LBY ®

COB LED STRIP

528 LEDs/m

Product Features

1. No spot, no shadow, soft light.

2. The antistatic grade (MIL – STD – 883 – e) : HBM level 2 (2000 ~ 4000 v)

3. The largest emitting angle can reach to 180°

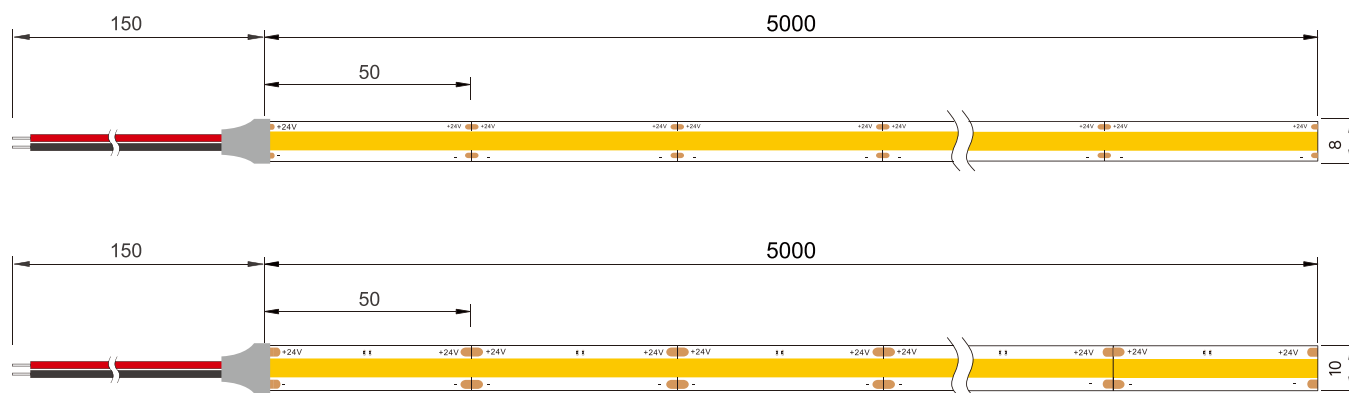4. Can be cut,and be free to cut off and weld along with the above cutting line.

CB   LM-80

Structure & Parameter

Emitting angle:180°

1.8mm

PARAMETER

Model No.	SQ528LC1-10MM		SMD Type	COB
Input voltage	24V		Working hour	50000h
CRI(Ra)	>90		Working temperture	−25℃～+45℃
Bram angle	180°		Cuttable length(mm)	50
LEDs /m	528LEDs		PCB Width(mm)	8/10

CCT	Lumen (LM/m)	Efficacy (LM/w)
2700K±100K	957.3	95.73
3000K±150K	1029	102.9
4000K±250K	1138	113.8
6500K±500K	1124	112.14

Light Distribution Curve

10W 3000K

-/+180
-150   150
-120   120
-90   90
60
120
180
240
300
0
-60   60
-30   30
0

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

Lux–Distance Curve

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.

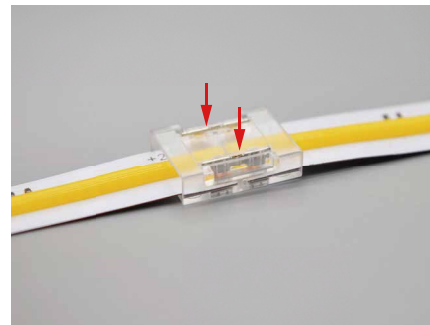# Product connections

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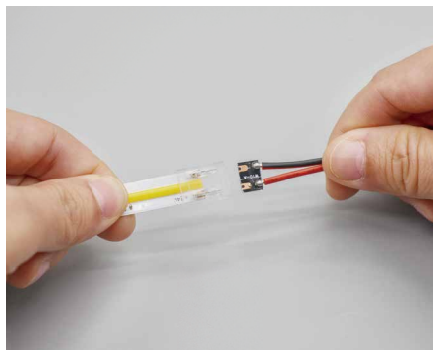
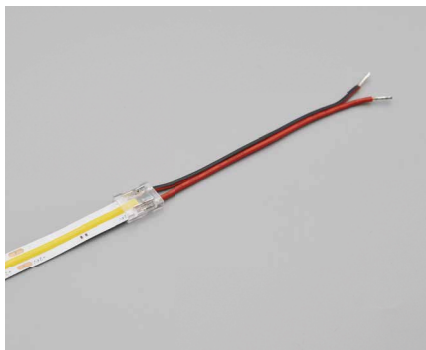After complete the insert, also make sure both ends of led strip are tightly connected

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
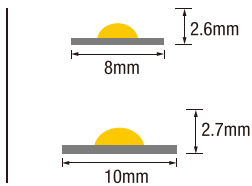
Meanwhile make sure both ends are closely connected, Press the metal clip down with the appropriate force using pliers to ensure that the metal clip is inserted into the appropriate position ,and connection completed.
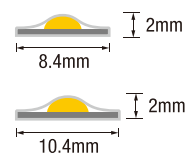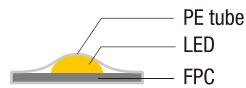
03

Waterproof

Gel coating

IP20

2.6mm
8mm
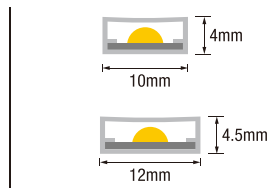
2.7mm
10mm

Heat shrinkable tube
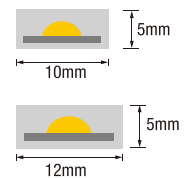

IP65

PE tube
LED
FPC

2mm
8.4mm

2mm
10.4mm

Silicone tube

IP67

4mm
10mm

4.5mm
12mm

Extrusion filling

IP68

Silicone
LED
FPC

5mm
10mm

5mm
12mm

⚠ Cautions

Wrong

Self adhensive tape

Right
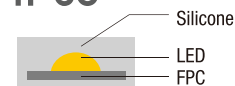
Self adhensive tape
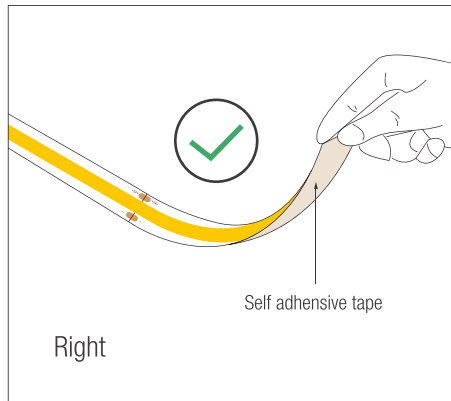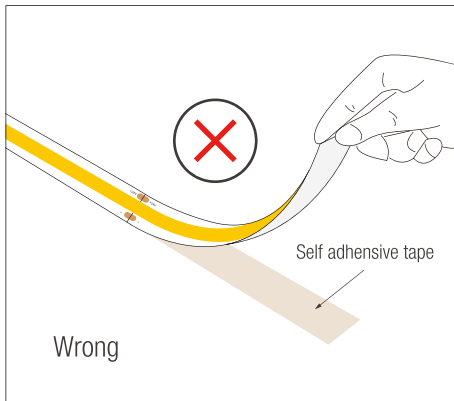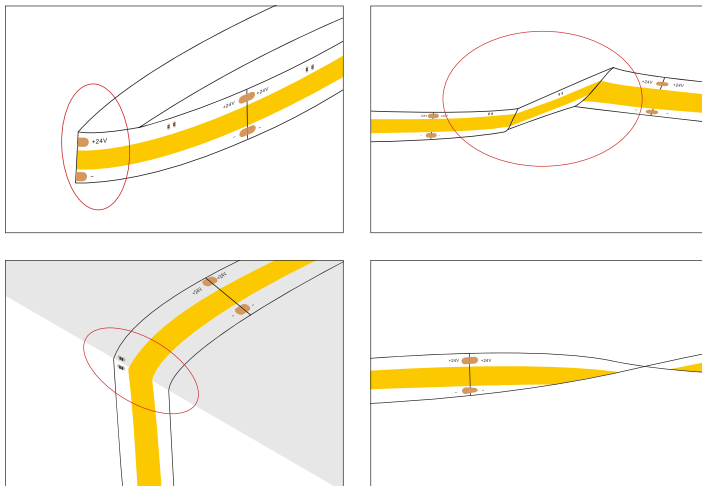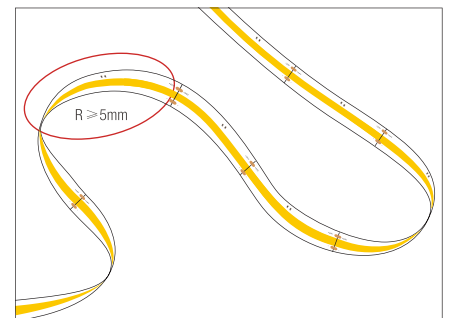
If the led strip needs to be torn up,please make sure that the self adhensive tape is torn with the led strip,otherwise the led strip will be damaged

When install the led strip,please note the installation technique.The led strip can be bent, but not distorted,as shown below.
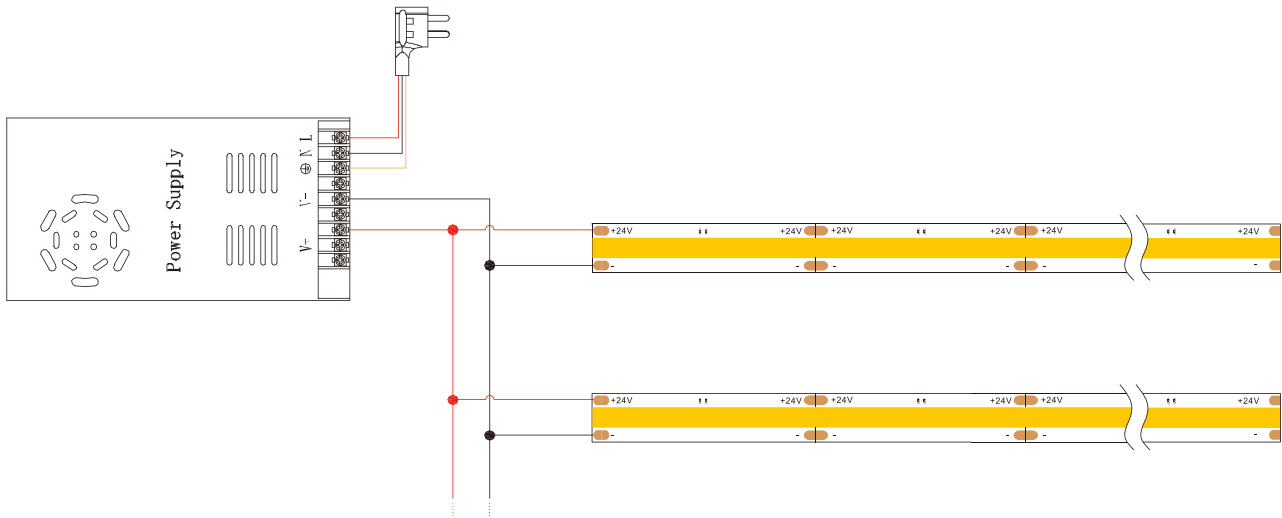
+24V

R ≥ 5mm

Bend(Right)

Distortion(Wrong)

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.

Wiring Diagram

Package

LED Strip

Anti-static bag