

Barrina AAL20

Barrina LED T5 Integrated Single Fixture (Model AAL20) User Manual

Model: AAL20 | Brand: Barrina

INTRODUCTION

Thank you for choosing the Barrina LED T5 Integrated Single Fixture. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting product. Please read this manual thoroughly before installation and retain it for future reference.

This fixture is designed for various indoor applications, including garages, workshops, basements, storage areas, and under-cabinet lighting, providing bright, energy-efficient illumination.

SAFETY INFORMATION

WARNING: To avoid electric shock, always disconnect power before installation or servicing.

- Ensure the power supply is turned off at the circuit breaker before beginning installation.
- This product is intended for indoor use only. Do not expose to water or moisture.
- Do not attempt to modify the fixture. Any modifications may void the warranty and create safety hazards.
- If you are unsure about the installation process, consult a qualified electrician.
- Do not connect to motion sensors, as this may shorten the lifespan of the product.
- When connecting new and old products, ensure to use the new male-female connector cables for safety.

PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 8 x Barrina T5 4ft LED Shop Lights
- 4 x Power Cords with ON/OFF Switch (59 inches each)

- 7 x Connecting Cords (47 inches each)
- 8 x Small Connectors
- 16 x Installation Clips
- 2 x Hardwire Connectors
- End Caps
- Screws (for installation clips)

PACKING LIST



8
-PCS

8 PACK



4 PCS
59 inches



2 PCS

7 PCS
47 inches

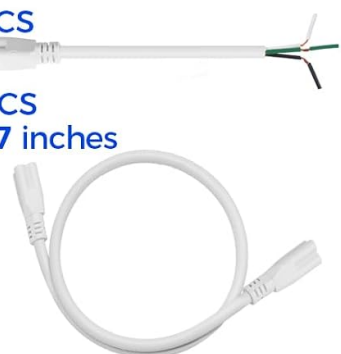


Image: Contents of the Barrina LED T5 Integrated Single Fixture 8-pack. Shows the 8 light tubes, 4 power cords with switches, 7 connecting cords, 8 small connectors, 16 installation clips, 2 hardwire connectors, end caps, and screws.

SPECIFICATIONS

Feature	Detail
Brand	Barrina
Model Number	AAL20
Light Source	LED
Wattage	20 Watts per fixture

Brightness	2200 Lumens per fixture
Color Temperature	6500K (Super Bright White)
Voltage	120 Volts
Material	Aluminum, Polycarbonate
Dimensions (L x W x H)	46.1"L x 1.4"W x 0.9"H (4FT)
Connectivity	Linkable (up to 8 lights in series)
Control Method	Push Button (ON/OFF switch on cord)
Installation Type	Surface Mount (Ceiling, Under Cabinet)
Certification	ETL Listed

INSTALLATION

The Barrina LED T5 fixtures offer flexible installation options: plug-and-play with power cords or hardwiring. Each fixture is lightweight and designed for easy mounting.

Step 1: Plan Your Layout

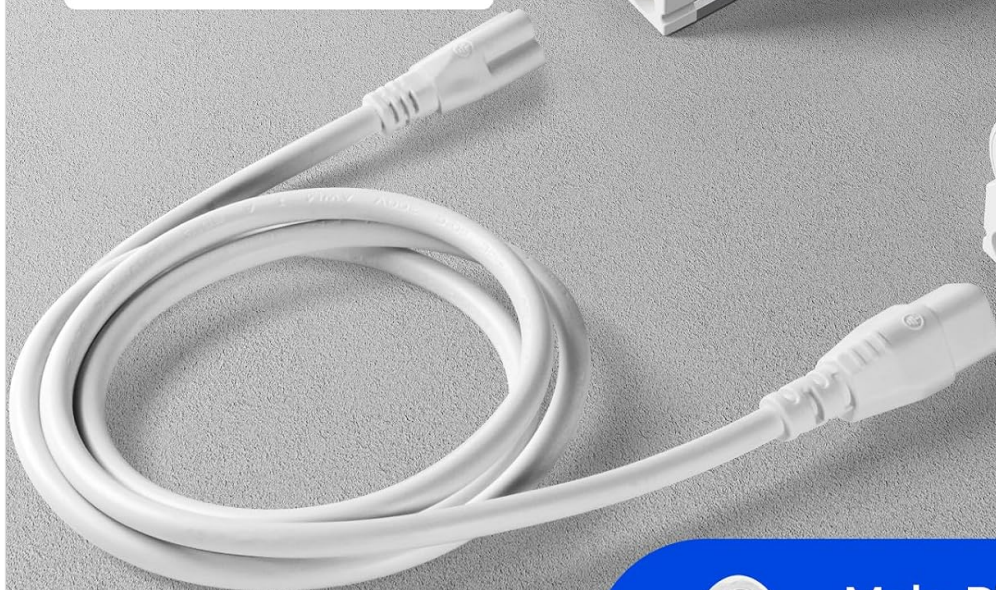
Determine the desired location for your lights. Consider the area you need to illuminate and how many fixtures will be connected. Up to 8 lights can be connected in series.



Female Plug Into the Male

⚠ 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.



Male Plug Into the Female

Image: Example layout of multiple Barrina LED T5 fixtures installed in a garage, demonstrating how they can be linked to cover a large area.

Step 2: Mount the Installation Clips

1. Mark the positions for the installation clips on your ceiling or under-cabinet surface. Each 4ft fixture requires two clips.
2. Securely fasten the installation clips using the provided screws. Ensure the clips are firmly attached to a stable surface.

PACKING LIST



8
-PCS

8 PACK



4 PCS
59 inches



2 PCS

7 PCS
47 inches (GM cord)



Image: Detailed view of an installation clip with a screw, showing the mounting mechanism for the light fixtures.

Step 3: Attach the LED Fixtures

Carefully snap each LED fixture into the mounted installation clips. The clips are designed to hold the fixture securely while allowing for slight adjustments.

Step 4: Connect the Lights (Linkable Option)

For connecting multiple fixtures in series:

- Use the provided small connectors to directly link fixtures end-to-end.
- Alternatively, use the 47-inch connecting cords to space out fixtures.
- **Important:** If connecting new and old generation Barrina products, use the new male-female connector cables to ensure compatibility and safety.



Image: Two Barrina LED T5 fixtures connected by a 47-inch cord, demonstrating the extendable design.

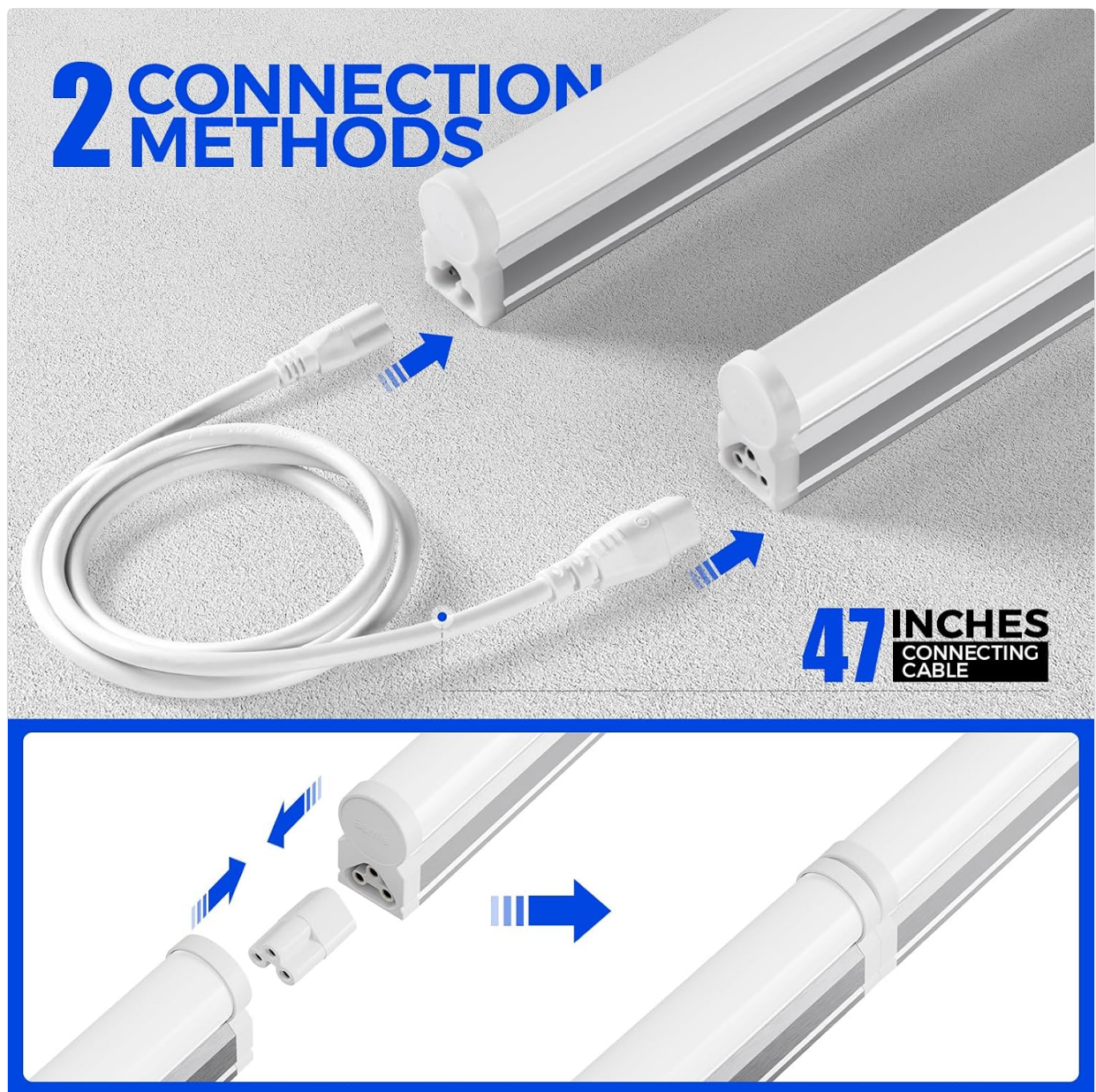


Image: Detailed view of male and female connectors, highlighting the importance of using the correct cables for connecting different generations of fixtures.

Step 5: Power Connection

Choose one of the following methods to power your lights:

- **Plug-and-Play:** Connect the power cord with the ON/OFF switch to the first fixture in your series, then plug it into a standard 120V AC outlet.
- **Hardwire:** For a permanent installation, use the provided hardwire connectors. This method requires electrical knowledge and should be performed by a qualified professional.

2 INSTALLATION WAYS



59 INCHES
POWER CORD

Hardwire

Image: Illustration of the two power connection methods: plug-and-play with a 59-inch power cord and hardwiring.

Installation Videos:

Your browser does not support the video tag.

Video: Official Barrina video demonstrating the installation and use of the LED T5 shop lights in a garage setting. This video highlights the ease of installation and the bright illumination provided.

OPERATION

Operating your Barrina LED T5 Integrated Single Fixture is straightforward:

- Once the fixture(s) are installed and connected to a power source, use the ON/OFF switch located on the power cord to turn the lights on or off.
- If multiple fixtures are linked in series and connected to a single power cord, all connected lights will operate simultaneously with that switch.

MAINTENANCE

To ensure the longevity and optimal performance of your Barrina LED T5 fixtures, follow these maintenance guidelines:

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the fixture. Avoid abrasive cleaners or solvents that could damage the finish or electrical components.
- **Inspection:** Periodically inspect the power cords and connections for any signs of wear, damage, or loose connections. Address any issues promptly.
- **Environment:** Ensure the fixtures are used in a dry, indoor environment as specified. Avoid exposure to extreme temperatures or humidity.

TROUBLESHOOTING

If you encounter issues with your Barrina LED T5 fixtures, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty switch.	Check if the power cord is securely plugged in. Verify the wall outlet has power. Ensure the ON/OFF switch is in the "ON" position. Check all connecting cords for secure connections.
Lights flicker or dim.	Loose connection, incompatible power source (e.g., dimmer switch), exceeding maximum linkable units.	Ensure all connections are tight. Do not use with dimmer switches or motion sensors. Verify you have not exceeded the maximum of 8 linked fixtures per power source.
Only some lights in a series are working.	Faulty connecting cord or small connector, faulty individual fixture.	Inspect the connections between the working and non-working fixtures. Test individual fixtures if possible to identify a faulty unit. Replace any damaged connecting cords or connectors.

WARRANTY & SUPPORT

Barrina LED T5 Integrated Single Fixtures come with a **3-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or any questions regarding your product, please contact Barrina customer service through their official channels or visit their store on Amazon:

[Visit the Barrina Store on Amazon](#)

Please have your purchase information and model number (AAL20) ready when contacting support.