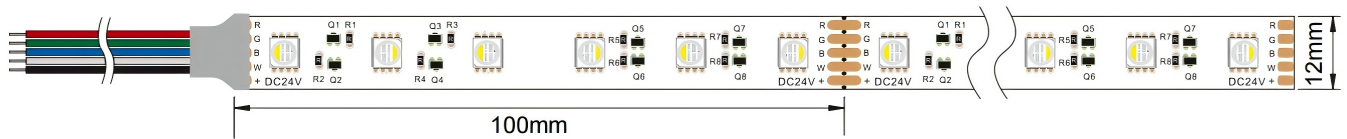




RGBW-SMD5050 4 color in 1 LED-15M/roll-60LED/M-DC24V-12MM

## SPECIFICATION



**60** LED Qty

**24** V Voltage

**12** mm FPC width

**11** w/m Power

### Product features:

- Supports ultra-long continuous connection with no lighting breaks.
- Rich and dynamic colors create diverse atmospheres.
- High brightness output with uniform and soft lighting.
- Energy-efficient and low power consumption for longer lifespan.
- Easy installation and compatible with various control systems.
- Supports synchronized control with smooth color transitions.
- Waterproof and dustproof design for versatile applications.



### Application:

Widely used in hotels, shopping malls, furniture, cabinets, shelves, bars, e-sports game arenas, outdoor lighting landscapes and other scenes, can be used for decorative lighting, direct lighting or indirect lighting



Product parameters:

Basic parameter:

| Color | WL(NM)  | RA | Beam angle | Lumen (lm/m)±5% | Efficiency (lm/W)±5% | Voltage (V DC) | Electric current (mA/m) | Power(W/m) |
|-------|---------|----|------------|-----------------|----------------------|----------------|-------------------------|------------|
| R     | 620-630 | /  | 180°       | 58              | 29                   | 24V            | 83                      | 2          |
| G     | 520-530 | /  | 180°       | 240             | 80                   | 24V            | 125                     | 3          |
| B     | 460-470 | /  | 180°       | 30              | 15                   | 24V            | 83                      | 2          |
| W     | 3000K   | /  | 180°       | 332             | 83                   | 24V            | 167                     | 4          |
| RGBW  | -       | /  | 180°       | 913             | 83                   | 24V            | 458                     | 11         |

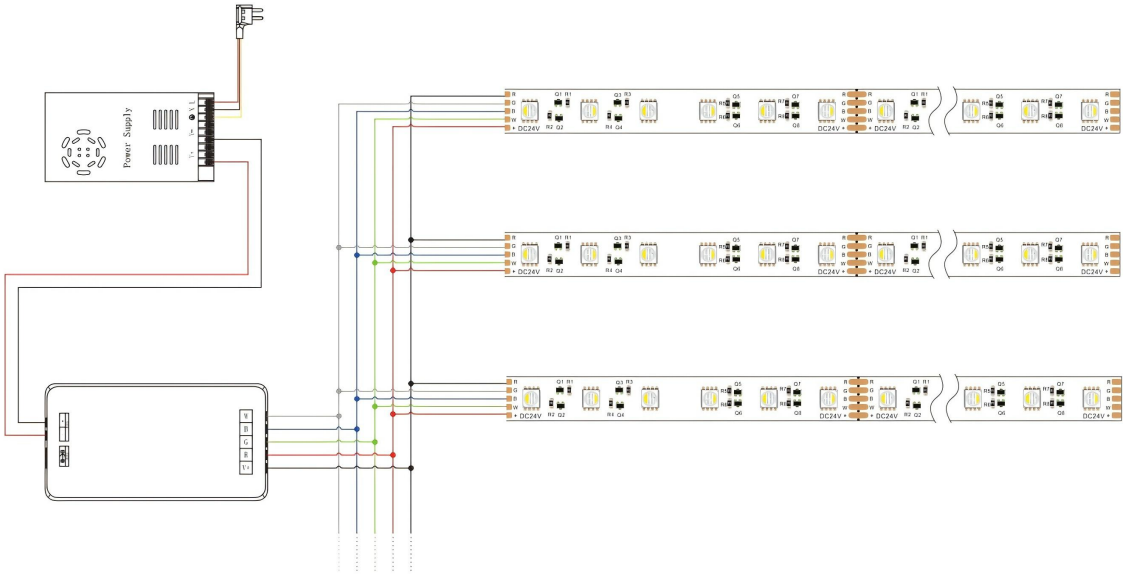
Other parameters:

| IP grade | Working environment | Storage environment | Length (m) | Max connection Length (m) | LED Qty (pcs/m) | N.W (g/Roll) |
|----------|---------------------|---------------------|------------|---------------------------|-----------------|--------------|
| IP20     | -25℃~+45℃           | -30℃~+80℃           | 15         | 15                        | 60              | 210          |

Packaging parameters:

| Packaging material | A roll(m) | A boxful (roll) | Total Qty(m) | size(mm)       | G.W(Kg) |
|--------------------|-----------|-----------------|--------------|----------------|---------|
| Carton             | 15        | 50              | 750          | L570*W240*H280 | 15.75   |

Wiring Diagram:



Processing custom waterproof process:

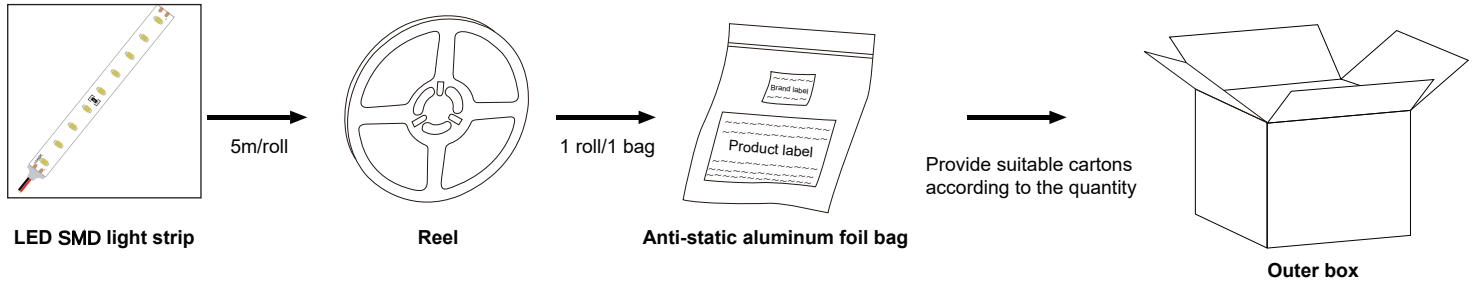


### Contrast of Process

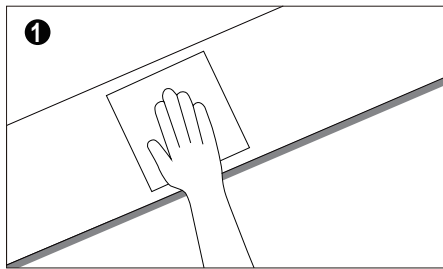
| IP RATING | STRUCTURE                                                                             | FEATURE                                                                             | REMARK                                                                       |
|-----------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| IP20      |    | Non-Waterproof                                                                      | Indoor Use Only                                                              |
| IP54      |    | Nano Coated                                                                         | Thin Film Coating Anti Splash Water Tiny Size Changed (Same Looking as IP20) |
| IP65      |    | Silicone glue Coated Waterproof Suitable for Damp Location                          | Silicone Glue Coating Dropping Anti Splash Water Tiny Size Changed           |
| IP67A     |    | Silicone Extrusion Waterproof Suitable for Short-time Wet Location                  | Extruding Process Suitable for outdoor places without standing water         |
| IP67B     |   | Silicone Tube Waterproof Suitable for Damp Location                                 | Silicone Empty inside Anti Spray Water Tiny Color Shift                      |
| IP67C     |  | Silicone Extrusion Waterproof Suitable for Short-time Wet Location                  | Extruding Process Suitable for outdoor places without standing water         |
| IP67D     |  | U-Tube Instilled Silicone Glue Waterproof Suitable for Short-time Wet Location      | Silicone Glue Coating Suitable for outdoor places without standing water     |
| IP68A     |  | Silicone Tube Injected Silicone Glue Waterproof Suitable for Outdoor and Underwater | 360° Silicone Filling Use for Outdoor and Underwater                         |
| IP68B     |  | Silicone Solid Extrusion Waterproof Suitable for Outdoor and Underwater             | 360° Silicone Filling Use for Outdoor and Underwater                         |

IP code : Ingress Protection Marking, IEC standard 60529

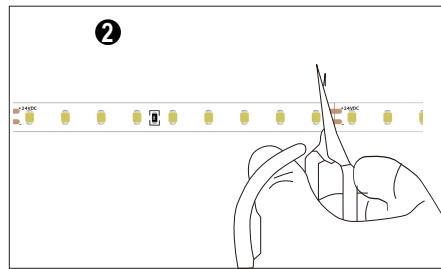
## Package:



## Installation diagram:

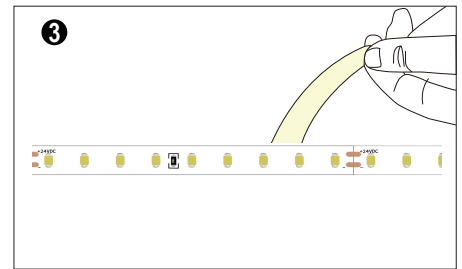


Clean the installation surface

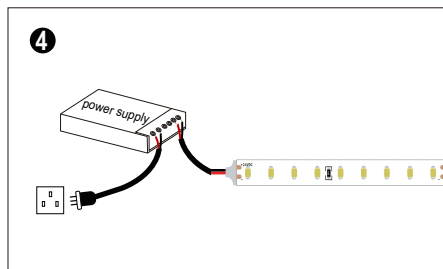


Measure the length you need to install, cut at the nearest scissor mark line.

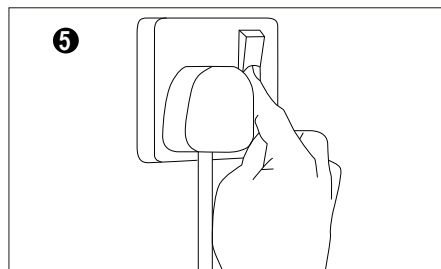
For the left led strip, weld at the next scissor mark to connect with other connection wire.



Tear off the double-sided adhesive tape on the back and paste it in a suitable position



Connect the light strip wire to the driver output port (positive pole to positive pole, negative pole to negative pole)



Turn on the power switch after confirming that the line is connected

## Statements :

- 1). For safety, the product wire should be moved and replaced by the manufacturer, agent or other authorized person.
- 2). Please refer to the product manual before installation.
- 3). Above-refered schematic diagrams are from our standard product. Please subject to your actual product data if there is difference.
- 4). In actual use, we suggest 80% consumption of the driver. Keep 20% as power to start the led strip.
- 5). For safety, no touch the AC terminal.
- 6). Any acidic or alkaline substance is forbidden.
- 7). No notice for updated of this product.

| Problem                                            | Possible reasons                                                                                                                                        | solution                                                                                                                                                                                                                                                                            |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| All fail                                           | <ul style="list-style-type: none"> <li>No power supply</li> </ul>                                                                                       | Give power supply.                                                                                                                                                                                                                                                                  |
|                                                    | <ul style="list-style-type: none"> <li>Automatic switch-off because of the open circuit and short circuit</li> </ul>                                    | Solve the problem, switch on again.                                                                                                                                                                                                                                                 |
|                                                    | <ul style="list-style-type: none"> <li>Wrong connection (positive connect with negative)</li> </ul>                                                     | Check and get right connection.                                                                                                                                                                                                                                                     |
| Part fail                                          | <ul style="list-style-type: none"> <li>Part power-supply fail</li> </ul>                                                                                | Check and make sure the power supply well.                                                                                                                                                                                                                                          |
|                                                    | <ul style="list-style-type: none"> <li>Part circuit error</li> </ul>                                                                                    |                                                                                                                                                                                                                                                                                     |
|                                                    | <ul style="list-style-type: none"> <li>Part wrong connection(positive connect negative)</li> </ul>                                                      | Check and get right connection.                                                                                                                                                                                                                                                     |
| Inconsistent brightness or insuffiscent brightness | <ul style="list-style-type: none"> <li>overload of the driver</li> </ul>                                                                                | Use higher-power driver.                                                                                                                                                                                                                                                            |
|                                                    | <ul style="list-style-type: none"> <li>Too big power consumption of the switch, or unbalanced power consumption from different strip series.</li> </ul> | Keep the strip working voltage is more or less 5% than the Rated voltage.<br>1.shorten the connection cable length, or change to thicker cable.<br>2.Make sure the strip quantity is less than the allowed connection quantity.Keep the led strip quantity of each series similar). |
|                                                    | <ul style="list-style-type: none"> <li>Too many Led strips connection</li> </ul>                                                                        | Adjust the led strip quantity, make sure sufficient power supply.                                                                                                                                                                                                                   |
| LED flash                                          | <ul style="list-style-type: none"> <li>Poor welding connection of wires</li> </ul>                                                                      | Check,find and solve it.                                                                                                                                                                                                                                                            |
|                                                    | <ul style="list-style-type: none"> <li>switch problem</li> </ul>                                                                                        | Change to right switch.                                                                                                                                                                                                                                                             |