



F13T5 T5 FLUORESCENT
TUBE LIGHT



Circle F13T5 T5 Fluorescent Tube Light Instruction Manual

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Circle F13T5 T5 Fluorescent Tube Light



INTRODUCTION

A dependable and energy-efficient lighting option, the Circle F13T5 T5 Fluorescent Tube Light is made for a number of uses, such as workspaces, garages, offices, and under-cabinet illumination. This 13-watt tube lamp has a warm 3000K color temperature and 850 lumens of brightness, making the space cozy and well-lit. It is compatible with common lighting fixtures because it has a G5 base and runs at 120 volts. This fluorescent tube light, which is made by Circle, is renowned for its longevity and long lifespan of up to 120,000 hours, which eventually lowers maintenance expenses. This lighting system, which is reasonably priced at \$23.49, uses little energy and offers steady illumination. Since its initial release on April 17, 2016, it has grown to be a popular alternative for anyone looking for high-performance, reasonably priced, and environmentally friendly lighting.

SPECIFICATIONS

| | |
|------------------------------------|----------------------|
| Brand | Circle |
| Price | \$23.49 |
| Bulb Shape Size | T5 1/2 |
| Bulb Base | G5 |
| Voltage | 120 Volts |
| Color Temperature | 3000 Kelvin |
| Brightness | 850 Lumens |
| Controller Type | Push Button |
| Power Source | Corded Electric |
| Color Rendering Index (CRI) | 80 |
| Power Consumption | 13 Watts |
| Light Source Wattage | 13 Watts |
| Product Dimensions | 1.6 W x 2.5 H inches |
| Accepted Voltage Frequency | 100-120V, 60Hz |
| Bulb Diameter | 1.6 Inches |
| Control Method | App |
| Average Life | 120,000 Hours |
| White Brightness | 850 Lumens |
| Manufacturer | Circle |
| Item Weight | 12.8 ounces |
| Item Model Number | F13T5 |
| Date First Available | April 17, 2016 |

WHAT'S IN THE BOX

- Tube Light
- Manual

FEATURES

- **Warm White Light:** A gentle, cozy atmosphere is created by the 3000K color temperature.



- **Compact Design:** Specialty lighting fittings and under-counter lighting fixtures suit the 21-inch tubular design.
- **G5 Bi-Pin Base:** Installation is quick and simple thanks to the standard 2-pin plug-in architecture.
- **High Brightness:** 850 lumens provide enough light for a variety of indoor environments.
- **Long Lifespan:** A 6-pack of bulbs lasts 120,000 hours, with each bulb lasting 20,000 hours.
- **Push-Button Compatible:** Conveniently compatible with push-button lighting systems.
- **Corded Electric Power Source:** Reliable functioning without reliance on batteries.
- **Multipurpose Use:** Perfect for under-cabinet installs, patios, kitchens, RVs, and maritime illumination.
- **High Color Rendering Index (CRI 80):** Provides light that seems natural, enhancing aesthetics and visibility.
- **Standard Voltage Range:** Compatible with the majority of home circuits, it operates between 100 and 120V at 60Hz.
- **App-Controlled Compatibility:** The ability to interface with smart lighting systems for contemporary home automation.
- **Sturdy and Lightweight:** It is easy to handle and install due to its 12.8-ounce weight.
- **Even Light Distribution:** Offers steady, flicker-free lighting throughout the room.
- **Eco-Friendly:** Its low mercury concentration makes it safer for the environment and for disposal.

SETUP GUIDE

- **Unpack Carefully:** To avoid damaging the bulbs, carefully take them out of the packaging.
- **Examine for Damage:** Prior to installation, look for any cracks or flaws.
- **Turn off the Power:** Before beginning, make sure the power source is turned off.
- **Remove Old Bulb:** Carefully remove the old bulb from the fixture by rotating it 90 degrees.
- **Examine the Fixture:** Make sure the fixture can accommodate both the G5 base and T5 bulbs.
- **Pin Alignment:** Line up the fixture slots with the G5 bi-pin base.
- **Insert the Bulb:** Carefully insert the tube into the socket.

- **Twist to Lock:** Turn the lightbulb 90 degrees to ensure that it locks firmly in position.
- **Verify the Fit:** Double-check to make sure the lightbulb is secure.
- **Restore Power:** Test the lightbulb after turning the power back on.
- **Check for Flickering:** Replace the lightbulb or examine the ballast if flickering happens.
- **Modify Positioning:** For the best distribution of light, ensure proper positioning.
- **Store Extra Bulbs Correctly:** To avoid damage, store unused bulbs in a cool, dry location.
- **Handle Old Bulbs Carefully:** Because fluorescent bulbs contain mercury, they need to be disposed of in accordance with local laws.
- **Check for Correct Operation:** Examine the performance and brightness under various lighting scenarios.

CARE & MAINTENANCE

- **Frequent Cleaning:** To keep it bright, use a gentle, dry cloth to wipe away dust.
- **Avoid Moisture:** To avoid damage, keep bulbs away from humid areas.
- **Handle Carefully:** To prevent damage, always handle the lightbulb by its ends.
- **Examine the Ballast:** Look for issues with the ballast if the lightbulb flickers or is difficult to turn on.
- **Reduce Frequent Switching:** The lifespan of the lightbulb may be shortened by frequent on/off switching.
- **Allow for Cooling:** Before handling or changing the lightbulb, let it cool down.
- **Use Fixtures That Are Compatible:** Verify that the fixture is made to work with T5 bulbs.
- **Check Light Output:** The light bulb may be nearing the end of its life if it gradually gets dimmer.
- **Store Properly:** To avoid damage, keep extra bulbs in a dry, safe place.
- **Secure the Fixture:** To avoid vibrations that can harm the lightbulb, make sure the socket and holder are sturdy.
- **Verify Voltage Compatibility:** For best results, make sure the power source is in line with the 100–120V requirement.
- **Ensure Proper Ventilation:** T5 fluorescent bulbs require adequate airflow, so avoid using them in enclosed fixtures.
- **Recycle When Replacing:** Because fluorescent bulbs contain mercury, dispose of them safely by following your local recycling regulations.
- **Test Before Permanent Installation:** If in doubt, test the lightbulb in a functional fixture before putting it in place.
- **Change Bulbs in Pairs:** Change the bulbs in multiple light fixtures simultaneously for uniform illumination.

TROUBLESHOOTING

| Issue | Possible Cause | Solution |
|-------------------------------------|-------------------------------------|--|
| Light does not turn on | Faulty or loose connection | Check wiring and socket connections |
| Flickering light | Aging or defective ballast | Replace the ballast |
| Dim lighting | Low voltage or incompatible fixture | Verify voltage and fixture compatibility |
| Uneven illumination | Dust or dirt buildup | Clean the tube light surface |
| Frequent on/off cycling | Ballast issue or loose wiring | Inspect ballast and connections |
| Light turns off after a few seconds | Overheating or ballast failure | Allow cooling time or replace ballast |
| Buzzing sound | Ballast malfunction | Replace ballast |
| Short lifespan | Excessive power fluctuations | Use a surge protector |
| Discoloration of light | Tube near end of life | Replace with a new tube |
| Broken glass | Accidental impact | Handle with care and replace if needed |

PROS & CONS

| Pros | Cons |
|--|---------------------------------------|
| High brightness (850 lumens) | Requires ballast for operation |
| Long lifespan (120,000 hours) | Not dimmable |
| Energy-efficient (13W power consumption) | Contains small amounts of mercury |
| Warm 3000K color temperature | May require professional installation |
| Compatible with standard G5 fixtures | Fragile glass construction |

WARRANTY

The Circle F13T5 T5 Fluorescent Tube Light typically comes with a **1-year limited warranty**. The warranty covers manufacturing defects, performance issues, and early failures under normal usage conditions. However, it does not cover damage caused by improper installation, misuse, or accidental breakage. To claim warranty support, customers must provide proof of purchase and contact the manufacturer’s customer service.

FREQUENTLY ASKED QUESTIONS

Why is my Circle F13T5 T5 Fluorescent Tube Light flickering?

Flickering may be due to a faulty ballast, loose wiring, or an aging tube. Replacing the ballast or securing the connections may resolve the issue.

What should I do if my Circle F13T5 T5 Fluorescent Tube Light does not turn on?

Ensure that the bulb is properly installed, check the push-button controller, and verify if the power source is active.

Why is my Circle F13T5 T5 Fluorescent Tube Light dim?

The tube may be nearing the end of its lifespan or operating under unstable voltage conditions. Replacing the bulb or checking the power supply can help.

How can I reset the app control for the Circle F13T5 T5 Fluorescent Tube Light?

Disconnect the power for 5 minutes, then reconnect. If issues persist, try reinstalling the app and re-pairing the bulb.

Why does my Circle F13T5 T5 Fluorescent Tube Light turn off unexpectedly?

This could be due to overheating, ballast failure, or an automatic timer setting in the app. Check the ballast and ensure proper ventilation.

What is the brightness level of the Circle F13T5 T5 Fluorescent Tube Light?

The Circle F13T5 produces 850 lumens, providing sufficient brightness for various applications.

What is the color temperature of the Circle F13T5 T5 Fluorescent Tube Light?

The Circle F13T5 has a color temperature of 3000K, offering a warm white light.

What is the voltage requirement for the Circle F13T5 T5 Fluorescent Tube Light?

The Circle F13T5 operates at 100-120 volts with a frequency of 60 Hz.

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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