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› [JESLED](#) /

› [JESLED 5FT R17D LED Tube Light Instruction Manual](#)

JESLED JW-T8C1-TC

JESLED 5FT R17D LED Tube Light Instruction Manual

Model: JW-T8C1-TC

1. PRODUCT OVERVIEW

The JESLED 5FT R17D LED Tube Light (Model: JW-T8C1-TC) is designed as an energy-efficient replacement for traditional T8, T10, and T12 fluorescent tubes. This 36W LED tube provides 4320 lumens of 6000K Cool White light with a 360-degree beam angle, suitable for various indoor applications, including outdoor signs. It features a clear cover, an aluminum heatsink for efficient heat dissipation, and rotatable R17D/HO bases for flexible light direction.



Figure 1.1: Overview of JESLED 5FT R17D LED Tube Lights. These tubes are designed for high brightness and energy efficiency.

2. SAFETY INFORMATION

- **Electrical Hazard:** Installation requires bypassing the existing ballast. This involves working with electrical wiring. If you are not experienced with electrical installations, it is highly recommended to consult a qualified electrician to prevent electrical shock or damage to the product and property.
- **Compatibility:** These LED tubes are designed for direct wire (ballast bypass) installation. They are not compatible with fixtures that still use a ballast.
- **Electromagnetic Interference (EMI):** Install this product away from sensitive electronic devices such as radios or remote control systems, as it may cause electromagnetic interference.
- **Indoor Use:** While suitable for outdoor signs, the primary usage is specified as indoor. Ensure the fixture provides adequate protection from direct weather exposure if used outdoors.

3. INSTALLATION (BALLAST BYPASS)

The JESLED 5FT R17D LED tube lights are dual-end powered and require a ballast bypass installation. This means the existing fluorescent ballast must be removed or disconnected, and the fixture must be rewired to directly power the LED tubes.

3.1 Tools Required

- Screwdriver set
- Wire strippers
- Pliers
- Electrical tape or wire nuts
- Voltage tester
- Safety glasses and gloves

3.2 Installation Steps

1. **Power Disconnection: IMPORTANT:** Turn off power to the fixture at the circuit breaker before beginning installation. Verify power is off using a voltage tester.
2. **Remove Existing Tubes:** Carefully remove the old fluorescent tubes from the fixture.
3. **Access Ballast:** Open the fixture to access the wiring compartment and the ballast.
4. **Bypass/Remove Ballast:**
 - Cut all wires leading to and from the ballast.
 - Remove the ballast from the fixture.
 - Identify the live (hot) and neutral wires from the main power supply.
5. **Rewire the Fixture:**
 - Connect the live (hot) wire from the power supply to the pins on one end of the lamp holders (shunted or non-shunted, depending on fixture type).
 - Connect the neutral wire from the power supply to the pins on the other end of the lamp holders.
 - Ensure all connections are secure using wire nuts or appropriate connectors.

EASY BALLAST BYPASS REQUIRED

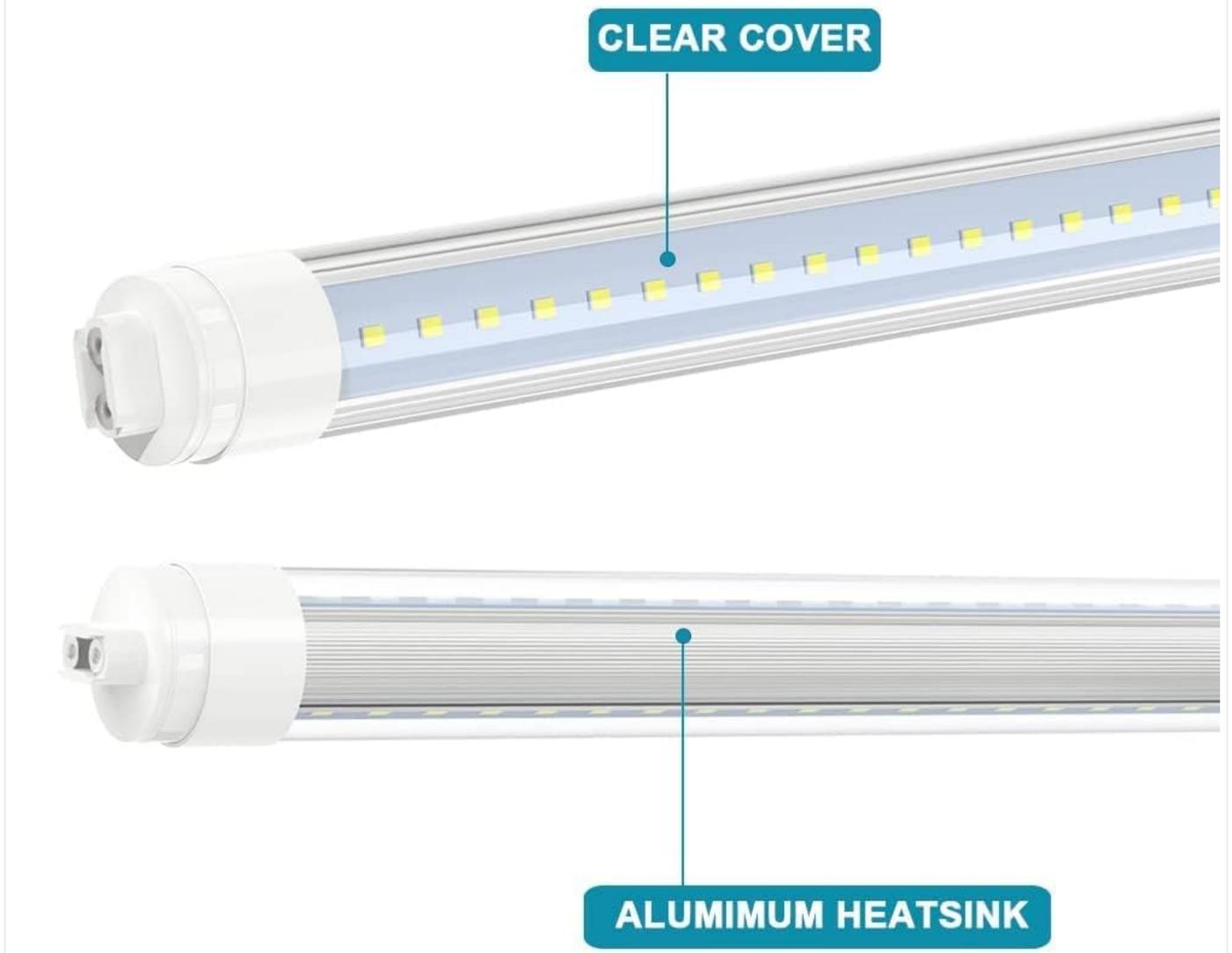


Figure 3.1: Illustration of the ballast bypass requirement, showing the clear cover and aluminum heatsink of the LED tube.

- 6. Install LED Tubes:** Insert the JESLED 5FT R17D LED tubes into the lamp holders. Ensure they are securely seated.
- 7. Adjust Rotation:** The tube ends are rotatable. Adjust the tube to direct the light as needed for optimal illumination.

ROTATABLE



Figure 3.2: The rotatable end cap allows for adjustment of light direction after installation.

8. **Close Fixture:** Close the fixture cover.
9. **Restore Power:** Turn the power back on at the circuit breaker.
10. **Test:** Verify that the LED tubes illuminate correctly.

4. OPERATING INSTRUCTIONS

Once installed, the JESLED 5FT R17D LED Tube Light operates like any standard light fixture.

- **Power On/Off:** Use the existing wall switch or fixture control to turn the light on or off.
- **Instant Illumination:** These LED tubes provide instant full brightness without flickering or warm-up time.
- **Light Output:** Each 36W tube produces 4320 lumens of 6000K Cool White light. The double-sided design ensures a 360-degree beam angle for comprehensive illumination.



Figure 4.1: The double-sided design of the LED tube ensures a wide, 360-degree light distribution.

5. MAINTENANCE

JESLED 5FT R17D LED Tube Lights are designed for minimal maintenance due to their long lifespan.

- **Cleaning:** Ensure the power is off before cleaning. Gently wipe the tube with a soft, dry, or slightly damp cloth. Avoid abrasive cleaners or solvents.
- **Longevity:** With an average life of 50,000 hours, these LED tubes significantly reduce the frequency of bulb replacement compared to traditional fluorescent tubes.
- **Inspection:** Periodically inspect the tubes and wiring for any signs of damage or loose connections. Address any issues promptly after disconnecting power.

6. TROUBLESHOOTING

- **Light Does Not Turn On:**

- Check the circuit breaker to ensure power is supplied to the fixture.
 - Verify all wiring connections are secure and correctly installed (ballast bypass).
 - Ensure the LED tube is properly seated in the lamp holders.
 - Test with another known working LED tube if available to rule out a faulty tube.
- **Flickering or Dim Light:**
 - Confirm that the ballast has been completely bypassed. Residual ballast wiring can cause issues.
 - Check for loose wiring connections.
 - Ensure the voltage supplied to the fixture is within the specified range (100-277V AC).
 - **Electromagnetic Interference (EMI):**
 - If interference with radios or remote controls occurs, try relocating the affected devices or ensuring proper grounding of the fixture.
 - **Tube Sagging (for longer tubes):** While this model is 5FT, for any long tube installations, ensure adequate support is provided along the length of the tube to prevent sagging over time.

7. SPECIFICATIONS

Feature	Detail
Brand	JESLED
Model Number	JW-T8C1-TC
Light Type	LED
Wattage	36 Watts
Brightness	4320 Lumens
Color Temperature	6000 Kelvin (Cool White)
Bulb Shape Size	T8 (Compatible with T8, T10, T12 fixtures)
Bulb Base	R17D/HO (Double-End Powered)
Voltage	100-277 Volts (AC)
Beam Angle	360 Degrees
Average Life	50,000 Hours
Material	Copper
Finish Type	Clear
Efficiency	120 lumens/watt
Certifications	ETL, FCC
Item Weight	5.79 pounds (for 4-pack)
Package Dimensions	59 x 3.25 x 3.25 inches

360 DEGREE DOUBLE SIDED R17D



Figure 7.1: Detailed view of the 57.75-inch LED tube with its R17D/HO double-end powered base.

8. WARRANTY AND SUPPORT

JESLED provides comprehensive support and warranty for its products.

- **Warranty:** A 3-year hassle-free manufacturer's warranty is included with this product.
- **Refund Policy:** A 60-day refund policy is offered.
- **Customer Support:** JESLED offers 24/7 after-sale support. For any issues or inquiries, please contact JESLED directly.



The image shows a woman with blonde hair wearing a headset, sitting at a desk in a call center. She is wearing a white polo shirt with the JESLED logo. In front of her are two office phones. A blue overlay at the bottom of the image contains the following text:

 **Listen To Your Voice**

- **7*24H After-sales Service**
- **30-Day Exchange Service**
- **36-Months Care Plan**

Figure 8.1: JESLED customer support information, highlighting available services.