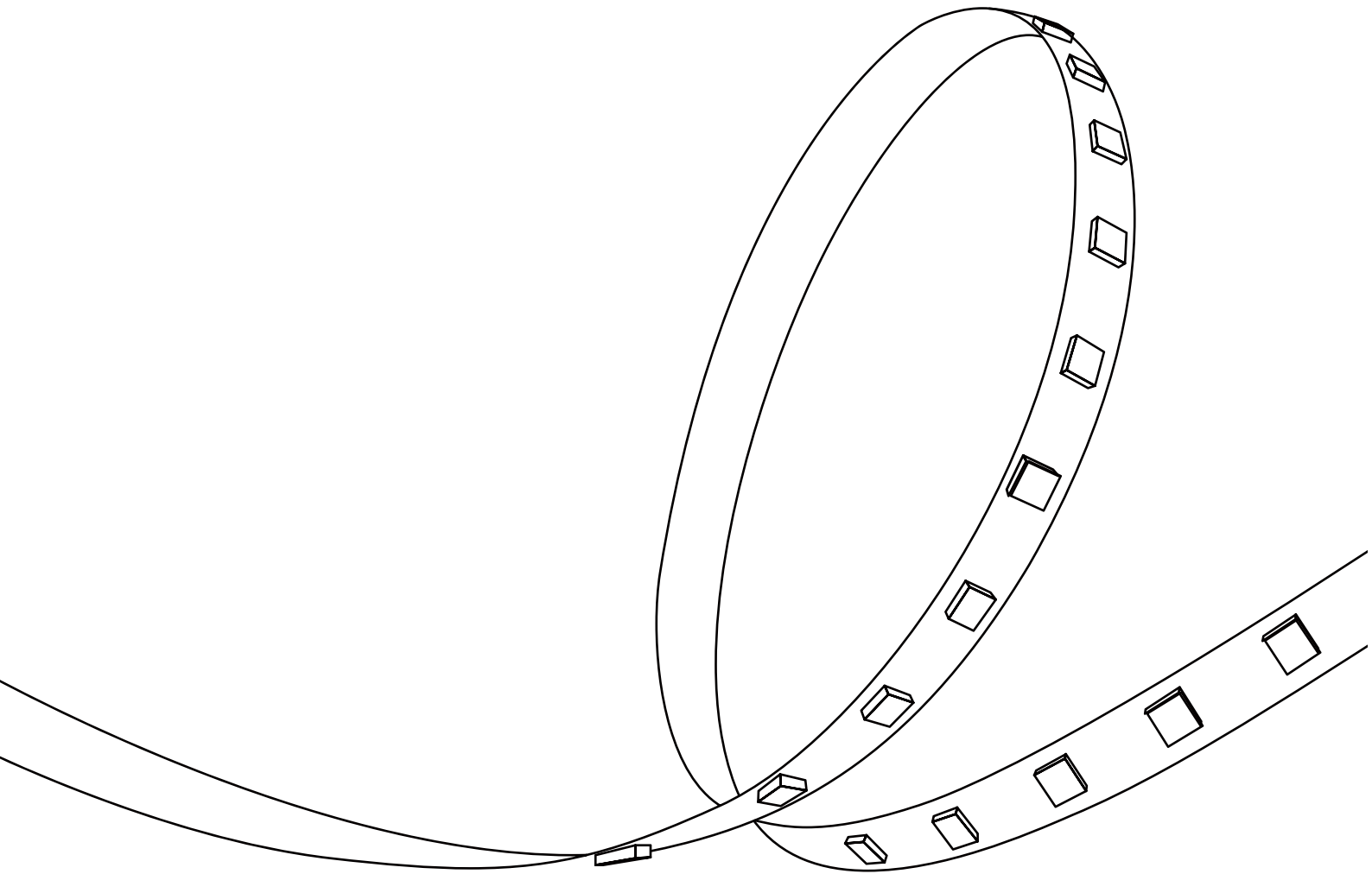


# Flexi DF8 Dot-free LED Strip Light User Manual



Please read the manual carefully before installation and application, and use the product in the correct way.  
Instructions of accessories are included in the manual.  
Please properly maintain the manual after reading and understanding it for convenient reference by all users of the product in the future.

# CONTENTS

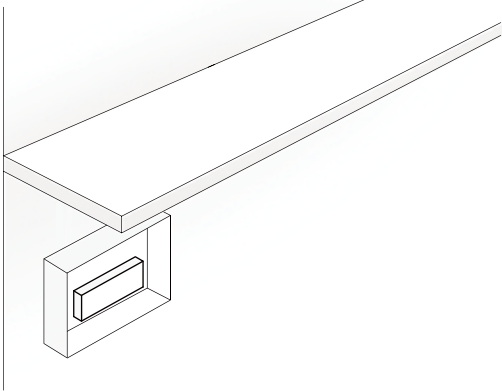
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<b>01</b>	<b>INSTALLATION</b>	
	IP33/IP55/IP NANO	02
	IP65/IP67/IP67C	03
<b>02</b>	<b>ACCESSORIES</b>	
	Wire Connector	04
	Connector	05
	Fixed Accessories	08
<b>03</b>	<b>INSTRUCTION OF POWER SUPPLY</b>	09
<b>04</b>	<b>INSTRUCTION OF CONTROLLERS</b>	
	Dimming	10
	CCT	10
	RGBW	10
	Multifunctional LED	11
<b>05</b>	<b>APPLICATIONS</b>	12
<b>06</b>	<b>PRECAUTIONS</b>	
	Installation notes	17
	Warranty	18
	FAQ	18

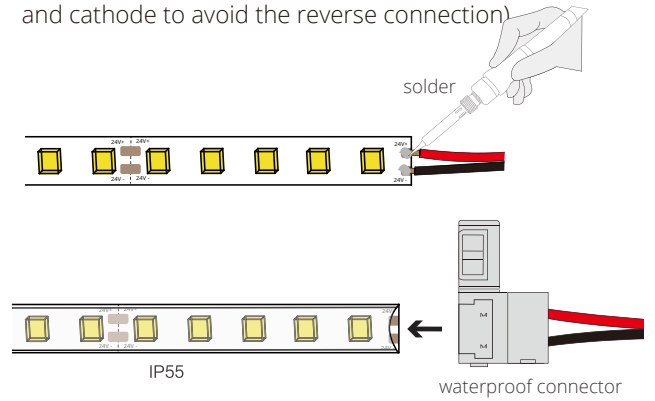
# Installation(IP33/IP55/IP NANO)

## 1 Mount the power supply on a right place

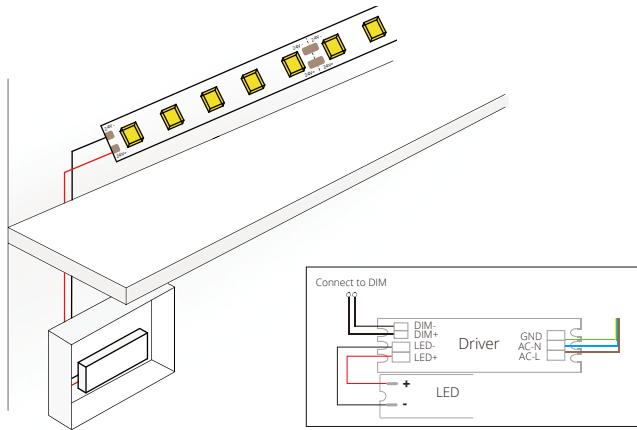
⚠ Do not touch with wet hands or there is a risk of electric shock



## 2 Connect the standard wire to the strip by soldering or waterproof connector (for IP55) (Pay attention to the anode and cathode to avoid the reverse connection)

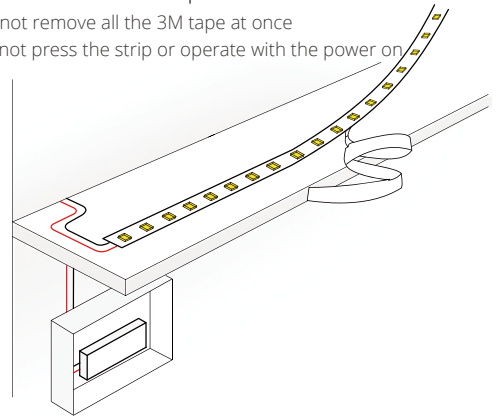


## 3 Connect the standard wire of strip to the power wire



## 4 Remove the 3M tape from the connection and attach the strip to the installation position

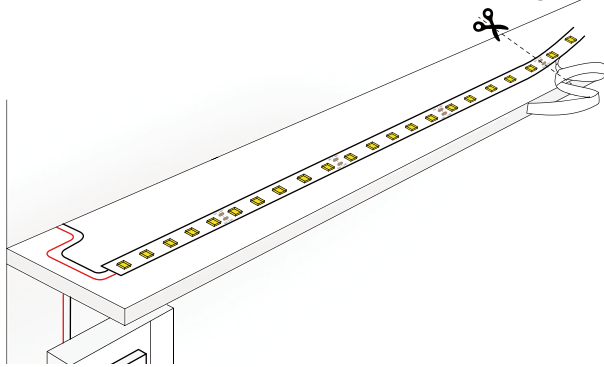
⚠ Do not remove all the 3M tape at once  
⚠ Do not press the strip or operate with the power on



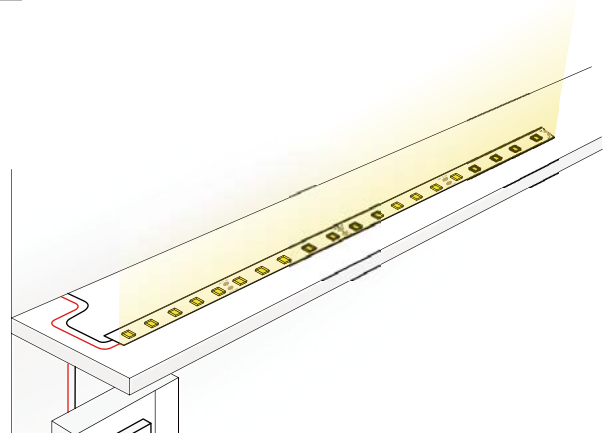
## 5 Cut the strip in accordance with the required length

⚠ Cut the strip at the minimum cutting unit

the minimum cutting unit



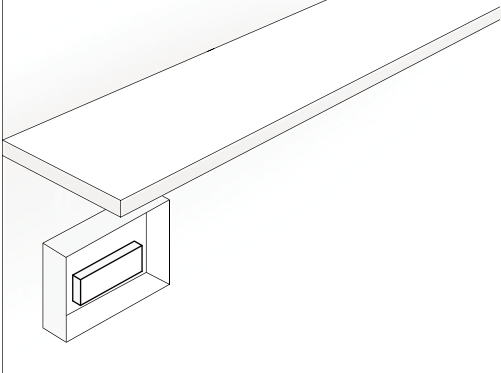
## 6 Turn on the power to light up the strip



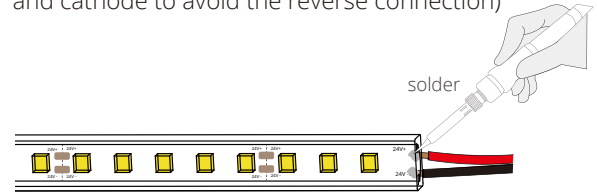
# Installation(IP65/IP67/IP67C)

## 1 Mount the power supply on a right place

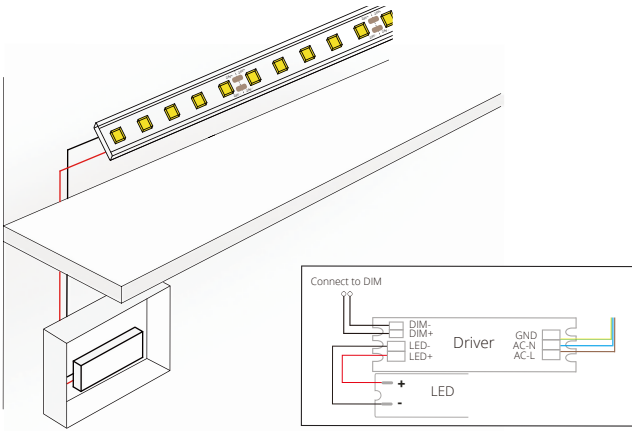
⚠ Do not touch with wet hands or there is a risk of electric shock



## 2 Connect the standard wire to the strip by soldering or waterproof connector (for IP55) (Pay attention to the anode and cathode to avoid the reverse connection)

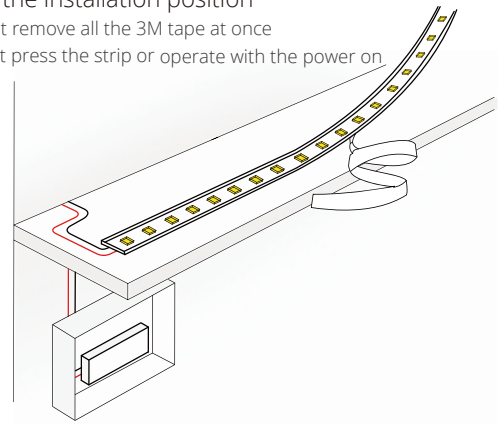


## 3 Connect the standard wire of strip to the power wire



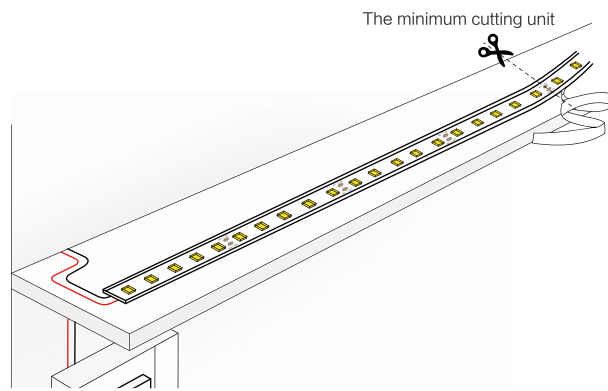
## 4 Remove the 3M tape from the connection and attach the strip to the installation position

⚠ Do not remove all the 3M tape at once  
⚠ Do not press the strip or operate with the power on

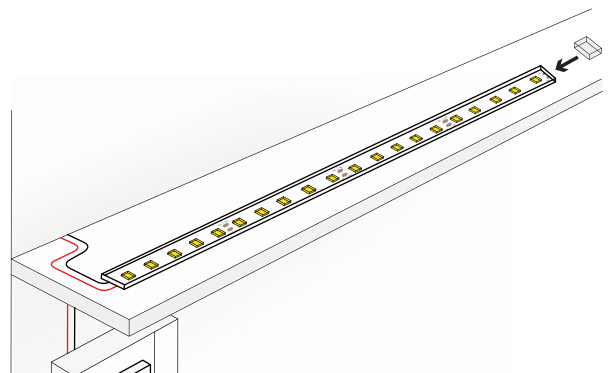


## 5 Cut the strip in accordance with the required length

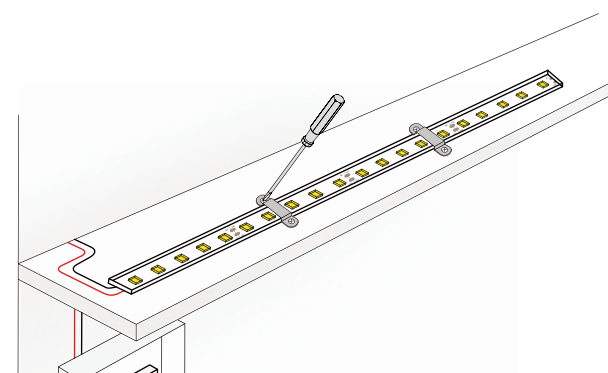
⚠ Cut the strip at the minimum cutting unit



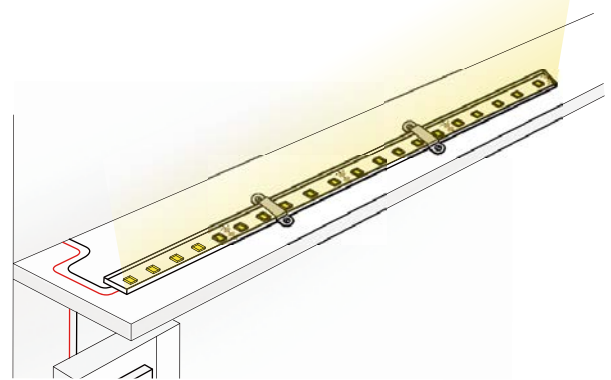
## 6 Install the end cap without hole at the end of cutting



## 7 Fix the strip on the installation position with clips



## 8 Turn on the power to light up the strip



# Accessories

## Wire Connector

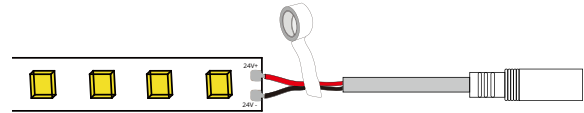
### 1、Wire

#### 1 DC male wire/DC female wire

##### 1 Weld or tighten the standard wires



##### 2 Place insulation on the connection

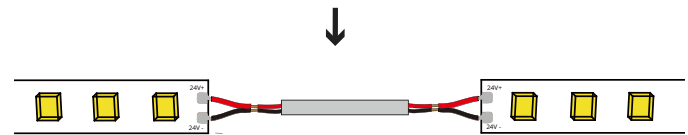
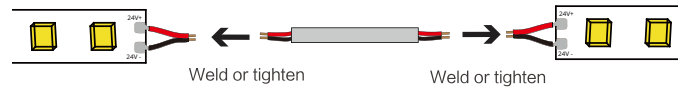


#### 2 Connect the DC male to the DC female



#### 3 Crystal wire

##### ▲ Place insulation on the connection

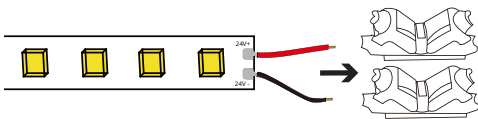


### 2、Wire Connector

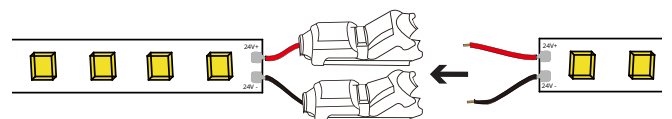
#### 1 Single pin wire connector

##### ▲ Suitable for the outer diameter of wire less than 2.1mm

##### 1 Connect the standard wires to the single pin wire connectors



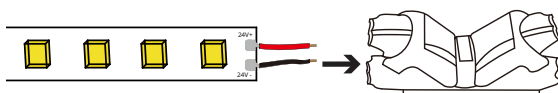
##### 2 Connect the standard wires to the single pin wire connectors (do not confuse the anode with the cathode)



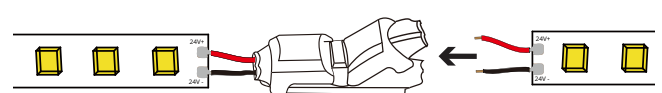
#### 2 Dual pin wire connector

##### ▲ Suitable for the outer diameter of wire less than 2.1mm

##### 1 Connect the standard wire to the dual pin wire connector

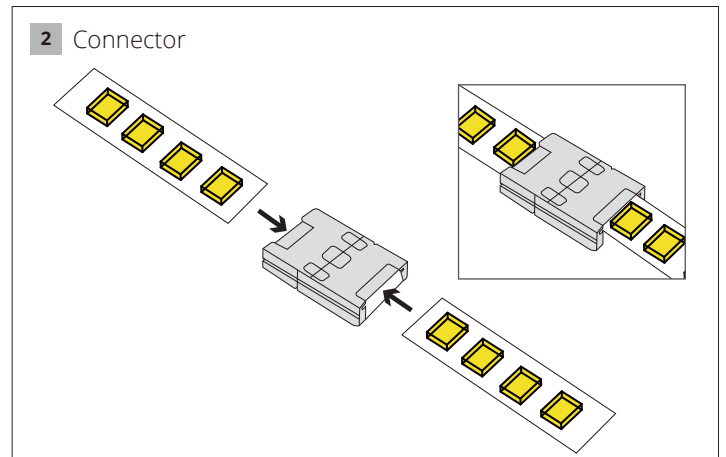
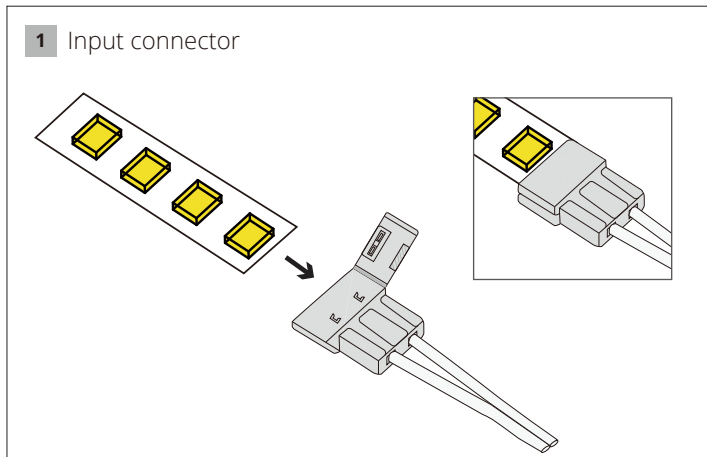


##### 2 Connect the standard wire to the dual pin wire connector (do not confuse the anode with the cathode)

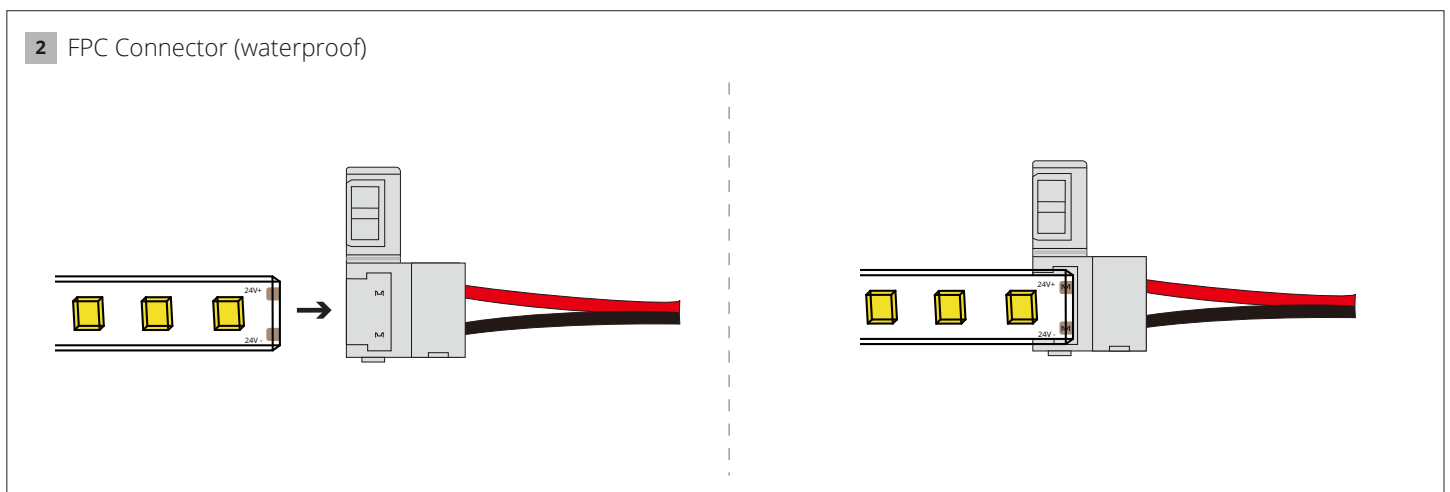
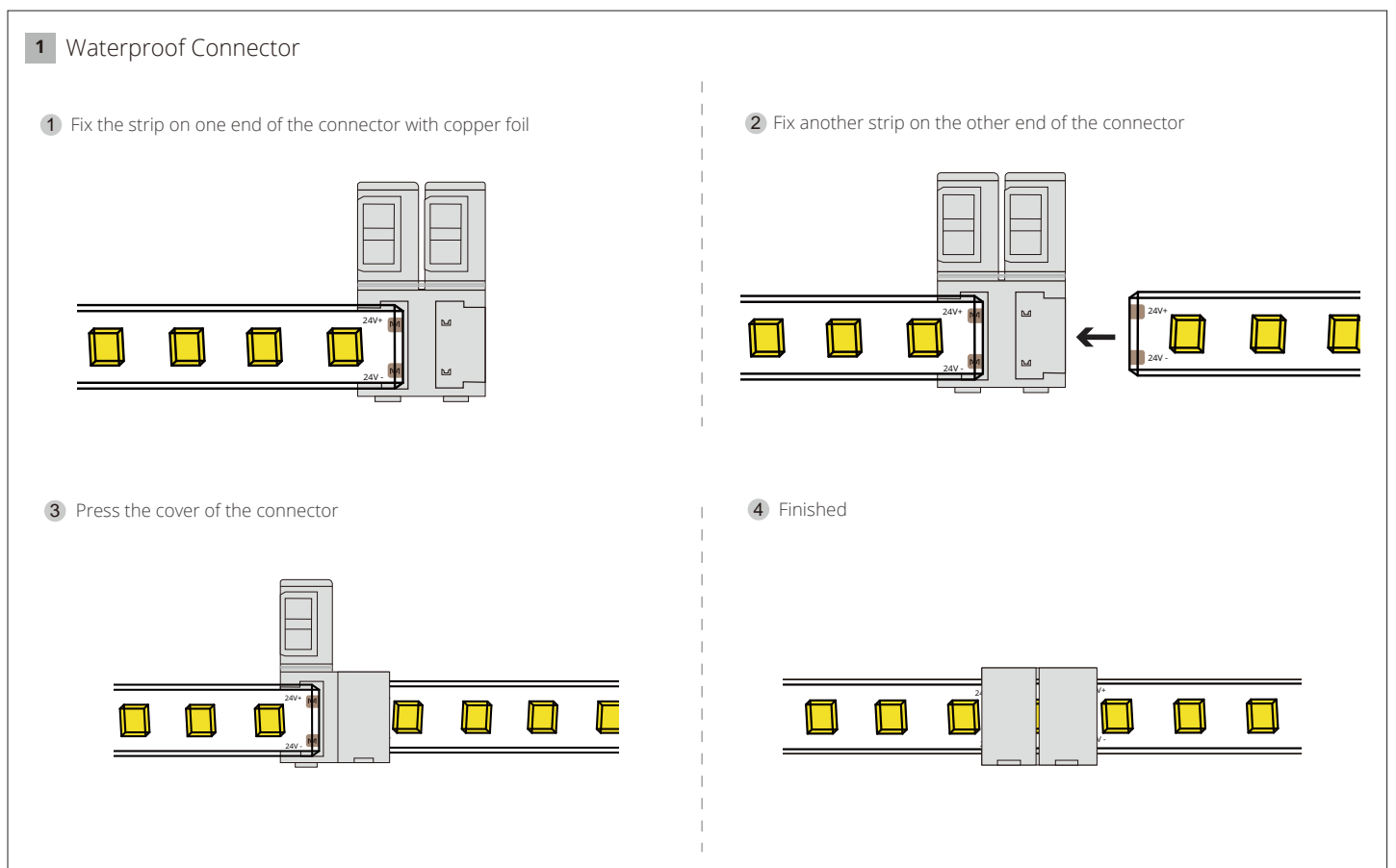


# Connectors

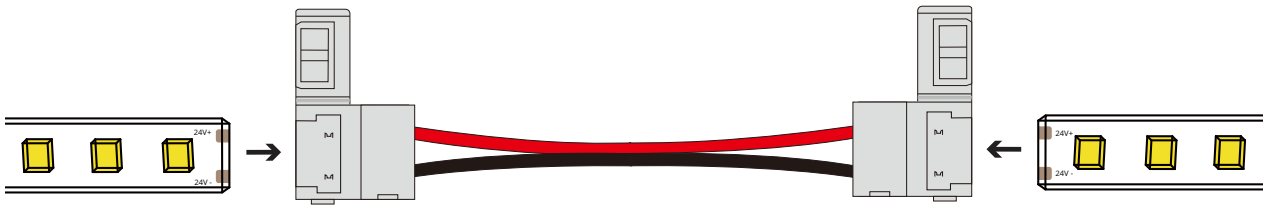
## 1、No Waterproof Connector



## 2、Waterproof Connector



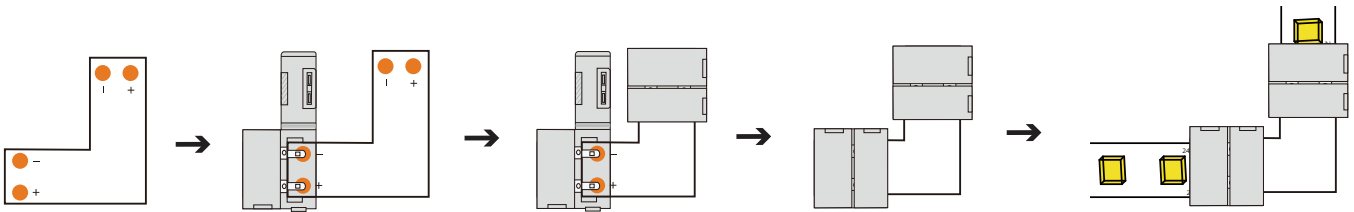
### 3 FPC Extender (waterproof)



## 3、Connection

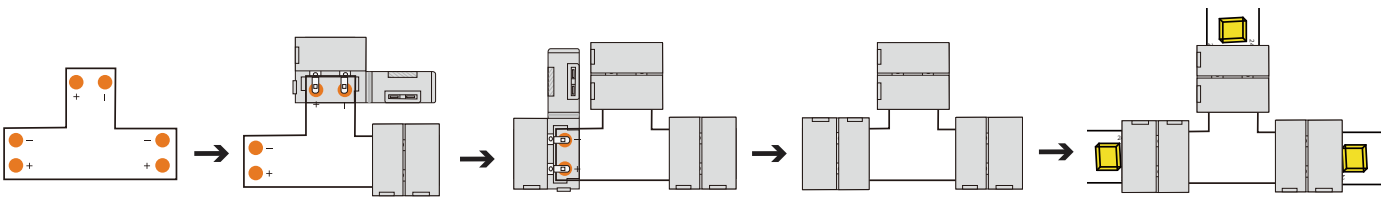
### 1 L Connection

⚠ If you want to know about how to connect the L connector to the strip, please refer to the connector P05



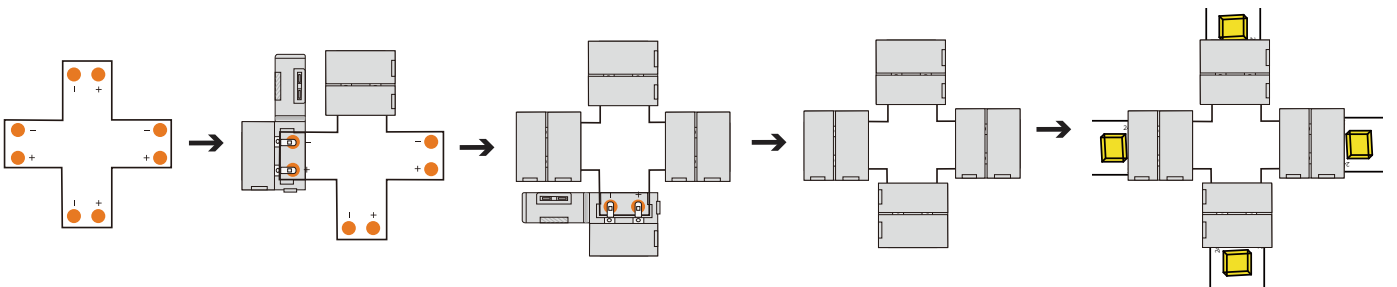
### 2 T Connection

⚠ If you want to know about how to connect the T connector to the strip, please refer to the connector P05



### 3 + Connection

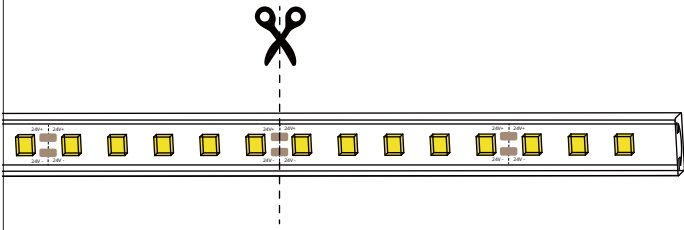
⚠ If you want to know about how to connect the + connector to the strip, please refer to the connector P05



## 4、IP67C Soldering Free Connector

- 1** Cut an appropriate length of strip on the outside of the cutting position

⚠ Cut the strip at the minimum cutting unit



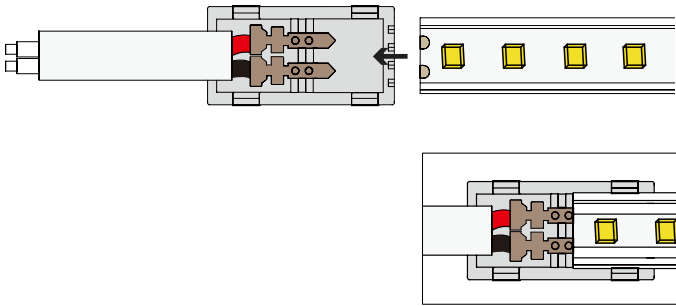
- 2** Remove the red 3M tape from the cutting position of strip

⚠ The length of removed tape should be 11mm(±2mm), or the connectors cannot be inserted



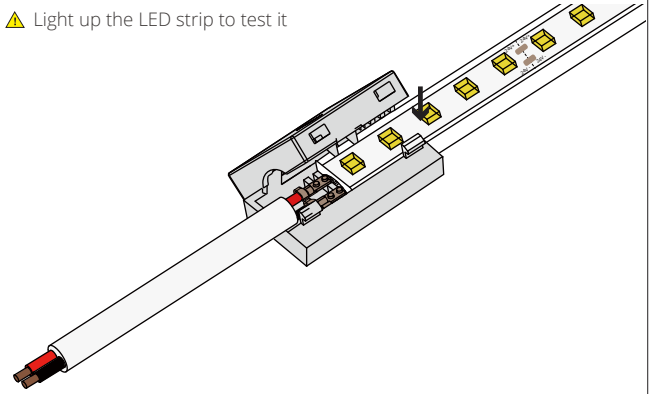
- 3** Insert the strip into the lower cover of connector

⚠ The strip should be inserted into the position until it can't be pushed, the anode of strip should be connected to the red wire of the copper while the cathode of strip is connected to the black wire of the copper



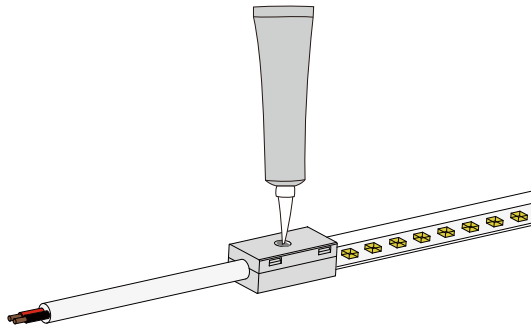
- 4** Press the upper cover to fix the strip

⚠ Light up the LED strip to test it

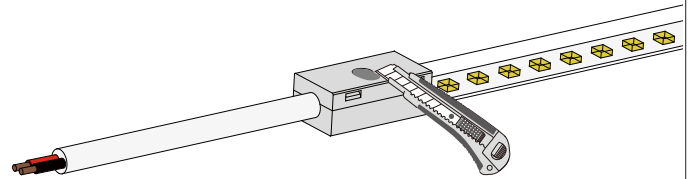


- 5** Scissor a 4mm hole of the glue, then inject the glue into the connector until the glue spill from it

⚠ Keep the glue still for 30 minutes until the surface get dry, and the strip can be operated after 4h. It takes 24h for the glue to be completely dry.



- 6** The connection will be finished after the remaining glue is scraped off

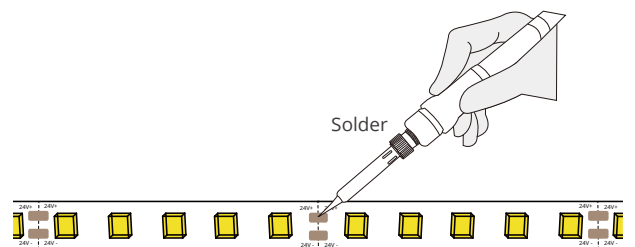


## 5、Soldering

- 1** Align the strips after cutting (Do not confuse the anode with the cathode)

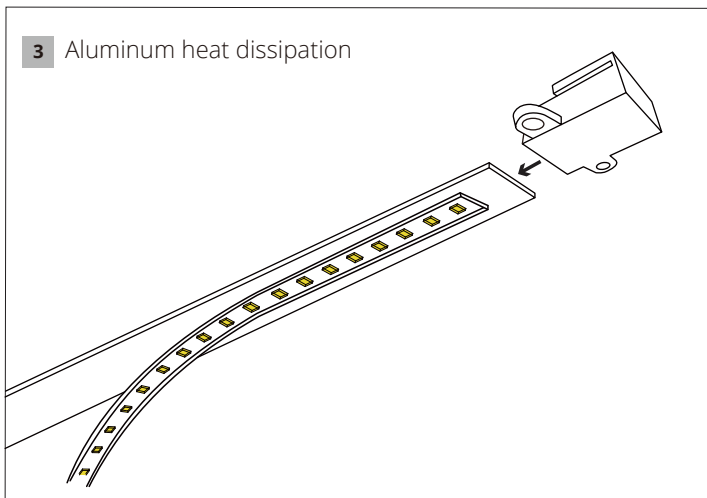
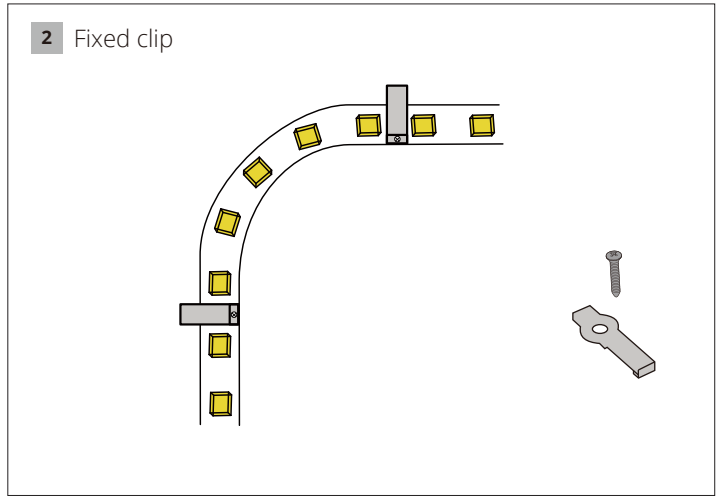
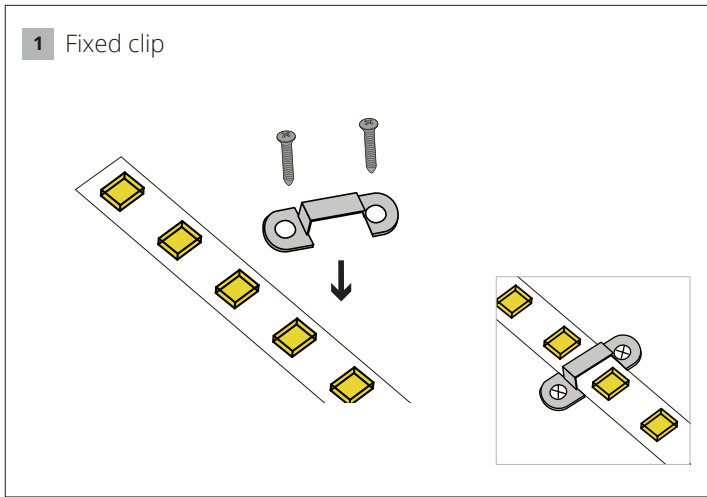


- 2** Finished





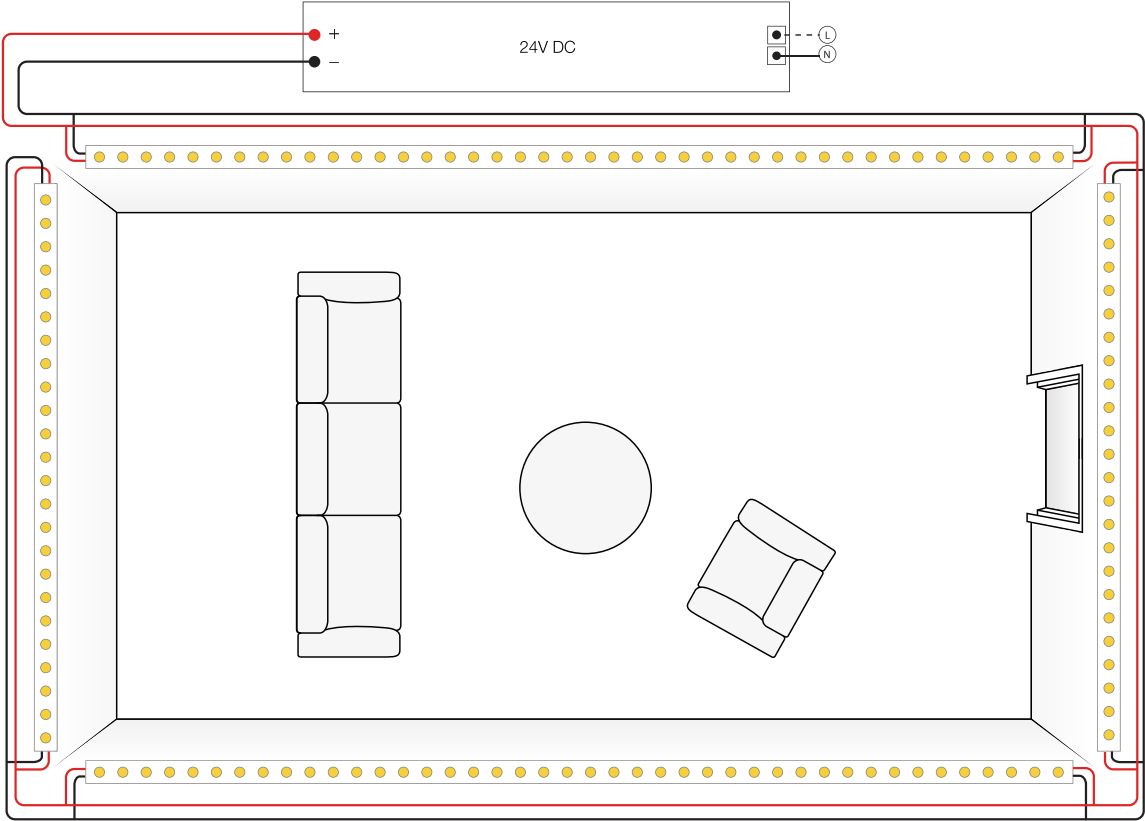
# Fixed Accessories



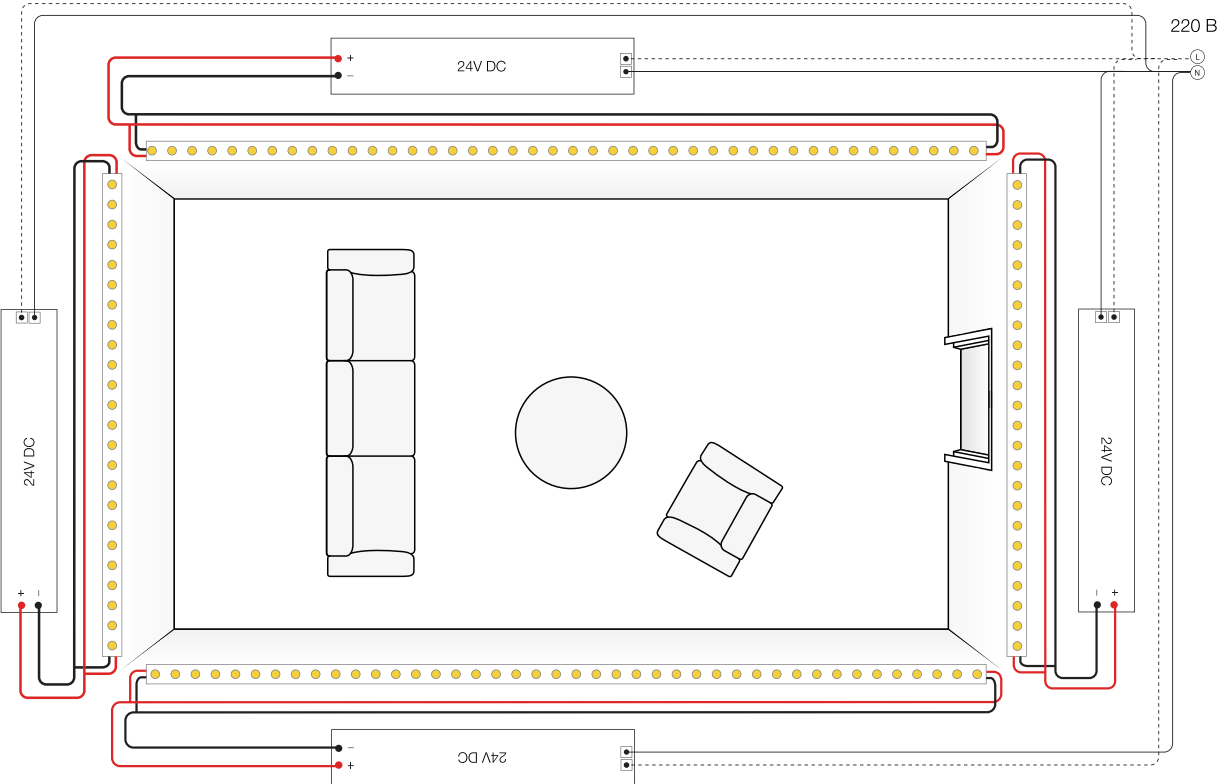
# Instruction of power supply

## 1、 Connect multiple strips to one power supply

⚠ When  $L < 5m$ : connect one end of the strip to the power supply under constant voltage; When  $5m < L < 10m$ : connect dual ends of the strip to the power supply under constant voltage

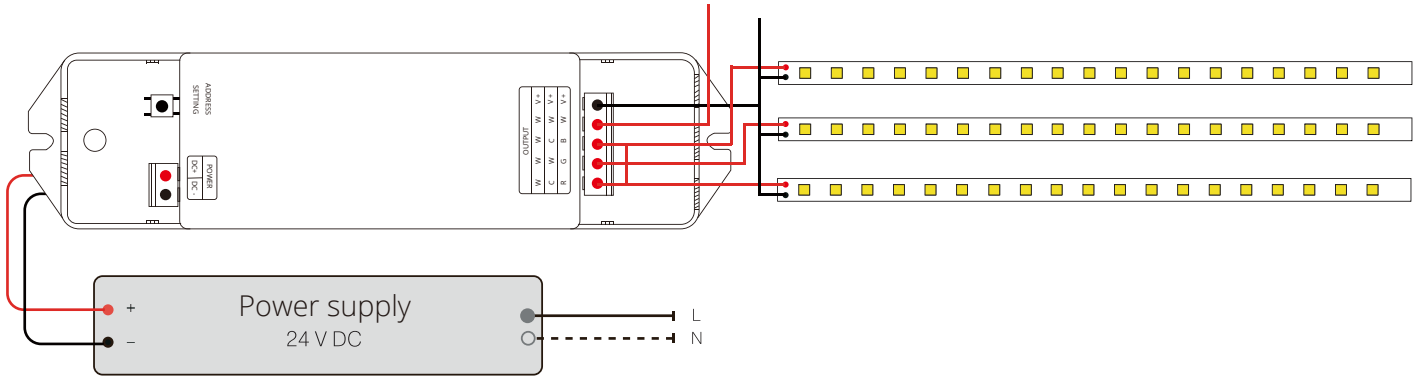


## 2、 Connect multiple strips to multiple power supplies

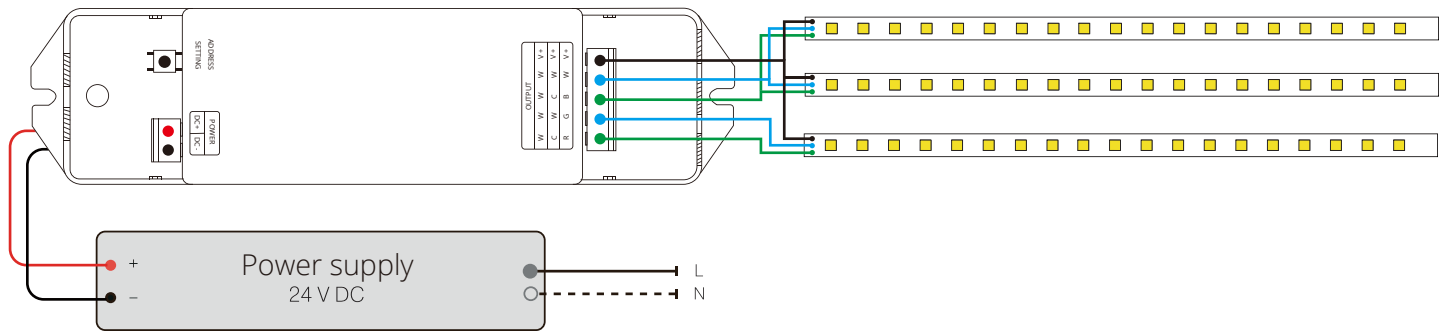


# Instruction of Controller

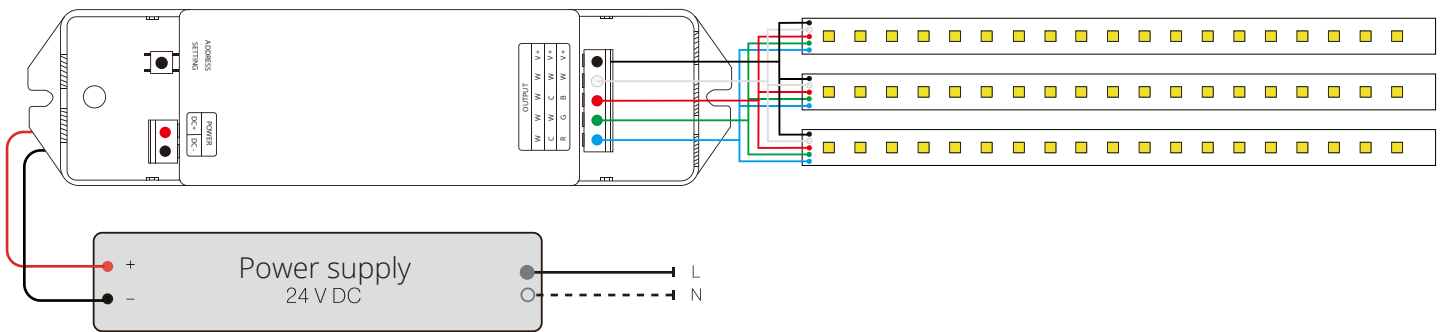
## 1、 Toning controller M4-M4-5A



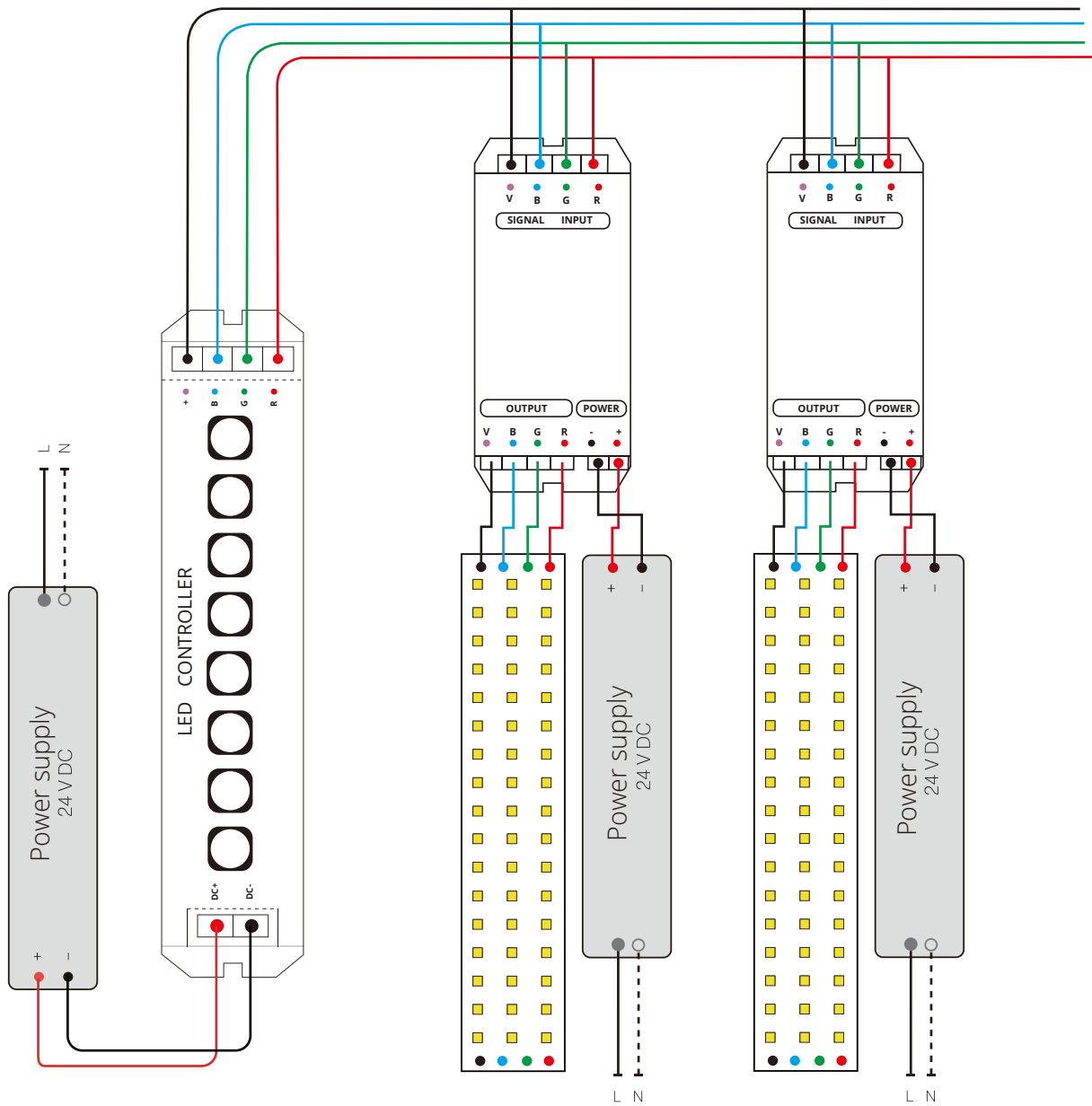
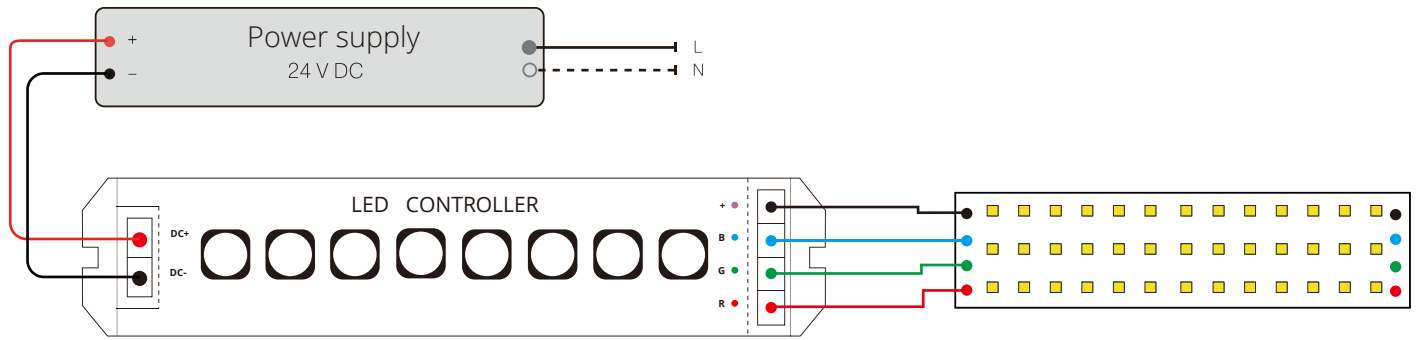
## 2、 CCT controller M2+M4-5A



## 3、 RGBW controller M1+M4-5A

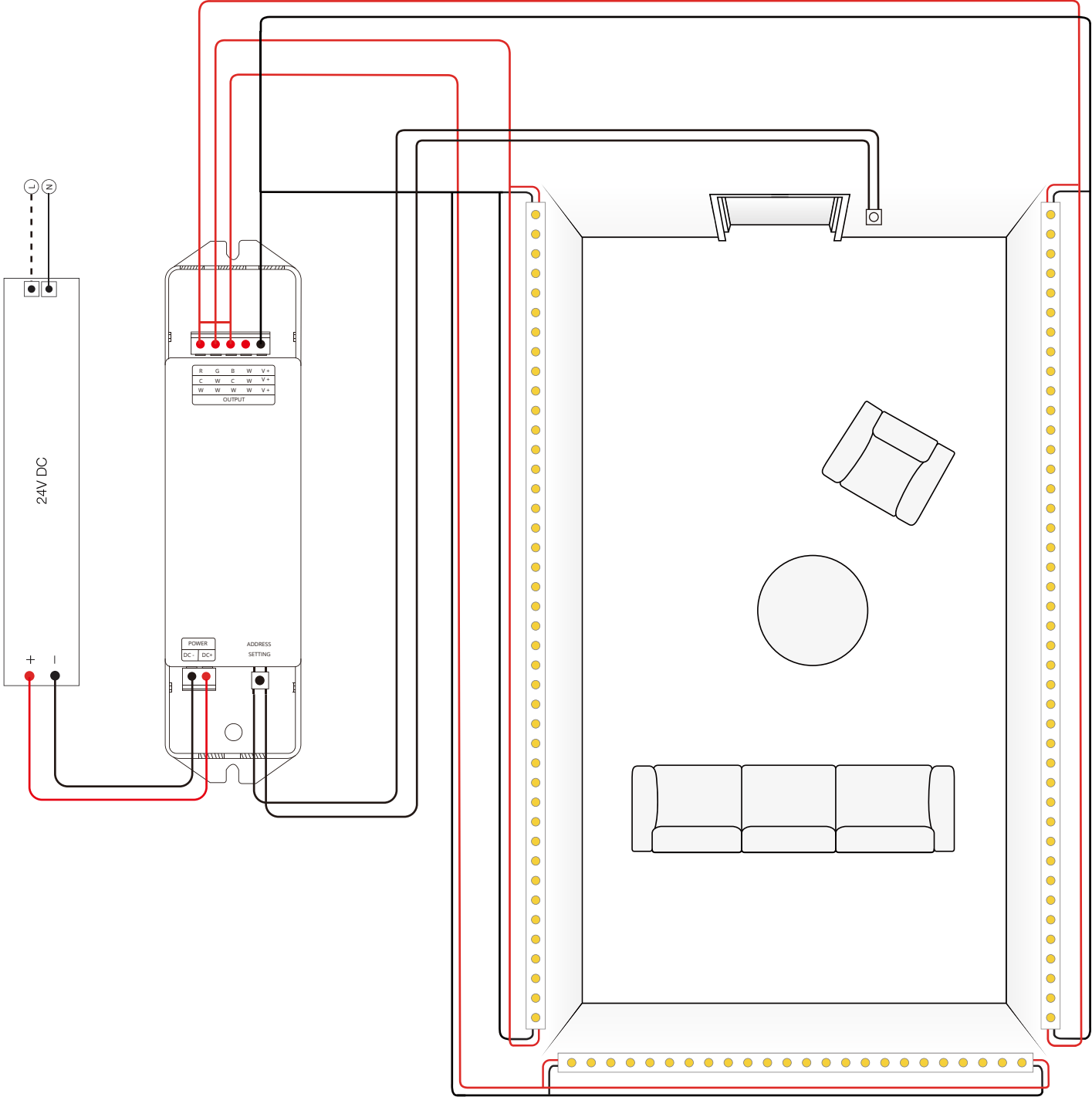


#### 4、 Multifunctional LED controller LT3900-350

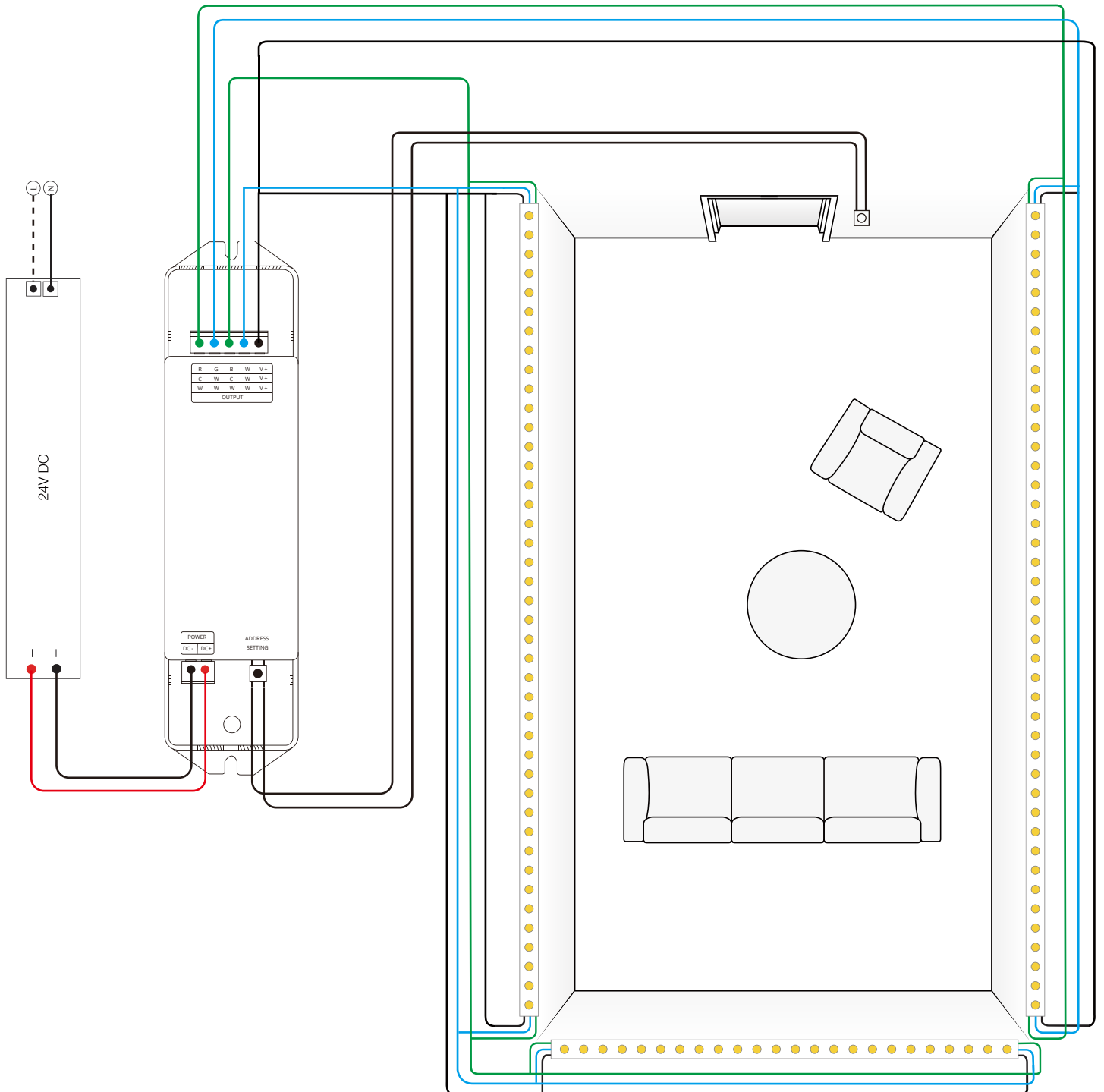


# Applications

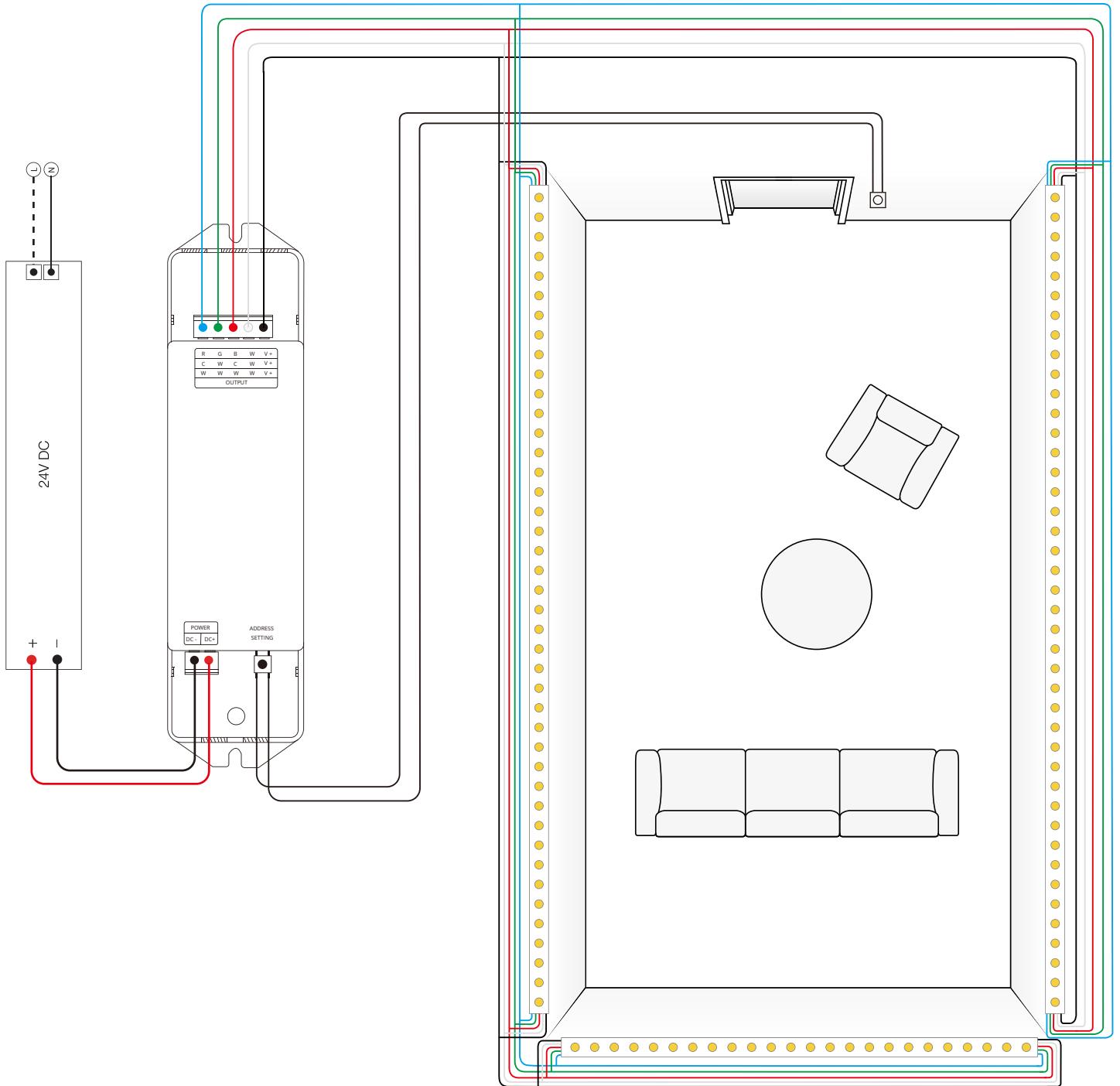
## 1、Toning controller



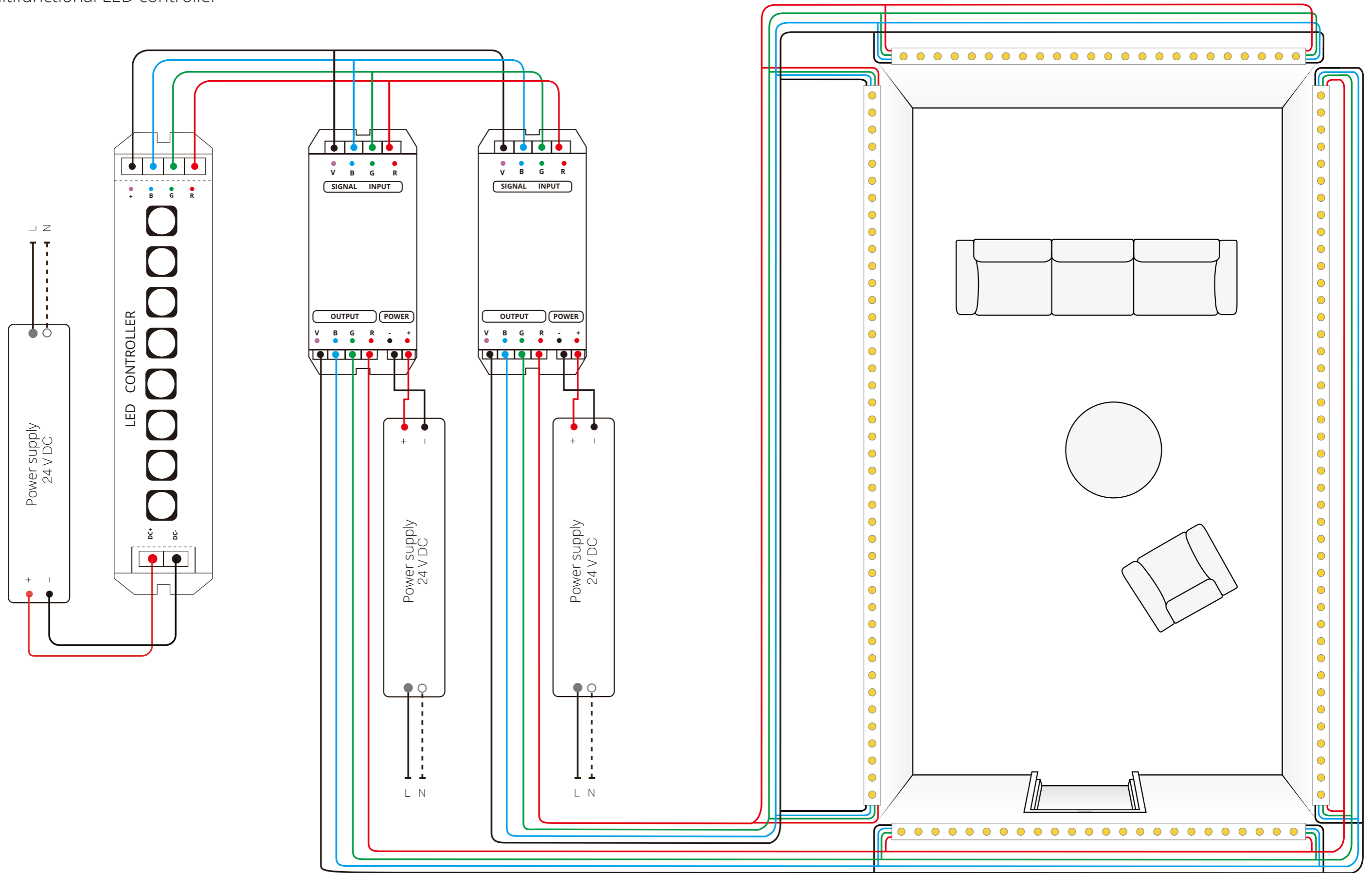
## 2、CCT controller



### 3、RGBW controller



#### 4. Multifunctional LED controller

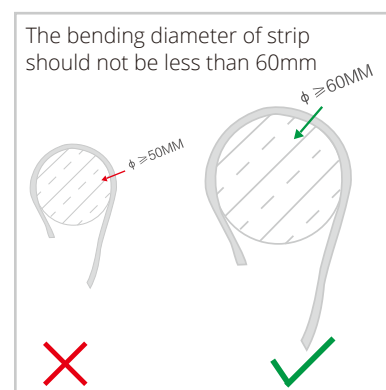
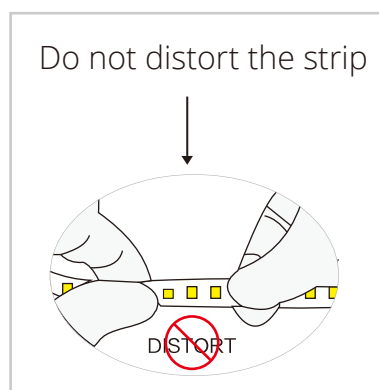
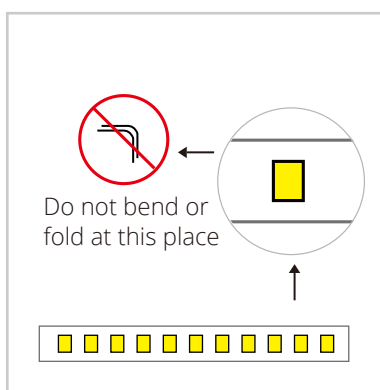




# Precautions

## Installation notes

1. Install in the space without chemicals like sulfur, acid, halogen.
2. The temperature of the application environment should range from -20°C to 45°C.
3. The quality of atmosphere should not be lower than the national secondary standard.
4. The no waterproof strip (IP33) can only be applied in indoors with the humidity no more than 55%.
5. The gel coating strip (IP55) can only withstand a little water for a short time instead of being exposed to the environment with humidity more than 80% for a long time.
6. The silicone tube waterproof strip (IP65) can withstand the influences from atmosphere, but it can only withstand a little water for a short time instead of being exposed to the environment with humidity more than 80% for a long time.
7. The silicone filling waterproof strip (IP67), a product that is suitable for indoors and outdoors, can withstand 1m underwater pressure for a short time if it has been protected well from the extrusion and ultra-violet radiation.
8. The Nano waterproof strip (IP68), a product that is suitable for indoors and outdoors, can withstand 1m under water pressure for a long time if it has been protected well from the extrusion and ultra-violet radiation.
9. To ensure the lighting effect, the power supply of every 5m long strip should be connected to a main power supply.
10. To ensure the long life span of strip, please do not pull the strip or power supply wire hard during installation and using.
11. To ensure the stability and long life span of strip, the bending diameter of strip should not be less than 60mm. The strip cannot be folded to prevent the LED beads from damage.
12. Please make sure the wire is connected to the anode and cathode correctly. The power output should be consistent with the voltage of the strip.
13. To avoid the damaged components caused by surge voltage or unstable current, please use the stable power supply.
14. Please leave 20% margin for the power supply to protect the strip from damage caused by overload.
15. Please make sure the product is well protected during installation and make an appropriate prevention from static.
16. The strip will dissipate heat during using, please make sure it has been placed at a ventilated place.



## Product Warranty

1. A warranty period of three years is provided for products in normal use. For any faults arising during the period that are confirmed to be quality related by inspection of the company, a product of the same model will be replaced for free.
2. The warranty does not cover any of the following:
  - (1). Any product damage due to usage not allowed in the instructions.
  - (2). Any product damage due to disassembling or wrong operations by the user.
  - (3). Severe appearance damage or deformation of the product.

## FAQ

### **Q** Why all the LED beads are not lit?

#### **A** Please check the following item:

1. If the power is on.
  2. If the polarity is connected reversely.
  3. If there is a short circuit in exterior power supply.
  4. If there is a short circuit caused by automatic short-circuit protection for power supply.
  5. If the fuse is burned, if there is, please replace the fuse.
- Please take the appropriate measures to solve the problem if there is any problem listed above.

### **Q** Why some strips are not lit?

#### **A** Please check the following item:

1. If every power supply is on.
  2. If there is an error in circuit.
- If there is, please check the power supply circuit to eliminate the faults.

### **Q** Why there is inconsistent brightness in LED or the LED is not bright enough?

#### **A** Please check the following item:

1. If there is overload in power supply, if yes, please add more power supplies.
2. If there is too much loss in switching power supply circuit, if there is, please thicken the supply wire or make the power supply closer to the strip. Make sure the voltage of per five meter strip is kept above 95% of the rated voltage.
3. If there are too many strips connected in series, if yes, please adjust the numbers of strip to the numbers that can be driven by the power supply.

### **Q** Why the LED flashes?

#### **A** Please check if the connection is in poor contact, if yes, please find out the bad unit.

### **Q** Why some LED beads are not lit?

#### **A** Please check if it is caused by static breakdown, or by the faradic electricity breakdown of equipment, or by electricity leakage, if yes, please make sure the related electrical appliances are connected to the earth wire correctly and replace the LED beads.