

LED TUBE LIGHT INSTALLATION

IMPORTANT!! You must remove (or bypass) the electronic ballast and starter (if present) from the light fixture. LED tube lights will not survive an unmodified fixture, this voids your warranty.

Your basic goal is to provide a simple circuit, running your household A/C voltage, to the tubes. These tubes use the same A/C current as a typical light bulb in your home. A fluorescent light requires a much different (higher) voltage than your typical light bulb, this is provided by the ballast. You need to take the ballast out of the circuit, or you will destroy your LED light tube. They are expensive, don't hurt them...

- 1) Unplug or turn off circuit breaker before doing any work on fixture.
- 2) Locate ballast. Some (usually fairly old) fixtures might also have a starter, which looks like a small metallic cylinder.
- 3) Cut wires coming from ballast. Remove ballast (if possible) for recycling.
 - Many cities or counties have special drop offs for electronic ballasts – please recycle as these components contain environmental hazards.
- 4) Using a wire nut or other electrical connector, join all of the 'hot' wires together (these are often red and/or black)
- 5) Using a wire nut or other electrical connector, join all of the 'common' wires together (these are often white and/or yellow).
- 6) Reassemble fixture.
- 7) Install LED tubes as you would normally install a fluorescent tube.
- 8) Turn on power.
- 9) Enjoy!

For a better explanation, with pictures, feel free to consult the internet. I liked this website:

http://www.ledaladdin.com/Install_LED_Light_Wiring_Diagram/LED_Tube_Light_Wiring_Diagram.html

