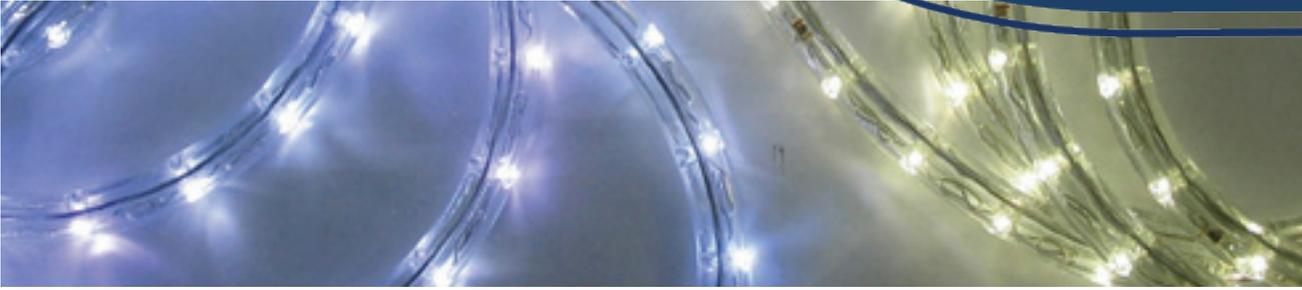


## Rope Light Wiring



This user guide is to explain the steps necessary to use the specified and assure peak performance. Its intended use is for reference only, by a fully qualified electrician or technician. This document should never be considered a substitute for any provision of a regulation or state and/or local code.

### **Unpacking**

- 1) Unpack and carefully examine the product.
- 2) Report any damage and save all packing materials if any part is damaged during transport.
- 3) Do not attempt to use this apparatus if it is damaged.

### **Warnings**

- 1) Risk of electric shock. Ensure that the power supply is off when wiring or soldering the sections of the device.
- 2) The device must be installed by a qualified electrician or technician in accordance relevant local codes.

### **Cautions**

- 1) Suggested continuous working time is around 8 hours, never more than 12 hours.
- 2) Do not attempt to cut or connect the device until you read and understand the installation instructions.
- 3) Do not use sharp tools near or on the surface of LEDs.

#### **User Responsibilities**

The responsibility of complying with all state and local laws, ordinances, and regulations in regards to the installation, maintenance, and operation of the device lies with the buyer and handler of the device. These parties may include, but are not limited to the contractor, installer, purchaser, owner, and user of the product.

### **Note:**

The instructions and precautions set forth in this user guide are not necessarily all-inclusive, all conceivable, or relevant to all applications as WDM Lighting cannot anticipate all conceivable or unique situations.

## Rope Light Wiring

### **PLANNING THE INSTALLATION**

The device installation requires planning to ensure timely, successful installation with minimal complications and down time.

#### Planning Suggestions

Consult an Electrical Inspector to review all wiring plans.

Create a Layout Plan drawing, per a Lighting Designer's or Architect's recommendation.

### **Installation Considerations**

When creating your installation plan, consider the following:

1) Minimum working unit

For 120V AC, minimum cut is every 1 meters (3.3 feet). Cut only at the cutting marks.

2) Maximum run length.

50M (165 feet)

3) Outdoor installation

Waterproof treatment shall be made on both ends with silicon glue when installed outdoors.

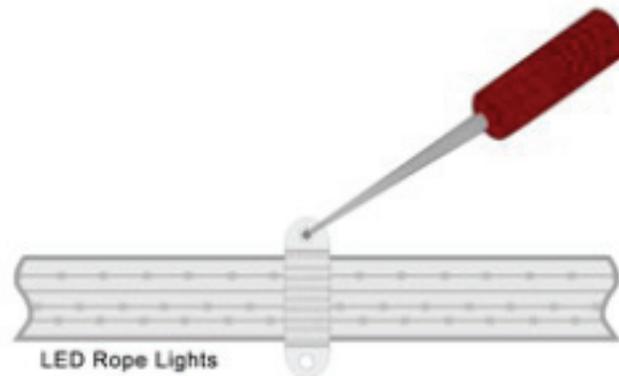
### **Installation Guide**

#### **1) Install LED Rope Light**

Place and install LED Rope Light to defined area according to project layout with mounting clips.



Mounting Clip



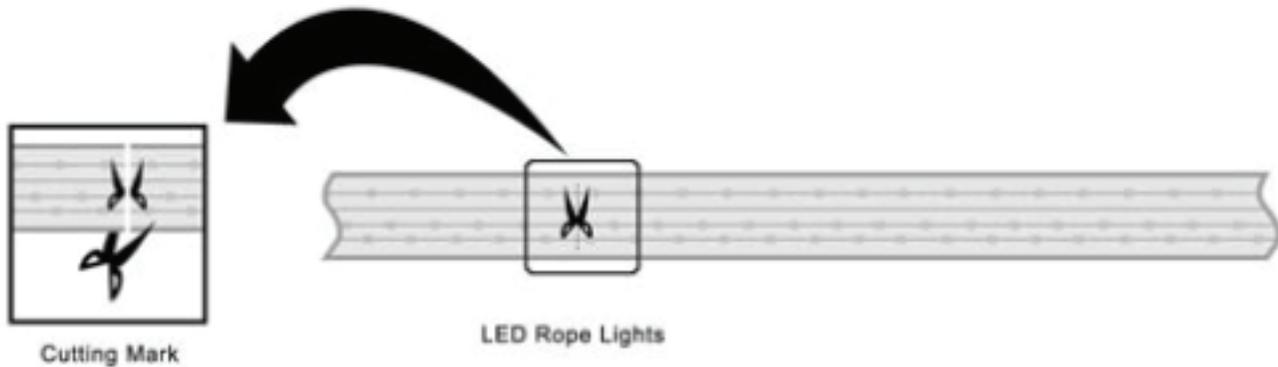
LED Rope Lights

Mounting Clip

## Rope Light Wiring

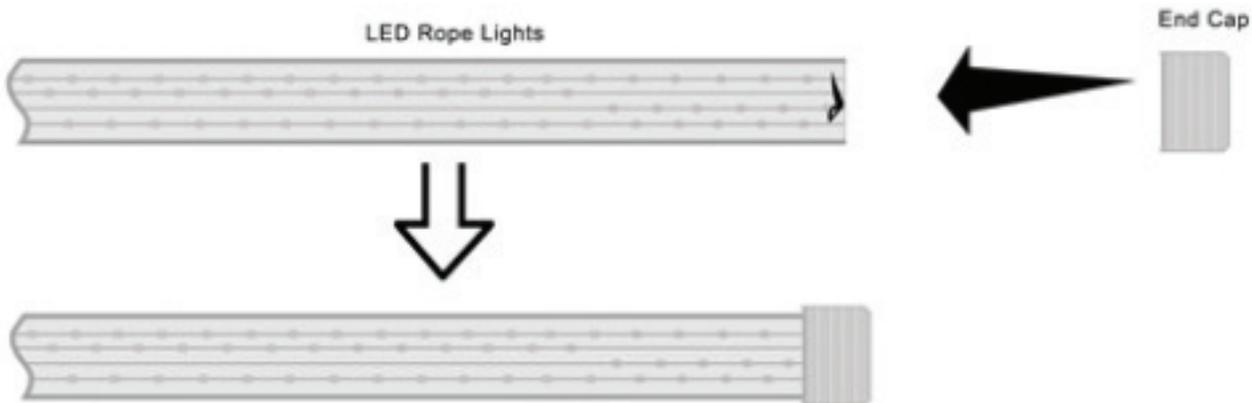
### 2) Cut LED Rope Light

Cut LED Rope Light exactly at cutting marks. Cutting marks are on the backside of LED Rope Light. You can find cutting marks at every one meter for 120VAC LED Rope Light.



### 3) Install end cap

Make waterproof treatment to end cap by putting enough silicon glue into end cap and install it onto LED Rope Light.



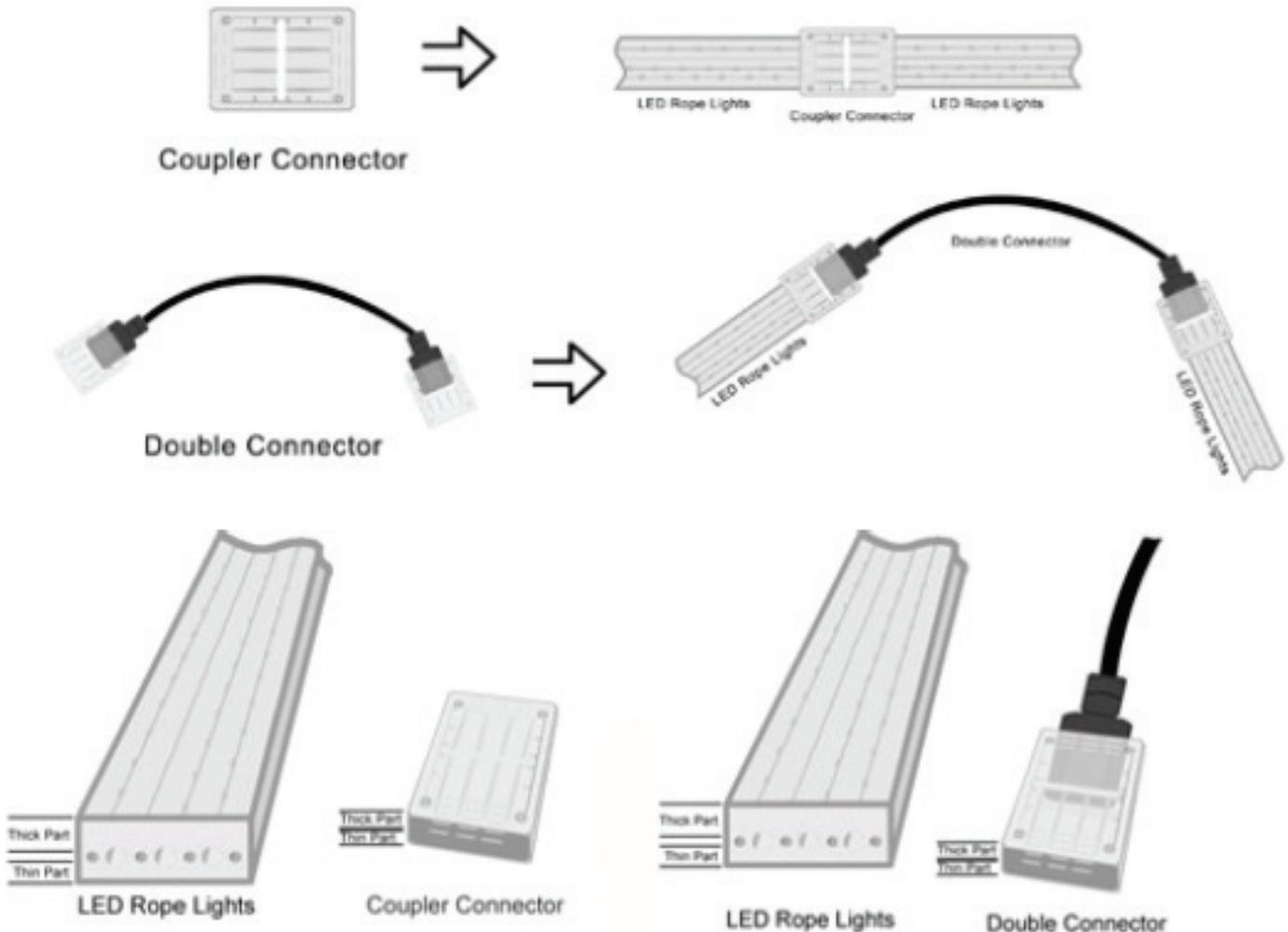
## Rope Light Wiring

### 4) Connect LED Rope Lights

Connect LED Rope Lights together to adjustable length with coupler connectors or double connectors (if ordered).

Make waterproof treatment to coupler connectors or double connectors by putting enough silicon glue into them.

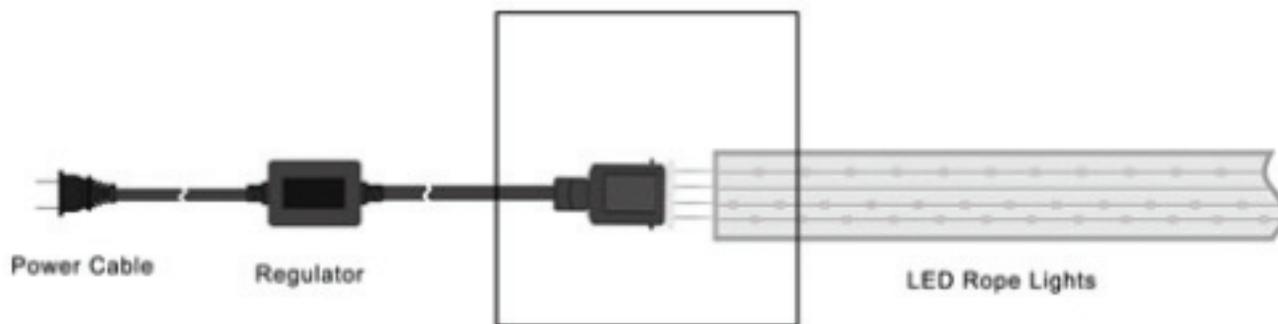
Make sure thick part of connector is to thick part of LED Rope Light; thin part of connector is to thin part of LED Rope Light.



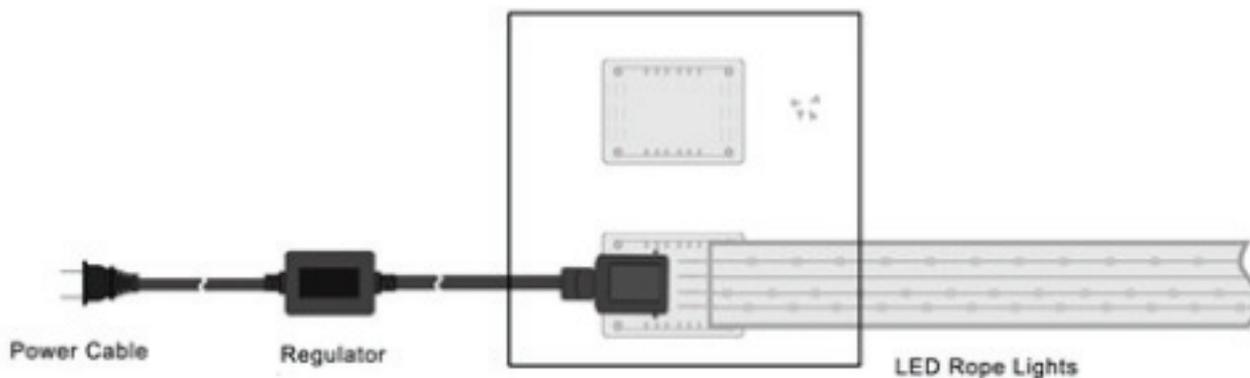
## Rope Light Wiring

### 5) Connect power cable to LED Rope Light

I) Plug power cable to LED Rope Light. Make sure thick part of connector is to thick part of LED Rope Light; thin part of connector is to thin part of LED Rope Light.

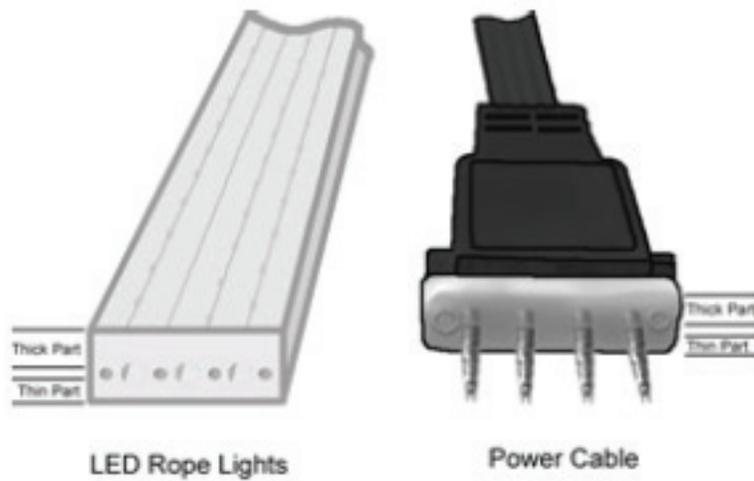
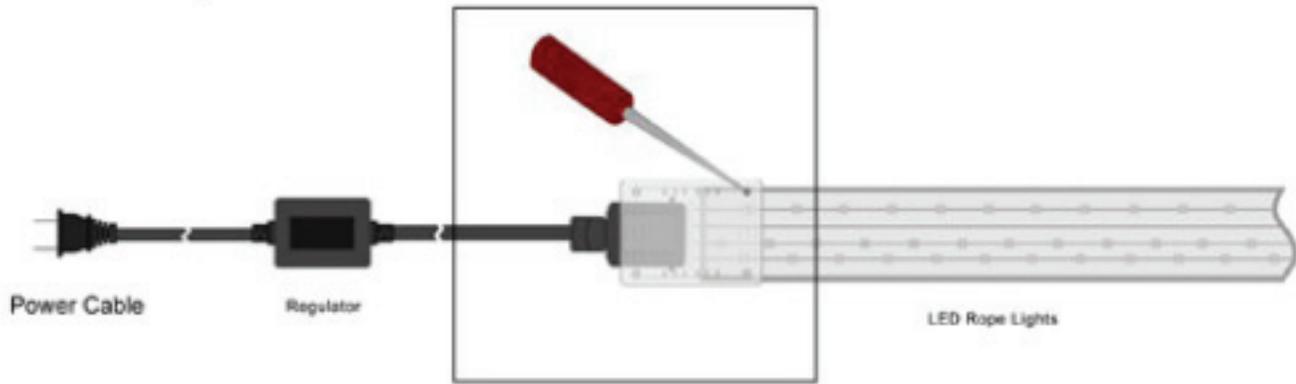


II) Place neather cover under the joint and make waterproof treatment with silicon glue.



## Rope Light Wiring

III) Place upper cover on, and screw them tightly with screws.



## Rope Light Wiring

### 6) Power up LED Rope Light

After power cable is connected to LED Rope Light, plug it into the power outlet to light it up.



### LED SOURCE LIFE

Traditionally, the definition of life for light sources is defined at the point which 50% of the lamps fail under specified conditions. However, all necessary components in a LED lighting system will determine useful life time. According to the industry standard, WDM Lighting uses the concept of useful light output and rates product life time at standard of "less than 50% lumen maintenance of original light output".

LED exhibits very long operational life time, typically 50,000 hours or more. However, like all light source, LED light output can degrade and also undergo gradual shifts in color over time.

LED chips, performed lighting effects and working environmental conditions, such as temperature, humidity, and ventilation will affect LED lumen maintenance. The overall LED Lighting System life time could vary substantially based on usage and environmental condition.

WDM Lighting always adopts brand chips and high quality materials and components to make LED Lighting Systems.