BRIGHTLUX AML14-CW-16.5FT

BRIGHTLUX LED Neon Rope Light Instruction Manual

Model: AML14-CW-16.5FT

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your BRIGHTLUX LED Neon Rope Light. This 16.4-foot (5-meter) flexible rope light features 6000K Daylight illumination, designed for both indoor and outdoor applications. Its 360-degree light output ensures uniform and continuous lighting without visible dots.

Image 1.1: The BRIGHTLUX LED Neon Rope Light, coiled, with its product packaging in the background. The packaging indicates 'Daylight - 6000K' and '16.5ft Length'.

The rope light is linkable, allowing for extended installations up to 132 feet (8 units), and includes all necessary mounting hardware for easy setup.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Ensure the power source is 120V. Do not overload electrical outlets.

- **Outdoor Use:** When used outdoors, connect the rope light only to a Ground Fault Circuit Interrupter (GFCI) protected outlet. This reduces the risk of electric shock.

- **Water Resistance:** The rope light is IP65 water resistant, meaning it is protected against water jets. However, it is not designed for submersion. Ensure all connections are secure and protected from direct water exposure.

- **Do Not Cut:** Do not cut the rope light. Cutting will damage the product and void the warranty.

- **Temperature:** Avoid installing in areas with extreme temperatures outside the recommended operating range.

- **Handling:** Do not bend the rope light sharply or apply excessive force, as this may damage the internal

wiring.

- **Power Cord:** The included power cord is ETL Certified and features an in-line fuse for added safety. Do not modify the power cord or plug.

Image 2.1: A detailed view of the BRIGHTLUX LED Neon Rope Light's power cord, highlighting its ETL certification and in-line fuse. The coiled rope light is visible, emphasizing its flexible PVC jacket and dot-free illumination.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x 16.4FT LED Neon Rope Light
- 1 x 5FT Power Cable (with ETL Certified plug and in-line fuse)
- 10 x Mounting Clips
- 10 x Screws

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your BRIGHTLUX LED Neon Rope Light:

1. **Plan Your Design:** Determine the desired path and shape for your rope light. Ensure the length is sufficient for your application.

2. **Prepare the Surface:** Clean the installation surface (wall, deck, etc.) to ensure secure attachment of the mounting clips.

3. **Position Mounting Clips:** Place the mounting clips along your planned path. Use the included screws to secure the clips. Space clips evenly to support the rope light without sagging.

4. **Insert Rope Light:** Gently press the rope light into the secured mounting clips. Ensure the light is held firmly but not pinched.

5. **Connect Multiple Units (Optional):** If linking multiple rope lights, align the male and female end-to-end connectors and twist them securely. Ensure the connection is tight to maintain water resistance. Do not exceed 132 feet (8 units) in total length.

6. **Power Connection:** Plug the 5FT power cable into a standard 120V electrical outlet. For outdoor installations, always use a GFCI protected outlet.

Image 4.1: A visual guide illustrating the installation process, including cleaning the surface, designing the shape, securing clips, and connecting the light to power.

Image 4.2: This image displays the rope light's diameter (0.51 inch) and length (16.4 ft), along with an illustration of the linkable end-to-end connectors, indicating it can connect up to 8 sets.

5. OPERATING INSTRUCTIONS

The BRIGHTLUX LED Neon Rope Light is designed for simple operation:

- **Power On:** Once properly installed and connected to a power source, the rope light will illuminate.
- **Power Off:** To turn off the rope light, unplug the power cable from the electrical outlet. This model does not feature an integrated on/off switch.
- **Light Output:** The rope light provides a consistent Daylight (6000K) white light at 2500 lumens. There are no adjustable settings for color or brightness.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your rope light:

- **Cleaning:** Disconnect the rope light from the power source before cleaning. Wipe the surface with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the rope light, power cable, and connections for any signs of damage,

wear, or corrosion. Replace any damaged components immediately.

- **Storage:** If storing the rope light for an extended period, ensure it is clean and dry. Coil it loosely and store it in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Rope light does not illuminate.	No power, loose connection, blown fuse in power cord.	Ensure power cable is securely plugged into a live 120V outlet. Check the in-line fuse in the power cord and replace if blown. Verify all linkable connections are tight.
Portion of the rope light is not lit.	Internal damage to the LED strip.	Inspect the unlit section for visible damage. If damaged, the unit may need replacement. Do not attempt to repair internal components.
Light is flickering.	Unstable power supply, loose connection.	Try plugging into a different outlet. Check all connections for tightness.
Rope light gets excessively hot.	Improper ventilation, electrical issue.	Ensure the rope light is not covered or enclosed in a way that prevents heat dissipation. Discontinue use immediately if overheating occurs and contact customer support.

8. SPECIFICATIONS

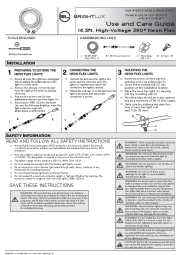| Feature	Specification
Model Number	AML14-CW-16.5FT
Brand	BRIGHTLUX
Light Color	Daylight (6000K)
Length	16.4 Ft (5 meters)
Brightness	2500 Lumens
Voltage	120 Volts
Power Source	120V Plug In
Light Source Type	LED
Material	Polyvinyl Chloride
Water Resistance Level	IP65 Water Resistant
Special Features	Linkable, Water Resistant, Weather Resistant

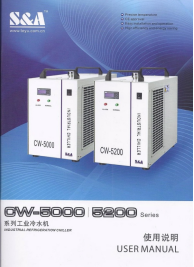| Feature	Specification
Included Components	10 Mounting Clips, 10 Screws, 16.4FT LED Rope Light, 5FT Power Cable
UPC	714176028798
Manufacturer	American Lighting

9. WARRANTY AND SUPPORT

Your BRIGHTLUX LED Neon Rope Light is covered by a **2-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your product, please contact BRIGHTLUX customer service. Please have your model number (AML14-CW-16.5FT) and proof of purchase available when contacting support.

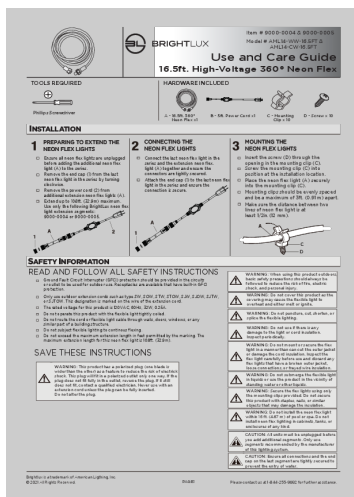For more information, visit the official BRIGHTLUX store: BRIGHTLUX Store on Amazon

Related Documents - AML14-CW-16.5FT

Brightlux 16.5ft High-Voltage Neon Flex Light: Use and Care Guide
Comprehensive guide for installing, using, and maintaining Brightlux 16.5ft High-Voltage 360° Neon Flex lights. Includes safety instructions, extension procedures, and warranty information.

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S&A CW-5000/5200 Industrial Chiller User Manual
User manual for S&A CW-5000 and CW-5200 series industrial chillers by GUANGZHOU TEYU ELECTROMECHANICAL CO., LTD., covering installation, operation, specifications, and troubleshooting.

	Govee RGBIC Neon Lights User Manual - Smart LED Rope Light 2 User manual for the Govee RGBIC Neon Rope Light 2 (16.4ft). Learn about installation, features like Shape Mapping and AI Lighting Bot, smart control compatibility (Matter, Google Home, Alexa), and what's included in the box.
	Shine Decor 120V COB LED Neon Rope Light Installation Guide Detailed installation, safety, and troubleshooting guide for Shine Decor 120V COB LED Neon Rope Lights. Includes specifications, accessories, cutting, powering, splicing, and waterproofing instructions.
	S&A CW-5000 & CW-5200 Series Industrial Refrigeration Chillers User Manual User manual for S&A CW-5000 and CW-5200 series industrial refrigeration chillers by GUANGZHOU TEYU ELECTROMECHANICAL CO., LTD. Covers installation, operation, specifications, and troubleshooting for precise temperature control.

Documents - BRIGHTLUX – AML14-CW-16.5FT

 Brightlux 16.5ft High-Voltage Neon Flex Light: Use and Care Guide
Comprehensive guide for installing, using, and maintaining Brightlux 16.5ft High-Voltage 360° Neon Flex lights. Includes safety instructions, extension procedures, and warranty information.
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