

Lamp Socket Wiring Tester

For use with Lutron® Ballasts only


FDB-LSWT-T5/T8

600 V~ 100 kHz 0.125 A Max. CAT III

This tester helps Lutron® installers decrease the amount of time to troubleshoot ballast wiring issues. The tester aids in identifying: instant-start sockets, wires not connected correctly to the socket or ballast, and socket wires shorted together. The socket tester is not designed to diagnose incorrect input wiring to the ballasts or controls, failed ballasts, or defective lamps.

Important Notes


This device shall not be used to verify that a fixture is electrically safe prior to maintenance.

 **WARNING** – Shock Hazard present at lamp socket terminals. Do NOT touch lamp socket terminals during operation. Do NOT exceed 600 V at lamp socket terminals. May result in serious injury or death.

Device is not to remain permanently connected to a fixture under test. Do not connect to a fixture for more than 30 seconds. Excessive run time may shorten product life.

No maintenance or calibration is required for this device.

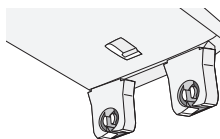
Not for use with any other manufacturer's ballast products. Such acts will void product warranty and user assumes any unknown results.

This device contains double insulation. 

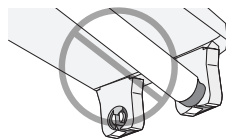
This device is rated as Pollution Degree 2 and is for use in normal conditions. Normal conditions consist of indoor use up to 6562 ft (2000 m) in elevation and a temperature range of 41 °F to 104 °F (5 °C to 40 °C). A maximum relative humidity 80% for temperatures up to 88 °F (31 °C) decreasing linearly to 50% relative humidity at 104 °F (40 °C) is also required.

Usage instructions

1. Remove ALL lamps from the fixture.

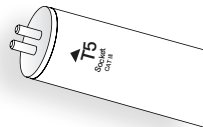


All Lamps Removed

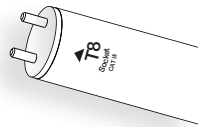


One Lamp Removed

2. Select the appropriate T5 or T8 terminals of the tester to be placed into a lamp socket.

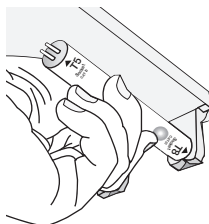


T5 Terminals
(Narrow Spacing)



T8 Terminals
(Wide Spacing)

3. With power applied to the fixture, insert the tester into a lamp socket. For a rotating socket, twist the device until it locks, just as you would twist in a lamp.



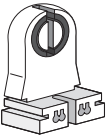
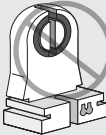
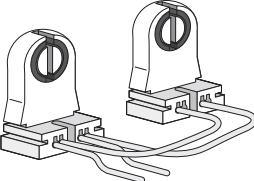
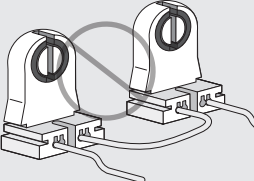

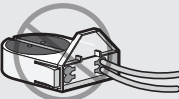
(Continued on back)

- If green LED lights continuously or flashes on and off at regular intervals (approximately every 2 to 7 seconds), the socket is receiving voltage from the ballast.
- If the green LED does not light, the socket is NOT receiving proper voltage at both pins.
- Repeat step numbers 3 – 5 for all sockets in the fixture.
- If any sockets in the fixture did not cause the green LED to light, TURN OFF POWER and check the system for errors (refer to Green Light Guide and Socket Wiring Guide below).

Green Light Guide

Green Light On	Green Light Not On
<ul style="list-style-type: none"> Fixture wiring is correct 	<ul style="list-style-type: none"> Incorrect socket type (instant-start) Improper/loose connection at ballast Improper/loose connection at socket Improper/loose connection at splice Yellow lamp wires in series configuration

Socket Wiring Guide

Correct	Incorrect
Rapid-start socket (rotary locking variety) 	Instant-start socket 
Yellow lamp wires in parallel 	Yellow lamp wires in series 
Pairs of like-colored wires in rapid-start configuration 	Pairs of like-colored wires in instant-start configuration 

If symptoms persist, refer to troubleshooting checklist:

Scan QR code below to connect to troubleshooting guide on Lutron.com or go to

<http://www.lutron.com/>

TechnicalDocumentLibrary/048436_

Lutron_Public_Ballast_

troubleshooting_guide.pdf



Technical Assistance

If you have questions concerning the installation or operation of this product, call the Lutron® Technical Support Center. Please provide the exact model number when calling.

U.S.A. and Canada (24 hrs / 7 days)

+1.800.523.9466

Other countries (8am – 8pm ET)

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<http://www.lutron.com>

Limited Warranty (Valid only in U.S.A., Canada, Puerto Rico, and the Caribbean)

Lutron will, at its option, repair or replace any unit that is defective in materials or manufacture within one year after purchase. For warranty service, return unit to place of purchase or mail to Lutron at 7200 Suter Rd., Coopersburg, PA 18036-1299, postage pre-paid.

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