

Satco 80-2627

Satco 80-2627 Two-Light Ballast Bypass Wiring Harness Instruction Manual

For Linear LED T8 Lamps

1. INTRODUCTION

This manual provides essential instructions for the safe and correct installation, operation, and maintenance of the Satco 80-2627 Two-Light Ballast Bypass Wiring Harness. This harness is designed to convert existing fluorescent fixtures to operate with linear LED T8 lamps that require a ballast bypass (direct wire) installation. Please read all instructions thoroughly before beginning installation.

2. 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 disconnect power at the circuit breaker or fuse box before installation, servicing, or removing the fixture.
- Ensure the supply voltage is correct for the LED T8 lamps being installed.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- This product is intended for use with specific LED T8 lamps designed for ballast bypass operation. Consult the LED lamp manufacturer's instructions for compatibility and wiring diagrams.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.
- Ensure all connections are secure and properly insulated.

3. PRODUCT OVERVIEW

The Satco 80-2627 wiring harness simplifies the conversion of a two-lamp fluorescent fixture to operate with ballast bypass LED T8 lamps. It includes pre-wired lamp holders (sockets) and a quick-connect terminal for easy connection to the main power supply.



Image 1: Components of the Satco 80-2627 Ballast Bypass Wiring Harness, showing the pre-wired lamp holders and quick-connect terminal.

4. SETUP AND INSTALLATION

Follow these steps carefully to install the Satco 80-2627 wiring harness:

1. **Disconnect Power:** Turn off power to the fixture at the circuit breaker or fuse box. Verify power is off using a voltage tester before proceeding.
2. **Access Fixture Wiring:** Open the fixture to access the existing ballast and wiring. Remove any covers or diffusers as necessary.
3. **Remove Existing Ballast:** Disconnect all wires from the existing fluorescent ballast. Carefully remove and dispose of the old ballast according to local regulations.
4. **Install New Lamp Holders:** Remove the existing lamp holders (sockets) from the fixture. Install the new pre-wired lamp holders from the Satco 80-2627 harness into the fixture, ensuring they are securely seated.



Image 2: Illustration of the easy installation process, showing the harness with new lamp holders ready for connection.

5. **Wire the Harness:** Connect the quick-connect terminal of the Satco 80-2627 harness to the fixture's

main power supply wires (Line and Neutral). Ensure proper polarity as indicated by the wiring diagram on the LED T8 lamps or fixture. Typically, one side of the LED T8 lamp receives Line voltage, and the other side receives Neutral. The harness is designed to provide these connections to the lamp holders.

6. **Secure Wiring:** Ensure all wiring is neatly routed and secured, preventing pinching or contact with sharp edges. Replace any wiring covers.
7. **Install LED T8 Lamps:** Insert the ballast bypass LED T8 lamps into the new lamp holders. Ensure they are fully seated and twisted into place.
8. **Close Fixture:** Replace any fixture covers or diffusers that were removed.
9. **Restore Power:** Turn power back on at the circuit breaker or fuse box. Test the new LED lighting system.

5. OPERATING INSTRUCTIONS

Once installed, the Satco 80-2627 Ballast Bypass Wiring Harness operates seamlessly with your fixture's existing wall switch. Simply use the wall switch to turn the LED T8 lamps on or off.

6. MAINTENANCE

The Satco 80-2627 wiring harness requires minimal maintenance. Periodically, it is recommended to:

- **Visual Inspection:** With power disconnected, visually inspect the wiring and connections for any signs of wear, damage, or loose connections.
- **Cleaning:** If necessary, gently wipe down the exterior of the lamp holders with a dry, lint-free cloth. Do not use liquid cleaners near electrical components.

7. TROUBLESHOOTING

If you encounter issues after installation, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Lamps do not turn on.	No power to the fixture. Loose wiring connection. Incorrect wiring. Faulty LED T8 lamp.	Check circuit breaker/fuse. Verify all connections are secure (power off). Review installation steps and wiring diagram (power off). Test with a known good LED T8 lamp.
Lamps flicker or dim.	Loose lamp connection in socket. Incompatible LED T8 lamp (not ballast bypass type). Faulty LED T8 lamp.	Ensure lamps are fully seated and twisted. Confirm LED T8 lamps are specifically for ballast bypass applications. Replace the LED T8 lamp.

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

8. SPECIFICATIONS

- **Model Number:** 80-2627
- **Manufacturer:** Satco
- **Part Number:** 80-2627
- **Product Dimensions:** Approximately 10 x 10 x 10 inches (packaging)
- **Item Weight:** 1 pound
- **Power Source:** Corded Electric
- **Number of Lamps Supported:** Two (2)
- **Compatible Lamp Type:** Linear LED T8 Lamps (Ballast Bypass / Direct Wire)
- **Included Components:** Satco 80-2627 Two Light Ballast Bypass Wiring Harness

9. WARRANTY INFORMATION

For warranty information regarding the Satco 80-2627 Two-Light Ballast Bypass Wiring Harness, please contact the manufacturer directly. Warranty terms and conditions may vary.

Manufacturer Contact: Refer to Satco's official website or product packaging for the most current contact details.

10. SUPPORT

If you require further assistance or have questions not covered in this manual, please contact Satco customer support. Ensure you have your product model number (80-2627) available when contacting support.

Satco Website: www.satco.com