

## JESLED JND-T88FT-FA8-A2-TC-50DW-12P

# JESLED 8FT LED Bulbs (Model JND-T88FT-FA8-A2-TC-50DW-12P) Instruction Manual

Comprehensive guide for installation, operation, and maintenance of your JESLED 8FT LED Tube Lights.

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## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your JESLED 8FT LED Bulbs. These bulbs are designed as energy-efficient replacements for traditional fluorescent tubes in various indoor settings.

## 2. IMPORTANT SAFETY INFORMATION

**WARNING: To prevent electric shock, always turn off power at the circuit breaker before installation or servicing.**

- This product requires a ballast bypass installation. Do not attempt to install these LED tubes with an existing ballast.
- Ensure the fixture is modified to supply line voltage directly to the sockets.
- Do not install fluorescent lamps into a fixture that has been modified for LED tubes.
- Not suitable for use with standard dimmers unless explicitly stated otherwise.
- Install this item away from radio, remote control doors, or similar devices, as it may cause electromagnetic interference (EMI).
- Always consult a qualified electrician if you are unsure about any installation steps.

## 3. PRODUCT OVERVIEW

The JESLED 8FT LED Bulbs are designed for high brightness and energy efficiency, serving as direct replacements for 8-foot fluorescent tubes in various indoor settings.



Figure 3.1: Overview of JESLED 8FT LED Bulbs (12-pack).

### Key Features:

- **High Brightness:** 6000+ lumens output for clear visibility.
- **Energy Saving:** Up to 65% reduction in electricity consumption compared to fluorescent tubes.
- **Long Lifespan:** Engineered for 50,000+ hours of operation, reducing maintenance.
- **Durable Construction:** Advanced aluminum design for heat dissipation and shatterproof build.
- **Easy Installation:** Dual-end powered, ballast bypass required.
- **Compatibility:** Ideal for T8, T10, and T12 fluorescent fixtures.
- **Daylight White:** 5000K color temperature for natural light.

# JESLED T8 8FT LED BULB

ETL CLASSIFIED



Intertek

Single Pin Fa8 Base

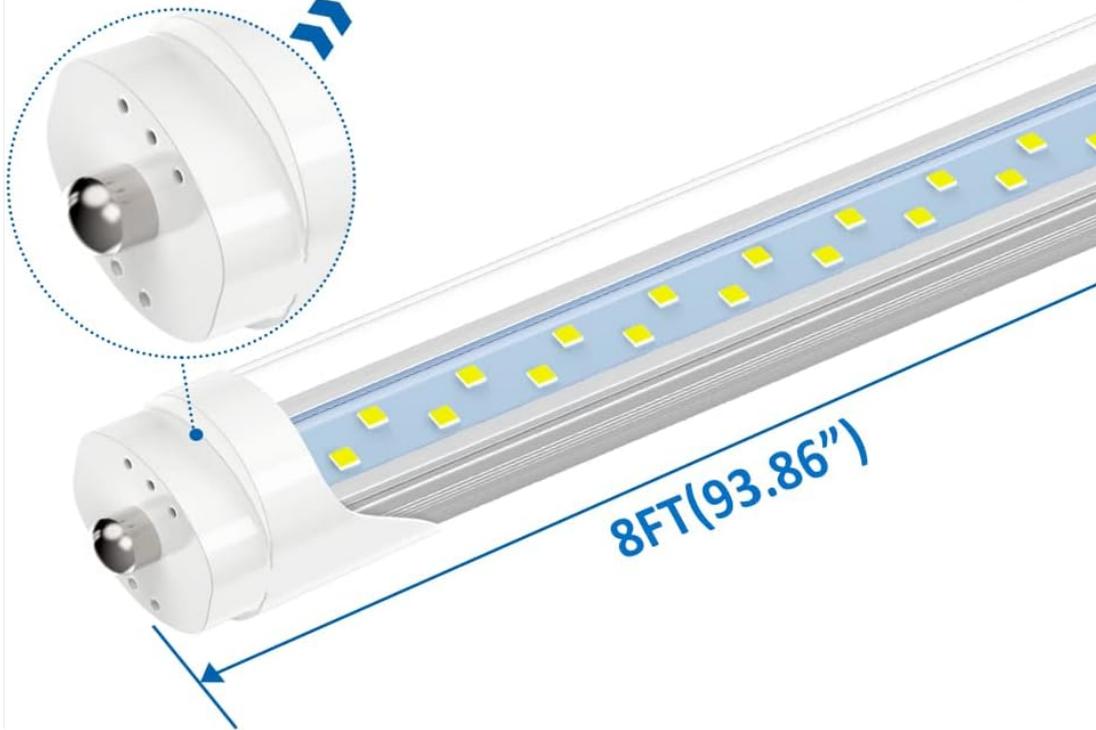


Figure 3.2: Detail of the Single Pin Fa8 Base and 8FT (93.86") length.

## Dual-row LEDs, Much brighter light!



JESLED LED Tube

Other brand

Mode	Power	LED Qty	Brightness	LED Beads
Dual-row LED	50W	336pcs	6000 Lumen	SMD2835 Epistar Chips
Single-row LED	36W	192pcs	4500 Lumen	Other Chips

Figure 3.3: JESLED LED tubes feature dual-row LEDs for brighter light output compared to single-row designs.

## 4. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	JESLED
Model Number	JND-T88FT-FA8-A2-TC-50DW-12P
Light Type	LED
Wattage	50 Watts
Incandescent Equivalent	130 Watts
Brightness	6000 Lumens
Color Temperature	5000 Kelvin (Daylight White)
Bulb Shape Size	T8
Bulb Base	Single Pin FA8
Voltage	120-277 Volts
Average Life	50,000 Hours
Material	Aluminum
Indoor/Outdoor Usage	Indoor
Color Rendering Index (CRI)	80
Beam Angle	180 Degrees
Certifications	ETL Listed

## 5. INSTALLATION INSTRUCTIONS (BALLAST BYPASS, DUAL-END POWERED)

These JESLED 8FT LED tubes require a ballast bypass installation. This means the existing ballast in your fluorescent fixture must be removed or bypassed, and the fixture rewired to directly supply line voltage to the lamp holders (tombstones).

### Tools Required:

- Wire cutters/strippers
- Screwdriver
- Wire nuts
- Electrical tape
- Voltage tester

### Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker controlling the fixture and turn off the power. Verify with a voltage tester that the power is off before proceeding.
2. **Remove Existing Fluorescent Tubes:** Carefully remove the old fluorescent tubes from the fixture.

3. **Access the Ballast:** Open the fixture to expose the wiring and the ballast.

4. **Bypass/Remove Ballast:**

Cut off all wires connected to the ballast. You will typically have a live (black) and neutral (white) wire going into the ballast, and multiple wires (often yellow, red, blue) going from the ballast to the lamp holders (tombstones).



Figure 5.1: Ballast bypass wiring diagram. Connect the live wire to one end of the LED tube and the neutral wire to the other end.

Connect the live (hot) wire from the main power supply to the wires leading to one end of the fixture's lamp holders. Connect the neutral wire from the main power supply to the wires leading to the other end of the fixture's lamp holders. Use wire nuts to secure all connections and electrical tape for added insulation.

5. **Install LED Tubes:** Insert the JESLED 8FT LED tubes into the modified fixture. Ensure the single pins are securely seated in the lamp holders.

6. **Apply Warning Label:** Affix the provided warning label to the fixture to indicate that it has been modified for LED lamps and no longer uses a ballast. This prevents accidental installation of fluorescent lamps in the future.

7. **Restore Power:** Close the fixture and turn the power back on at the circuit breaker.

## Visual Installation Guide:

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Video 5.1: Detailed installation guide for 8FT T8 LED Tube Lights with FA8 Single Pin Ballast Bypass. This video demonstrates the wiring process for converting a fluorescent fixture to LED.

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Video 5.2: Installation steps for Barrina T8 LED 8FT Tube Light, illustrating the ballast bypass process. This video provides a visual walkthrough of the wiring and tube insertion.

## 6. OPERATING INSTRUCTIONS

JESLED 8FT LED Bulbs are designed for simple operation once correctly installed:

- **Instant On:** These LED tubes provide instant illumination with no flickering or warm-up time.
- **Non-Dimmable:** These specific models are non-dimmable. Do not attempt to use them with standard dimmer switches, as this may damage the bulbs or the dimmer.
- **Optimal Performance:** For best performance, ensure the bulbs are used within their specified voltage range (120-277 Volts).

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Video 6.1: Demonstration of the super bright output of the T8 8FT LED Bulb, showcasing its instant-on feature and daylight white illumination.

## 7. MAINTENANCE

JESLED LED bulbs require minimal maintenance due to their long lifespan and durable construction.

- **Cleaning:** Ensure power is off before cleaning. Gently wipe the tubes with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the tubes and wiring for any signs of damage or loose connections. Address any issues promptly.
- **Lifespan:** With an average lifespan of 50,000 hours, these bulbs are designed to last over 5 years with typical use, significantly reducing the frequency of replacements.

## 8. TROUBLESHOOTING

If you encounter issues with your JESLED LED bulbs, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
LED tube does not light up	No power to the fixture; incorrect wiring; loose connection; faulty tube.	Check circuit breaker. Verify wiring connections (live to one end, neutral to other). Ensure tubes are securely seated. Test with a known working tube.
Flickering or inconsistent light	Loose connection; incompatible dimmer (if used); EMI.	Check all wiring connections. Ensure no dimmer is used, as these bulbs are non-dimmable. Relocate away from sources of strong electromagnetic interference.
Radio or garage door opener interference	Electromagnetic Interference (EMI) from the LED driver.	Install the LED tubes away from sensitive electronic devices. Ensure proper grounding of the fixture.
Tube sags in the middle	Lack of central support for 8FT tubes.	Install additional support clips in the middle of the 8FT tube to prevent sagging.

## 9. WARRANTY AND SUPPORT

JESLED provides a **3-year unlimited customer service warranty** for these LED bulbs. If you are not satisfied with your product or encounter any issues, please contact JESLED customer support for assistance.

For support, please refer to the contact information provided with your product packaging or visit the official JESLED website.

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Model: JND-T88FT-FA8-A2-TC-50DW-12P

### Related Documents - JND-T88FT-FA8-A2-TC-50DW-12P



#### [JESLED T8 4FT LED Tube User Manual: Dual-End Power Installation Guide](#)

User manual for installing JESLED T8 4FT LED tubes. Provides step-by-step instructions for safely bypassing ballasts and wiring fixtures for dual-end power LED installation. Includes company profile and FCC compliance information.

	<p><a href="#">Battery Operated Wall Sconce User Manual - JD0486AGN</a></p> <p>User manual for the Battery Operated Wall Sconce, Model JD0486AGN, providing setup, operation, and troubleshooting information.</p>
	<p><a href="#">JESLED Lampada da Parete Solare con Sensore: Manuale d'Uso e Specifiche</a></p> <p>Manuale completo per la lampada da parete solare JESLED con sensore. Include specifiche tecniche, modalità di funzionamento, installazione, telecomando e certificazione FCC.</p>
	<p><a href="#">JESLED Solar Wall Light with Sensor User Manual</a></p> <p>Comprehensive user manual for the JESLED Solar Wall Light with Sensor, detailing features, specifications, operating modes, installation, and safety information.</p>
	<p><a href="#">JESLED Solar Motion Light: User Manual, Specifications, and Installation Guide</a></p> <p>Comprehensive user manual for the JESLED Solar Motion Light, detailing its specifications, features, working modes, installation instructions, and important safety precautions. Includes FCC compliance information.</p>
	<p><a href="#">JESLED Solar Motion Light User Manual and Installation Guide</a></p> <p>Comprehensive guide for the JESLED Solar Motion Light, detailing specifications, features, operating modes, installation instructions, and important safety precautions. Learn how to install and use your solar-powered motion light efficiently.</p>