# tivoli Litesphere RGBW Adapt LED String Light Instruction Manual

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**tivoli Litesphere RGBW Adapt LED String Light**



**Product Information**

The Litesphere RGBW Adapt is a lighting system designed for installation in various settings. It offers both surface

mount and suspension mount options for flexibility in placement. The system features sockets, suspension cables, globes or shades, and end caps. It is important to follow the installation instructions provided to ensure proper installation and functionality of the lighting system.

## Product Usage Instructions

- **Surface Mount Option:**
    - Remove the socket cap and cover from each socket.
    - Screw each socket to the mounting surface using the appropriate screws.
- **Suspension Mount Option:**
    - Attach eyebolts or other mounting hardware to the structural supports that will hold the catenary cable.
    - Insert the suspension cable into the cable following the direction of the arrow on the cable lock.
    - Lock the suspension cable through the mounted eye bolt or other mounting hardware and insert the cable back through the cable lock.
    - Adjust the tension of the suspension cable using a catenary tensioning tool or a cable release key on the cable lock.
    - Attach the strands with the sockets to the suspension cable using  zip ties. Use additional zip ties between globes for strands with  on center spacing of 18 in. or greater to prevent sagging.
- **Shade Assembly:**
    - If shades will be used, create the shade assembly by placing the shade between the gasket/bulb and nut. Tighten the assembly.
- **Socket Preparation:**
    - Remove the plastic cover from each socket.
- **Socket Attachment:**
    - Attach the globe or the shade assembly to each socket.
- **Gasket Positioning:**
    - Ensure that the gasket is properly seated and positioned, and that it is not bent. This is crucial for a proper fit and to avoid potential issues.
- **End Cap Installation:**
    - Cut 3 inches or more of excess wire after the last globe on the strand.
    - Loosen the end cap assembly and slide the base onto the wire.
    - Attach the end cap cover onto the end cap base and tighten.
- **Power and Data Connection:**
    - Connect the power/data lead to an appropriate 24V DC power supply.
    - Connect the data to a DMX controller. Refer to the related documents of the selected DMX controller for more information on installation and setup.

It is important to refer to the related power supply specification sheets for more information and other possible configurations.
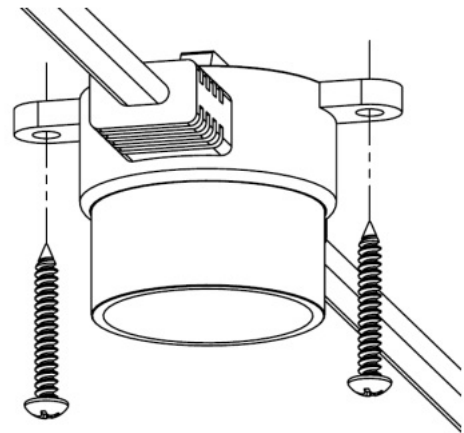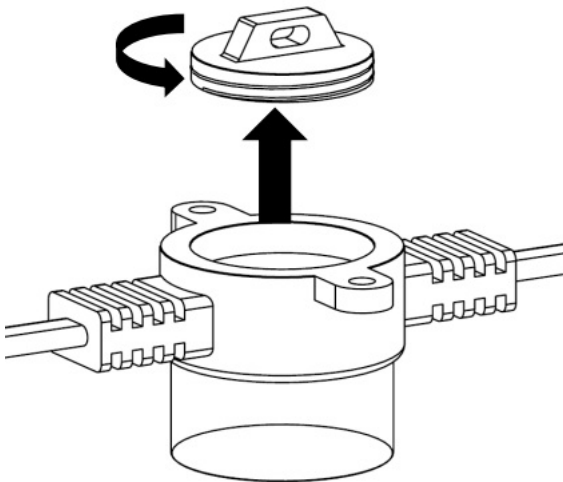
## Warnings and Safety

- Please verify the contents of the package!
- Please read instructions before starting the installation.
- Make sure power is off before installing or modifying the system.

- Call Tivoli LLC tech support with any questions.
- This product is designed to work with listed Class 2, 24V DC transformers only. Use of any other power source will cause damage, shorten the life of the fixture, and will void the warranty.
- Consult any local and national codes for installation.
- Follow basic safety precautions when dealing with any luminaire application to reduce the risk of fire, electrical shock, and/or personal injuries. This lighting system should be installed by a certified professional.
- Do not use this product for other than its intended use.
- Do not install this lighting system where the exposed bare contacts can be shorted or contact any conductive material to reduce the risk of fire and burns.
- Do not use any luminaire if damaged, such as a broken globe, loose connections, or frayed wire insulation. Inspect periodically.
- Do not secure any luminaire with staples, nails or like means that might damage the wire insulation.
- Do not cover lamps with cloth, paper or any material that is not part of the product.
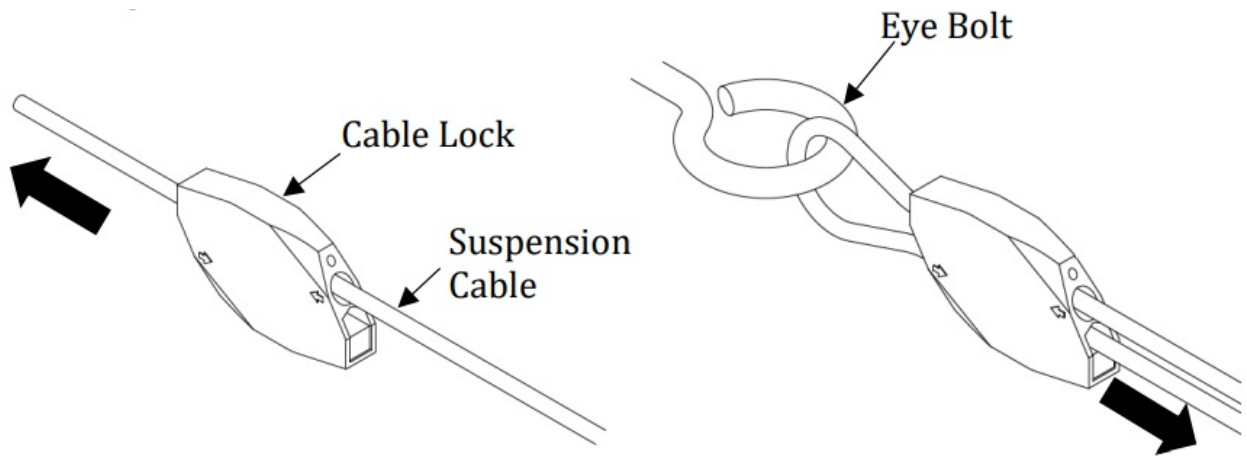
## Installation

There are 2 mounting options: Surface Mount and Suspension Mount. Step 1 will cover the Surface Mount Option.

1. For the surface mounting option, remove the socket cap and cover and screw each socket to mounting surface using the appropriate screws.
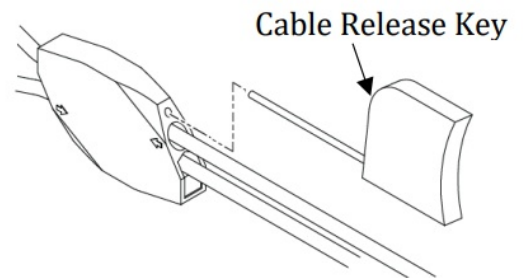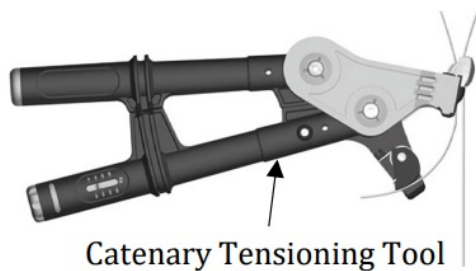


Steps 2-6 will cover the Suspension Mount Option.
2. Attach eyebolts or other mounting hardware to the structural supports that will hold the catenary cable.
    - The catenary cable is rated for hanging loads up to 200 lbs. and 800 lbs. of pulling tension.
3. Insert suspension cable into the cable following the direction of the arrow on the cable lock.
4. Look the suspension cable through the mounted eye bolt or other mounting hardware and insert the cable back through the cable lock.
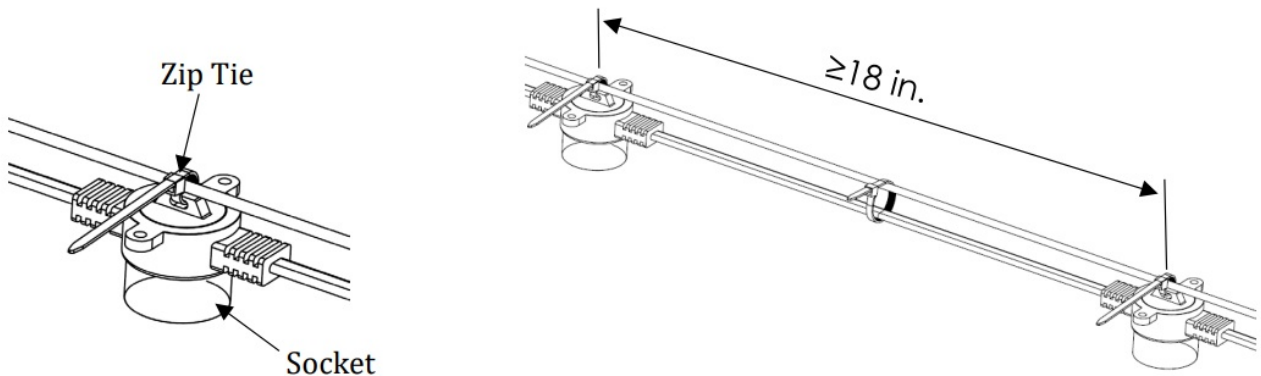
Cable Lock

Suspension Cable

Eye Bolt

5. You can tighten the suspension cable using a catenary tensioning tool or loosen the cable using a cable release key on the cable lock.
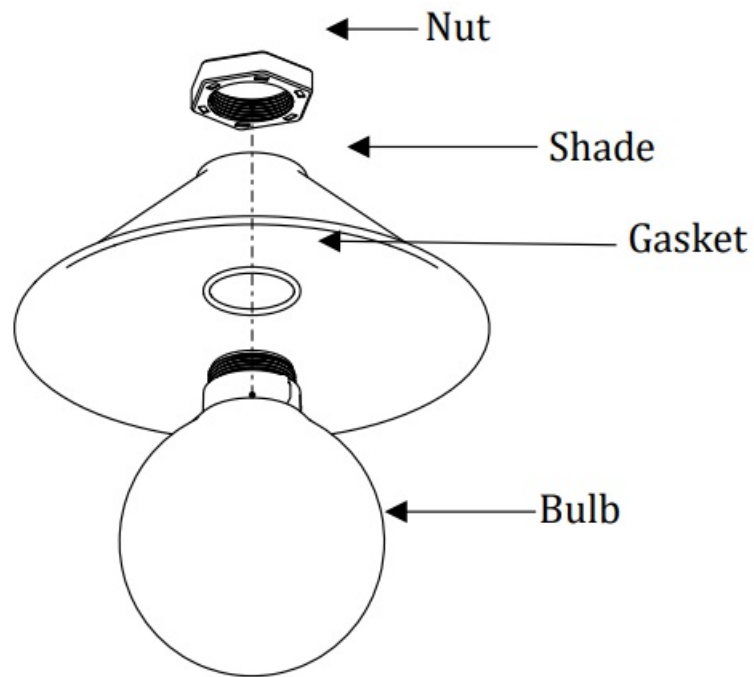


Catenary Tensioning Tool

Cable Release Key

6. Attach the strands with the sockets to the suspension cable using zip ties.

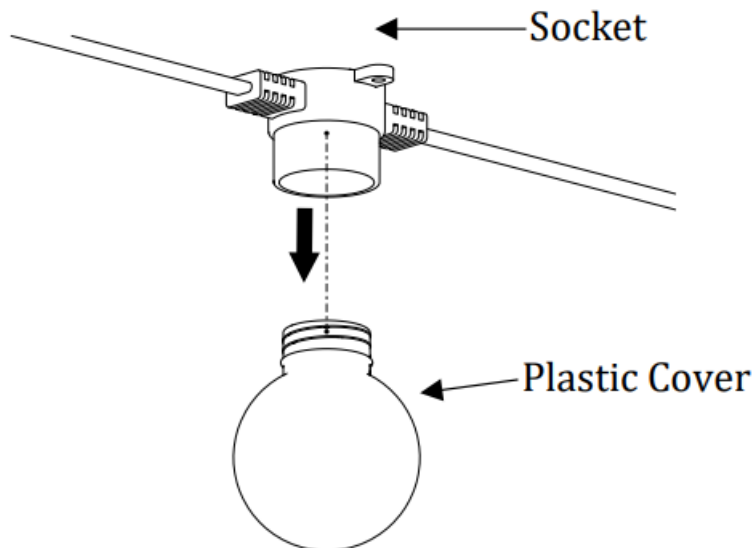NOTE: For strands with on center spacing of 18 in. or greater, use a zip in between globes to prevent sagging



Zip Tie
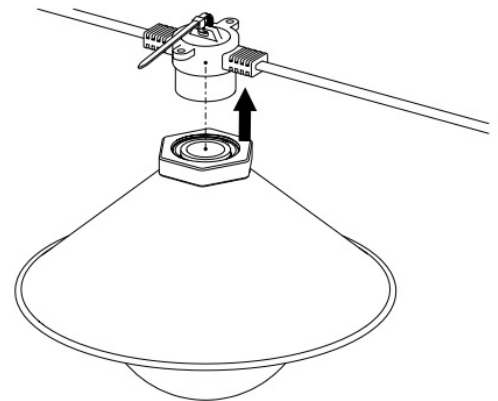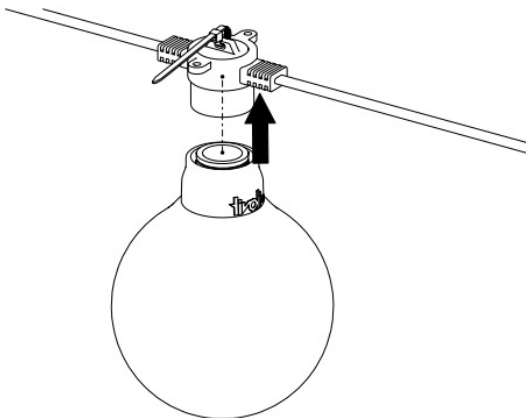
Socket

≥18 in.

Skip to Step 8 if no shades will be used.

7. Create the shade assembly by placing the shade in between the gasket/bulb and nut. Tighten the assembly.
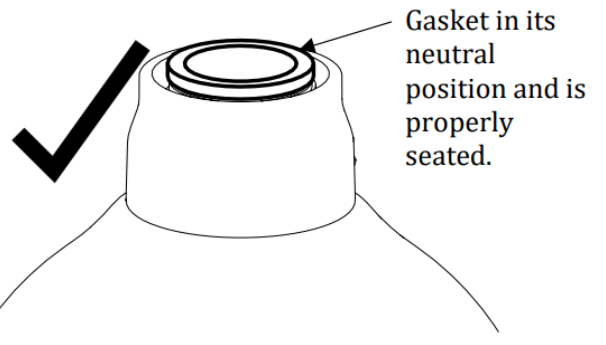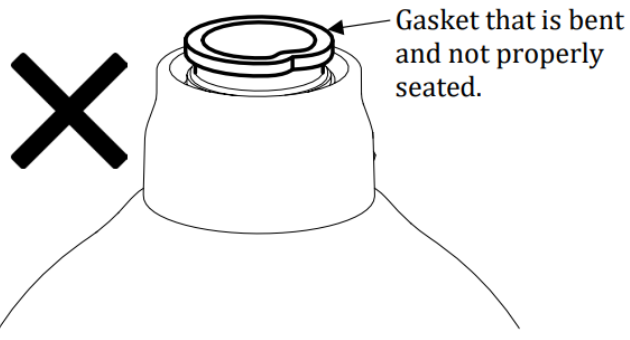
Nut

Shade

Gasket

Bulb

8. Remove the plastic cover from the socket.
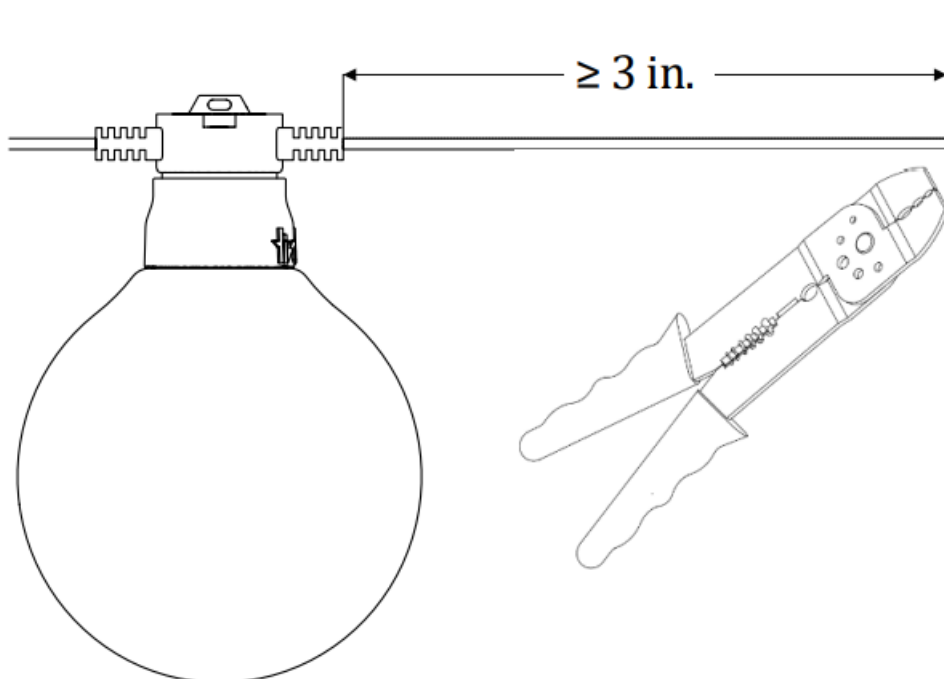


Socket

Plastic Cover

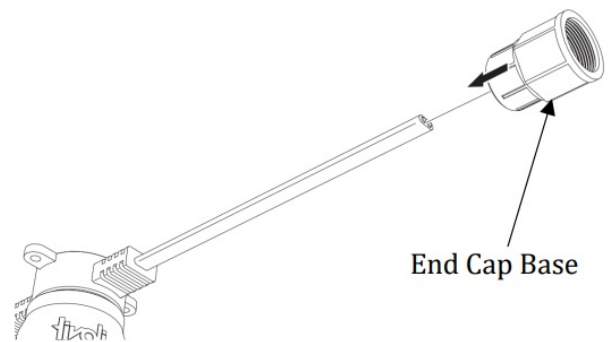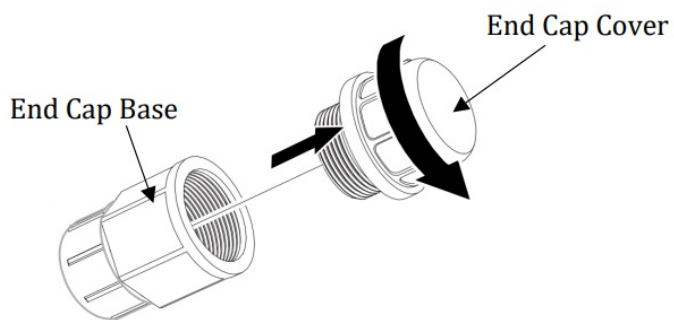9. Attach the globe or the shade assembly to the socket.



NOTE: To guarantee a proper fit and prevent potential issues, it is crucial to confirm that the gasket has been properly seated and positioned, and ensure it is not bent.
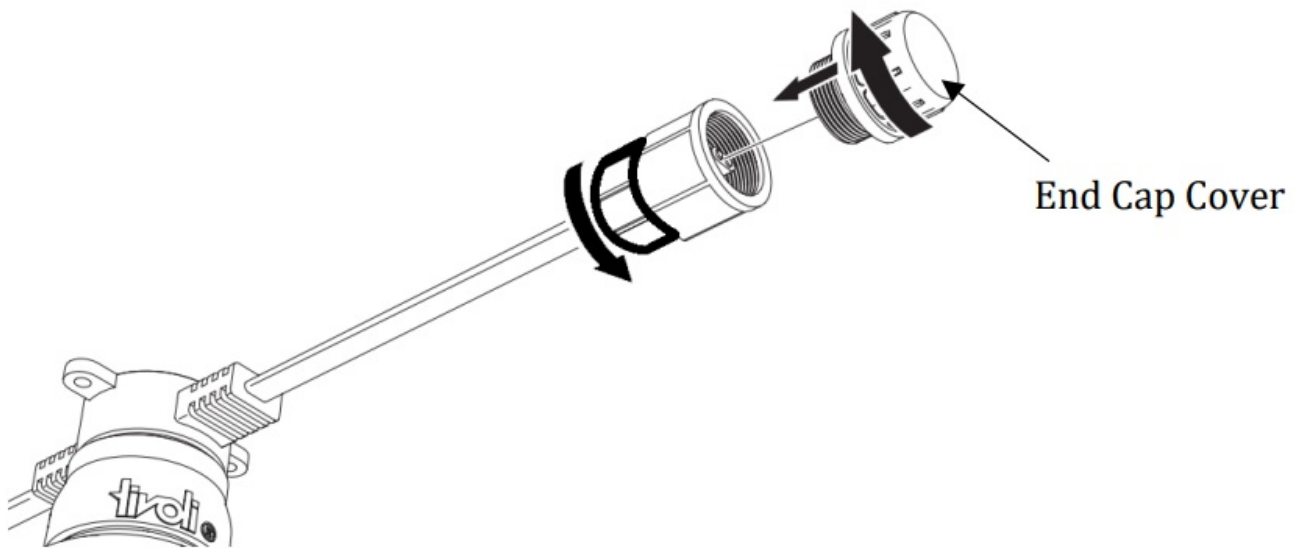
Gasket that is bent and not properly seated.

Gasket in its neutral position and is properly seated.

10. At the end of the strand, cut 3 inches or more after the last globe to prepare to install the end cap.



≥ 3 in.

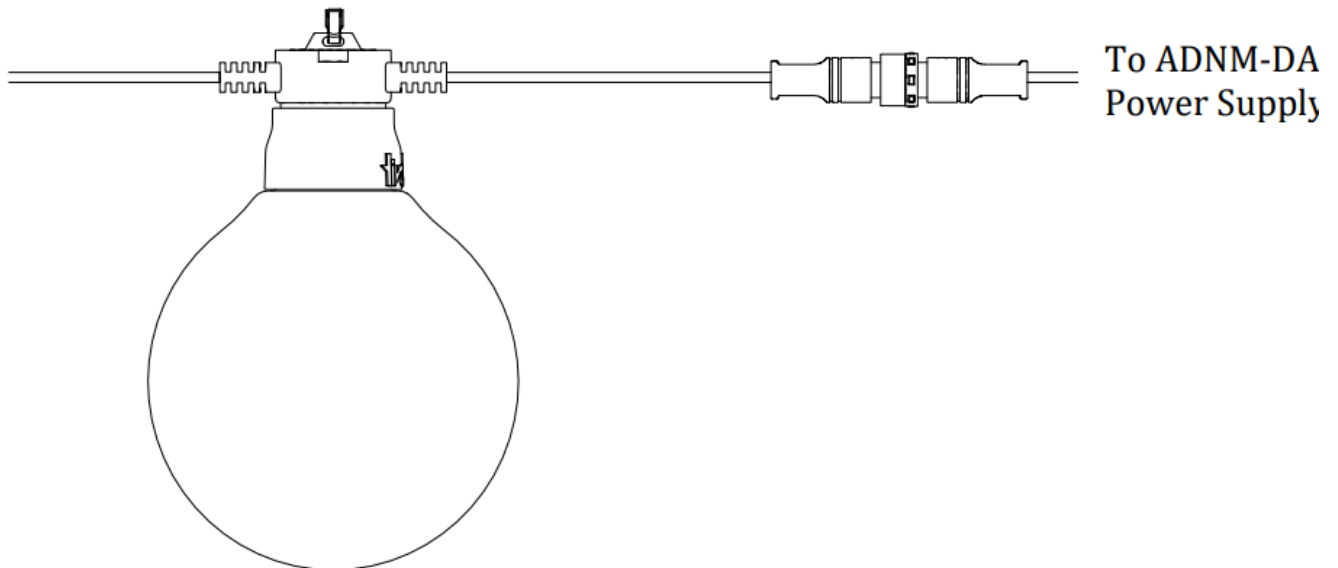11. Loosen the end cap assembly slide the base on the wire.



End Cap Cover

End Cap Base

End Cap Base

12. Attach the end cap cover onto the end cap base and tighten.

End Cap Cover

13. Connect power/data lead to appropriate 24V DC power supply and connect data to DMX controller. NOTE: Refer to related power supply specification sheets for more information and other possible configurations. Refer to the related documents of the selected DMX controller for more information on installation and setup.



To ADNM-DA Power Supply

Tivoli, LLC. reserves the right to modify this specification without prior notice

## CONTACT INFORMATION

- **www.tivolilighting.com**
- 714-957-6101

## Documents / Resources



**tivoli Litesphere RGBW Adapt LED String Light** [pdf] Instruction Manual
Litesphere RGBW Adapt LED String Light, Litesphere RGBW, Adapt LED String Light, LED String Light, String Light, Light

## References

- [icon] **Tivoli – Over 50 Years of Innovation and Linear Lighting Leadership.**

## References

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