JESLED YKL-T84FT-G13-A1-FC-CWR-4P

JESLED T8 LED 4FT Tube Lights User Manual

Model: YKL-T84FT-G13-A1-FC-CWR-4P

1. Product Overview

The JESLED T8 LED 4FT Tube Lights are advanced lighting solutions designed for various indoor applications. These versatile LED tubes offer a unique 6-in-1 color temperature selection feature, allowing users to easily switch between different light hues to suit their specific needs and environments. They are engineered for both Plug & Play (Type A) and Ballast Bypass (Type B) installations, providing flexible and secure conversion options from traditional fluorescent lighting.

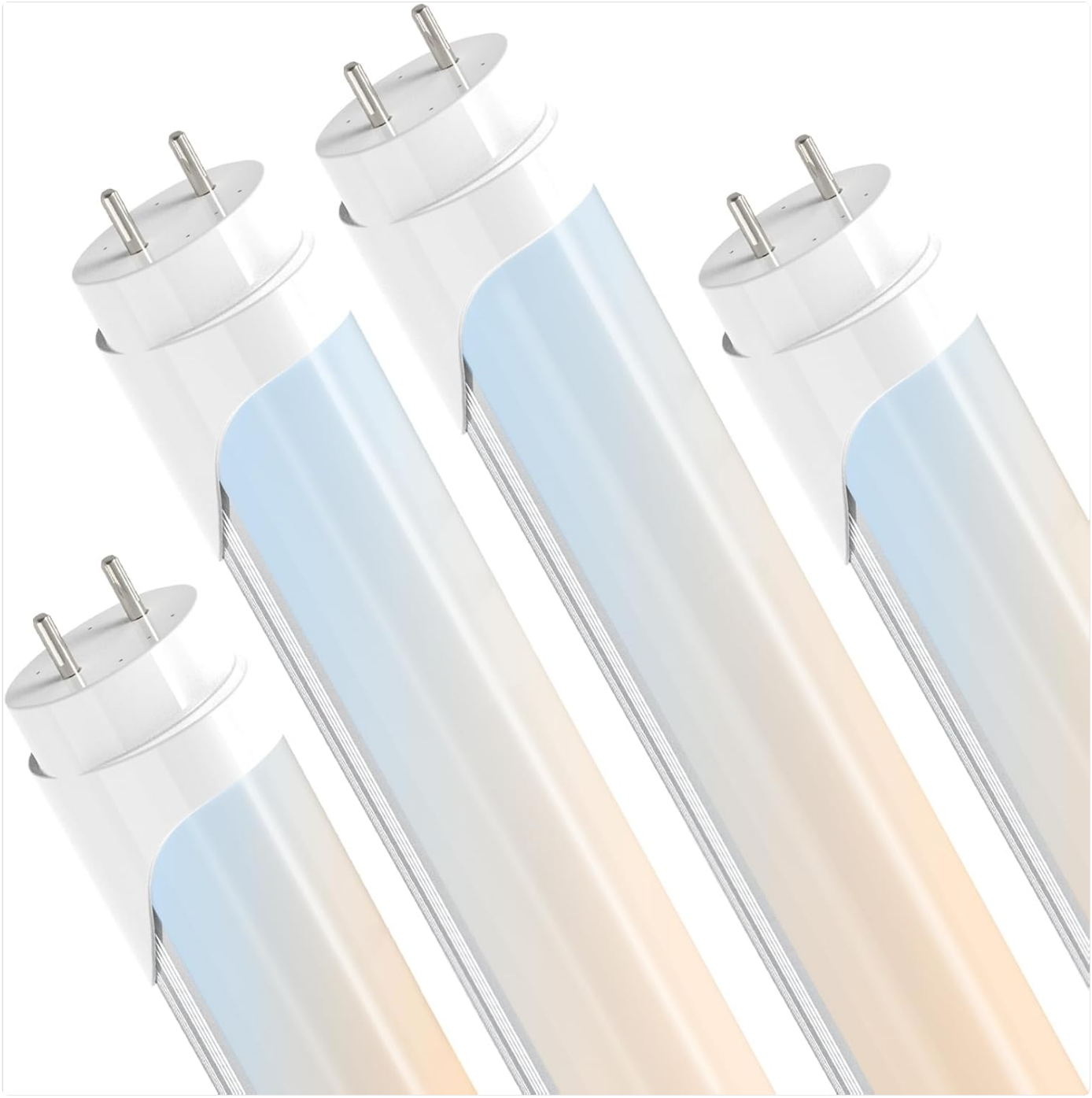


Figure 1: JESLED T8 LED 4FT Tube Lights

This image displays four JESLED T8 LED tube lights, highlighting their frosted finish and the G13 bi-pin base, ready for installation.

2. Key Features

- **6 Color Temperatures in 1:** Easily select between 3000K (Warm White), 3500K (Warm Neutral), 4000K (Cool White), 5000K (Daylight), 6000K (Bright White), and 6500K (Cool Daylight) directly on the fixture.
- **Dual Installation Options (Type A+B):** Supports both Plug & Play (with existing ballast) and Ballast Bypass (direct wire) installations for convenience and flexibility.
- **High Brightness:** Delivers 3200 lumens of light output with only 24W power consumption, equivalent to a 70W fluorescent bulb.
- **Long Lifespan:** Rated for over 50,000 hours of operation, significantly reducing replacement frequency and maintenance costs.
- **Shatterproof Design:** Constructed with durable materials for enhanced safety and longevity.
- **Instant On:** Provides immediate full brightness with no delay, flicker, or noise.

- **Eco-Friendly:** Mercury-free and UV/infrared-free.



Figure 2: Product Specifications Summary

This infographic summarizes the key features and specifications of the JESLED T8 LED tube lights, including color temperature options, installation types, lifespan, wattage, and lumen output.



Figure 3: 6 Color Selectable Options

This image illustrates the six distinct color temperature options available with the JESLED T8 LED tube light, ranging from warm to cool white.

3. Safety Information

WARNING: Risk of electric shock. Installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

- Always turn off power at the circuit breaker before installation, inspection, or removal.
- Do not use with dimmers unless explicitly stated as compatible.
- Ensure the fixture is properly grounded.
- Do not bend or apply excessive force to the tube during installation.
- Suitable for dry and damp locations. Not for use where directly exposed to water.

4. Installation Instructions

The JESLED T8 LED tube lights support two installation methods: Type A (Plug & Play with Ballast) and Type B (Ballast Bypass). Choose the method that best suits your existing fixture and comfort level with electrical wiring.

4.1. Type A: Plug & Play (with Ballast)

This method allows for direct replacement of existing fluorescent tubes without modifying the fixture's wiring, provided the existing ballast is compatible. Refer to the compatibility list on the product packaging or manufacturer's website.

1. **Turn off Power:** Locate the circuit breaker controlling the light fixture and turn off the power. Verify power is off using a voltage tester.
2. **Remove Old Tubes:** Carefully remove the existing fluorescent tubes from the fixture.
3. **Install LED Tubes:** Insert the JESLED T8 LED tubes into the fixture's lamp holders (tombstones). Ensure the pins are fully seated.
4. **Restore Power:** Turn the power back on at the circuit breaker.
5. **Test:** Verify the LED tubes illuminate correctly.

4.2. Type B: Ballast Bypass (Direct Wire)

This method involves removing or bypassing the existing ballast and wiring the fixture directly to the main power supply. This provides maximum energy efficiency and eliminates potential ballast compatibility issues. **This method requires electrical wiring knowledge. If unsure, consult a qualified electrician.**

1. **Turn off Power:** Locate the circuit breaker controlling the light fixture and turn off the power. Verify power is off using a voltage tester.
2. **Access Wiring:** Open the light fixture to access the ballast and wiring.
3. **Bypass/Remove Ballast:** Disconnect all wires leading to and from the ballast. Remove the ballast from the fixture.
4. **Rewire Fixture:**
    - For dual-ended powered tubes (like JESLED T8), connect the live (hot) wire from the power supply to the lamp holder on one end of the fixture.
    - Connect the neutral wire from the power supply to the lamp holder on the opposite end of the fixture.
    - Ensure all connections are secure using wire nuts or appropriate connectors.
5. **Install LED Tubes:** Insert the JESLED T8 LED tubes into the rewired lamp holders.
6. **Secure Fixture:** Close and secure the light fixture.
7. **Restore Power:** Turn the power back on at the circuit breaker.
8. **Test:** Verify the LED tubes illuminate correctly.

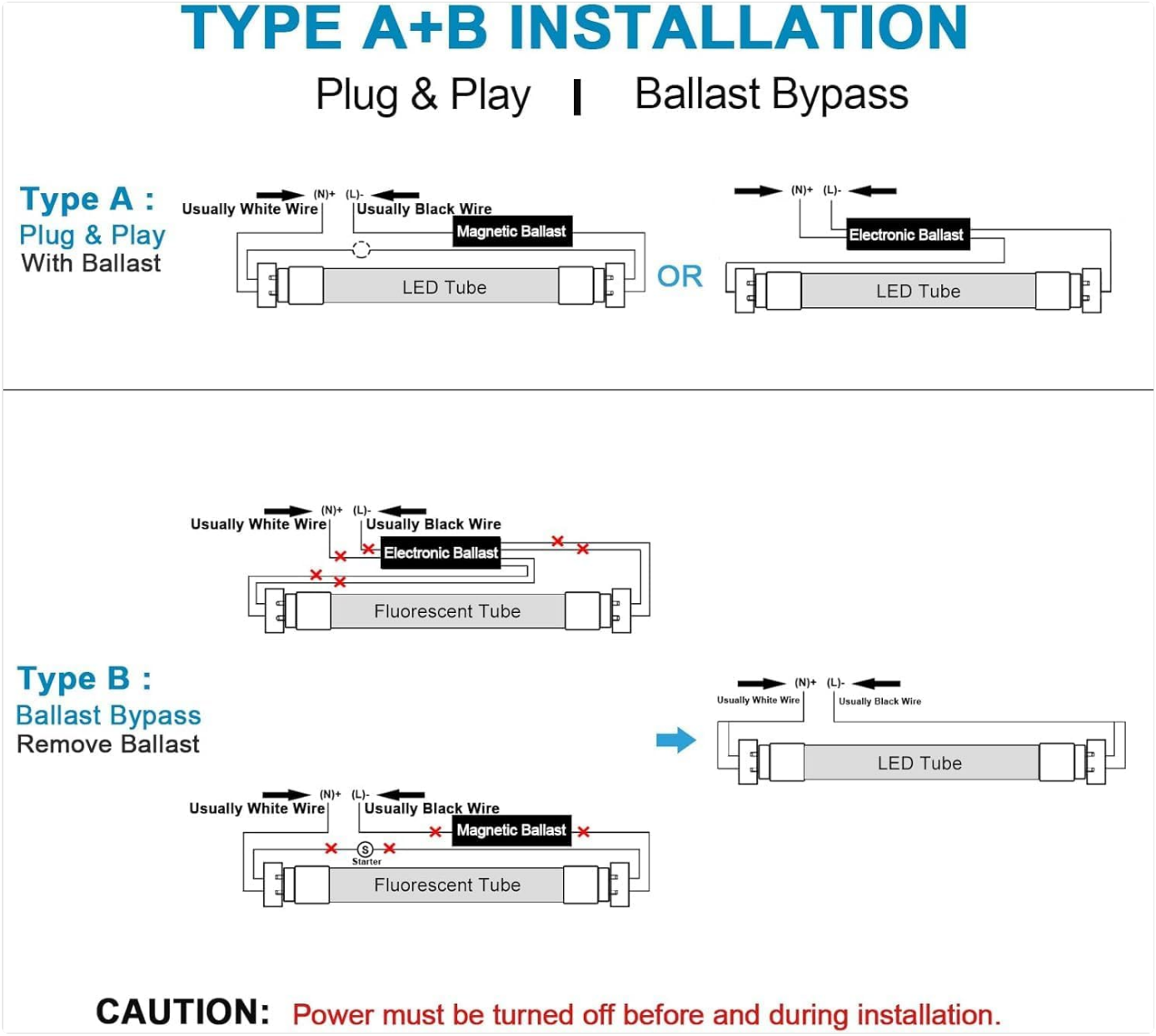


Figure 4: Type A+B Installation Diagrams

This diagram provides visual guidance for both Plug & Play (Type A) and Ballast Bypass (Type B) wiring configurations for the LED tube lights. It emphasizes turning off power before installation.

5. Operating Instructions

The JESLED T8 LED tube lights feature an integrated switch for color temperature selection.

1. **Locate the Switch:** On one end of the LED tube, you will find a small, recessed switch.
2. **Select Color Temperature:** Use a small tool (e.g., a flathead screwdriver or a pen tip) to gently slide the switch to your desired color temperature setting (3000K, 3500K, 4000K, 5000K, 6000K, or 6500K).
3. **Observe Change:** The light output will immediately change to the selected color temperature.



Figure 5: Color Temperature Adjustment Switch

This image highlights the location of the color temperature adjustment switch on the end of the LED tube, along with its G13 base and overall length.

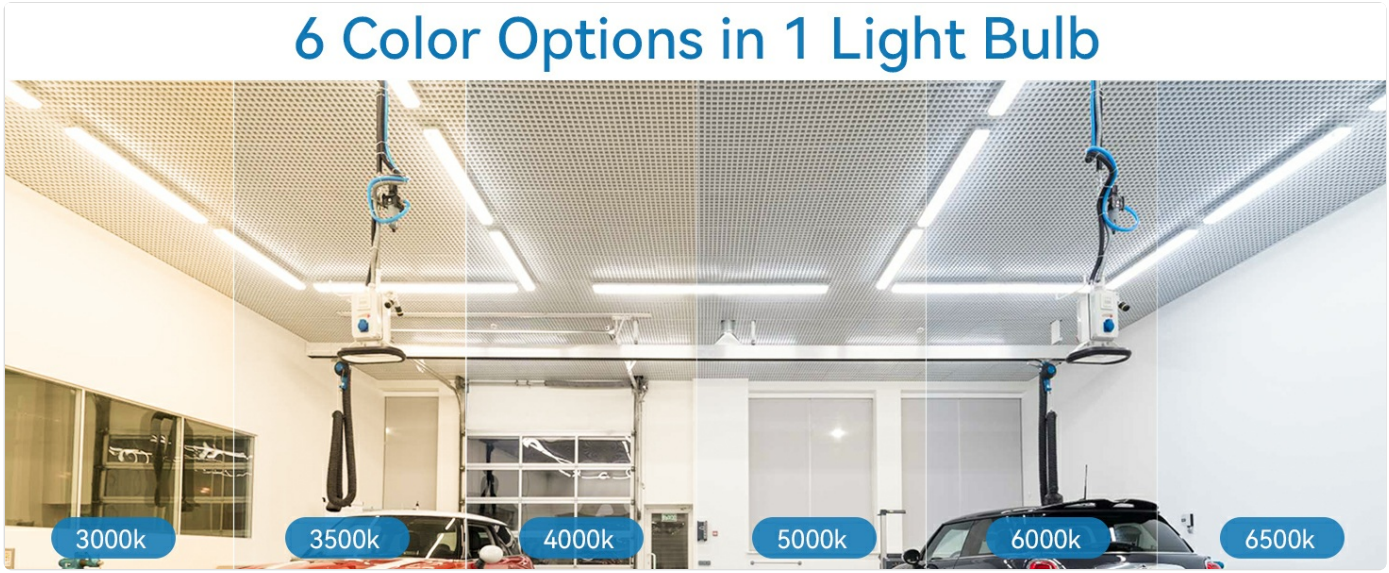


Figure 6: Color Options in Various Settings

This image demonstrates how the six selectable color temperatures can be used to create different ambiances in various indoor environments, from warm kitchen lighting to bright workshop illumination.

6. Maintenance

JESLED T8 LED tube lights require minimal maintenance due to their long lifespan and durable construction.

- **Cleaning:** Ensure power is off before cleaning. Gently wipe the tube with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the tubes and fixture for any signs of damage, loose connections, or overheating.
- **Replacement:** If a tube fails or its performance degrades significantly, replace it with a new JESLED T8 LED tube light.

7. Troubleshooting

Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture. Incorrect wiring (Ballast Bypass). Incompatible ballast (Plug & Play). Loose connection. Damaged tube.	Check circuit breaker and wall switch. Verify wiring according to Type B diagram. Ensure ballast is compatible or perform Ballast Bypass. Re-seat the tube firmly. Replace the tube.
Light flickers or hums.	Incompatible ballast (Plug & Play). Loose connection. Faulty tube.	Perform Ballast Bypass or replace with compatible ballast. Check and secure all connections. Replace the tube.
Incorrect color temperature.	Switch set to unintended color.	Adjust the color temperature switch on the tube to the desired setting.
Reduced brightness.	Dust accumulation. End of tube life.	Clean the tube surface. Replace the tube.

8. Specifications

Attribute	Value
Brand	JESLED
Model Name	YKL-T84FT-G13-A1-FC-CWR-4P
Light Type	LED
Bulb Shape Size	T8
Bulb Base	G13
Wattage	24 Watts
Incandescent Equivalent	70 Watts
Brightness	3200 Lumens
Color Temperature	3000K | 3500K | 4000K | 5000K | 6000K | 6500K (Selectable)
Voltage	100-240 Volts
Frequency	50-60 Hertz
Average Life	50,000+ Hours
Material	Aluminum, Polycarbonate (PC)
Finish Type	Frosted
Indoor/Outdoor Usage	Indoor
Product Dimensions	3.15"W x 49.2"H
Item Weight	3.99 pounds (for 4-pack)

9. Warranty and Support

JESLED stands behind the quality of its products.

- **Warranty:** This product is covered by a 3-year hassle-free warranty from the date of purchase.
- **After-Sale Support:** JESLED offers 24/7 after-sale support.
- **Exchange Service:** A 30-day exchange service is available.
- **Contact:** For any issues or inquiries, please contact JESLED customer service directly. Refer to the product packaging or JESLED's official website for contact details.

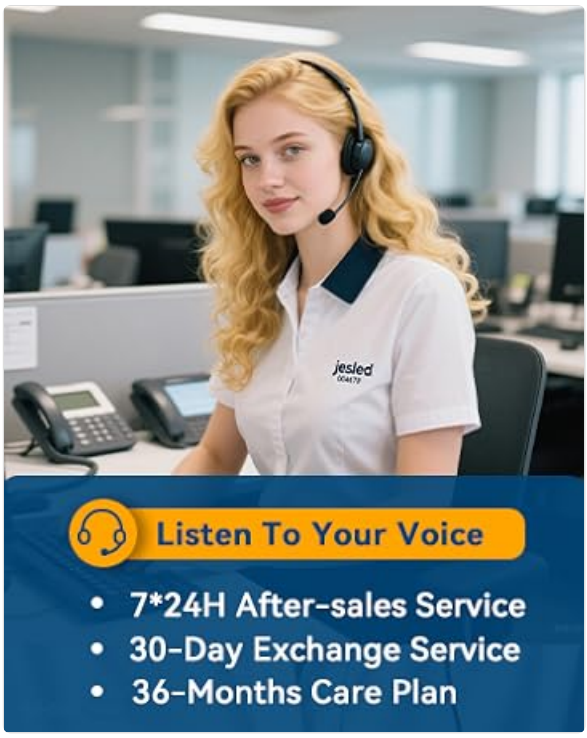


Figure 7: JESLED Customer Support

This image illustrates the commitment of JESLED to customer satisfaction, highlighting their 24/7 after-sales support, 30-day exchange service, and 36-month warranty.

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Ask a question about this manual

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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