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A ANTEN H&PC-58318

Anten T8 LED Shop Light Tube Instruction Manual

Model: H&PC-58318

1. Introduction

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Anten T8 LED Shop Light Tube. This product is designed to replace traditional fluorescent tubes, offering energy efficiency and a bright white glow. Please read this manual thoroughly before installation and retain it for future reference.



Image 1: Anten T8 LED Shop Light Tube. This image displays the overall appearance of the Anten T8 LED tube, highlighting its standard form factor.

2. Safety Information

- **Electrical Hazard:** Always turn off power at the circuit breaker before installing or servicing the light tube. Failure to do so can result in electric shock or serious injury.
- **Qualified Personnel:** Installation should be performed by a qualified electrician or a person with a thorough understanding of electrical wiring.
- **Ballast Removal:** This LED tube requires direct wire installation and is not compatible with existing ballasts. The ballast must be removed or bypassed.
- **Indoor Use Only:** This product is intended for indoor use in dry locations.
- **Non-Dimmable:** Do not use this LED tube with dimmers. It is designed for non-dimmable circuits only.
- **Disposal:** Dispose of old fluorescent tubes and ballasts according to local regulations, as they may contain mercury or other hazardous materials.



Image 2: Safety Warning regarding Ballast. This image shows a warning label on the LED tube indicating that it must be used without a ballast.

3. Product Overview

The Anten T8 LED Shop Light Tube is a 2-foot, 10-watt, single-ended power LED tube designed for efficient lighting. It features a milky cover for diffused light and a G13 base for compatibility with standard T8 fixtures after ballast removal.

Key Features:

- **Material:** Top quality Aluminum & superior PC for durability and heat dissipation.
- **Color Temperature:** 6000K (Bright White Glow) for clear, vibrant illumination.
- **High Efficiency:** 10 Watt LED replaces normal 30 Watt Fluorescent Tube, saving energy.
- **Long Lifespan:** Rated for 50,000 hours of operation.
- **Certifications:** UL/CE/RoHS/FCC Certified for safety and quality assurance.
- **Single-Ended Power:** Designed for direct wiring to one end of the tube.



Image 3: Removable End-Cap and Single-Ended Power Input. This image highlights the design of the LED tube's end-cap, indicating its single-ended power input configuration.

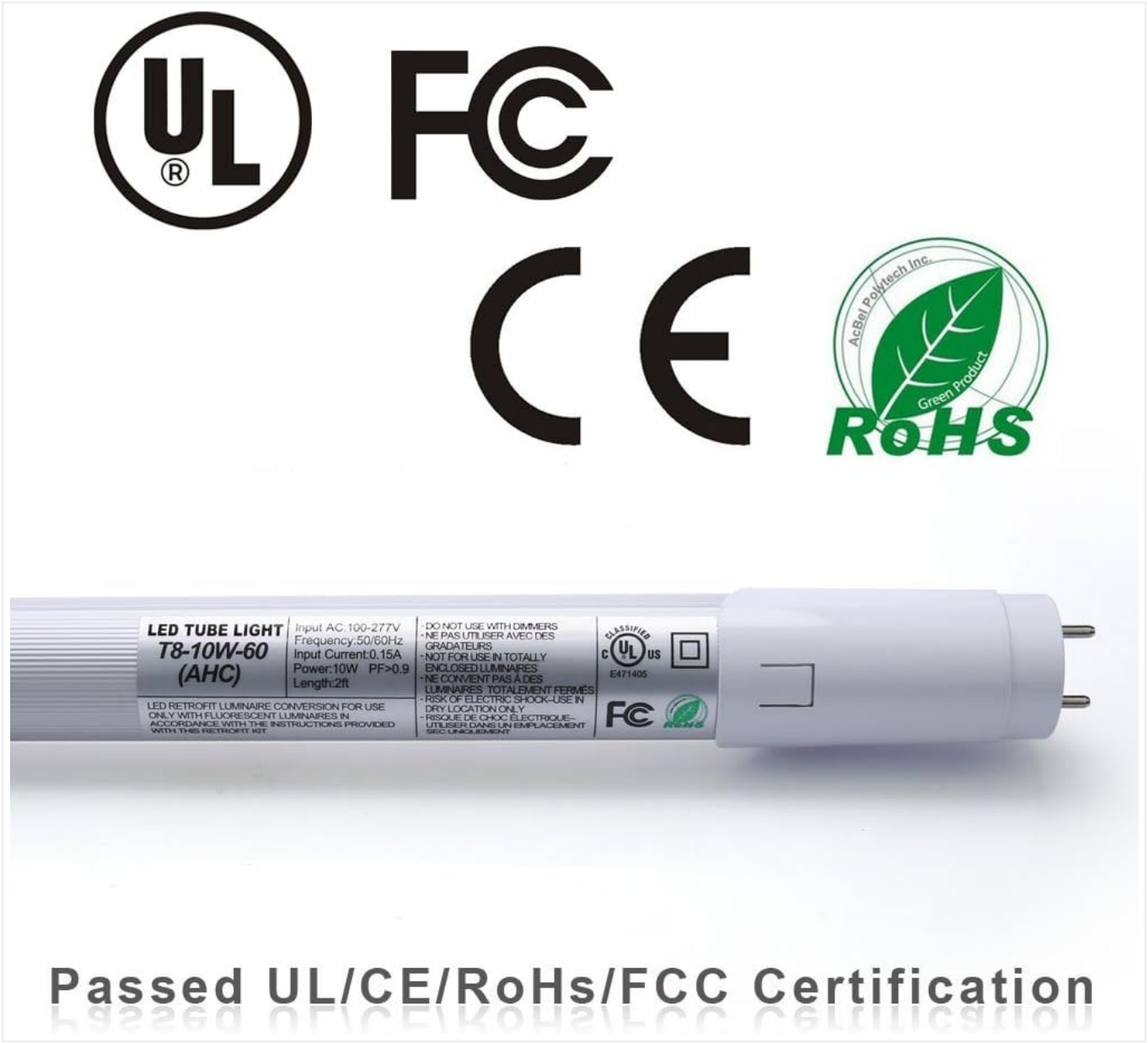


Image 4: Product Certifications. This image displays the UL, FCC, CE, and RoHS certification logos, indicating compliance with various safety and environmental standards.

4. Installation Instructions

Important: Ensure power is OFF at the circuit breaker before beginning installation. This LED tube requires direct wiring and ballast removal. Do not attempt to install this tube with an existing ballast.

Installation Steps:

1. **Step 1: Turn off Power.** Turn off the power to the light fixture at the main service panel or the circuit breaker panel before installation.
2. **Step 2: Open Fixture and Dispose of Old Tubes.** Open the diffuser (if any) and remove the fluorescent lamp tubes. Please dispose of the fluorescent lamp tubes properly as they contain mercury.
3. **Step 3: Expose Wiring and Prepare for Ballast Removal.** Open the wiring cover to expose the fluorescent lamp ballast. Check the wires of the light fixture before installation of the LED retrofit kit.
4. **Step 4: Ballast Removal and Rewiring (Magnetic Ballast).**

   If the light fixture is providing with a magnetic ballast and starter, disconnect and rewire the wires at the point as shown in Figure 1 to Figure 3 in the diagram below.

- Cut the wires connected to the ballast and starter, and Lampholders as shown. Remove the ballast and starter.
- Rewire the wires from Lampholder A to "L" (Line) and "N" (Neutral) of the supply circuit by wire nuts/connectors (Not provided with the package). Insulate or cap all unused conductors with wire connectors.

5. **Step 5: Ballast Removal and Rewiring (Electronic Ballast).**

   If the light fixture is providing with an electronic ballast, disconnect and rewire the wires at the point as shown in Figure 4 to Figure 6 in the diagram below.

   - Cut the wires connected to the electronic ballast and Lampholders as shown. Remove the electronic ballast.
   - Rewire the wires from Lampholder A to "L" (Line) and "N" (Neutral) of the supply circuit by wire nuts/connectors. Insulate or cap all unused conductors with wire connectors.

6. **Step 6: Install LED Tube.** Insert the Anten T8 LED tube into the fixture. Ensure the single-ended power input side is connected to the rewired power source.
7. **Step 7: Restore Power.** Close the fixture and restore power at the circuit breaker. Test the light.

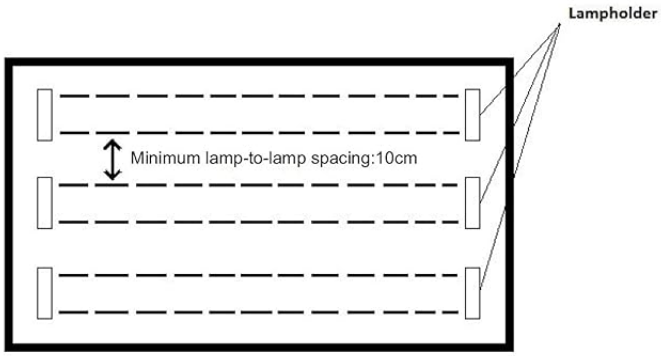
Installation

INSTALLATION OR ASSEMBLY INSTRUCTIONS

Installation steps:

Step 1:Turn off the power to the light fixture at the main service panel or the circuit breaker panel before installation.

Step 2:Open the diffuser (if any) and fluorescent tubes. Please dispose the fluorescent lamp tubes properly as they contain mercury.



Step 3:Open the wiring cover to expose the fluorescent lamp ballast. Check the wires of the light fixture before installation of the LED retrofit kit.

If the light fixture is providing with magnetic ballast and starter, disconnect and rewiring the wires at the point as shown in the following figures (see Figure 1 to Figure 3).

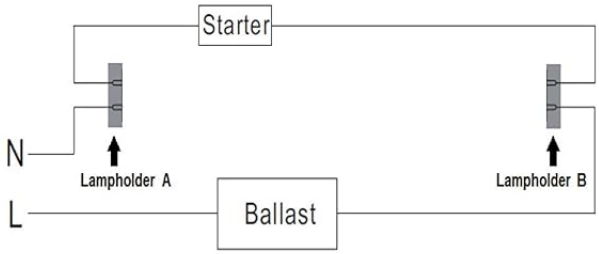


Figure 1: Before retrofit

Cut the wires connected to the ballast and starter, and Lampholders as shown. [X] Remove the ballast and starter.

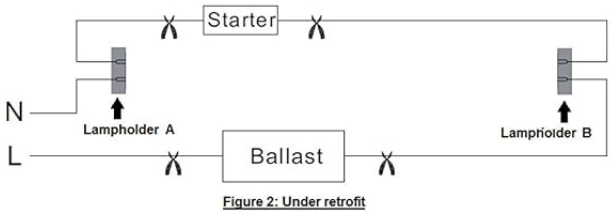


Figure 2: Under retrofit

Rewiring the wires from Lampholder A to “L” and “N” of the supply circuit by wire nuts/connectors (Not provided with the package). Insulated or capped all unused conductors with wire connectors.

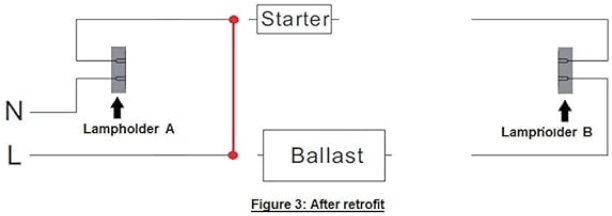


Figure 3: After retrofit

If the light fixture is providing with electronic ballast, disconnect and rewiring the wires at the point as shown in the following figures (see Figure 4 to Figure 6).

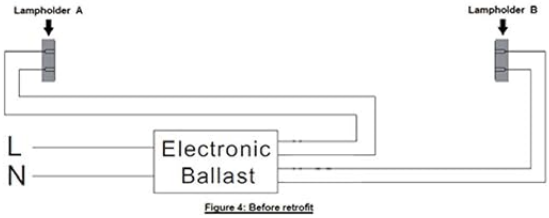


Figure 4: Before retrofit

Image 5: Detailed Installation Wiring Diagrams. This image provides visual instructions for retrofitting a fluorescent fixture to accommodate the Anten T8 LED tube, showing wiring configurations for both magnetic and electronic ballast removal.

5. Operating Instructions

Once properly installed and wired, the Anten T8 LED Shop Light Tube operates like any standard light fixture. Simply use the wall switch or power control connected to the fixture to turn the light on or off.

- **Power On:** Flip the switch to the "ON" position to illuminate the LED tube.
- **Power Off:** Flip the switch to the "OFF" position to turn off the LED tube.



Image 6: Illuminated Anten T8 LED Tube. This image shows the LED tube fully lit, demonstrating its bright white glow.

6. Maintenance

The Anten T8 LED Shop Light Tube requires minimal maintenance due to its long lifespan and durable construction.

- **Cleaning:** Ensure power is off before cleaning. Gently wipe the tube with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the tube and wiring for any signs of damage or wear. If any issues are found, turn off power immediately and consult a qualified electrician.
- **No User-Serviceable Parts:** The LED tube contains no user-serviceable parts. Do not attempt to open or repair the tube.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on.	◦ No power to the fixture. ◦ Incorrect wiring. ◦ Ballast not removed/bypassed. ◦ Loose connection.	◦ Check circuit breaker and wall switch. ◦ Review installation instructions (Section 4) and verify wiring. ◦ Ensure ballast is completely removed. ◦ Check all wire connections for tightness.
Light flickers or dims.	◦ Loose connection. ◦ Incompatible dimmer switch.	◦ Check all wire connections. ◦ This product is not dimmable. Ensure it is not connected to a dimmer switch.
Light turns off after prolonged use and won't restart immediately.	◦ Overheating protection activated.	◦ Allow the tube to cool down. Ensure adequate ventilation around the fixture. If the problem persists, consult a qualified electrician.

8. Specifications

Specification	Detail
Brand	A ANTEN
Model Number	H&PC-58318
Light Type	LED
Wattage	10 Watts
Bulb Shape Size	T8
Bulb Base	G13
Light Color	Bright White
Color Temperature	6000K - 6500K
Brightness	450 Lumen (Note: Some descriptions may vary; refer to product packaging for precise lumen output)
Special Feature	Not Dimmable
Lifespan	50,000 hours
Certifications	UL, CE, RoHS, FCC
Product Dimensions	25.2 x 3.15 x 1.57 inches (approx. 2ft length)
Item Weight	16 ounces
Input Voltage	AC100-277V

9. Warranty and Support

Warranty:

This Anten T8 LED Shop Light Tube comes with a 2-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

Customer Support:

For technical assistance, warranty claims, or further information, please contact Anten customer support. Refer to the product packaging or the official Anten website for the most current contact details.
You can visit the A ANTEN Store for more information:A ANTEN Store

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