

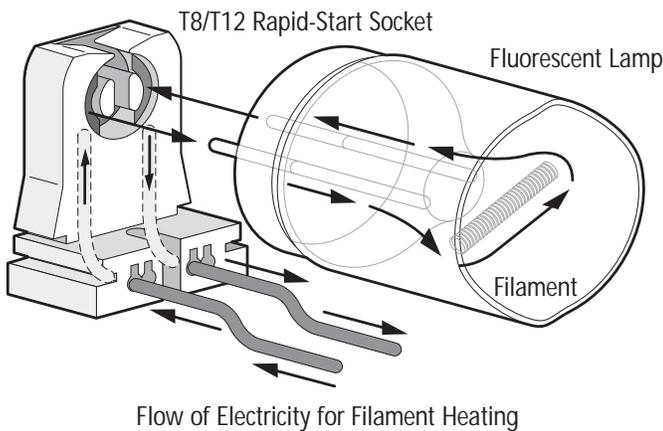
SOCKETS

Lamp Sockets

When installing Lutron ballasts, socket type and wiring are important. Good pin-to-socket contact and correct wiring are required to produce flicker-free dimming and ensure long lamp life. For longest lamp life and best filament contact, use only approved or recommended sockets:

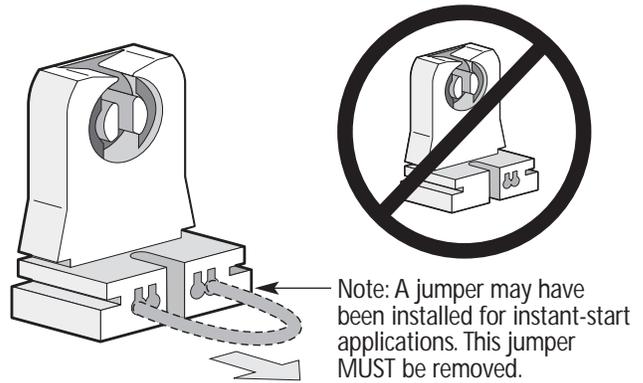
Lamp Type	Recommended Sockets
T8 and T12	Rapid-start knife edge/rotary locking
T5 Linear	Rotary locking
T4 Compact	4-pin
T5 Twin Tube	Sockets that "lock" lamp in place

Why Are Sockets Important?



Dimming ballasts must access both lamp pins to heat the lamp filaments — without heating, the lamp ends will become black and fail prematurely (may take a day or several months).

Rapid-Start Linear Lamp Sockets

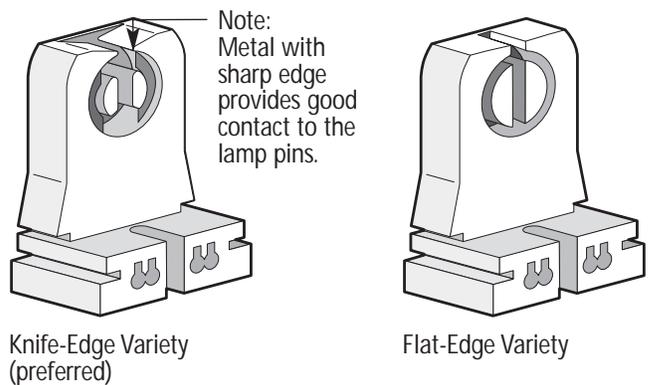


Rapid-start sockets can accept 4 wires (2 for wires from the ballast and 2 for wires to another socket).

Note: Instant-start sockets, which can only accept two wires, **MUST** be replaced with 4-pin rapid-start sockets.

⚠ WARNING: Using Lutron ballasts with instant-start sockets may damage the ballasts.

Why Use a Knife-Edge Socket?

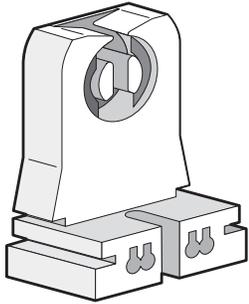


A knife-edge socket makes a superior contact with the lamp pin by contacting with a sharp edge — rather than a flat surface. Dimming ballasts require good pin contact.

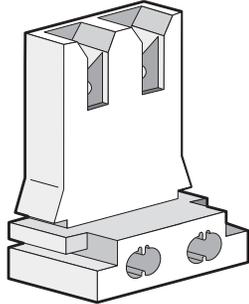
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Socket Configurations

T8 and T12 Linear



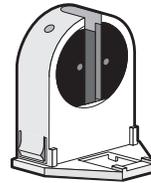
T8 and T12 U-Bent



For T8 and T12 Lamps

The sockets should have knife-edge connections that make good, firm contact with the lamp pins. The sockets may also be of the rotary locking type. The fixture must have a grounded metal surface $1/2" \pm 1/4"$ ($12.7\text{mm} \pm 6.4\text{mm}$) away from the lamp. The sockets **MUST** be rapid-start type.

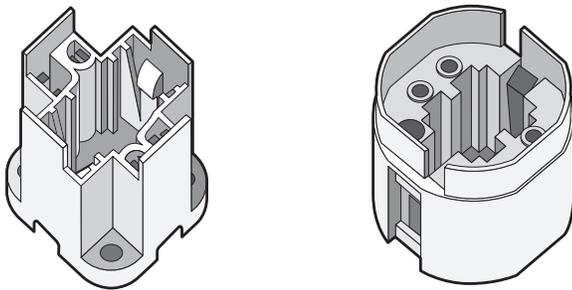
T5 Linear



For T5 Lamps

The sockets should be of the rotary locking type. The fixture must have a grounded metal surface $3/8" \pm 1/8"$ ($9.5\text{mm} \pm 3.2\text{mm}$) away from the lamp. The sockets **MUST** be rapid-start type.

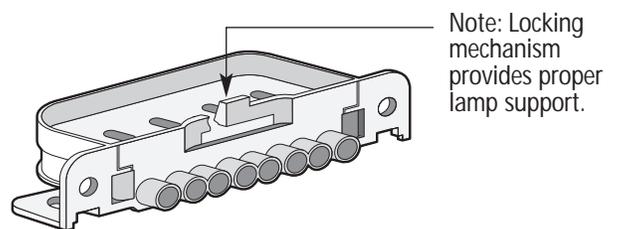
T4 Compact 4-Pin



For T4 Compact Lamps

T4 compact sockets **MUST** be the 4-pin type and must be used with 4-pin compact lamps. Instant-start sockets, which can accept only two wires, **MUST** be replaced with 4-pin rapid-start sockets.

T5 Twin Tube



For T5 Twin Tube Lamps

T5 twin tube lamps require proper lamp support to hold lamp pins in full contact with socket. Use **ONLY** 4-pin "locking" sockets that hold the lamp in place. The fixture must have a grounded metal surface $1/2" \pm 1/4"$ ($12.7\text{mm} \pm 6.4\text{mm}$) away from the lamp.