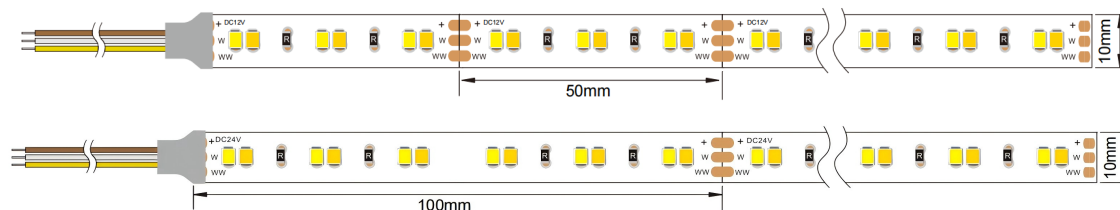


**SMD2835-120LEDs-DC12/24V-10MM****SPECIFICATION**

**120** m  
LED Qty

**12/24** v  
Voltage

**10** mm  
FPC width

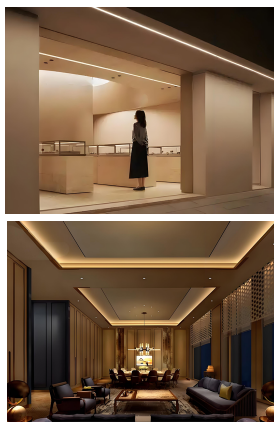
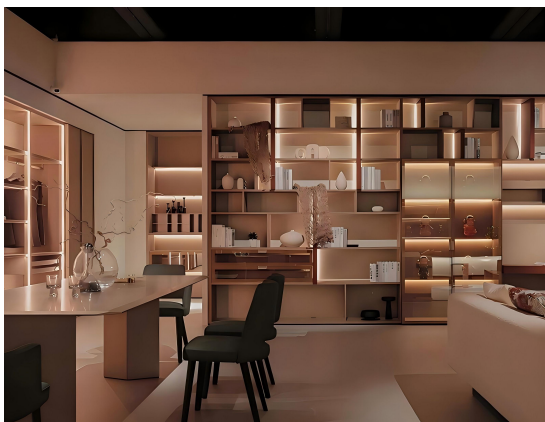
**24** W/m  
Power

**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 .

**Application:**

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



## Product parameters:

### General parameters

|               |                                                                                               |
|---------------|-----------------------------------------------------------------------------------------------|
| Product Model | GL-R1000TF-120×28B-ADJ<br>2835 120leds/meter(WW+CW)<br>Color temperature adjustable/diammable |
| Color         | WW,CW                                                                                         |
| CCT(K)        | 2700K~6000K                                                                                   |
| CRI           | Ra > 80                                                                                       |
| Beam angle    | 120°                                                                                          |
| Cut Distance  | 12V 50mm/24V 100mm                                                                            |

### Environmental test parameters

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

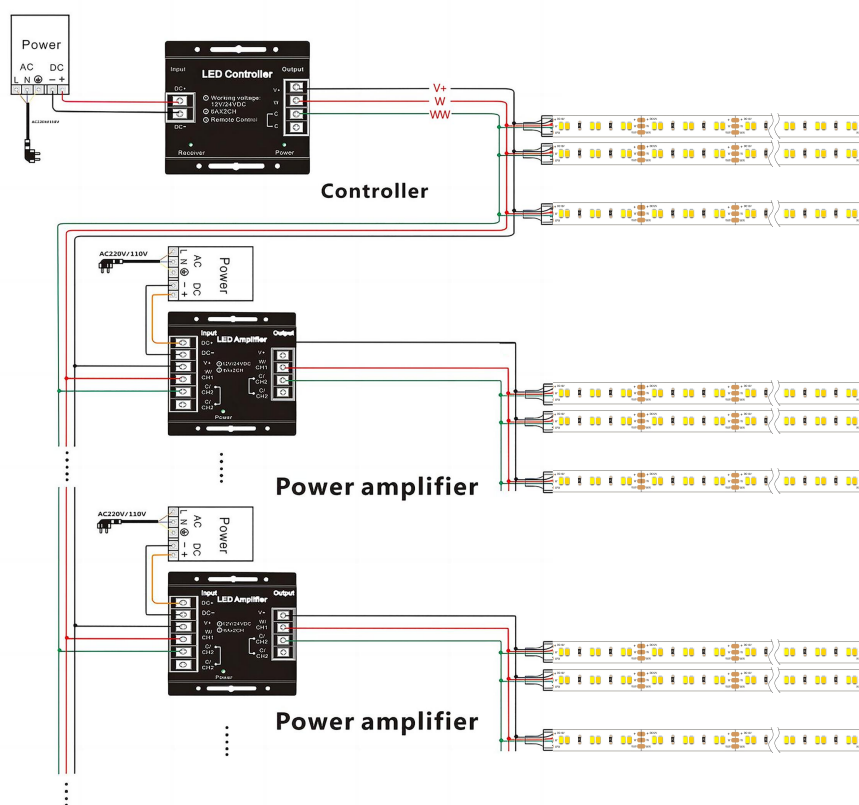
### Performance parameters

|                  |               |
|------------------|---------------|
| Lumen(±5%)       | 1680lm/m      |
| Efficiency(±5%)  | 70lm/W        |
| Voltage          | DC12V/24V     |
| Electric current | 1000/2000mA/m |
| Power            | 24W/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

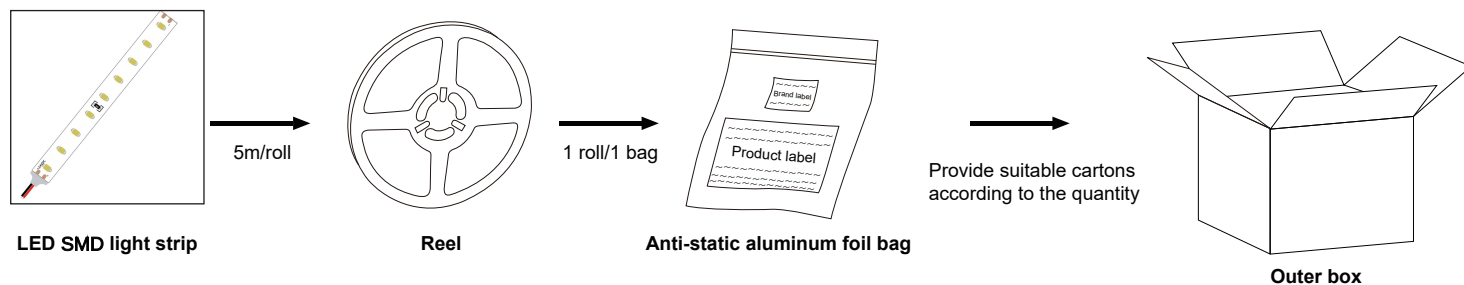
| IP RATING | STRUCTURE                                                                             | FEATURE                                                                             | REMARK                                                                       |
|-----------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| IP20      |    | 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 Installed 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

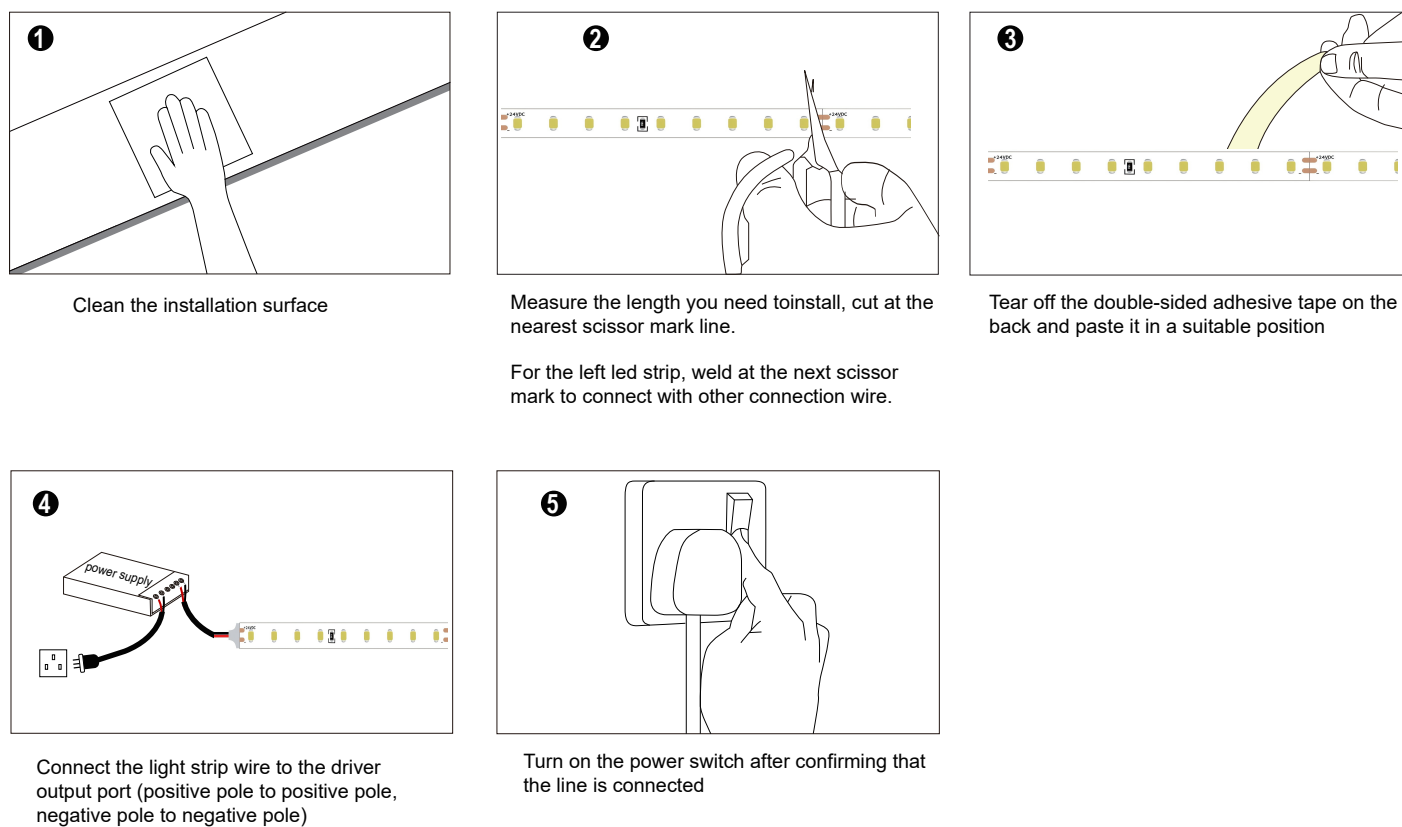
07

08

## Package:



## Installation diagram:



## 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.                                                                                                                                                                                                                                                             |