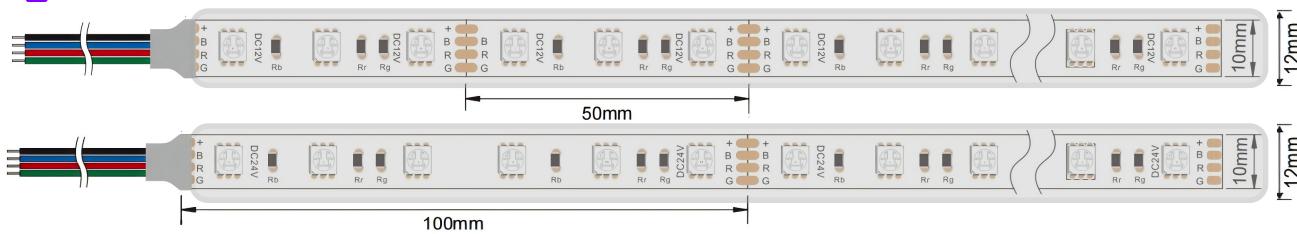




RGB-SMD5050-60LED/M-DC12/24V-10MM

SPECIFICATION



60.
LED Qty

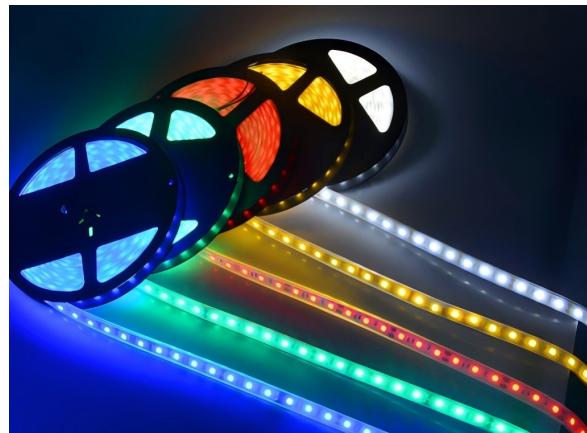
12/24.
Voltage

10.
FPC width

14.4.
Power
w/m

Product features:

- IP68 waterproof design supports long-term underwater operation
- Fully silicone-encapsulated structure resists moisture and corrosion
- SMD RGB LEDs provide uniform color mixing and vivid output
- Supports multiple colors and dynamic lighting effects
- 12V 24V low-voltage input ensures safe and reliable operation
- Flexible strip allows easy bending and simple installation
- Suitable for underwater outdoor and harsh environment lighting



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°	98.6	29	12/24V	142-283	3.4
G	520-530	/	120°	480	80	12/24V	250-500	6
B	465-475	/	120°	75	15	12/24V	208-417	5
RGB	-	/	120°	547.2	38	12/24V	600-1200	14.4

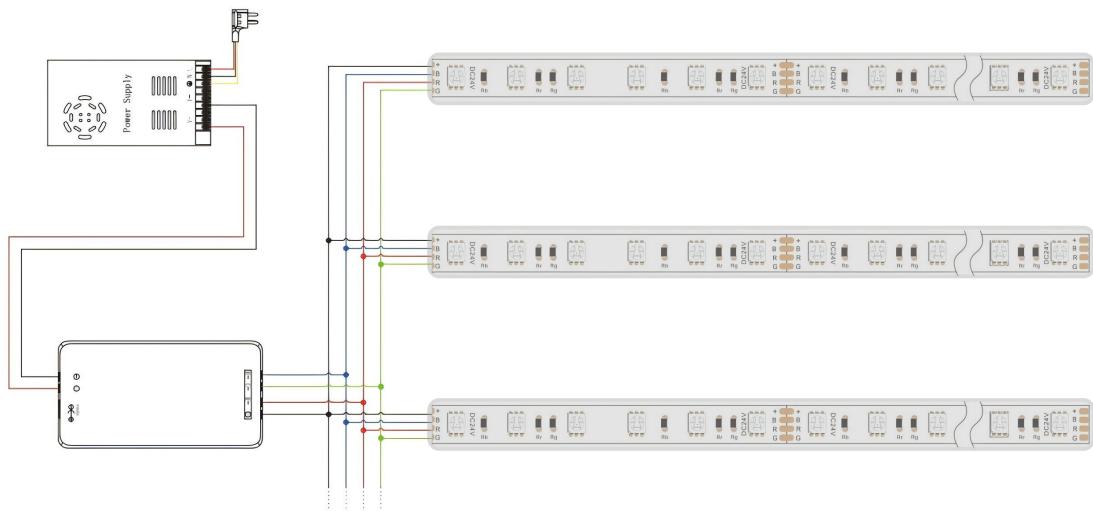
Other parameters:

IP grade	Working environment	Storage environment	Length (m)	Max connection Length (m)	LED Qty (pcs/m)	N.W (g/Roll)
IP68	-25°C~+45°C	-30°C~+80°C	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:





QUALITY



HONESTY



SERVE

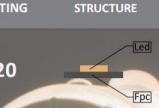


INNOVATION

Processing custom waterproof process:



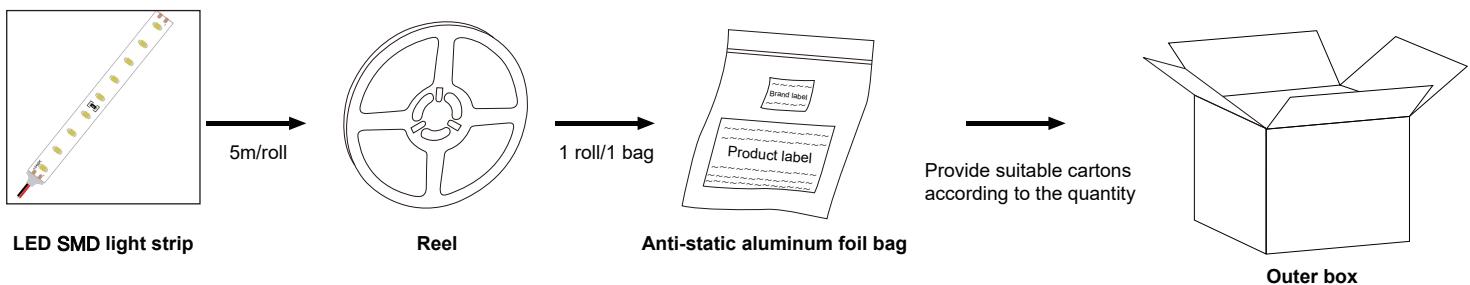
Contrast of Process

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 Dripping 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

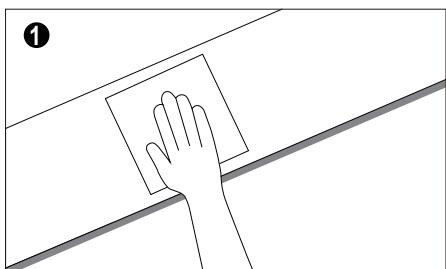
IP code : Ingress Protection Marking, IEC standard 60529

07
08

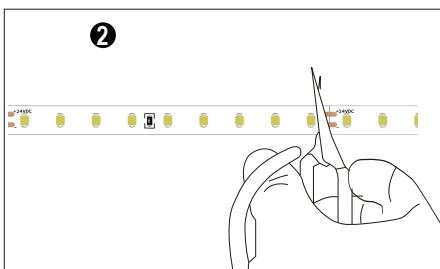
Package:



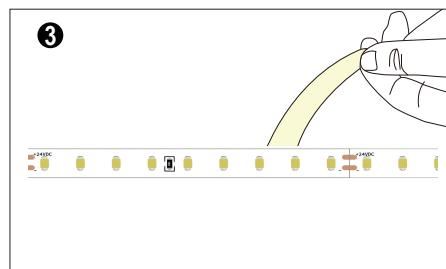
Installation diagram:



Clean the installation surface

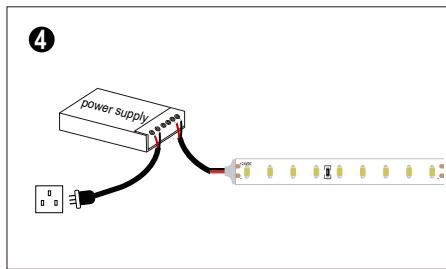


Measure the length you need to install, cut at the nearest scissor mark line.

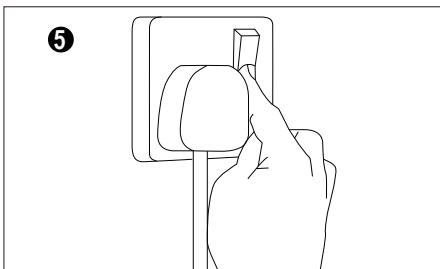


Tear off the double-sided adhesive tape on the back and paste it in a suitable position

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



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.



QUALITY



HONESTY



SERVE



INNOVATION

Problem	Possible reasons	solution
All fail	● No power supply	Give power supply.
	● Automatic switch-off because of the open circuit and short circuit	Solve the problem, switch on again.
	● Wrong connection (positive connect with negative)	Check and get right connection.
Part fail	● Part power-supply fail	Check and make sure the power supply well.
	● Part circuit error	
	● Part wrong connection(positive connect negative)	Check and get right connection.
Inconsistent brightness or insufficient brightness	● overload of the driver	Use higher-power driver.
	● Too big power consumption of the switch, or unbalanced power consumption from different strip series.	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).
	● Too many Led strips connection	Adjust the led strip quantity, make sure sufficient power supply.
LED flash	● Poor welding connection of wires	Check,find and solve it.
	● switch problem	Change to right switch.