# LED Strip Light

Type :Bright Eco 5050 60 LED 24V Non Waterproof - 10mm PCB

## Features

- 5050 SMD LEDs bring high luminous efficacy
- Can be cut at the printed marks
- Highly Reliable
- One BIN only, Good Color Uniformity
- Anti-Oxidation by Silver for Bonding Pad
- Silver-Tin Pad Design, Easy Soldering
- Simple and Elegant
- Life Span : ≤ 50,000hours

## Optical and Electrical Parameters

| Part No/ Model No | LED Color | Color Temp | CRI | Beam Angle | Luminous Flux | Luminous Efficacy | Working Voltage | Power (W) | |
|---|---|---|---|---|---|---|---|---|---|
| | | (K) | | (˚) | (lm/m) | (lm/w) | (V) | 1m | 5m |
| B11612-50E | Cool White | 8000-10000 | ≥75 | 115˚ | 940-1040 | 73 | 24 | 14.4 | 72 |
| | Pure White | 6000-7000 | ≥75 | 115˚ | 940-1040 | 73 | 24 | 14.4 | 72 |
| | Neutral White | 3800-4500 | ≥75 | 115˚ | 940-1040 | 73 | 24 | 14.4 | 72 |
| | Warm White | 2700-3250 | ≥75 | 115˚ | 940-1040 | 73 | 24 | 14.4 | 72 |

## Others

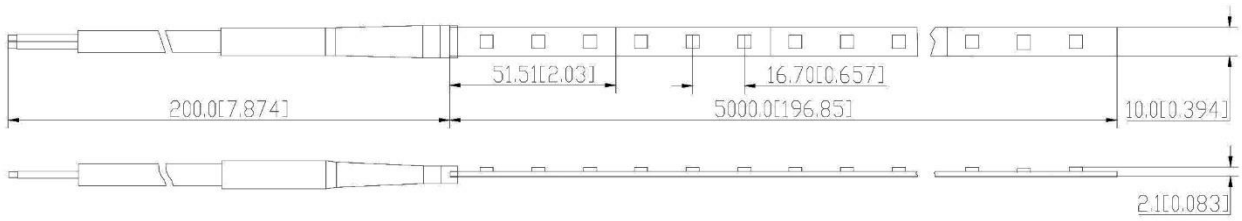
| Part No/ Model No | IP Grade | Operating Temp | | Storage Temp | | Standard Length | | Max. cascading Length | | LED Qty |
|---|---|---|---|---|---|---|---|---|---|---|
| | | (˚C) | (˚F) | (˚C) | (˚F) | (m) | (inch) | (m) | (inch) | (Pcs/m) |
| B11612-50E | IP 20 | -25~+60 | -13~+140 | -25~+70 | -13~+158 | 5 | 196.85 | 5 | 196.85 | 60 |

## Applications

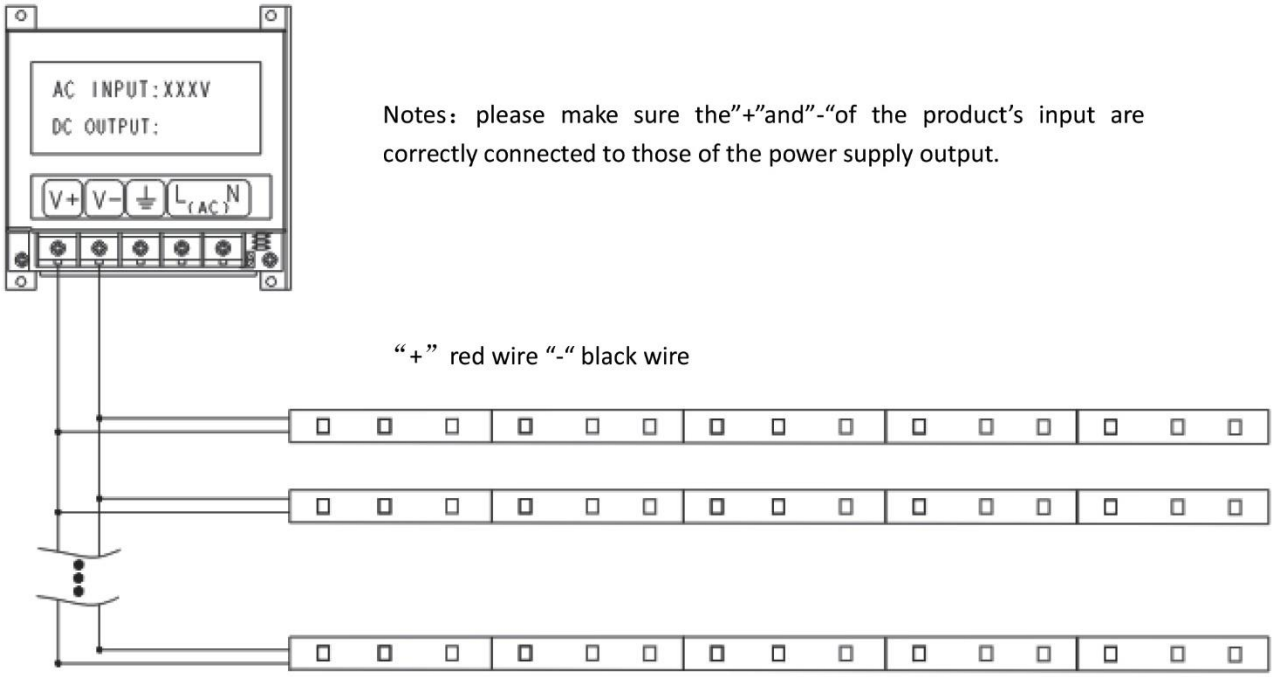
- Suitable for cover and contour lighting etc, in KTV, hotels, shopping malls, home, offices, cabinets and so on

## Profile Drawings

Unit: mm[inch]



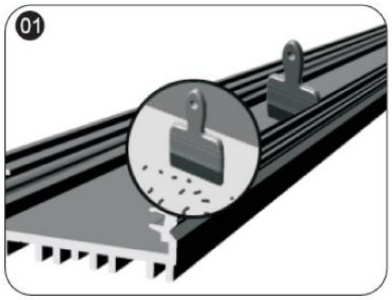

## Connection Instruction



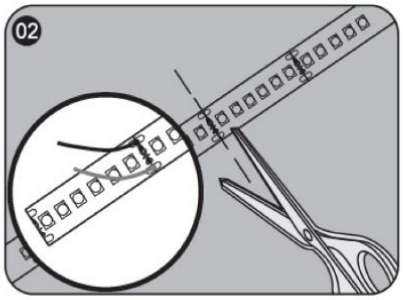

Notes: please make sure the"+"and"-"of the product's input are correctly connected to those of the power supply output.

"+" red wire "-" black wire

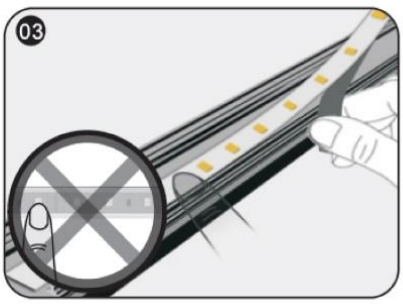
## Installation Steps & Cautions




◎ Make sure the mounting surface is clean before installation;

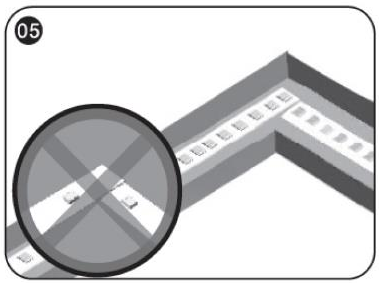



◎ Calculate the needed length and cut off the extra length along cutting mark if necessary; if need to add wires, please weld them at the next location with printed mark.



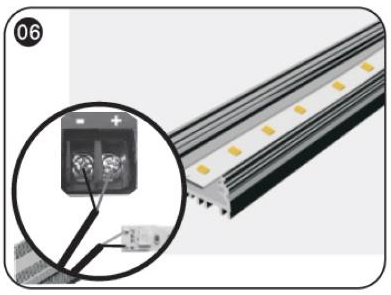

◎ while sticking strips, peel off the release paper of the tape step by step. Don't peel off all release paper at a time to avoid getting your strip in a mess.

◎ Stick Mylar tape to isolate the cutting position from the bottom of profile inner slot to avoid short-circuit;

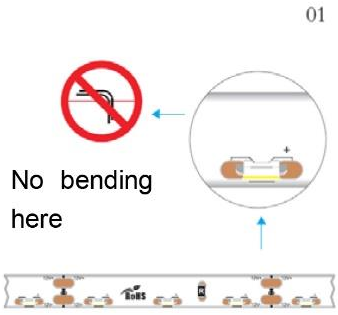



◎ The installation at the corner is shown as the above figure.

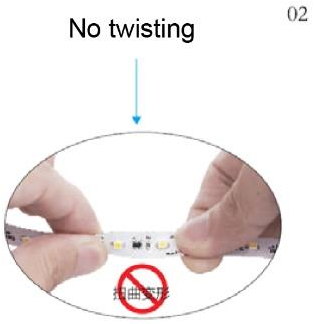
△ Notes: No bending it into right angle; No twisting it to stick on the mounting surface.



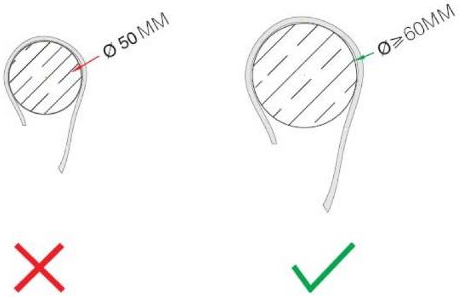

◎ Connect strip wires to the output terminal of power supply, and dispose with waterproof, insulation, short-circuit and anti-corrosion protection at both the wire joints and the cut section of your strip (if any).




◎ No bend the strip at the position of LED




◎ No twisting the strip




◎ No winding an object with a diameter <5cm.

## Trouble Shooting

| Malfunctions | Possible Causes | Solutions |
|---|---|---|
| All LEDs don't work | 1. The power supply did not connect to power grid. | Power on |
| | 2. No electricity due to short-circuit of external power supply. | Remove the malfunction caused by short-circuit, power on again. |
| | 3. The wires of strip light connect to power supply output reversely. | Check the connecting and ensure the wires are connected correctly. |
| Part of LEDs don't work | 1. Part of power supplies do not have output. | Check the power supply system. |
| | 2. Part of wires of strip light have malfunction. | |
| | 3. Particular strip light connected reversely. | Correct connection |
| Brightness of LEDs is weak or uneven | 1. Overloaded power supply; | Replace it with higher power supply |
| | 2. The power loss of power circuit is huge or the power loss of each circuit existing big difference. | Ensure working voltage of strips is within±5%V of rated voltage.<br>1. Shorten the length of wires between the first strip and power supply or replaced with wires with bigger diameter;<br>2. Ensure the cascading qty of string is less than or equal to the allowed maximum cascading qty, and each strip cascading qty is well-balanced. |
| | 3. Exceed in qty of strip light in series | Lessen the cascading qty for strip and ensure the qty for each electrical circuit is within the maximum cascading qty. |