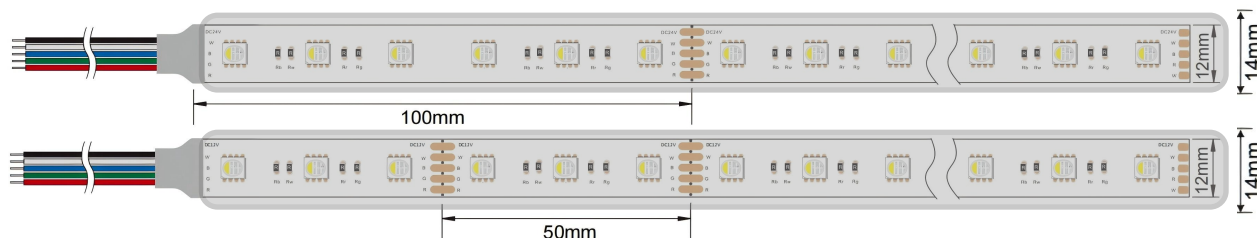




## RGBW-SMD5050 4 in 1-60LED/M-DC12/24V-12MM

### SPECIFICATION



**60** LED  
LED Qty

**12/24** V  
Voltage

**12** mm  
FPC width

**19.2** W/m  
Power

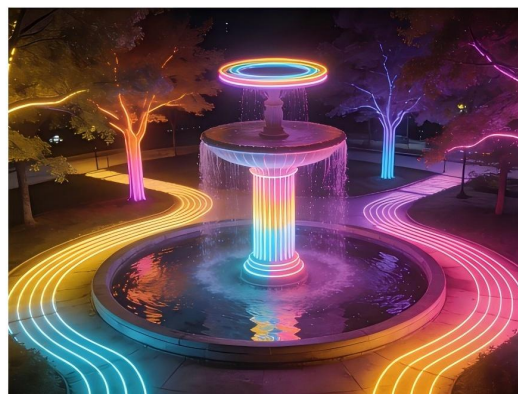
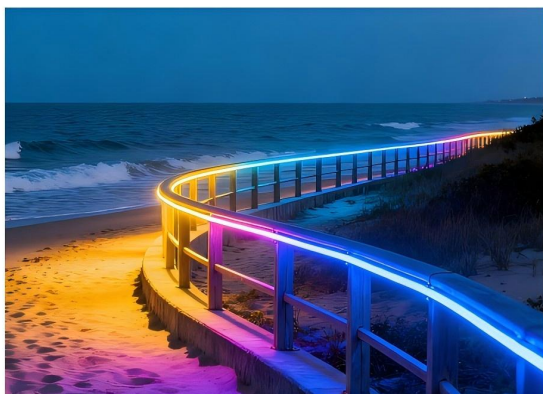
### Product features:

- IP68 fully sealed waterproof design for long-term underwater use
- RGBW four-channel mixing delivers more accurate colors
- Dedicated white channel provides higher brightness
- Uniform light output with no visible LED dots
- Corrosion resistant and aging resistant for outdoor use
- Low voltage power ensures safe and stable operation
- Flexible structure allows easy bending and installation



### Application:

Widely used for direct or indirect lighting in outdoor swimming pools, fountains, yachts, and bathtubs.



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	/	120°	116	29	12/24V	167-333	4
G	520-530	/	120°	480	80	12/24V	250-500	6
B	465-475	/	120°	60	15	12/24V	167-333	4
W	2700-5000K	> 80	120°	431.6	83	12/24V	217-433	5.2
RGBW	-	/	120°	1593.6	83	12/24V	800-1600	19.2

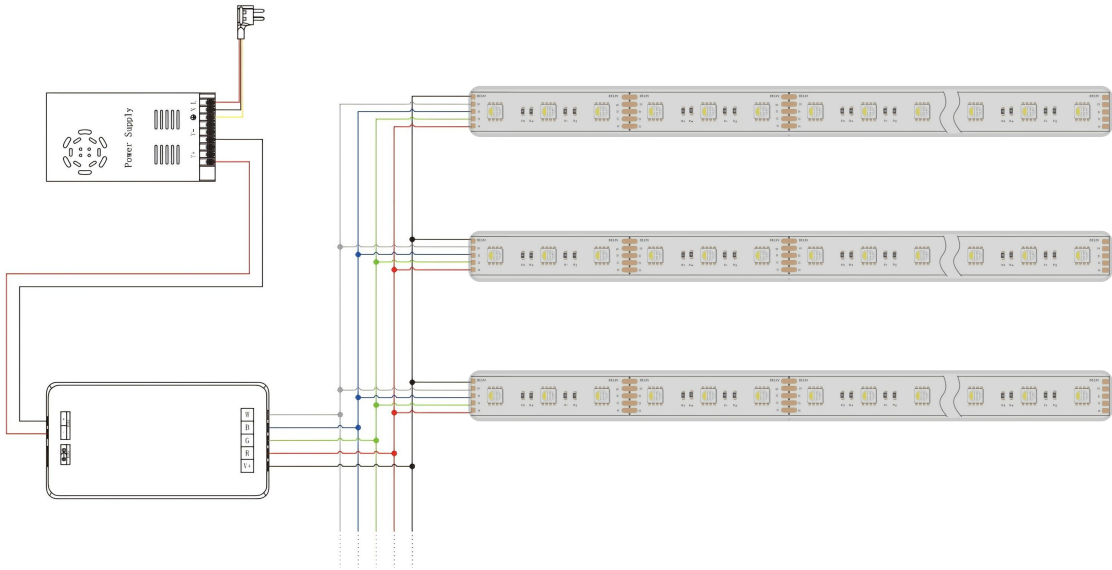
Other parameters:

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 ℃	5	5	60	700


Packaging parameters:

Packaging material	A roll(m)	A boxful (roll)	Total Qty(m)	size(mm)	G.W(Kg)
Carton	5	20	100	L360*W250*H280	14










Wiring Diagram:



Processing custom waterproof process:

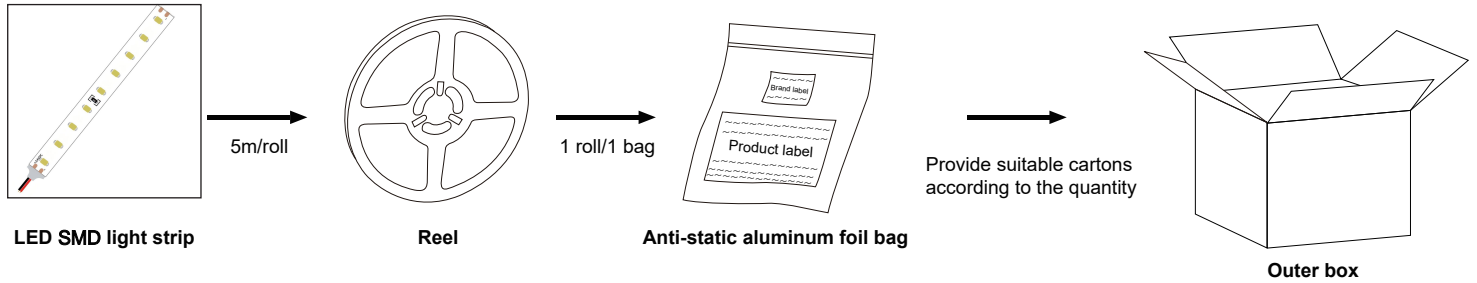


### Contrast of Process

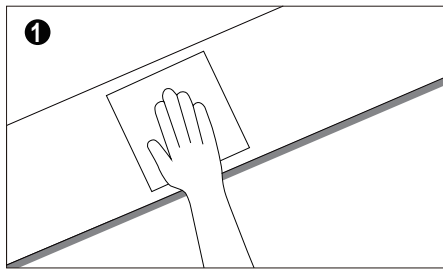
IP RATING	STRUCTURE	FEATURE	REMARK
IP20		Non-Waterproof	Indoor Use Only
IP54		Nano Coated	Thin Film Coating Anti Splash Water Tiny Size Changed (Same Looking as IP20)
IP65		Silicone glue Coated Waterproof Suitable for Damp Location	Silicone Glue Coating Dropping Anti Splash Water Tiny Size Changed
IP67A		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

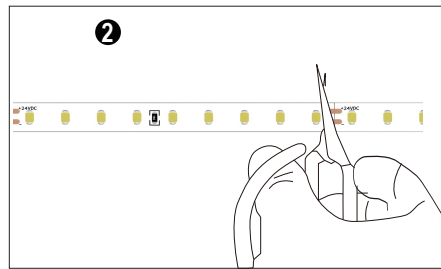
## Package:



## Installation diagram:

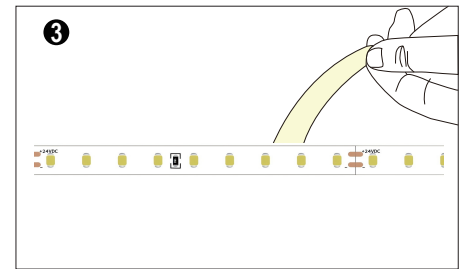


Clean the installation surface

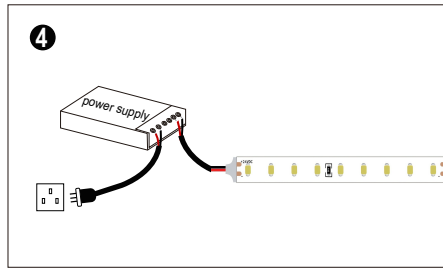


Measure the length you need to install, cut at the nearest scissor mark line.

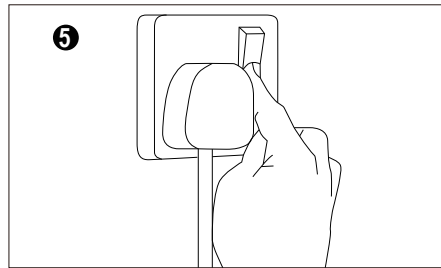
For the left led strip, weld at the next scissor mark to connect with other connection wire.



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. 1.shorten the connection cable length, or change to thicker cable. 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.