

Satco S11902

Satco S11902 3W LED T5 840 BP Bulb Instruction Manual

Model: S11902

INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Satco S11902 3W LED T5 840 BP tubular light bulbs. Please read this manual thoroughly before installation and retain it for future reference.

The Satco S11902 is a 3-watt LED bulb designed to replace traditional fluorescent T5 bulbs, offering energy efficiency and bright, clear illumination with a 5000K color rendering index. This product comes in a 10-pack, providing reliable lighting for various applications.

SAFETY INFORMATION

- **WARNING: Risk of Electric Shock.** Always disconnect power at the circuit breaker or fuse box before installation, removal, or servicing.
- Do not use with dimmers unless explicitly stated on the product packaging or specifications.
- Ensure the fixture is rated for the bulb's voltage (120V) and wattage (3W).
- Do not disassemble or modify the bulb. There are no user-serviceable parts inside.
- Handle bulbs with care. Avoid dropping or subjecting them to excessive force.
- Install in accordance with national and local electrical codes. If unsure, consult a qualified electrician.
- This LED bulb is designed for specific T5 fixtures. Verify compatibility before installation.

PRODUCT OVERVIEW

The Satco S11902 LED T5 bulb is an energy-efficient lighting solution. Key features include:

- **Energy-Efficient:** 3W LED replaces traditional bulbs, reducing energy consumption.
- **Tubular Design:** T5 style, suitable for fixtures requiring a slim profile.
- **Long-Lasting:** Designed for reliable, extended performance.

- **Bright & Clear Light:** 5000K Color Rendering Index for crisp, natural illumination.
- **Voltage:** Operates on 120V input.



Figure 1: Satco S11902 LED T5 Bulb (Example from a 10-pack)

This image displays the Satco S11902 LED T5 bulb, highlighting its tubular form factor and the pin connectors at each end, typical for T5 fluorescent replacements.

INSTALLATION INSTRUCTIONS

Important: Installation of these LED bulbs requires modification to the existing fixture. It is recommended that installation be performed by a qualified electrician.

1. **Disconnect Power:** Before beginning any work, ensure the power supply to the fixture is completely turned off at the circuit breaker or fuse box. Verify with a voltage tester.
2. **Remove Existing Fluorescent Bulbs:** Carefully remove the old fluorescent T5 bulbs from the fixture.
3. **Bypass/Remove Ballast:** The existing fluorescent ballast must be removed or bypassed. These LED bulbs operate directly on 120V line voltage and do not require a ballast. This may involve disassembling the fixture.
4. **Check Lampholders:** These LED bulbs require **shunted lampholders**. Only one pin on each end of the LED lamp is connected to the internal circuitry. If your existing lampholders are not shunted, you may need to rewire the fixture to ensure proper connection to the correct pins. Consult the fixture's wiring diagram or a qualified electrician.
5. **Physical Fit:** Note that the diameter of this LED bulb may be slightly larger than a standard T5 fluorescent bulb, approaching the size of a T8. Ensure there is sufficient clearance within your fixture for the bulb to fit without obstruction.
6. **Install LED Bulbs:** Once the fixture is correctly wired for direct 120V input and has shunted lampholders, carefully insert the Satco S11902 LED bulbs into the lampholders.
7. **Restore Power:** Once all bulbs are securely installed and wiring is complete, restore power to the fixture at the circuit breaker.
8. **Test Operation:** Turn on the light switch to verify proper operation.

Note: The last 1.5 inches of the bulb, typically under the label, house the AC-DC converter and do not emit light. This means the effective illuminated length is approximately 7.5 inches. This is a design characteristic and not a defect.

OPERATING INSTRUCTIONS

Once installed, the Satco S11902 LED bulbs operate like any standard light bulb. Simply use the wall switch or fixture

control to turn the light on or off. The product specifications mention "App" and "Push Button" control methods with "Infrared" connectivity; however, for a standard bulb, these typically refer to the capabilities of the fixture or a smart home system it integrates with, not the bulb itself. The bulb itself is controlled by applying or removing 120V power.

MAINTENANCE

- **Cleaning:** Ensure power is off before cleaning. Wipe the bulb with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Replacement:** These LED bulbs have a long lifespan. When replacement is necessary, follow the installation instructions in reverse order to safely remove the old bulb and install a new one.
- **Disposal:** Dispose of old LED bulbs according to local regulations for electronic waste.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Bulb does not light up.	No power to the fixture.	Check circuit breaker and wall switch.
	Incorrect wiring (ballast not bypassed/removed).	Ensure ballast is bypassed/removed as per installation instructions.
	Non-shunted lampholders or incorrect pin connection.	Verify lampholders are shunted and pins are correctly wired for 120V direct input.
	Loose connection.	Re-seat the bulb firmly.
	Defective bulb.	Test with a known working bulb.
Bulb flickers or dims.	Incompatible dimmer switch.	Do not use with incompatible dimmers.
	Loose connection.	Check bulb seating and wiring connections.
	Voltage fluctuations.	Consult an electrician if voltage issues persist.
Bulb does not fit in fixture.	Bulb diameter is larger than standard T5.	Verify fixture clearance before purchase. This bulb may be closer to a T8 diameter.
Light output is not full length.	Internal AC-DC converter at one end of the bulb.	This is a normal characteristic of the bulb design. Approximately 1.5 inches at one end will not illuminate.

SPECIFICATIONS

Brand	Satco
Model Number	S11902
Light Type	LED
Wattage	3 Watts
Voltage	120 Volts
Unit Count	10 Count

Color Rendering Index (CRI)	5000
Shape	Tubular (T5)
Control Method	App (Note: Refers to fixture/system capability, not bulb itself)
Controller Type	Push Button (Note: Refers to fixture/system capability, not bulb itself)
Connectivity Technology	Infrared (Note: Refers to fixture/system capability, not bulb itself)
Item Weight (10-pack)	1.3 pounds

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Satco website or contact Satco customer service directly. Keep your purchase receipt as proof of purchase.

Manufacturer: Satco

Website: [www.satco.com](#) (Example link, actual link may vary)

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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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