DIMON
T E C H N O L O G Y
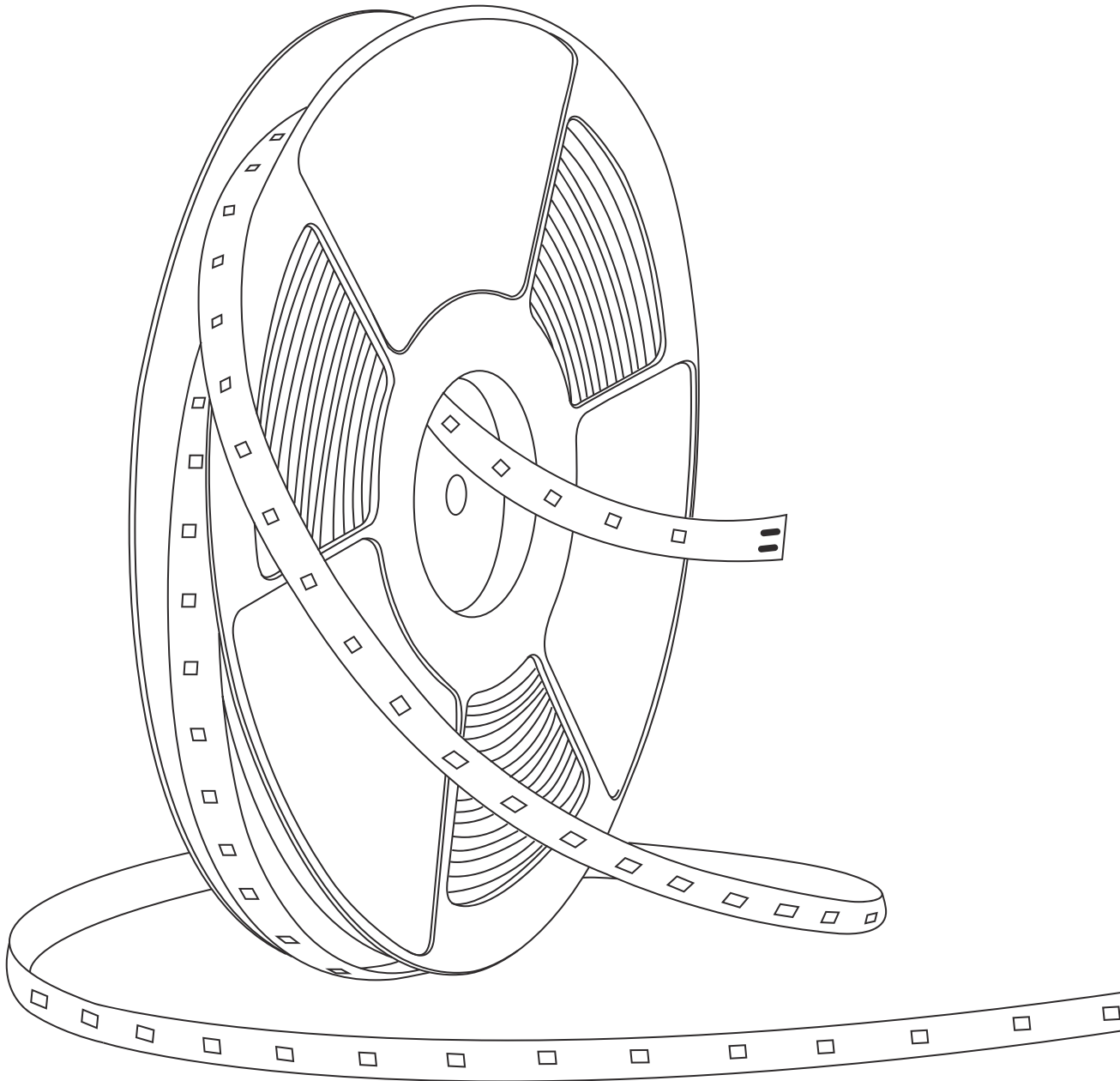
IP67 LED Strip-10meter/ roll

USER MANUAL

Note:
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.
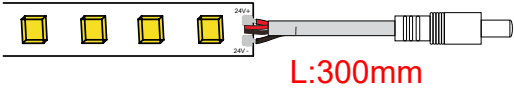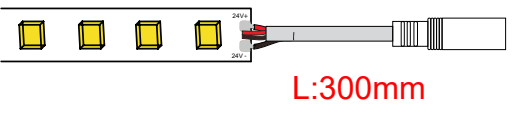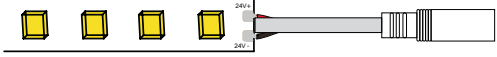
Accessories

Wire Connector IP67

1. Wire

DC male IP67 Connector /DC female IP67 Connector

① Weld or tighten the standard wires

24V+
24V -
L:300mm

24V+
24V -
L:300mm

② Place insulation on the connection

24V+
24V -
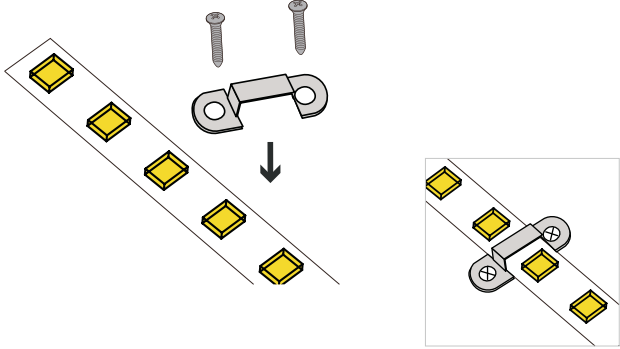
Connect the DC male to the DC female
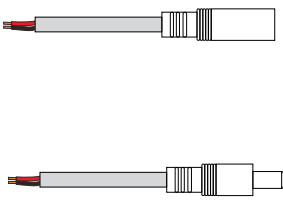
24V+
24V -

→

+24V
-24V

2. Fixed Accessories

Fixed clip

DC male IP67 Connector to the DC female IP67 Connector

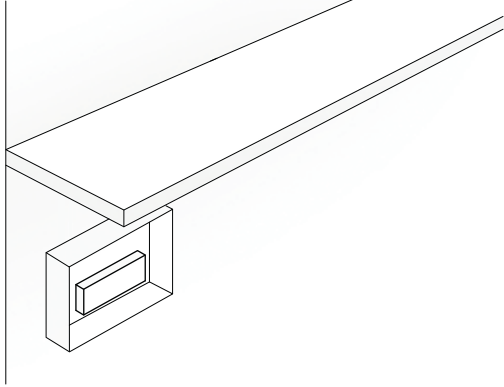tan ar Len th: or 2   or   5
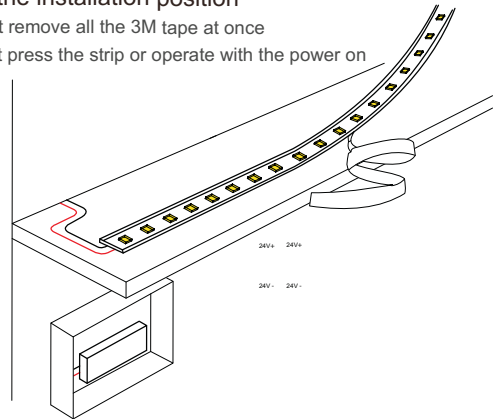
Installation(IP67)

1 Mount the power supply on a right place

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

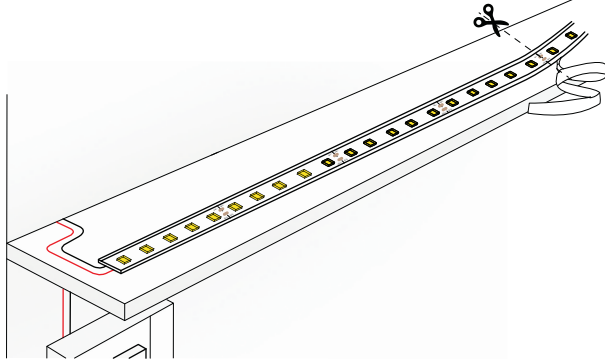**2** Remove the 3M tape from the connection and attach the strip to the installation position

⚠ Do not remove all the 3M tape at once

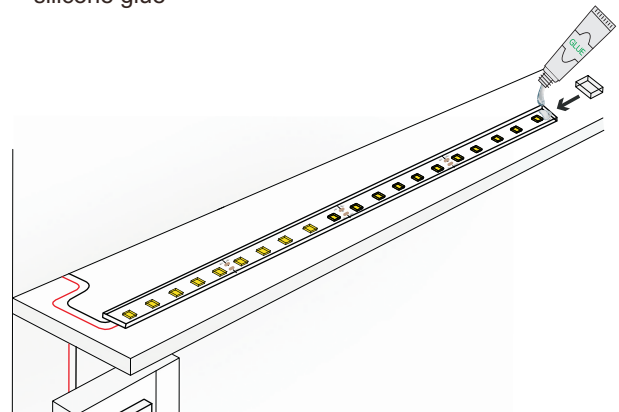⚠ Do not press the strip or operate with the power on

24V+ 24V+

24V - 24V -

3 Cut the strip in accordance with the required length
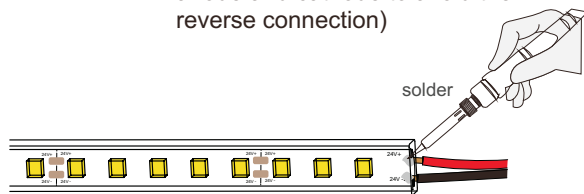
⚠ Cut the strip at the minimum cutting unit
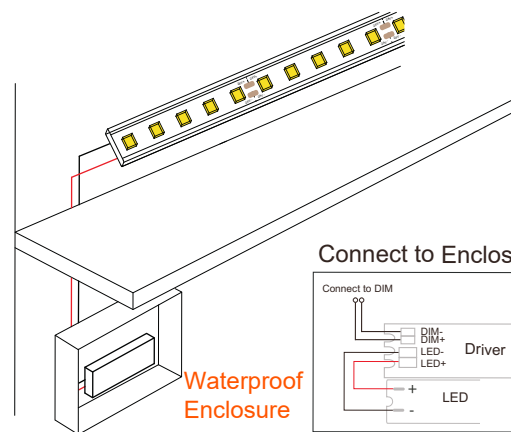
The minimum cutting unit

4 Install the end cap without hole at the end of cutting with silicone glue

4 (If extension connection)Connect the standard wire to the strip by soldering or waterproof connector (for IP67) (Pay attention to the anode and cathode to avoid the reverse connection)

solder

24V+
24V -

5 Connect the standard wire of strip to the power wire

Connect to Enclosure

Connect to DIM

DIM-		GND
DIM+	Driver	AC-N
LED-		AC-L
LED+		
+	LED	
-		

Waterproof Enclosure
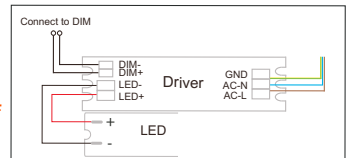
6 Fix the strip on the installation position with clips
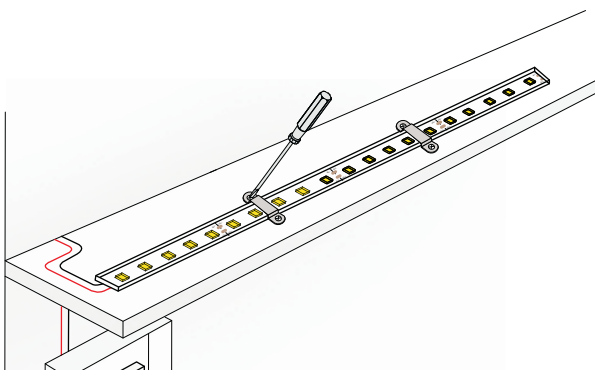
7 Turn on the power to light up the strip

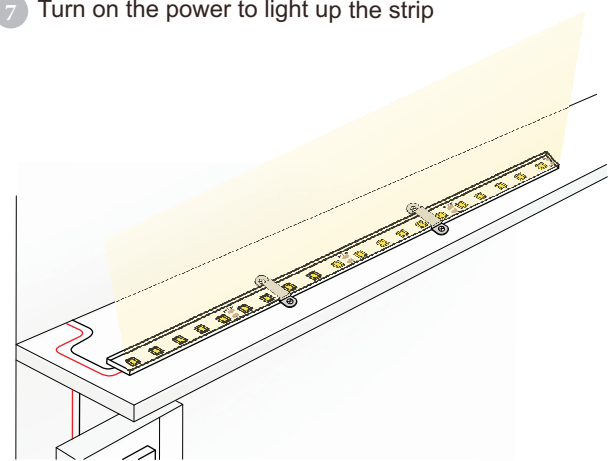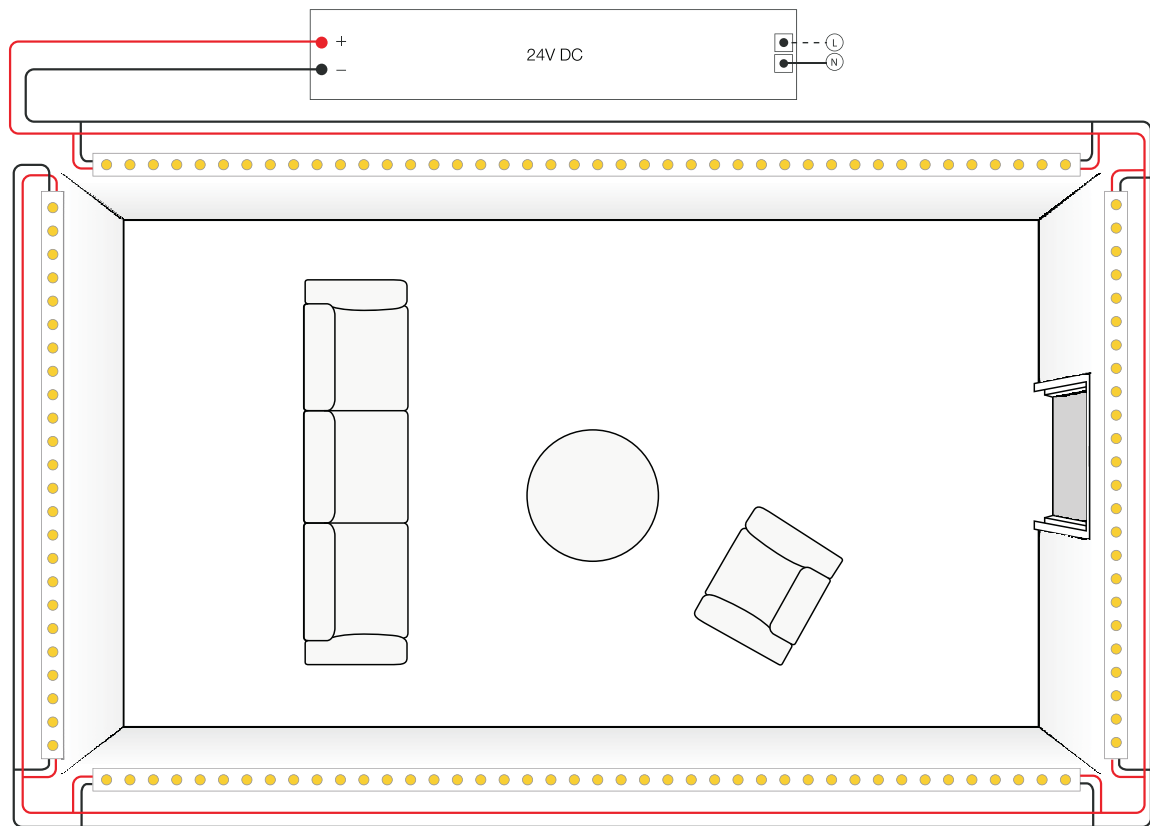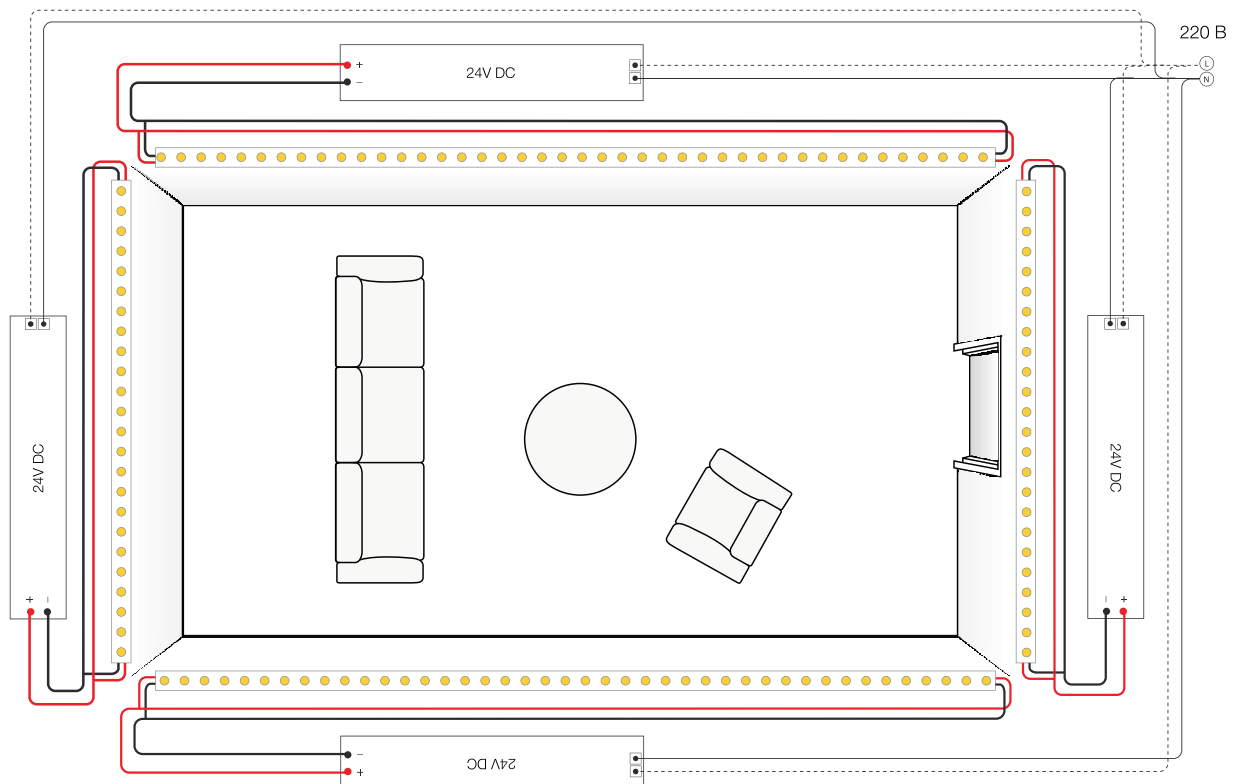# Instruction of power supply

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

24V DC

L
N

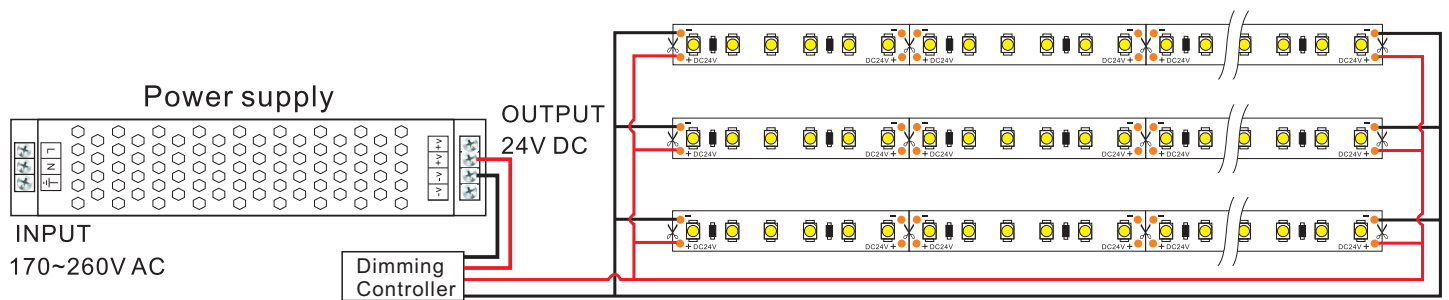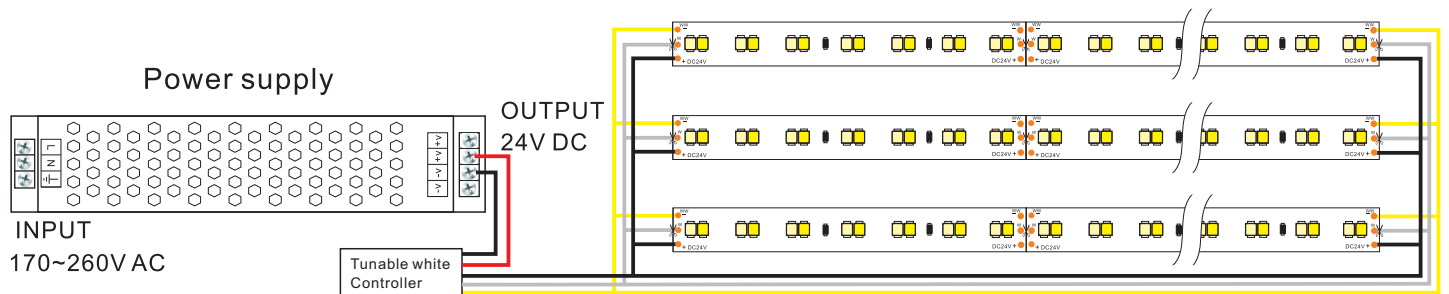## 2. Connect multiple strips to multiple power supplies

220 B

24V DC

L
N

24V DC

24V DC

24V DC

Instruction of Controller

Single color strip (1 channel controller, SMD3528, 180LEDs, 24V, item NO.:LY180-S3528W-W24)

Power supply

OUTPUT
24V DC

INPUT
170~260V AC

Dimming
Controller

Tunable white strip (2channel, SMD2835, 112LEDs, 24V, item NO.: LY112-S2835TW-W24)

Power supply

OUTPUT
24V DC

INPUT
170~260V AC

Tunable white
Controller

RGB color strip (3 channel, SMD5050, 60LEDs, 24V, item NO.:LY60-S5050RGB-W24)

Power supply

OUTPUT
24V DC

INPUT
170~260V AC

RGB
Controller
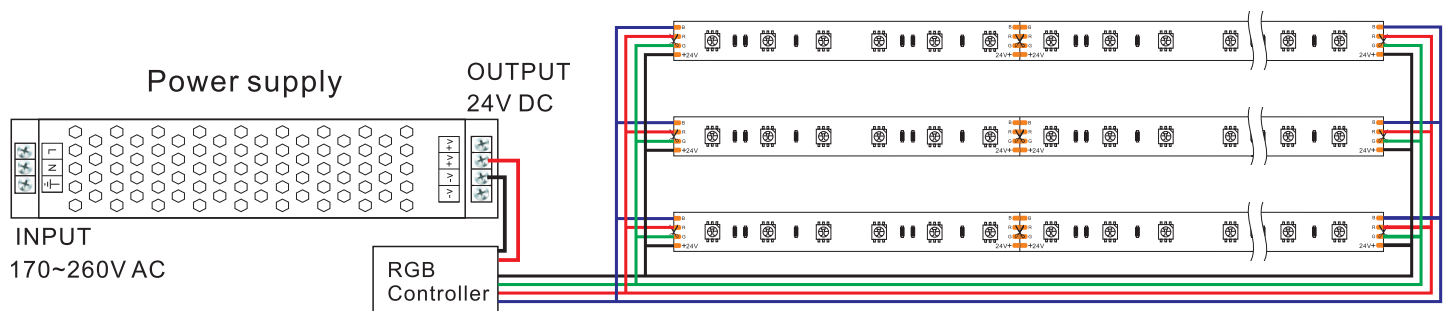
RGBW color strip (4 channel, SMD5050 4 chip in 1 LED, 96LEDs, 24V, item NO.:LY96-LS5050RGBW-W24)

Power supply

OUTPUT
24V DC

INPUT
170~260V AC

RGBW
Controller
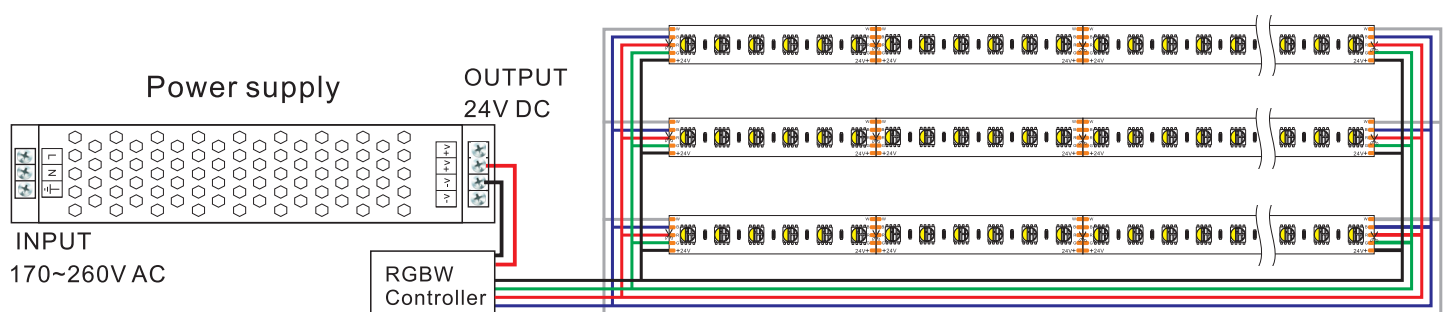
Precautions

Installation notes

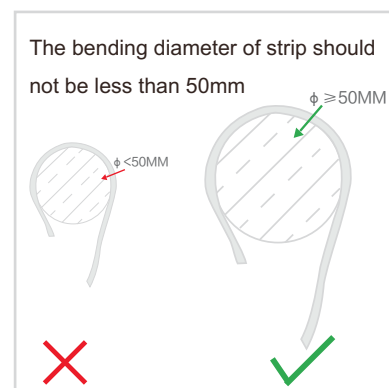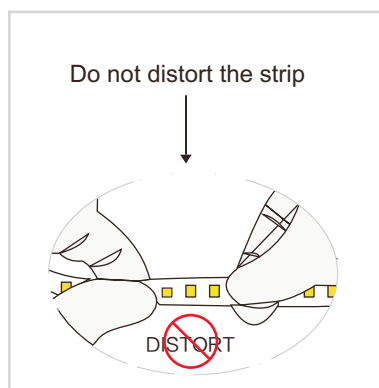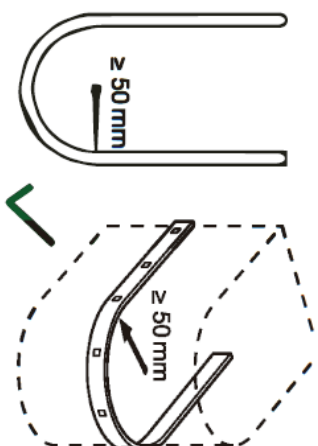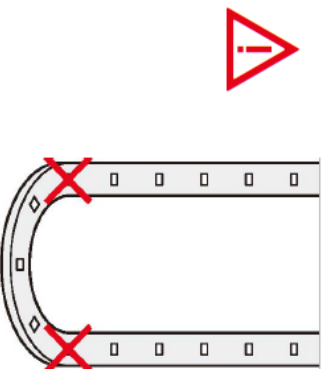1. Install in the space without chemicals like sulfur, acid, halogen.

2. The temperature of the application environment should range from -20℃ to 50℃.

3. The quality of atmosphere should not be lower than the national secondary standard.

4. The non-waterproof strip (IP20) can only be applied in indoors with the humidity no more than 55%.

5. The silicone coting strip (IP65) 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 (IP67) 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 (IP68), 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. To ensure the lighting effect, the power supply of every 5m long strip should be connected to a main power supply.

9. To ensure the long life span of strip, please do not pull the strip or power supply wire hard during installation and using.

10. To ensure the stability and long life span of strip, the bending diameter of strip should not be less than 50mm. The strip cannot be folded to prevent the LED beads from damage.

11. 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.

12. To avoid the damaged components caused by surge voltage or unstable current, please use the stable power supply.

13. Please leave 20% margin for the power supply to protect the strip from damage caused by overload.

14. Please make sure the product is well protected during installation and make an appropriate prevention from static.

15. The strip will dissipate heat during using, please make sure it has been placed at a ventilated place.

16. Do not light up the strip when it is rolled up.

17. LED strip storage environment: Temperature: 22-28°C, Humidity: 35-65%
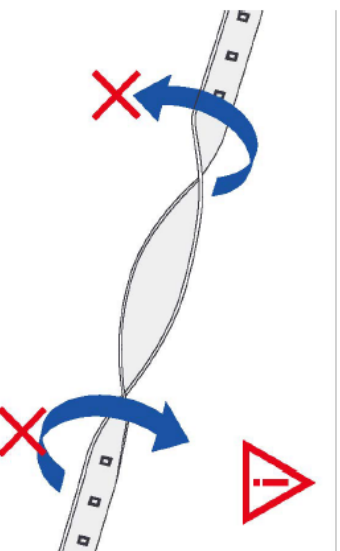

Do not bend or fold at this place
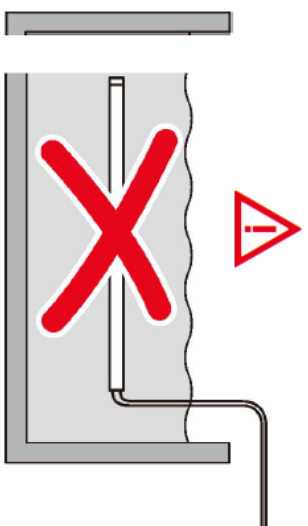

Do not distort the strip

DISTORT

The bending diameter of strip should not be less than 50mm

φ≥50MM

φ<50MM
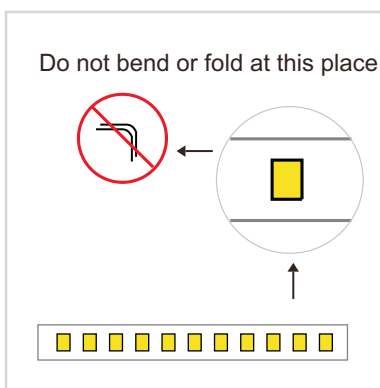
Do not bend **LED Strip light** to a radius less than 50mm(1.97 inches)
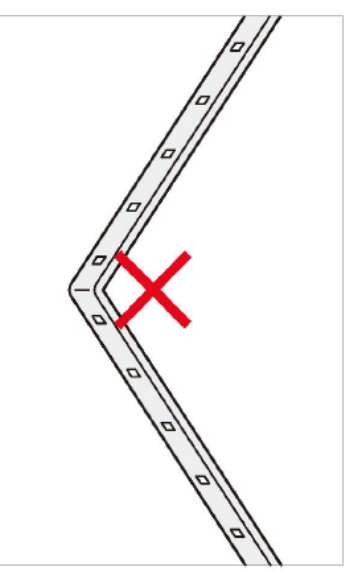
≥ 50 mm

≥ 50 mm

Do not twist LED Strip light like this, and this way will break the LED and bonding pad
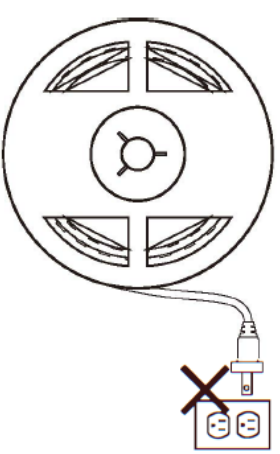
Do not bend LED Strip light like this, and this way will break the LED and bonding pad

Do not use the IP65 Silicon Sleeve LED Strip Under water, and too dangerous

Do not fold or crease LED Strip light, and this way will break the LED and bonding pad

Do not connect directly LED Strip light to AC /DC high voltage power!