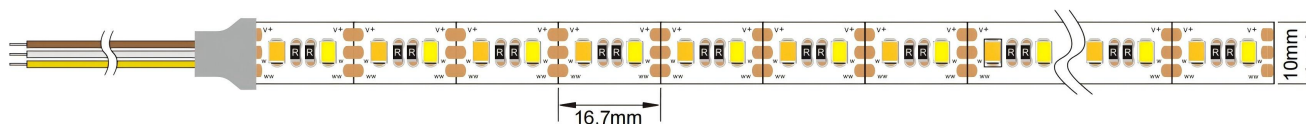


**SMD2835-120LEDs-DC12V-10MM-Dual color****SPECIFICATION**

**120<sub>m</sub>**  
LED Qty

**12<sub>v</sub>**  
Voltage

**10<sub>mm</sub>**  
FPC width

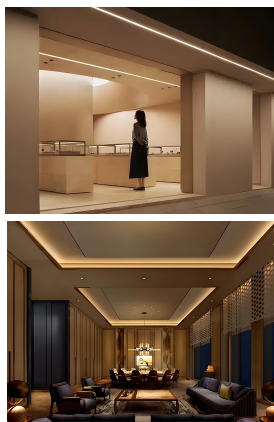
**14<sub>W/m</sub>**  
Power

**Product features:**

- Mini size design, perfect for narrow spaces.
- Freely cuttable for flexible installation.
- High brightness with uniform lighting.
- Low power consumption, energy-saving and durable.
- Low heat generation for stable and safe operation.
- Available in multiple color temperatures for various uses.
- Works with aluminum profiles for better cooling and aesthetics.

**Application:**

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



Product parameters:

General parameters

|               |                                               |
|---------------|-----------------------------------------------|
| Product Model | GL-R1000TFMN-120×28-ADJ<br>2835 120leds/meter |
| Color         | WW,CW                                         |
| CCT(K)        | 3000K~6000K                                   |
| CRI           | Ra > 90                                       |
| Beam angle    | 120°                                          |
| Cut Distance  | 16.7mm                                        |

Environmental test parameters

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

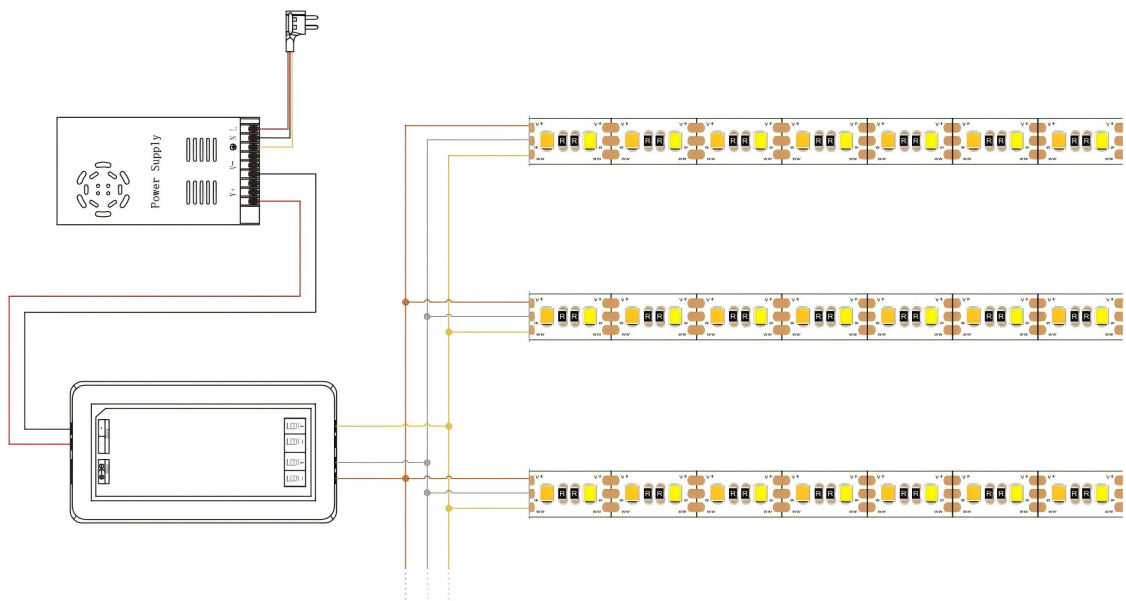
Performance parameters

|                  |          |
|------------------|----------|
| Lumen(±5%)       | 1470lm/m |
| Efficiency(±5%)  | 105lm/W  |
| Voltage          | DC12V    |
| Electric current | 1167mA/m |
| Power            | 14W/m    |

Packaging parameters

|                  |                |
|------------------|----------------|
| A roll           | 5m             |
| N.W(Roll)        | 110g           |
| Qty/Carton       | 500m-100roll   |
| Packing size(mm) | L410*W410*H180 |
| G.W              | 9Kg            |

Wiring Diagram:



## Processing custom waterproof process:



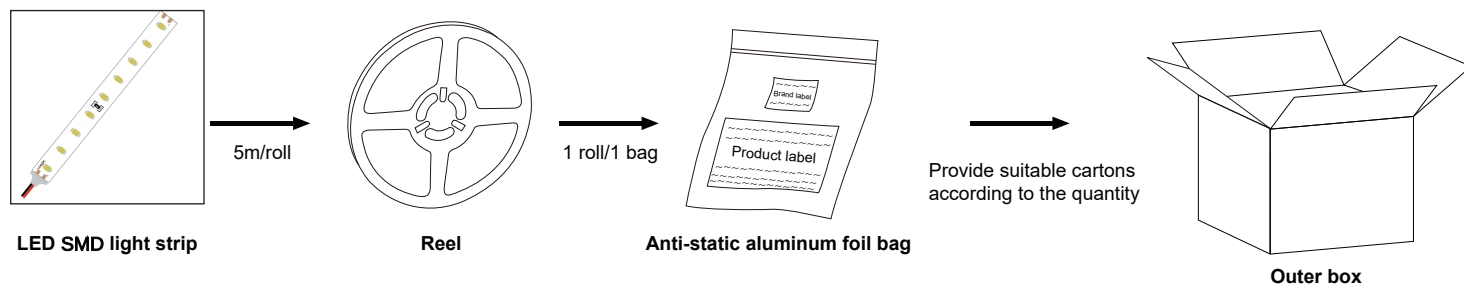
### Contrast of Process

| 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                         |

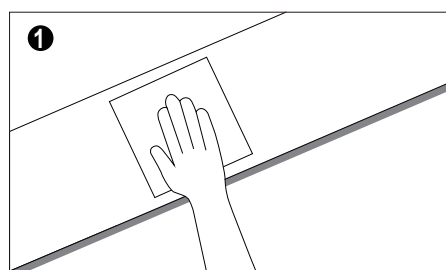
IP code : Ingress Protection Marking, IEC standard 60529

07
08

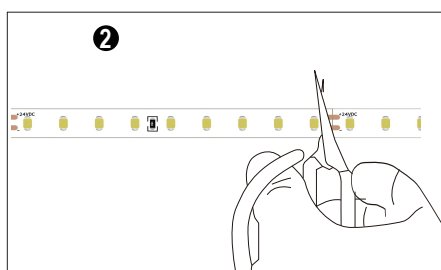
## Package:



## Installation diagram:

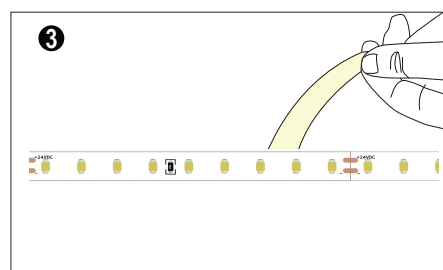


Clean the installation surface

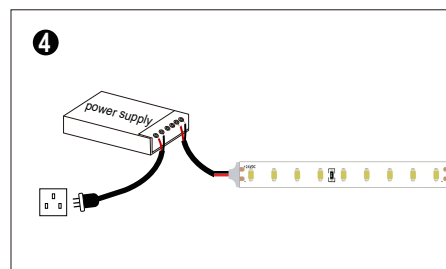


Measure the length you need to install, cut at the nearest scissor mark line.

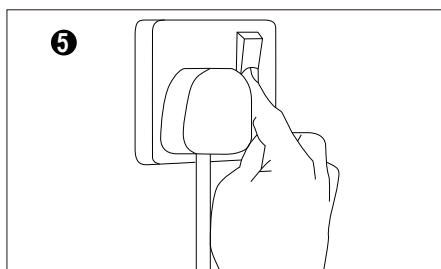
For the left led strip, weld at the next scissor mark to connect with other connection wire.



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.                                                                                                                                                                                                                                                             |