

LUBAN AMZ-XHD02-3C-24V-WS

LUBAN Industrial Signal Tower Light (3-Layer, DC 12-24V)

Model: AMZ-XHD02-3C-24V-WS

1. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure power is disconnected before installation or maintenance.
- Verify the power supply voltage (12V/24V DC) matches the product specifications.
- Do not expose the device to extreme temperatures or corrosive environments.
- Avoid direct eye exposure to the LED light.
- Installation should be performed by qualified personnel in accordance with local electrical codes.

2. PACKAGE CONTENTS

- 1 x LUBAN Industrial Signal Tower Light (3-Layer, Red/Yellow/Green)
- 1 x Rotatable Mounting Base
- Mounting Hardware (screws, anchors)
- Instruction Manual

3. PRODUCT OVERVIEW

Features

- High intensity LED signal light for clear visibility.
- Low power consumption and long LED lifespan (100,000 hours).
- Each light tier can be switched between continuous (steady) or flashing modes.
- Rated IP54 for dust and moisture protection.
- Durable plastic construction.
- 180-degree rotatable mounting base for flexible positioning.

Components

The LUBAN Industrial Signal Tower Light consists of three colored LED layers (Red, Yellow, Green) mounted on a rotatable base. Each layer contains high-brightness LED beads.



Figure 3.1: LUBAN Industrial Signal Tower Light with Red, Yellow, Green layers and rotatable mounting base.

The rotatable base allows for versatile mounting options, enabling the light to be positioned optimally for visibility.



Figure 3.2: Various LUBAN Signal Tower Light configurations.

4. SETUP

4.1 Installation

1. Select a suitable mounting location, ensuring it is stable and provides clear visibility.
2. Use the provided mounting hardware to securely attach the rotatable base to the desired surface (e.g., wall, ceiling, machinery).
3. The base allows for 180-degree rotation. Adjust the angle of the signal tower as needed after mounting.

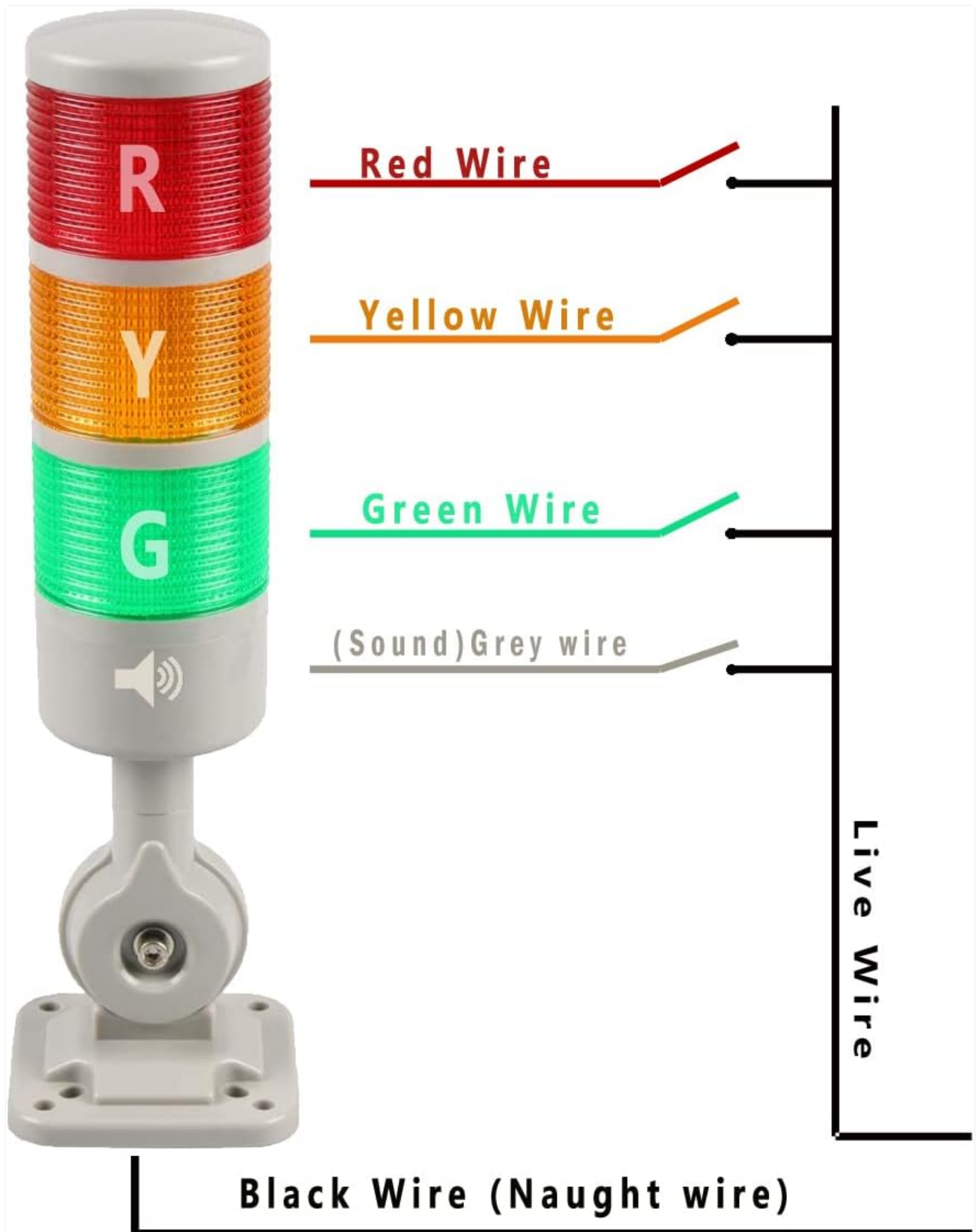


Figure 4.1: The 180-degree rotatable mounting base.

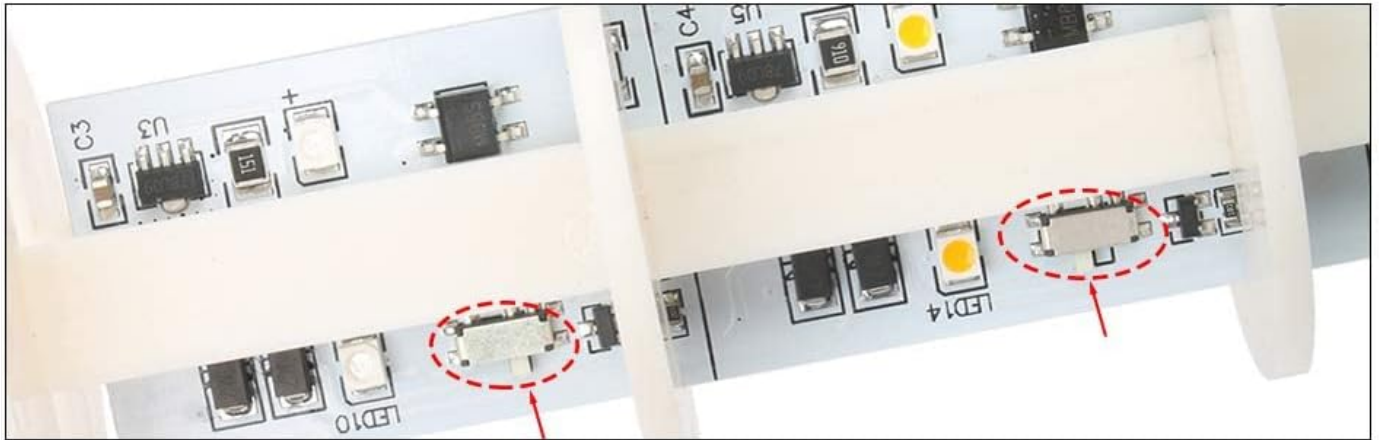
4.2 Wiring

The signal tower operates on 12V/24V DC. It features multiple wires for connection:

- **Black Wire:** Common (Negative/Naught wire).
- **Red Wire:** Controls the Red light.

- **Yellow Wire:** Controls the Yellow light.
- **Green Wire:** Controls the Green light.

Connect the black wire to the negative terminal of your DC power supply. Connect the individual color wires to the positive terminal of your DC power supply, or to control switches, to activate the respective lights. Polarity does not matter for the individual color wires, allowing for NPN or PNP configurations.



**SEPARATE LIGHT MODE SWITCH ON EACH LEVEL
TOGGLE TO SWITCH *FLASHING* or *STEADY ON* LIGHT**

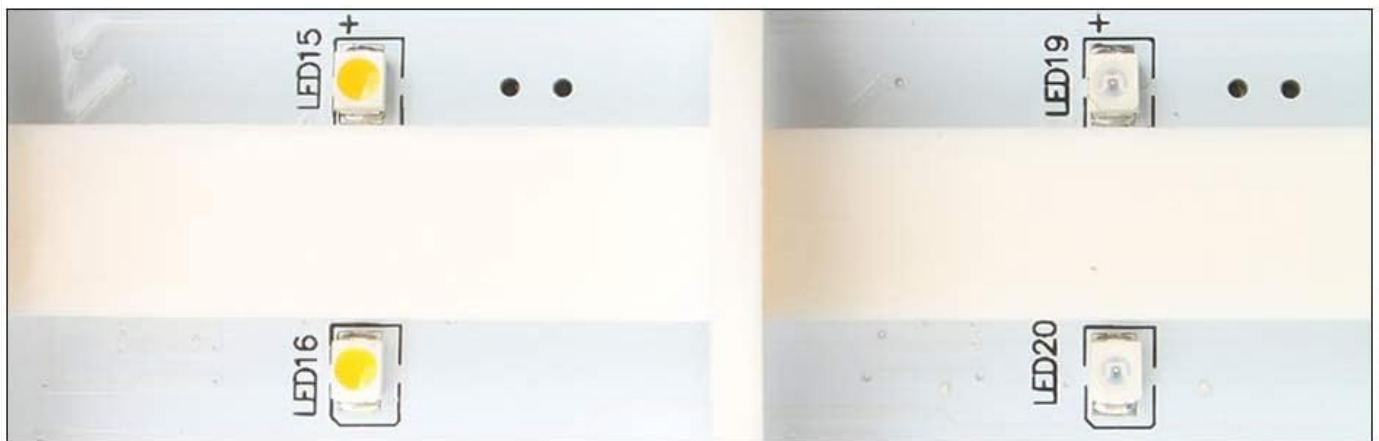


Figure 4.2: Wiring Diagram.

For a visual guide on wiring and operation, please refer to the video below:

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Video 4.1: Demonstration of wiring and basic operation for the LUBAN LED Signal Tower Light.

5. OPERATING INSTRUCTIONS

5.1 Powering On

Once wired correctly, apply 12V or 24V DC power to the signal tower. The lights will illuminate according to their

individual settings.

5.2 Switching Light Modes (Steady/Flashing)

Each individual light layer (Red, Yellow, Green) has an internal switch to select between steady (continuous) and flashing light modes. To access these switches:

1. Carefully twist and remove the colored lens cover for the desired light layer.
2. Locate the small toggle switch on the LED circuit board for that layer.
3. Toggle the switch to select either the steady or flashing mode.
4. Replace the lens cover securely.



Figure 5.1: Internal switches for light mode selection.

6. MAINTENANCE

- **Cleaning:** Periodically clean the exterior of the signal tower with a soft, damp cloth. Avoid abrasive cleaners or

solvents.

- **Inspection:** Regularly inspect the wiring for any signs of damage or loose connections. Ensure the mounting base remains secure.
- **LED Longevity:** The LEDs have a long lifespan and typically do not require replacement.

7. TROUBLESHOOTING

- **Light not illuminating:**
 - Check power supply connection and ensure correct voltage (12V/24V DC).
 - Verify wiring connections are secure and correct.
 - Ensure the individual light switch is in the desired position (steady or flashing).
- **Light not flashing/staying steady:**
 - Remove the lens cover and check the position of the internal mode switch for that specific light layer.
- **Intermittent operation:**
 - Inspect all wiring for loose connections or damage.
 - Ensure the power supply is stable.

8. SPECIFICATIONS

Feature	Specification
Model Number	AMZ-XHD02-3C-24V-WS
Brand	LUBAN
Color	RED/YELLOW/GREEN
Voltage	12V/24V DC
Number of Light Sources	3
Light Source Type	Light Emitting Diode (LED)
Light Modes	Steady/Flashing Switchable
Material	Plastic (Polycarbonate PC)
Ingress Protection (IP) Rating	IP54
Mounting Type	Rotatable Ceiling Mount
Item Weight	0.25 Kilograms
Dimensions (L x W x H)	2.76"L x 2.76"W x 10.43"H

9. WARRANTY AND SUPPORT

This LUBAN Industrial Signal Tower Light comes with a **2-year warranty** to protect against manufacturer defects and malfunctions.

For technical support, troubleshooting assistance, or warranty claims, please contact your retailer or the manufacturer.

directly. Please have your model number (AMZ-XHD02-3C-24V-WS) and proof of purchase available when contacting support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question