LED STRIP SPECIFICATION

8/10mm 480chips/m COB Strip PRO version

ETL INTERTEK LISTED C US 5000906

SGS

TÜV Rheinland ®

8/10mm 480chips/m COB Strip PRO version

LEDYi

Part Number: LY480-COBW30-W24-8MM-10W-IP20

- 8MM/10MM → 8MM/10MM
- IP20 → IP20/IP52/IP65/IP65H/IP67
- 10W → 5W/10W/15W
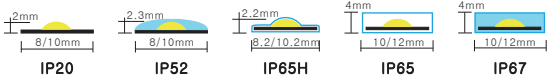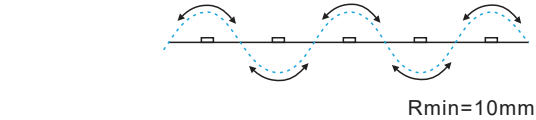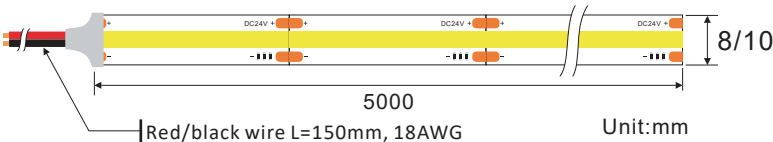- W24 → W12/W24
- W30 → W27/W30/W40/W65

Description

12V or 24V, flexible COB LED strip (Step length: 12V=25mm, 24V=50mm) 5W, 10W or 15W for opition, with 3M adhesive tape on the back for easy installed.

Regular CCT: 2700K, 3000K, 4000K, 6500K, other customized CCT such as 2200K, 2400K, 3500K, 5000K are available and NO MOQ limited.

180° beam angle. Very good color reproduction with CRI>90.

ETL INTERTEK LISTED — CE — RoHS — 3~5 Y Warranty

Dimensions & Waterproof

DC24V+ / DC24V+ / DC24V+ 8/10

5000

Red/black wire L=150mm, 18AWG   Unit:mm

12V: 25mm +DC12V+ 8/10

24V: 50mm DC24V+ 8/10

Rmin=10mm

IP20	IP52	IP65H	IP65	IP67
2mm 8/10mm	2.3mm 8/10mm	2.2mm 8.2/10.2mm	4mm 10/12mm	4mm 10/12mm

Product Specification

Dimension	5000x8(10)x2mm
Chip Type	COB
Chips/m	480pcs
Step LEDs	12pcs(12V) / 24pcs(24V)
Step Length	25mm(12V) / 50mm(24V)

Voltage(V)	DC12V / DC24V
Power(W/m)	5W / 10W / 15W
PCB Width	8mm/10mm
Beam Angle	180°
Operation Temperature	-20°C~50°C

Product Photometrics (Data base on IP20 CRI>90)

Part Number	CCT (K)	Low power(5w/m) Lumen (lm/m)	Low power(5w/m) Efficacy (lm/w)	Medium power(10w/m) Lumen (lm/m)	Medium power(10w/m) Efficacy (lm/w)	High power(15w/m) Lumen (lm/m)	High power(15w/m) Efficacy (lm/w)
▶ LY480-COBW27-W24-8MM	2700±100K	481.9	96.38	957.3	95.73	1418	94.53
▶ LY480-COBW30-W24-8MM	3000±150K	519.1	103.82	1029.0	102.90	1527	101.80
▶ LY480-COBW40-W24-8MM	4000±250K	575.0	115.00	1138.0	113.80	1690	112.67
▶ LY480-COBW65-W24-8MM	6500±500K	560.7	112.40	1124.0	112.14	1672	111.46

8/10mm 480chips/m COB Strip PRO version

Light Distribution Curve [Data base on 1m 15W IP20 6500K CRI>90, Unit:cd]

Luminaire

Light Distribution Curve (Polar)

+/-180

-90°   90°

117.7
235.4
353.0
470.7
588.4

0°

Light Distribution Curve (Linear)

| 588.4 |
| 470.7 |
| 353.0 |
| 235.4 |
| 117.7 |

-180°   180°

(cd) | C0/C180: ——   C90/C270: ——   C0: ——

Beam diagram

Height	Illuminance	Diameter
1.m	586.56lx	306.21cm
2.m	146.64lx	612.43cm
3.m	65.17lx	918.64cm
4.m	36.66lx	1224.86cm
5.m	23.46lx	1531.07cm
6.m	16.29lx	1837.29cm

E

Beam Angle:146.30°
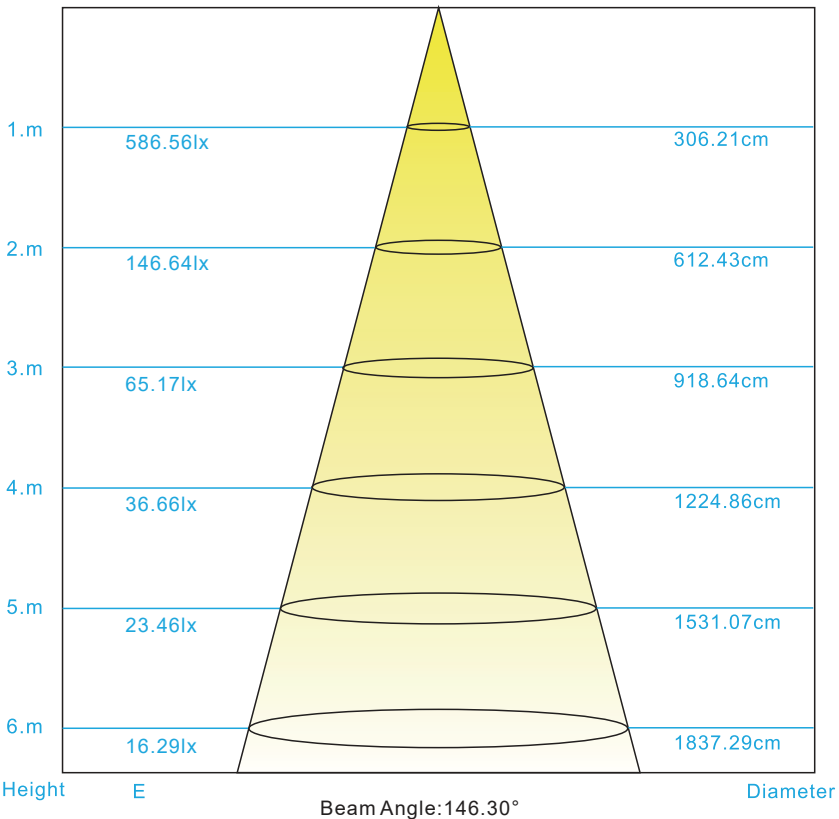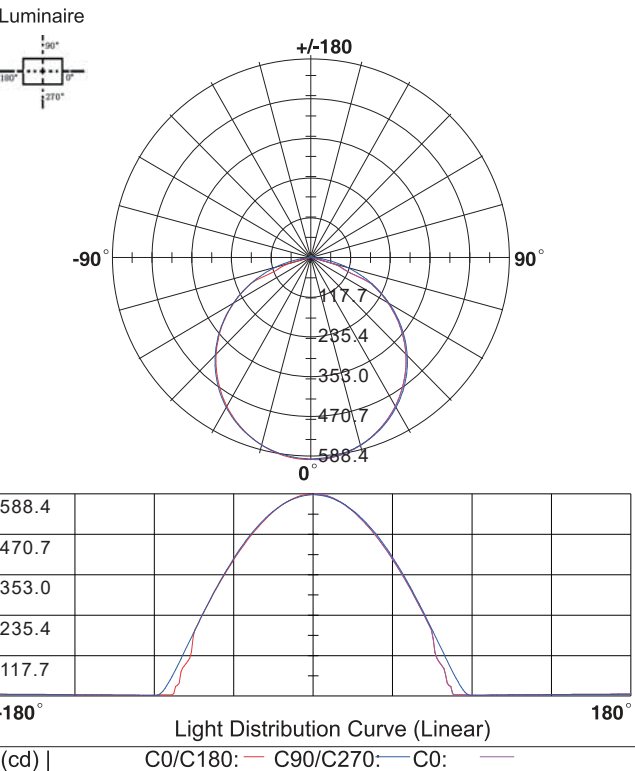
Connector Connection (IP20)

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.
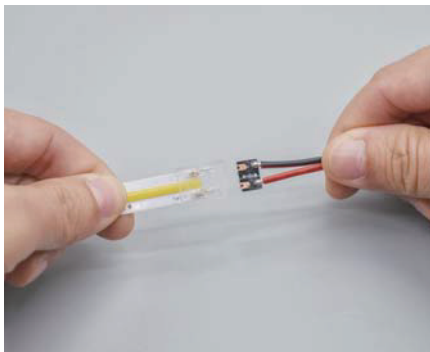

After complete the insert, also make sure both ends of led strip are tightly connected
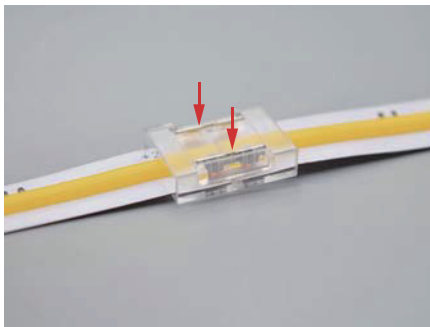
Press the metal clip down with the appropriate force using pliers to ensure that the metal clip is inserted into the appropriate position ,and connection completed.
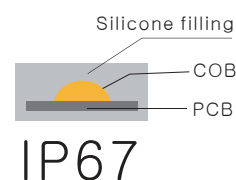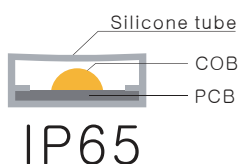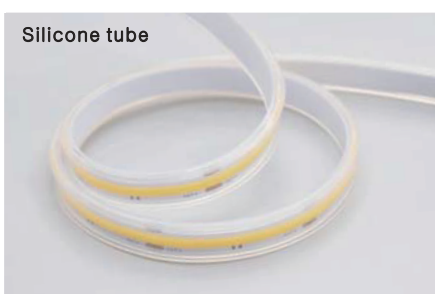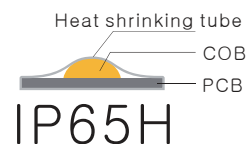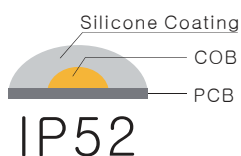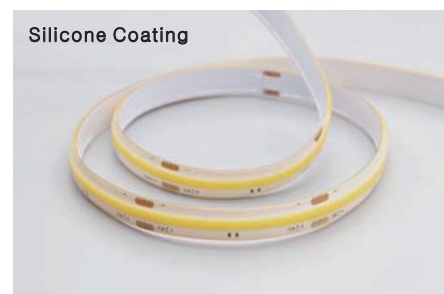
Cable Connection (IP20)

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
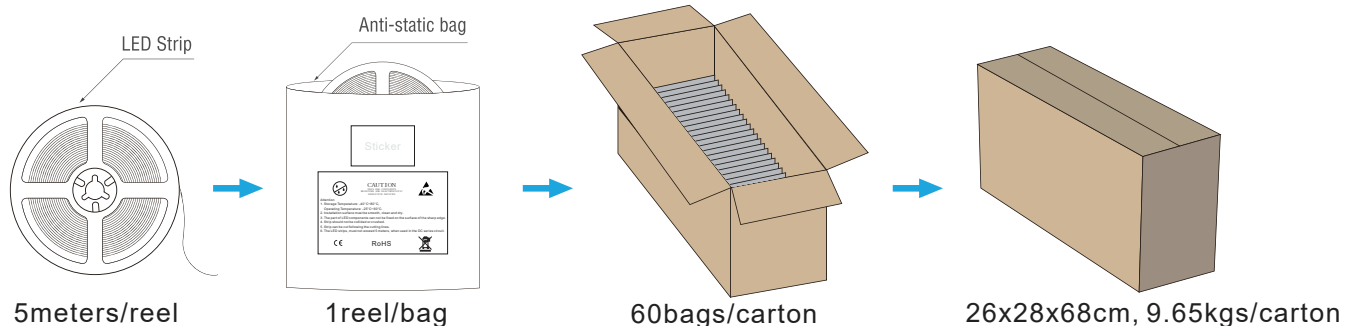

Meanwhile make sure both ends are closely connected, Press the metal clip down with the appropriate force using pliers to ensure that the metal clip is inserted into the appropriate position, and connection completed.

IP Grade

Silicone Coating

Silicone Coating
COB
PCB

IP52

Heat shrinking tube

Heat shrinking tube
COB
PCB

IP65H

Silicone tube

Silicone tube
COB
PCB

IP65

Silicone filling

Silicone filling
COB
PCB

IP67

Packing Information (Data base on IP20)

LED Strip | Anti-static bag

5meters/reel | 1reel/bag | 60bags/carton | 26x28x68cm, 9.65kgs/carton

Precautions for use

1. To protect the LED light strip, do not hit the light-emitting area with hard things.

2. After unpacking, please use in 24H to avoid the oxidation effect of solder joints.

3. Avoid direct contact with high temperature objects in the light-emitting area of the lamp, and the instantaneous contact temperature of the surface of the light-emitting area should be less than 210 °C.

4. The soldering iron temperature should be less than 300° during soldering, and the soldering time of single solder should be controlled within 3s.

5. It is strictly forbidden to twist the lamp with short distance. The single lamp strip (0.5 m) has a maximum twist angle of 720°.
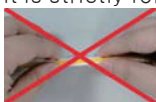
6. The bend diameter at any position needs to be greater than 1cm.