

Barrina INWT808044650010

Barrina T8 LED Light Tube User Manual

Model: INWT808044650010

1. INTRODUCTION

This manual provides instructions for the safe and efficient installation, operation, and maintenance of your Barrina T8 LED Light Tubes. Please read this manual thoroughly before installation and retain it for future reference.



Image 1.1: An illuminated Barrina T8 LED Light Tube, showcasing its bright, uniform light output.

2. SAFETY INFORMATION

- **WARNING:** Risk of electric shock. Disconnect power before installation, inspection, or removal.
- Installation should be performed by a qualified electrician or trained personnel.
- Ensure the supply voltage is compatible with the product's specifications (AC85~275V).
- Do not use in enclosed fixtures unless specifically rated for such use.
- Do not disassemble or modify the LED tube. There are no user-serviceable parts inside.
- Avoid direct eye exposure to the light source when illuminated.
- This product is designed for **indoor use only**.

3. PACKAGE CONTENTS

Each package contains:

- 12 units of 8ft Barrina T8 LED Light Tubes (6500K)

MANUAL

Double-Ended Installation Guide

- (1).Turn off switch and disconnect power to fixture at source.
- (2).Remove existing fluorescent tubes and safely set aside.
- (3).Disconnect (cut) wires to ballast and remove ballast.
- (4).See wiring diagram shown below for fixture rewiring instructions.
- (5).Install LED retrofit tube(s) into fixture.
- (6).Re-connect power supply and turn on switch.

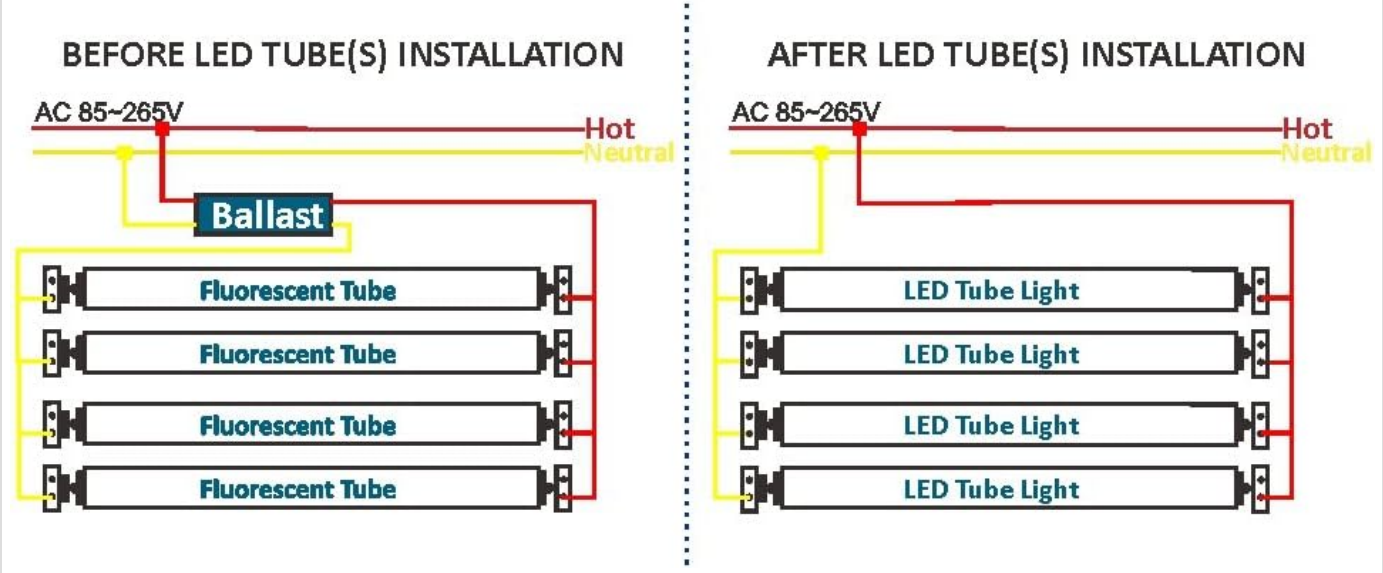


Image 3.1: Barrina T8 LED Light Tube secured within its protective cardboard packaging.

4. SPECIFICATIONS

Attribute	Value
Model Number	INWT808044650010
Length	96 inches (8 feet)
Power Consumption	44 Watts
Color Temperature (CCT)	6500 Kelvin (Bright White)
Luminous Flux	4500 Lumens
Beam Angle	160 degrees

Attribute	Value
Color Rendering Index (CRI)	85
Lamp Power Factor	0.95
Input Voltage	AC85~275V
Material	Aluminum, Polycarbonate (PC)
Average Lifespan	50,000 hours
Indoor/Outdoor Usage	Indoor Only
Bulb Shape Size	T8
Incandescent Equivalent	100 Watts
Special Features	Dual-ended power, Frosted cover, Non-dimmable, Mercury-free

5. FEATURES

- Constructed with high-quality Aluminum and Polycarbonate (PC) for durability.
- Provides 4500 lumens of light output at only 44W, offering high efficiency.
- Designed for quiet operation with no buzzing ballasts and flicker-free illumination.
- Environmentally friendly: mercury-free, no hazardous materials, and no UV or IR radiation.
- Features a frosted cover to reduce glare and enhance eye comfort.
- Simple installation process, requiring removal or bypass of existing ballast.
- Emits a 6500K super bright white light, suitable for various indoor environments.
- Long service life of over 50,000 rated hours, significantly longer than conventional lighting.

6. INSTALLATION GUIDE (DUAL-ENDED POWER)

Follow these steps carefully for proper installation. Always ensure power is disconnected before beginning any electrical work.

1. **Turn off power:** Locate the circuit breaker controlling the fixture and turn it off. Verify power is off using a voltage tester.
2. **Remove existing fluorescent tubes:** Carefully remove the old fluorescent tubes from the fixture.
3. **Disconnect and remove ballast:** Cut the wires leading to the existing ballast and remove the ballast from the fixture.
4. **Wire the fixture:** Refer to the wiring diagram below for dual-ended power connection. Connect the live (hot) wire to one end of the fixture and the neutral wire to the other end. Ensure all connections are secure.
5. **Install LED retrofit tube(s):** Insert the Barrina T8 LED tubes into the fixture sockets.
6. **Restore power:** Once installation is complete and all connections are secure, turn the circuit breaker back on.



Image 6.1: Detailed wiring diagram illustrating the process of bypassing the ballast for dual-ended Barrina T8 LED tube installation.

Light Color

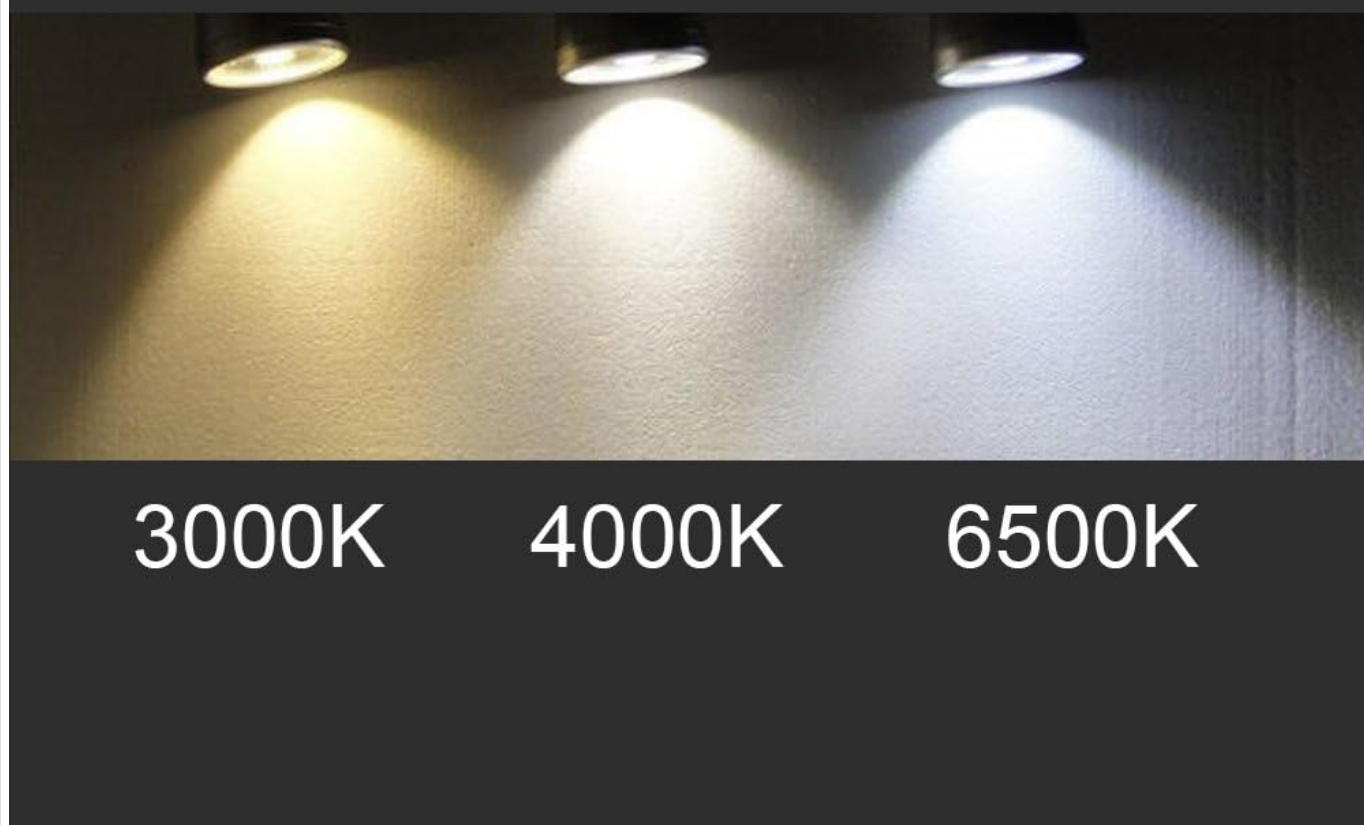


Image 6.2: A close-up view of the dual-ended pin connector on the Barrina T8 LED Light Tube, designed for direct wiring.

7. OPERATING INSTRUCTIONS

Once properly installed and powered, the Barrina T8 LED Light Tubes operate by simply activating the wall switch or power source connected to the fixture. There are no additional controls on the tubes themselves.

8. MAINTENANCE

- **Cleaning:** Ensure the power is off before cleaning. Wipe the tubes with a soft, dry, or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the tubes and wiring for any signs of damage or loose connections.
- **No User-Serviceable Parts:** The LED tubes do not contain any user-serviceable components. Attempting to open or repair the tube will void the warranty and may pose a safety risk.

9. TROUBLESHOOTING

- **Light does not turn on:**
 - Check if the power supply is connected and the circuit breaker is on.
 - Verify that the wiring connections are secure and correct according to the installation diagram.
 - Ensure the LED tube is properly seated in the fixture sockets.
- **Light flickers:**
 - Confirm that the old ballast has been completely bypassed or removed. These LED tubes are designed for direct wire installation.
 - Check for loose wiring connections.
- If issues persist after checking these points, contact customer support.

10. WARRANTY INFORMATION

Barrina T8 LED Light Tubes are covered by a **3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage due to improper installation, misuse, or unauthorized modifications.

11. CUSTOMER SUPPORT

For technical assistance, warranty claims, or any questions regarding your Barrina T8 LED Light Tubes, please contact Barrina customer support through their official website or the retailer where the product was purchased.