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## Barrina BAO50

# Barrina T8 LED Shop Light Instruction Manual

MODEL: BAO50

Thank you for choosing the Barrina T8 LED Shop Light. This manual provides important information for safe installation, operation, and maintenance of your new lighting fixture. Please read it thoroughly before use and retain it for future reference.

## 1. Important Safety Instructions

- Always turn off the power supply at the circuit breaker before installing, cleaning, or performing any maintenance on the fixture.
- This product is intended for indoor use only. Do not expose to water or moisture.
- Ensure all connections are secure and properly insulated to prevent electrical hazards.
- Do not look directly into the LED light source when illuminated, as it may cause eye strain.
- Use only with compatible Barrina GM Series Cords for linking.
- If you are unsure about any part of the installation, consult a qualified electrician.

## 2. Package Contents

Your Barrina T8 LED Shop Light package includes the following items:

- T8 LED Shop Lights (10 units)
- Power Cords with On/Off Switch (59 inches)
- Connecting Cables (48 inches, for linking lights)
- Hard Wiring Connectors
- Mounting Clips and Screws
- Instruction Manual

# PACKING LIST



**10**  
**-PCS**

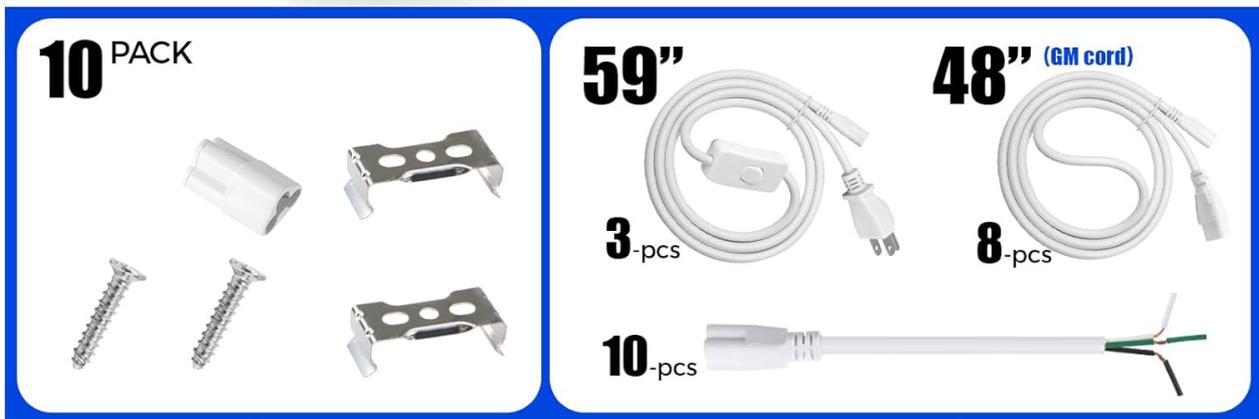


Figure 2.1: Contents of the Barrina T8 LED Shop Light 10-pack.

### 3. Product Specifications

Specification	Detail
Brand	Barrina
Model Number	BAO50
Size	5FT (58.5"L x 4"W x 3"H)
Wattage	50 Watts
Brightness	6500 Lumens
Color Temperature	6500 Kelvin (Super Bright White)
Material	Aluminum, Polycarbonate (PC)
Beam Angle	270-degree (V-Shape Design)

Linkable	Yes, up to 5 lights in a series
Installation Type	Surface Mount
Power Source	AC
Control Method	Push Button (on power cord)
Certifications	ETL Listed



Figure 3.1: Product dimensions and key specifications.

# CERTIFIED PRODUCT



THE SAFETY AND QUALITY OF OUR  
LED TUBES IS BACKED BY  
**CE, RoHS, ETL** CERTIFICATES.



Figure 3.2: ETL certification for safety and quality.

## 4. Setup and Installation

The Barrina T8 LED Shop Light is designed for easy installation with two primary methods: plug-in or hardwire. The linkable design allows you to connect multiple fixtures for extended lighting coverage.

### 4.1 Mounting the Fixtures

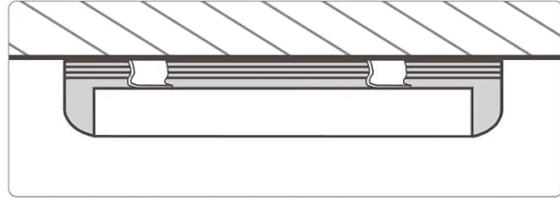
1. **Screw the clips:** Secure the provided mounting clips to your desired wall or ceiling location using the screws. Ensure the clips are spaced appropriately to support the 5FT light fixture.
2. **Push and secure:** Gently push the LED fixture into the installed clips until it snaps securely into place.

# INSTALLATION

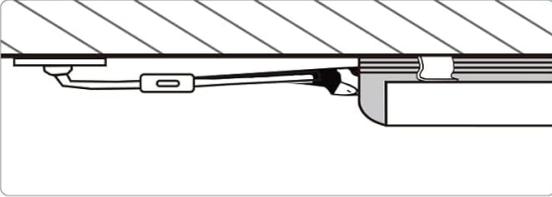
**01** Screw the clips to the wall or ceiling



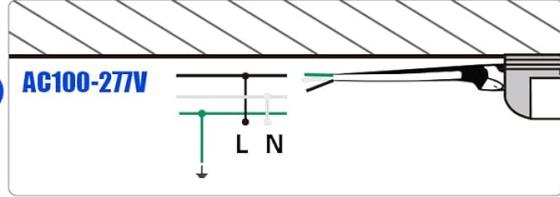
**02** Push and secure LED fixture into the clips



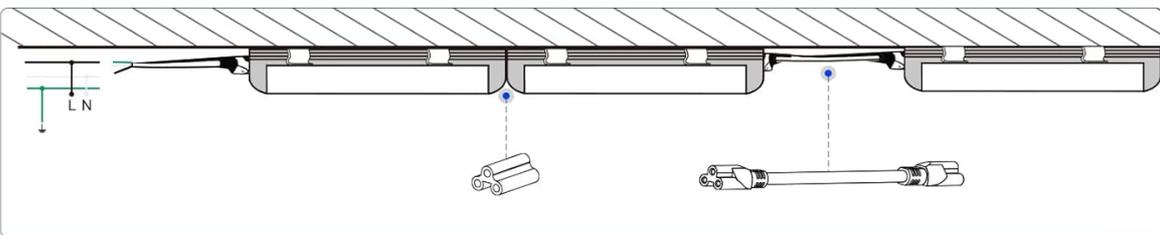
**03** Power connection  
OR Hardwired connection



or



Can connect up to **FIVE**



**Hardwire**



- |          |   |         |   |                |
|----------|---|---------|---|----------------|
| ● Brown  | = | ● Black | = | Live wire      |
| ● Blue   | = | ● White | = | Neutral wire   |
| ● Yellow | = | ● Green | = | Grounding wire |

Figure 4.1: Step-by-step guide for mounting the LED fixtures.

## 4.2 Power Connection Methods

You have two options for connecting power to your Barrina T8 LED Shop Lights:

- **Plug-in Connection:** Use the provided 59-inch power cord with an on/off switch. Simply plug the male end of the power cord into the female end of the first LED fixture, and then plug the power cord into a standard AC outlet.
- **Hardwire Connection:** For a more permanent installation, use the provided hardwire connector. This method requires electrical wiring knowledge. Connect the live, neutral, and ground wires from your electrical system to the corresponding wires on the hardwire connector. Then, connect the hardwire connector to the LED fixture.

# 2 INSTALLATION WAYS

## Hardwire



Figure 4.2: Visual guide for plug-in and hardwire connection options.

### 4.3 Linking Multiple Lights

The Barrina T8 LED Shop Lights feature a male-female end design, allowing you to link up to 5 lights in a series using the provided connecting cables or short connectors. This design enhances security by preventing simultaneous power input from both ends of the fixture, minimizing short-circuit risks.

- **Using Connecting Cables:** Connect the male end of a connecting cable to the female end of one fixture, and the female end of the cable to the male end of the next fixture.
- **Using Short Connectors:** For a seamless, direct connection between two fixtures, use the male-to-female short connector.

# 2 CONNECTION METHODS

**⚠ NOTICE:**

To connect new and old lighting fixtures, please use the male-female connector cable included with the new model. For assistance, please contact the seller.



Figure 4.3: Illustration of connecting multiple lights using cables and short connectors.

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Video 4.1: Demonstrates how to connect Barrina T8 male and female light fixtures using various connectors.

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Video 4.2: Overview of Barrina LED Shop Lights, highlighting brightness and ease of installation.

## 5. Operating Instructions

Operating your Barrina T8 LED Shop Light is straightforward:

- If using the plug-in method, simply use the on/off switch located on the power cord to turn the lights on or off.
- If hardwired, operate the lights using the wall switch connected to the circuit.

The 6500K color temperature provides a super bright white light, ideal for various applications such as garages, workshops, basements, warehouses, and more. The V-shape design ensures a wide 270-degree beam angle, illuminating every corner effectively.



Figure 5.1: Barrina T8 LED Shop Light providing high output illumination in a warehouse.



Figure 5.2: Barrina T8 LED Light Fixture illuminating a garage space.

## 6. Maintenance

To ensure optimal performance and longevity of your Barrina T8 LED Shop Light, follow these maintenance guidelines:

- **Cleaning:** Before cleaning, always disconnect the power supply. Use a soft, dry cloth to wipe the fixture. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **Inspection:** Periodically inspect the wiring and connections for any signs of wear, damage, or loose connections. Address any issues promptly.
- **Bulb Replacement:** These are integrated LED fixtures, meaning the LED chips are not user-replaceable. If the light stops functioning, the entire fixture may need replacement.

## 7. Troubleshooting

If you encounter issues with your Barrina T8 LED Shop Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Loose connection; Faulty switch	Check power outlet/circuit breaker; Ensure all cables are securely connected; Test the on/off switch or wall switch.
Light flickers	Loose connection; Incompatible dimmer switch (not dimmable); Power fluctuations	Check connections; Ensure no dimmer switch is used as these lights are not dimmable; Consult an electrician for power issues.
Lights in a linked series do not all turn on	Exceeded maximum linkable lights; Faulty connecting cable; Loose connection in series	Ensure no more than 5 lights are linked in a single series; Check all connecting cables for damage; Verify secure connections between all linked fixtures.

## 8. Warranty and Support

Barrina T8 LED Shop Lights come with a 3-year warranty. If you experience any issues with your product within this period, please contact Barrina customer service for assistance. They are committed to providing innovative lighting solutions and stand behind their products.

For further support or inquiries, please visit the official Barrina store or contact their customer service directly.

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Video 8.1: Barrina's commitment to quality and customer satisfaction.