

Satco S11920

Satco S11920 T8 LED Bulb Instruction Manual

Model: S11920 | Brand: Satco

1. PRODUCT OVERVIEW

The Satco S11920 is a 13.5-watt T8 LED bulb designed for efficient and long-lasting illumination. It features a 3000K color temperature, a medium bi-pin base, and provides 1700 lumens of light output. With an average rated life of 50,000 hours, this dimmable LED bulb is engineered for Type B (Ballast Bypass) installation with single-ended wiring, offering a direct replacement for traditional fluorescent tubes in compatible fixtures.

Key Features:

- 13.5 Watt T8 LED Bulb
- 3000K Color Temperature (Warm White)
- Medium Bi Pin Base
- 50,000 Average Rated Hours
- 1700 Lumens Brightness
- Dimmable Functionality
- Type B (Ballast Bypass) Design
- Single Ended Wiring
- Frosted Finish
- Glass Material

Product Image:



Image of the Satco S11920 T8 LED Bulb, a long, tubular LED lamp with a frosted finish and a bi-pin base at one end. The bulb is white and cylindrical.

2. SETUP AND INSTALLATION

The Satco S11920 T8 LED bulb is designed for Type B (Ballast Bypass) installation with single-ended wiring. This means the existing fluorescent ballast must be bypassed or removed, and the fixture rewired to directly power the LED tube.

Safety Precautions:

- Always turn off power at the circuit breaker before beginning installation.
- Consult a qualified electrician if you are unsure about wiring procedures.
- Ensure the fixture is compatible with single-ended wiring.
- Do not install this Type B bulb with an active ballast.

Installation Steps (Ballast Bypass, Single-Ended Wiring):

1. **Turn off Power:** Locate the circuit breaker controlling the fixture and switch it to the OFF position. Verify power is off using a voltage tester.
2. **Remove Existing Bulb and Ballast:** Carefully remove the old fluorescent tube. Open the fixture to access the wiring and remove the existing fluorescent ballast. Disconnect all wires leading to and from the ballast.
3. **Rewire the Fixture:** This bulb requires power (Live and Neutral) to be connected to one end of the lamp holder (the single-ended side).
 - Connect the Live (hot) wire from the power supply to one pin of the lamp holder on the designated single-ended side.
 - Connect the Neutral wire from the power supply to the other pin of the same lamp holder.
 - The lamp holder on the opposite end of the fixture will not be wired to the power supply; it acts as a non-powered support.
4. **Install LED Bulb:** Insert the Satco S11920 T8 LED bulb into the fixture, ensuring the designated single-ended side of the bulb aligns with the wired lamp holder.
5. **Restore Power:** Close the fixture cover. Turn the power back on at the circuit breaker.
6. **Test:** Turn on the light switch to confirm the bulb is functioning correctly.

3. OPERATING INSTRUCTIONS

The Satco S11920 T8 LED bulb operates like a standard light bulb once installed. It is designed to be dimmable, allowing for adjustable light output when connected to a compatible dimmer switch.

Dimmable Functionality:

- To utilize the dimming feature, ensure your light fixture is connected to a compatible LED dimmer switch.
- Refer to your dimmer switch's instructions for proper operation and compatibility.
- Dimming performance may vary depending on the dimmer model and load.

General Operation:

- Simply use the wall switch to turn the light on or off.
- For dimming, adjust the dimmer switch to your desired brightness level.

4. MAINTENANCE

LED bulbs like the Satco S11920 require minimal maintenance due to their long lifespan and durable construction.

Cleaning:

- Before cleaning, always turn off the power to the fixture at the circuit breaker.
- Allow the bulb to cool completely if it has been in operation.

- Wipe the bulb gently with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.
- Ensure the bulb is completely dry before restoring power.

Replacement:

- With an average rated life of 50,000 hours, frequent replacement is not anticipated.
- If replacement is necessary, follow the "Setup and Installation" steps in reverse to remove the old bulb, and then proceed with installation of the new bulb.

5. TROUBLESHOOTING

If you encounter issues with your Satco S11920 T8 LED bulb, refer to the following common troubleshooting steps:

Common Issues and Solutions:

- **Bulb Does Not Light Up:**
 - Check if the power is on at the circuit breaker and the wall switch.
 - Verify that the bulb is correctly seated in the lamp holders.
 - Confirm that the fixture has been properly rewired for ballast bypass (Type B) and single-ended operation. An active ballast will prevent the bulb from lighting.
 - Ensure the Live and Neutral wires are connected to the correct pins on the single-ended side of the lamp holder.
 - Test the fixture with another known-good bulb if available to rule out fixture issues.
- **Bulb Flickers or Dims Incorrectly:**
 - Ensure you are using an LED-compatible dimmer switch. Incompatible dimmers can cause flickering or poor dimming performance.
 - Check for loose wiring connections in the fixture or at the dimmer switch.
 - Verify the dimmer switch's minimum load requirement is met by the bulb's wattage.
- **Bulb is Not as Bright as Expected:**
 - Confirm the bulb is fully powered and not connected to a dimmer that is set too low.
 - Ensure the fixture's wiring provides the correct voltage to the bulb.

If these steps do not resolve the issue, contact Satco customer support or a qualified electrician.

6. SPECIFICATIONS

Attribute	Value
Brand	Satco
Model Name	S11920

Attribute	Value
Light Type	LED
Bulb Shape Size	T8
Wattage	5 watts (Note: Product title and description state 13.5 watts)
Brightness	1700 Lumens
Color Temperature	3000 Kelvin
Average Rated Hours	50,000 Hours
Base Type	Medium Bi Pin Base
Dimmable	Yes
Wiring Type	Type B (Ballast Bypass), Single Ended Wiring
Finish	Frosted (White Finish)
Material	Glass
Product Dimensions	48 x 1 x 1 inches
Item Weight	0.81 Pounds (approx. 13 ounces)
Color Rendering Index (CRI)	80
UPC	045923119200
Date First Available	October 29, 2019

7. WARRANTY AND SUPPORT

Warranty Information:

The Satco S11920 T8 LED Bulb comes with a**5-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, troubleshooting, or warranty inquiries, please contact Satco customer support directly. Refer to the official Satco website or product packaging for the most current contact information.

Note: For installation or wiring concerns, it is recommended to consult a qualified electrician.

ASK A QUESTION ABOUT THIS MANUAL

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