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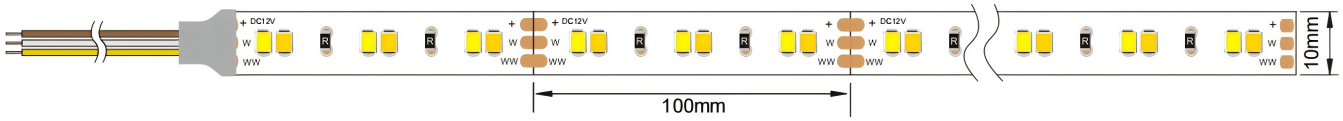
SMD5050-2in1-60LEDs-DC12V-10MM

SPECIFICATION



60 m	12 V	10 mm	19.2 W/m
LED Qty	Voltage	FPC width	Power

Product features:

- Long lifespan with low maintenance requirements over time.
- Flexible to install, can be bent or cut for various applications.
- Provides soft, even illumination with no glare and no flickering.
- High color rendering restores objects' true and vivid appearance.
- Energy-efficient performance helps reduce long-term electricity costs.
- Compatible with multiple controllers and supports smart dimming systems.
- Adjustable between warm and cool white to create different lighting atmospheres .

180° Beam angle | CE | RoHS | Dimmable | 5 Years Warranty | IP20

Application:

Widely used in hotels, shoppingmalls, furniture, cabinets, shelf as decoration lighting, direct lighting or indirect lighting

Product parameters:

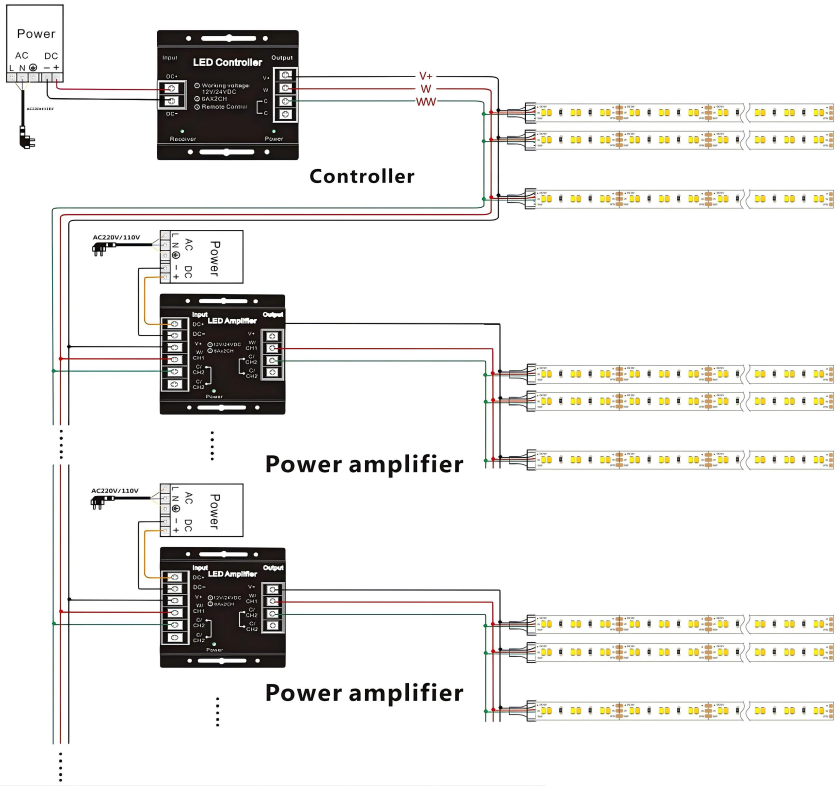
General parameters	
Product Model	GL-R1000TF-60x50D-ADJ 5050 60leds/meter(WW+CW 2 in 1 led) Color temperature adjustable/dimmable
Color	WW,CW
CCT(K)	2700K~6000K
CRI	Ra＞80
Beam angle	120°
Cut Distance	100mm

Environmental test parameters	
IP grade	IP20
Working environment	-25℃~+45℃
Storage environment	-30℃~+80℃
Max connection Length	5m

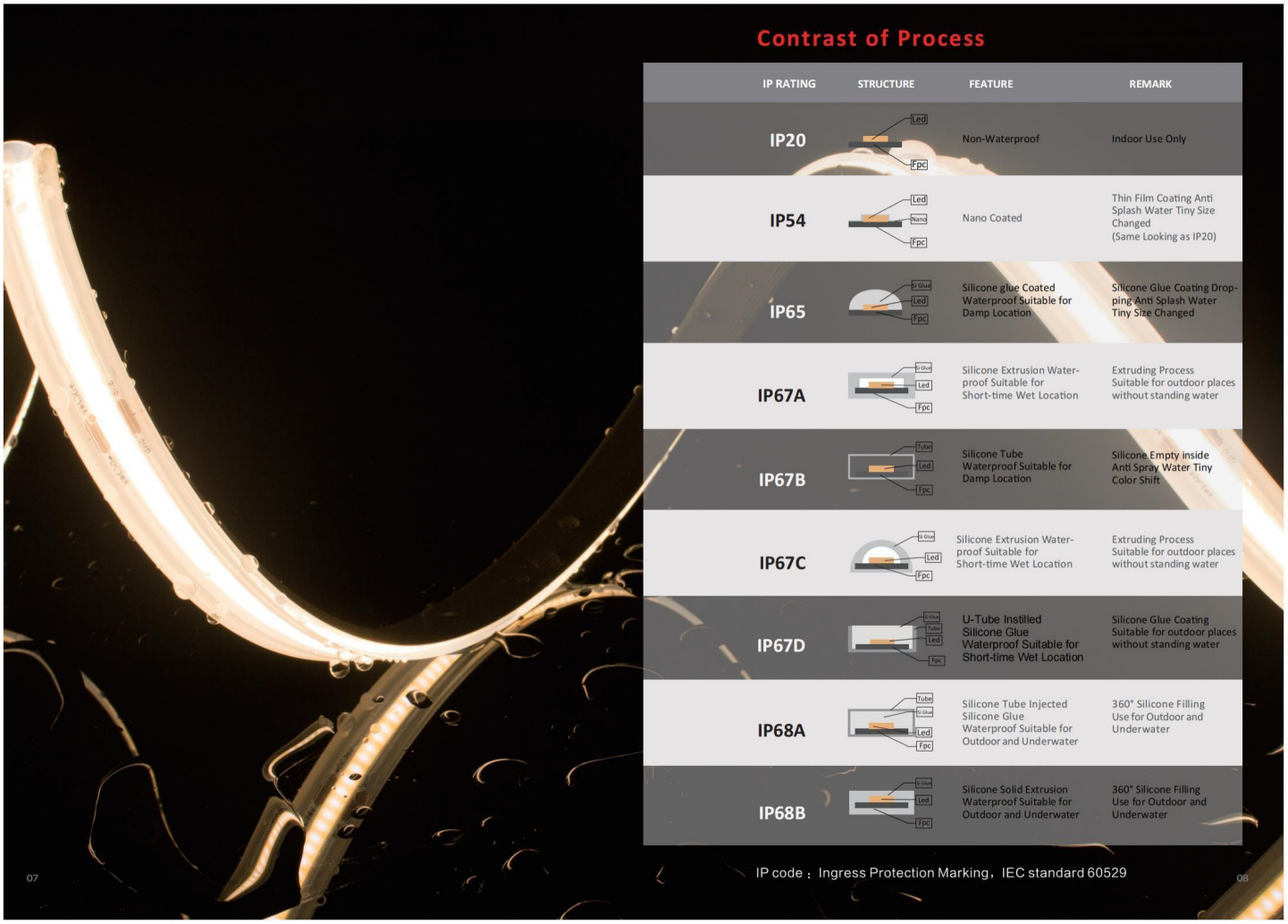
Performance parameters	
Lumen(±5%)	1728lm/m
Efficiency(±5%)	90lm/W
Voltage	DC12V
Electric current	1600mA/m
Power	19.2W/m

Packaging parameters	
A roll	5m
N.W(Roll)	110g
Qty/Carton	500m-100roll
Packing size(mm)	L410*W410*H300
G.W	9Kg

Wiring Diagram:



Processing custom waterproof process:

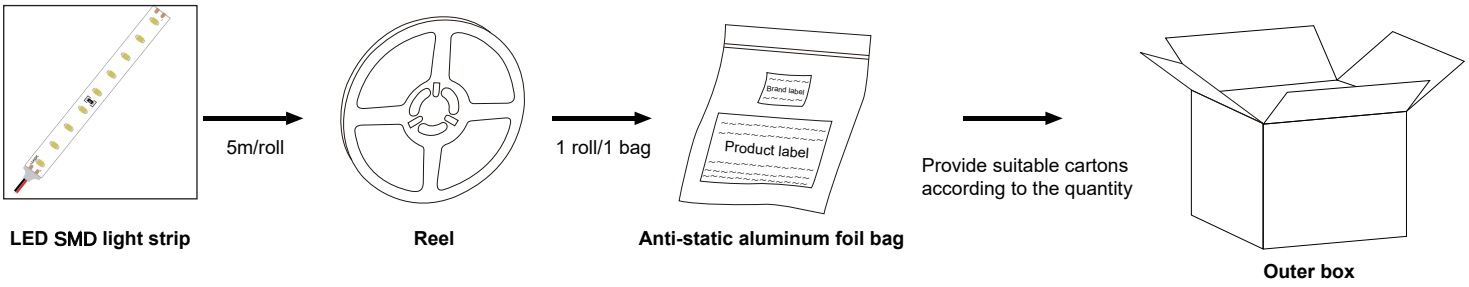


Contrast of Process

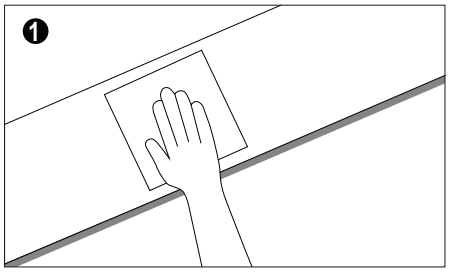
IP RATING	STRUCTURE	FEATURE	REMARK
IP20	Led, Fpc	Non-Waterproof	Indoor Use Only
IP54	Led, Nano, Fpc	Nano Coated	Thin Film Coating Anti Splash Water Tiny Size Changed (Same Looking as IP20)
IP65	Si Glue, Led, Fpc	Silicone glue Coated Waterproof Suitable for Damp Location	Silicone Glue Coating Dropping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

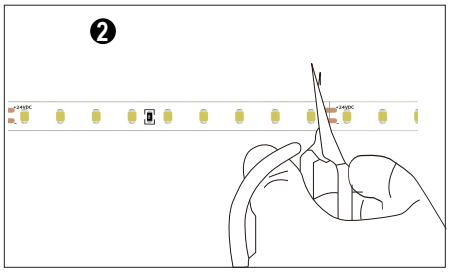
Package:



Installation diagram:

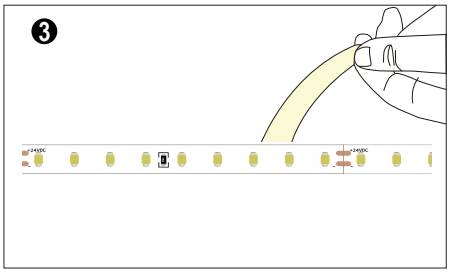


Clean the installation surface

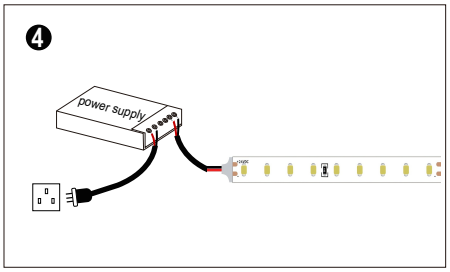


Measure the length you need toinstall, cut at the nearest scissor mark line.

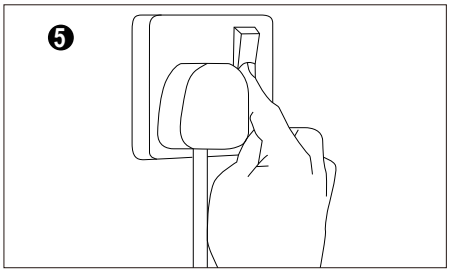
For the left led strip, weld at the next scissor mark to connect with other connection wire.



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	● 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 insuffiscent 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.