

PROTECH LED

be creative



LED STRIP SPECIFICATION

AT-W27-COB-2





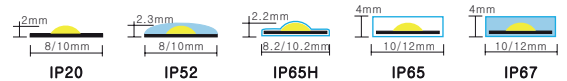
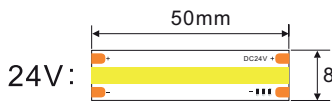
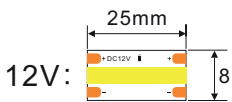
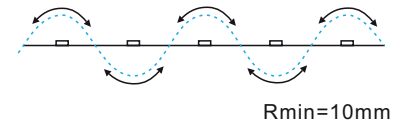
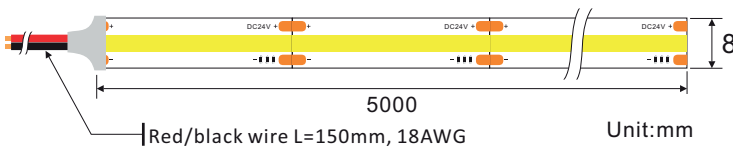
AT-W27-COB-2

DESCRIPTION

12V or 24V, flexible COB LED strip (Step length: 12V=25mm, 24V=50mm) 5W, 10W or 15W for option, 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.



DIMENSIONS & WATERPROOF



PRODUCT SPECIFICATION

Dimension	5000x8x2mm
Chip Type	COB
Chips/m	480 pcs
Step LEDs	12 pcs (12V) / 24 pcs (24V)
Step Length	25 mm (12V) / 50 mm (24V)

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

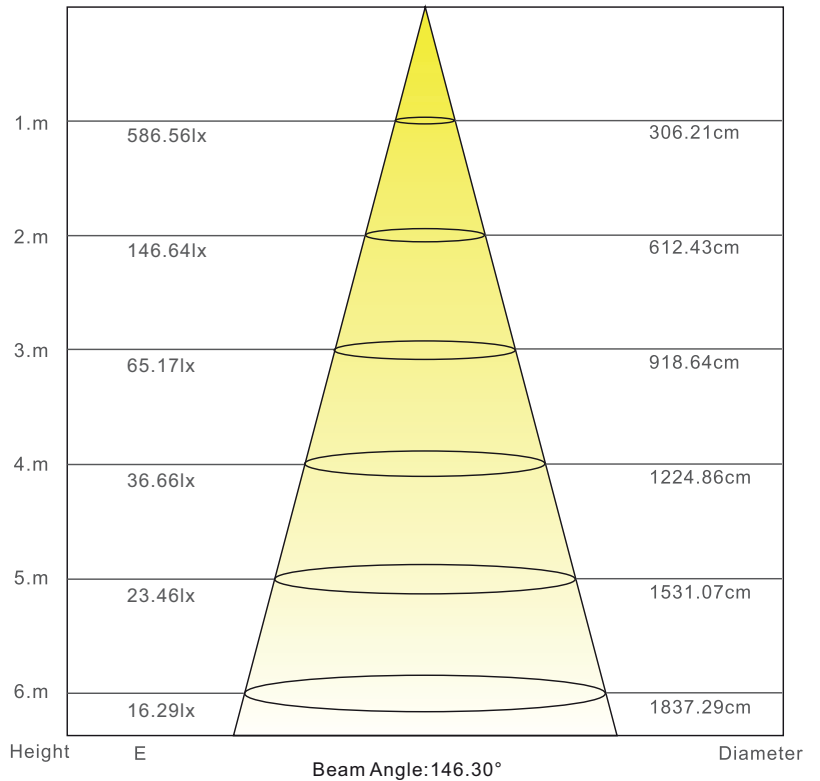
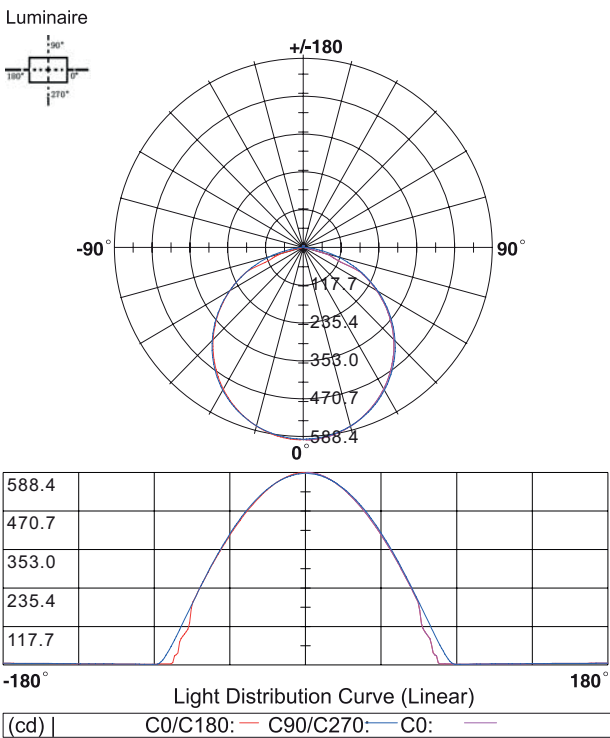
PRODUCT PHOTOMETRICS (DATA BASE ON IP20 CRI>90)

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



AT-W27-COB-2

LIGHT DISTRIBUTION CURVE (DATA BASE ON 1M 15W IP20 6500K CRI>90, UNIT:CD)



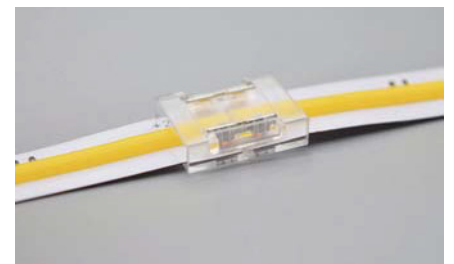
CONNECTOR CONNECTION (IP20)



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.

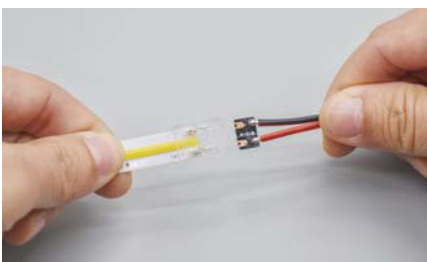


After complete the insert, also make sure both ends of led strip are tightly connected.



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.

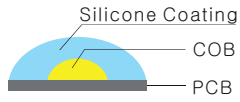


Meanwhile make sure both ends are closely connected, Press the metal clip down with the appropriate force using pliers to ensure that the metal clip is inserted into the appropriate position, and connection completed.

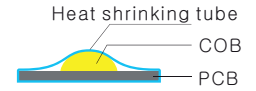


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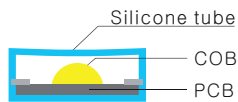
IP GRADE



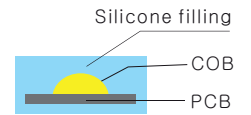
IP52



IP65H



IP65



IP67

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

