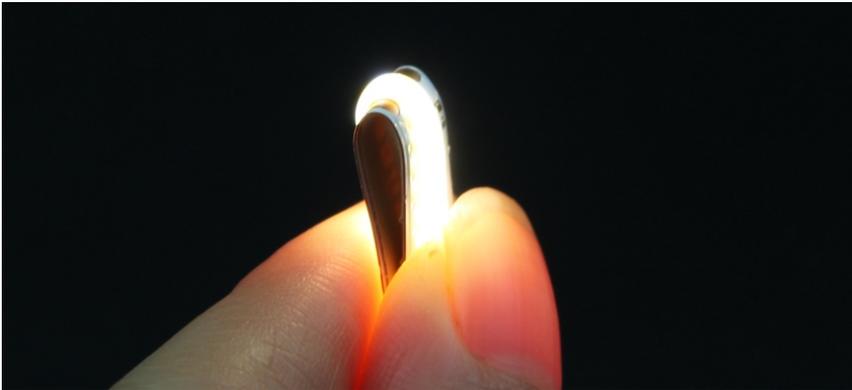

Distortion(Wrong)

R ≥ 5mm
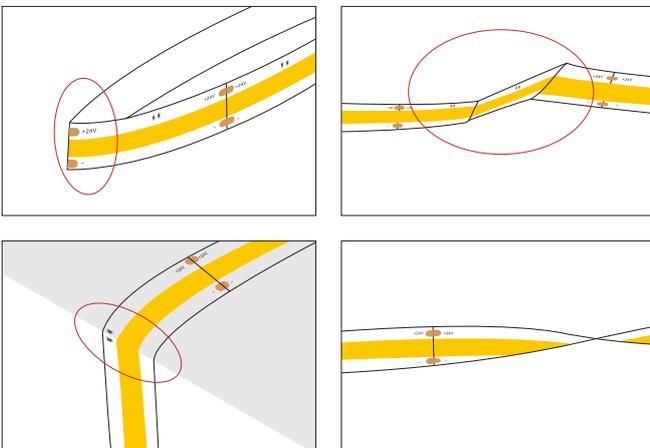
Bend(Right)

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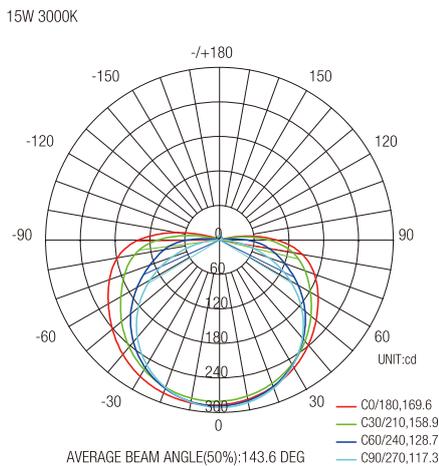
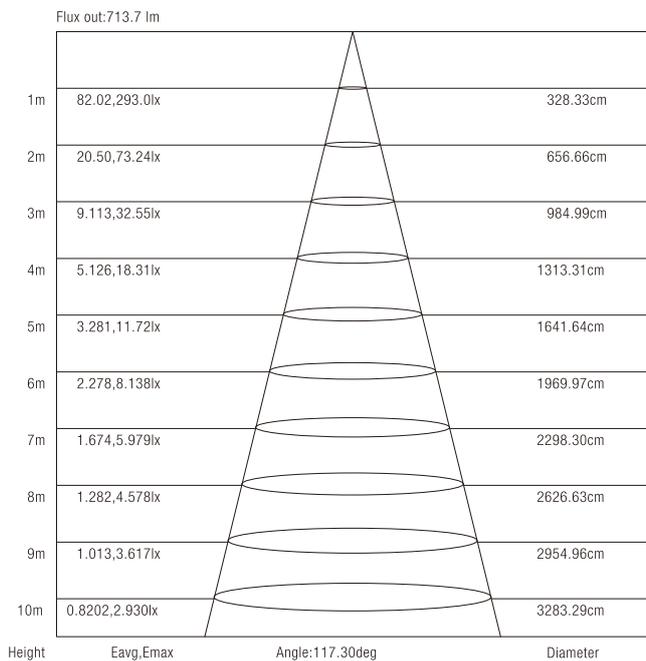COB led strip can be folded in 180 degrees without damaging the light strip. It is very flexible to use.

It has better tenacity.can be arbitrary bend
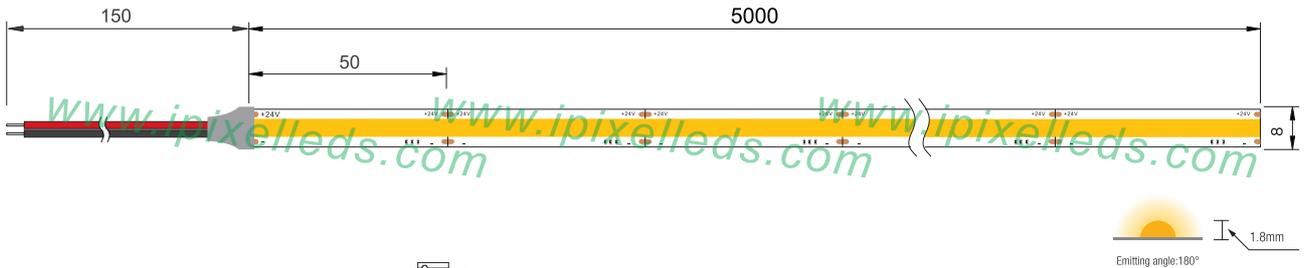

Light Distribution Curve

Lux-Distance Curve

15W 3000K

UNIT:cd

C0/180,169.6
C30/210,158.9
C60/240,128.7
C90/270,117.3

AVERAGE BEAM ANGLE(50%):143.6 DEG

Flux out:713.7 lm

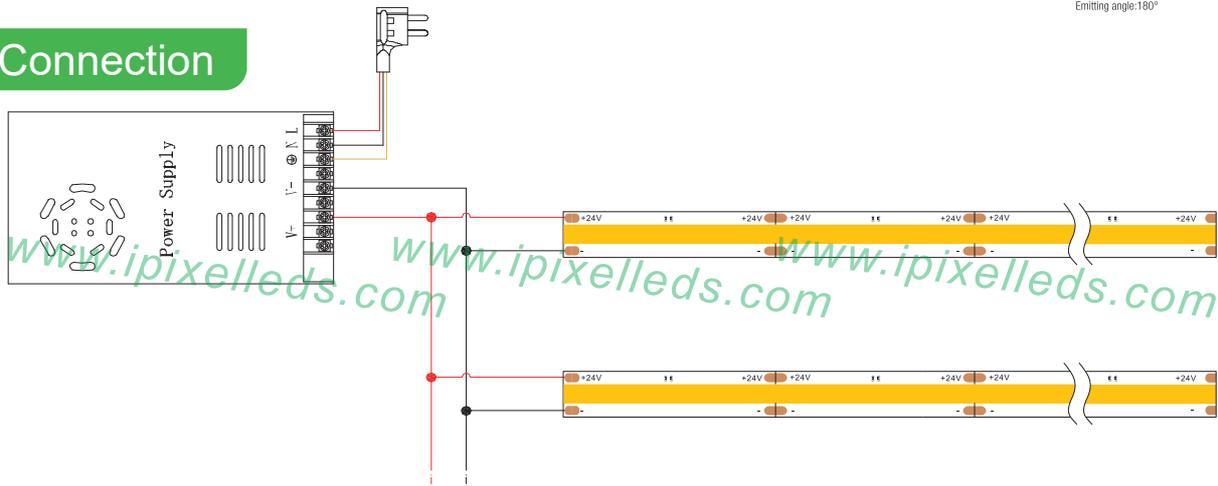| Height	Eavg,Emax	Angle:117.30deg	Diameter
1m	82.02,293.0lx		328.33cm
2m	20.50,73.24lx		656.66cm
3m	9.113,32.55lx		984.99cm
4m	5.126,18.31lx		1313.31cm
5m	3.281,11.72lx		1641.64cm
6m	2.278,8.138lx		1969.97cm
7m	1.674,5.979lx		2298.30cm
8m	1.282,4.578lx		2626.63cm
9m	1.013,3.617lx		2954.96cm
10m	0.8202,2.930lx		3283.29cm

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

Outline Dimension (unit:mm)

150   5000

50

+24V   +24V +24V   +24V +24V   +24V +24V   +24V +24V

8

1.8mm

Emitting angle:180°

Connection

Power Supply

+24V   +24V +24V   +24V +24V   +24V

+24V   +24V +24V   +24V +24V   +24V

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 along 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