

## MOUNTING LED GLOBE LIGHT GLOBES TO SPT2 WIRE

If you have not ordered pre-assembled LED Globe Light, you will need to carefully follow these instructions.

1. Outdoor rated SPT2 wire is provided with Globe Light and globes are easily mounted to the wire at any spacing required.
2. Measure area where LED Globe Light is to be installed an cut appropriate length of SPT2 wire to match your installation.



BE SURE TO ALLOW ENOUGH LEAD WIRE TO REACH AREA WHERE POWER SUPPLY WILL BE MOUNTED.

3. Attach LED Globe Light globes to SPT2 wire as shown in diagram above at your desired spacing.
  - A) Unscrew base from LED Globe Light LED Globe Light globe.
  - B) Press pins at base of globe into SPT2 wire making sure pins pierce fully into insulation of wire. Screw base of LED Globe Light globe tightly back on making sure you have a good connection between pins and conductor within the wire.
4. We suggest you check each connection of globe to wire by having appropriate rated class 2 power supply available to check each globe connection. **IMPORTANT: SEE SAFETY PRECAUTIONS REGARDING WIRING OF POWER SUPPLIES TO LINE VOLTAGE.**
5. Place end caps provided over dead end of wire behind last LED Globe Light globe.

## INSTRUCTIONS FOR INSTALLING LED GLOBE LIGHT

### A: MOUNTING TO SOLID SURFACES:

1. LED Globe Light can be mounted to surfaces that accept nails or screws with our convenient mounting clips or by screwing the base to the surface through the mounting holes at base of globe. For clean, smooth surfaces where Globe Light is mounted in up right

position, you can use double sided tape (Part # MGTP). Be sure surface is properly cleaned and free of any dust or oils prior to applying tape. If mounting to such surfaces we recommend using a plumb line to mark the desired line where LED Globe Light will be mounted to ensure a clean straight line which will dramatically improve the appearance of your installation.

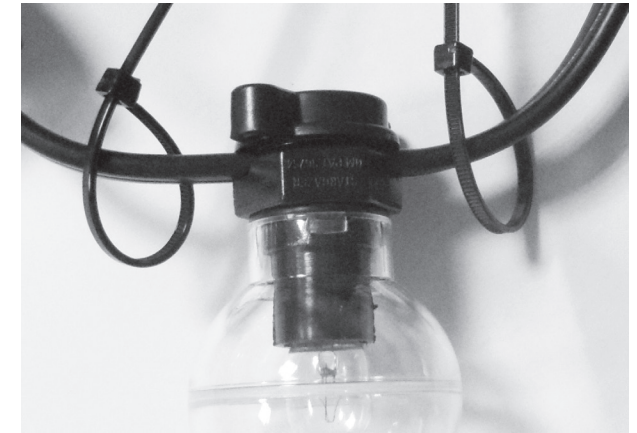
2. Measure the area between where power supply is to be mounted and where the first LED Globe Light globe is to be mounted making sure you have enough empty lead wire between the first LED Globe Light Globe and class 2 power supply prior to mounting LED Globe Light globes to wire at your desired spacing.
3. After mounting LED Globe Light globes to SPT2 wire provided, attach LED Globe Light to surface by using mounting clips on either side of each globe or by screwing base to surface through mounting holes. Mounting clips should be used as close as possible to each side of globes to ensure a clean looking installation.
4. Additional clips may be required to secure wire between globes to surface to prevent sagging if distance between globes is greater than 2' (61 cm). Be sure not to exceed maximum number of LED Globe Light globes in any given run. Additional power supplies will need to be provided for lengths that exceed the maximum number of globes.

### B: MOUNTING TO CABLE:

1. Depending upon your installation, you may wish to pre-mount LED Globe Light to the cable prior to its installation by running mounting cable through mounting holes at base of LED Globe Light as shown below:



2. Using cable ties (Part # NN-C6) mount the LED Globe Light to cable as per diagram below.



## INSTRUCTIONS FOR CONNECTING LED GLOBE LIGHT TO POWER SUPPLY

1. Use only class 2 power supplies listed in these instructions and provided by Magic Lite.
2. Make sure power is turned off to branch circuit.
3. Using appropriate size of driver (see driver section) connect incoming 120V power to primary side of LED Driver. Make sure your installation does not exceed maximum number of globes allowed for the driver you are using.
4. Using wire connectors provided, connect secondary side of power supply to LED Globe Light wire. Connect positive (+) output wire from driver to printed side of SPT2 LED Globe Light wire and negative(-) output wire from LED driver to plain side of SPT2 LED Globe Light wire. All connections should be done inside wiring compartment of power supply. **MAKE SURE YOU ARE USING OUTDOOR RATED POWER SUPPLY FOR OUTDOOR APPLICATIONS AND FOLLOW INSTRUCTIONS INCLUDED WITH POWER SUPPLY.**
5. Turn on power to branch circuit. LED Globe Light should light up within 2 or 3 seconds of power being turned on. If one or more globes does not light up, check that the errant globe is securely mounted to the SPT2 wire. If entire string does not light up, check both primary and secondary connections at power supply.
6. Enjoy your new LED Globe Light Lighting System.

## POWER SUPPLY SELECTION

<b>Dimmable Outdoor Drivers</b>		Max # of Globes
MLDRE-40-24-DM	40 Watts	80
MLDRE-96-24-DM	96 Watts	180
<b>Non Dimmable Outdoor Drivers</b>		
MLDR-120-24	120 Watts	180*
<b>Indoor Drivers</b>		
MLDR-20-24-JB	20 Watts	36

\*180 on a single tap or 200 combined two secondary taps.

## SPECIFICATIONS

Electrical Rating:

Input Voltage: 24VDC

Power Consumption: .5W per lamp

LED Luminous flux: 50 Lumens

Viewing Angle: 360 degrees


LED Type: E10 LED

LED Life: 50,000 hours, 70% Initial lumen output

Efficacy: 100 Lumens Per Watt

Spacing: 12 inches (30.5 cm). Custom and DIY available.

Maximum length: 150' (45.72 m)

Approvals Listing: 

## CAUTIONS

1. Use only with Magic Lite recommended class 2 power supplies. Do not exceed maximum number of globes recommended for each driver.
2. Read all instructions thoroughly before beginning assembly or installation.
3. Do not install closer than 6 inches (15.24 cm) to curtains or any other combustible material.
4. Turn off all electrical power before modifying the lighting in any way.
5. To reduce the risk of overheating and potential fire, make sure all connections are tight.
6. NO CIRCUIT SHALL EXCEED 100 WATTS AND MUST BE POWERED BY CLASS 2 POWER SUPPLY.
7. Use only with accessories provided in Magic Lite Catalog and specification sheets.
8. Do not install closer than 12 feet (3.66 m) to swimming pools
9. Do not immerse in liquids.
10. Ground Fault Circuit Interrupter (GFCI) protection should be provided on the circuit or outlet
11. Do not route the cord through walls, doors, windows or any part of a building structure.
12. Do not use if there is any damage to the cord insulation. Inspect periodically.
13. Secure the cord using only the hangers or clips provided. Do not secure the product with staples, nails or any means that may damage the insulation.

## INSTALLATION AND SAFETY INSTRUCTIONS

# LED GLOBE LIGHT



LED Globe Light provides excellent ambient and decorative lighting for a multitude of applications including restaurants, public areas, commercial and residential buildings. Operating on class 2 LED power supplies, LED Globe Light is a safe and energy efficient way to beautify surroundings and provide safety in terms of aesthetically pleasing ambient light.

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