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› LUBAN LED Stack Tower Lights User Manual

LUBAN XHD03-1C-24V-WS-F

LUBAN LED Stack Tower Lights User Manual

Model: XHD03-1C-24V-WS-F

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1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your LUBAN LED Stack Tower Light. This industrial warning light is designed for various applications requiring clear visual signaling, featuring high-performance LED chips for brightness and longevity. It offers switchable continuous or flashing light modes and is built for durability in industrial environments.





Figure 1: LUBAN 1-Layer LED Stack Tower Light (DC 12 to 24V, No Buzzer)

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before installing or operating the device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Electrical Safety:** Ensure power is disconnected before installation or maintenance. All wiring should be performed by a qualified electrician in accordance with local electrical codes.
- **Voltage Compatibility:** Verify that the power supply voltage matches the rated voltage of the light tower (DC 12 to 24V for this model).
- **Mounting:** Mount the device securely on a stable surface to prevent accidental falls.

- **Environmental Conditions:** The product is rated IP54 against dust and moisture. Avoid exposing it to conditions beyond its specified environmental ratings.
- **Heat:** Do not cover the light tower during operation, as this may lead to overheating.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- LUBAN LED Stack Tower Light (1-Layer, No Buzzer)
- Mounting Bracket
- Light kit (pre-installed)

4. SETUP & INSTALLATION

4.1 Mounting the Light Tower

The LUBAN LED Stack Tower Light can be mounted using its adjustable bracket. The bracket allows for 180-degree rotation, providing flexibility in positioning.

ANKLE ADJUSTABLE BRACKET



Figure 2: Adjustable Angle Bracket for Mounting

1. Choose a suitable location for mounting, ensuring it is stable and provides clear visibility.
2. Secure the mounting bracket to the desired surface (wall or pole) using appropriate fasteners (not included).
3. Attach the light tower to the mounting bracket. The light base is 180° rotatable for optimal positioning.

4.2 Wiring Instructions

Refer to the wiring diagram below for proper electrical connection. Ensure power is OFF before connecting any wires.

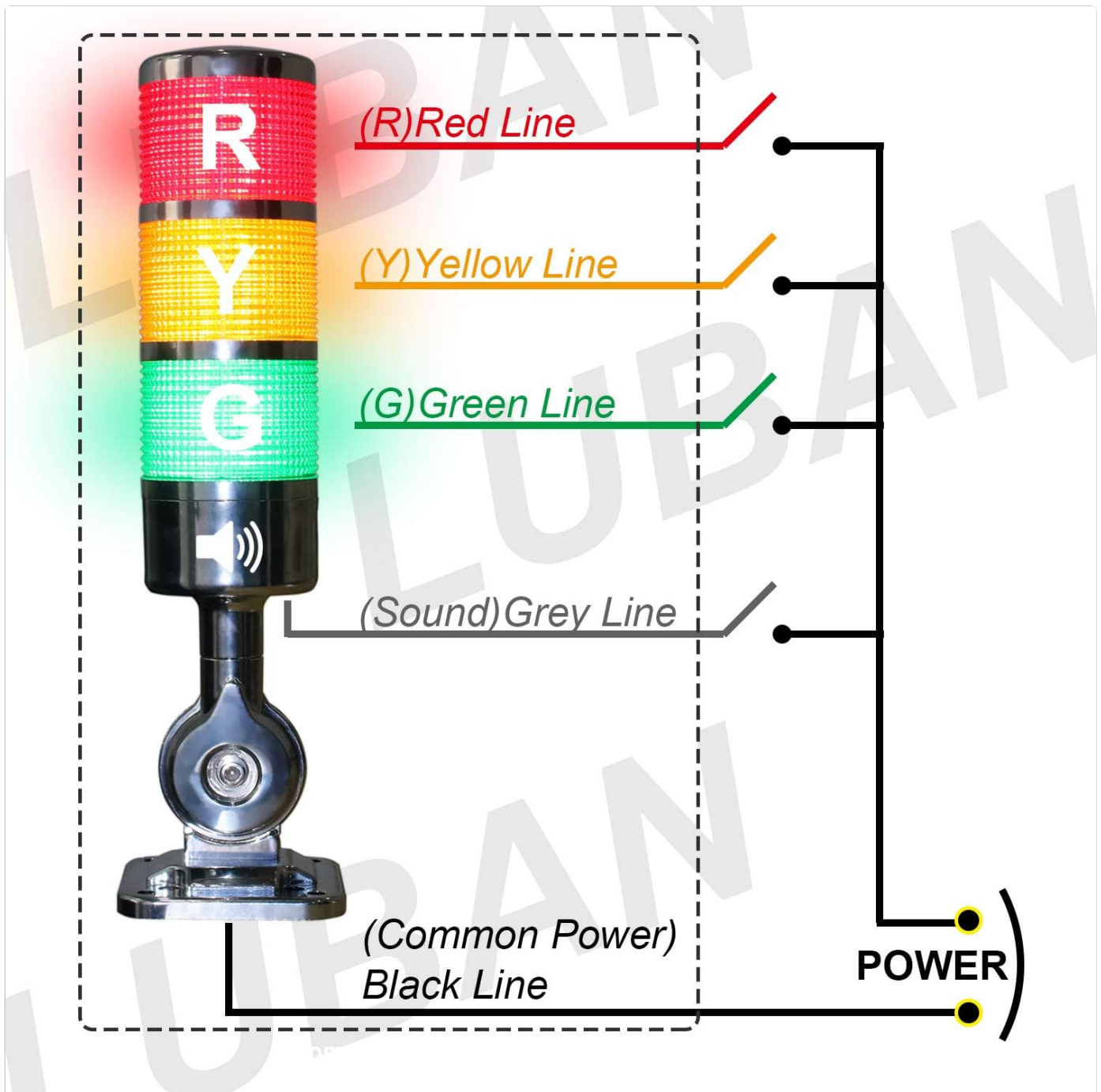


Figure 3: Wiring Diagram for 1-Layer Light Tower

- **Black Line:** Common Power (Negative)
- **Red Line:** Red Light (Positive)
- Connect the Black Line to the negative terminal of your DC 12-24V power supply.
- Connect the Red Line to the positive terminal of your DC 12-24V power supply to illuminate the red light.

For a visual guide on wiring and functionality, please watch the following video:

Your browser does not support the video tag.

Video 1: Demonstration of LUBAN LED Signal Tower Light Wiring and Functionality. This video illustrates how to connect the power lines and activate the light, as well as how to adjust the light modes and the rotatable base.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Once properly wired, the light tower will illuminate when power is supplied to the corresponding color line. Disconnect power to turn off the light.

5.2 Switching Light Modes (Continuous/Flashing)

Each light tier is equipped with a small switch to toggle between continuous (steady on) and flashing light modes. This switch is located on the internal LED board of each layer.

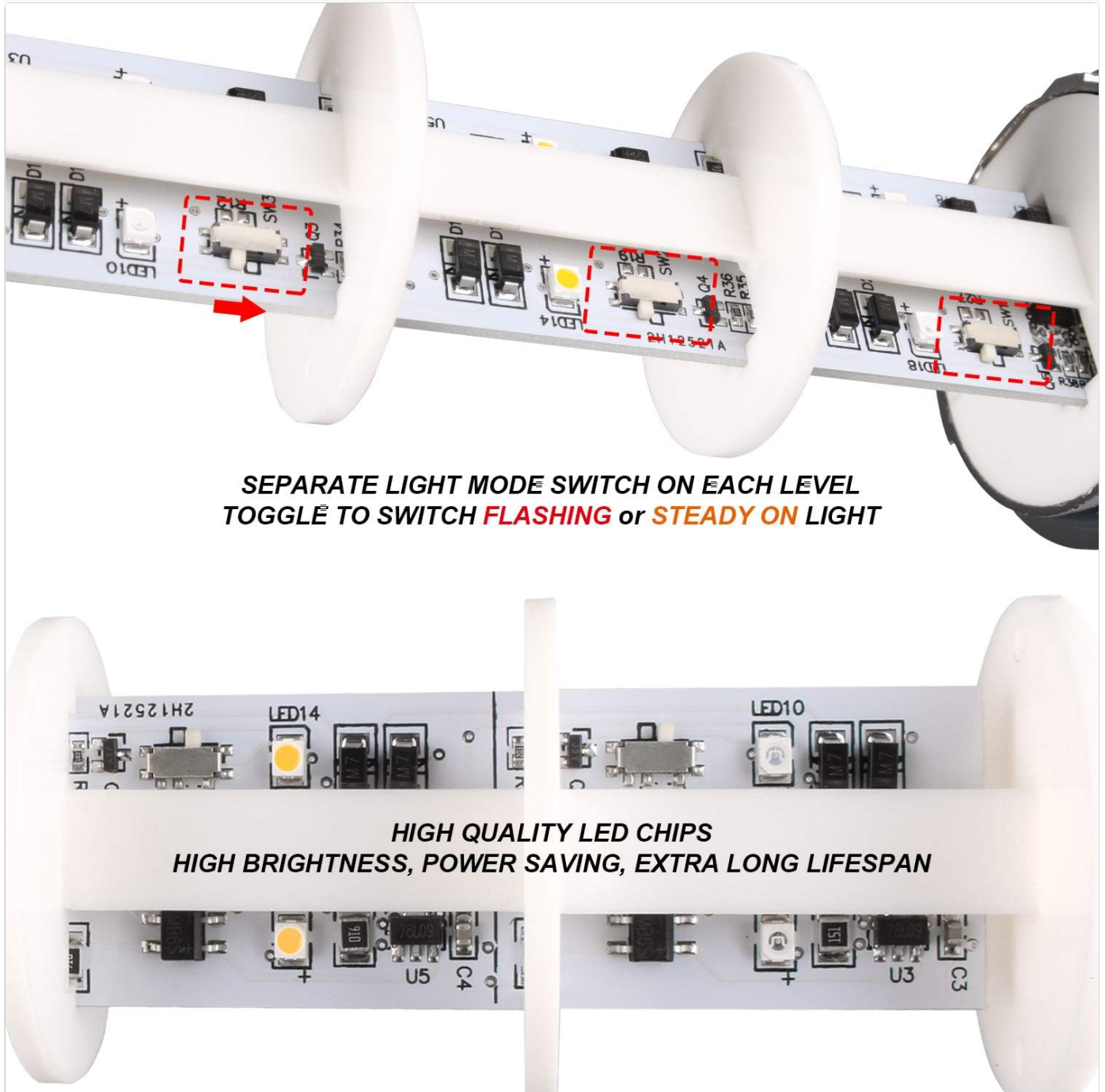


Figure 4: Internal LED Chips and Mode Switch

1. Carefully unscrew the lampshade of the desired light layer.
2. Locate the small toggle switch on the LED circuit board.
3. Flip the switch to select either continuous or flashing mode.
4. Gently reattach and screw the lampshade back into place, ensuring a secure fit to maintain IP54 rating.

The video in Section 4.2 also demonstrates the process of changing light modes by accessing the internal switch.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LUBAN LED Stack Tower Light.

- **Cleaning:** Periodically wipe the exterior of the light tower with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the wiring for any signs of damage, fraying, or loose connections. Ensure the mounting is secure.
- **Lampshade:** The lampshade features a spin connection for easy opening and closing, which also helps prevent water droplets and dust from entering. Ensure it is always securely fastened after any internal adjustments.



Figure 5: Spin Connection for Lampshade

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not illuminate.	No power supply; incorrect wiring; faulty LED.	Check power connection and voltage. Verify wiring according to Figure 3. Contact support if LED is faulty.
Light is dim or flickers.	Insufficient power; loose connection; damaged wiring.	Ensure stable power supply. Check all wire connections for tightness. Inspect wiring for damage.
Cannot switch between continuous/flashing modes.	Switch not properly toggled; internal mechanism issue.	Ensure the internal switch is fully toggled. Refer to Section 5.2.

8. SPECIFICATIONS

This section details the technical specifications of the LUBAN LED Stack Tower Light (Model: XHD03-1C-24V-WS-F).





Figure 6: Product Dimensions (1-Layer Model)

Feature	Detail
Brand	LUBAN
Model Number	XHD03-1C-24V-WS-F
Voltage	DC 12 to 24V
Light Source Type	LED (Light Emitting Diode)
Number of Layers	1 (Red)
Buzzer	No Buzzer (for this specific model)
Light Modes	Continuous / Flashing (Switchable)
Material	Plastic
Color	Red
Ingress Protection (IP) Rating	IP54 (Dust and moisture resistant)
NEMA Rating	NEMA 5
Mounting Type	Wall Mount or Pole Mount (180-degree rotatable bracket)
Product Dimensions (L x W x H)	2.76" x 7.09" x 2.76" (7.0 cm x 18.0 cm x 7.0 cm)
Item Weight	5.9 ounces (167.26 grams)
Lifespan	100,000 hours (LED chips)

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact your retailer or the manufacturer directly. Keep your

purchase receipt as proof of purchase.

