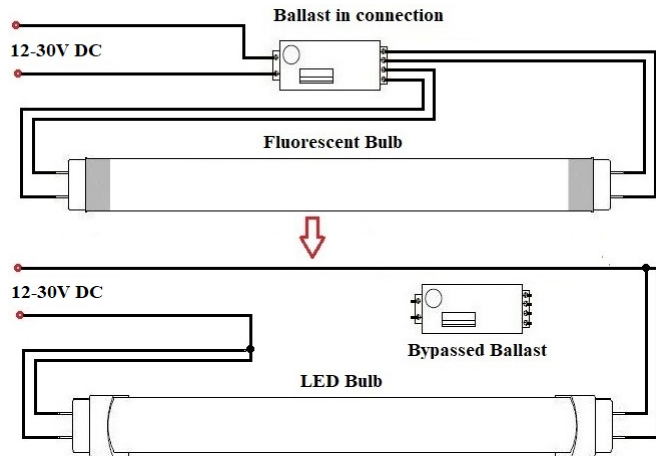


Product Manual for Fulight's DC Double-End Input LED Tube

- ❑ Bypass any ballasts and remove any starters (if present) inside the fixture. There **MUST** be a ballast (or a ballast and starter) inside the fixture if it currently has or previously had a fluorescent bulb. **Note:** A starter can be integrated with the on/off switch. If so, you need to replace the starter switch with a simple on/off switch.
- ❑ Connect the positive wire (Likely Red) from the DC power cord to the two pins on one end of the LED tube and the negative wire (likely Black) to the two pins on the other end of the LED tube through the lamp-holder sockets. If your sockets are the shunted type, one-pin connection is completely fine. However, if the sockets are the non-shunted type, we strongly suggest two-pin connection or you can convert the sockets into the shunted type with a jump wire.
- ❑ It **DOESN'T MATTER** which end is positive or negative. Just connect the positive wire to one end and the negative wire to the other end.
- ❑ It **DOESN'T MATTER** if the lamp-holder sockets in your fixture are shunted or non-shunted type so that it is unnecessary to change them.
- ❑ For LED tubes designed with Rotatable End Caps only (17-3/4-Inch F15T8 and all T5 tubes): You can hold the end caps and rotate them against the tube body to adjust light forwarding angle.
- ❑ Contact us by text message to (949)331-6136 or email to fulight-led@fulightopto.com to get assistance if you have any question about the instructions!

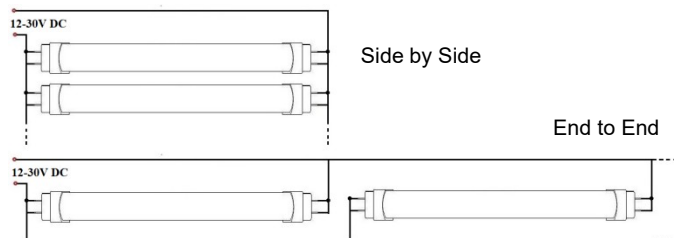
I. Electronic Ballast Removal



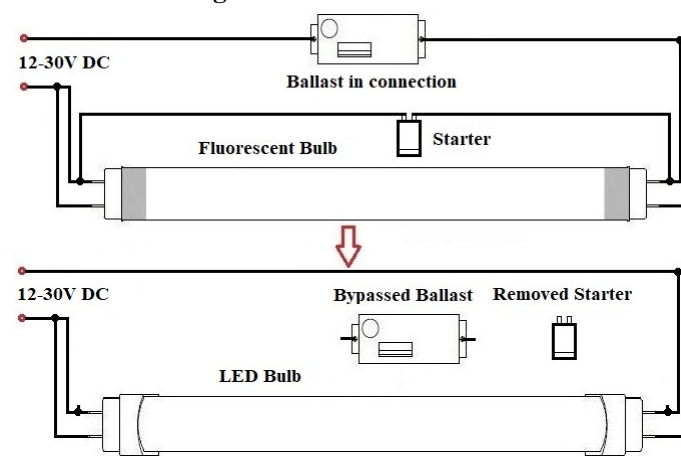
Steps:

1. Open your fixture, unscrew it if necessary, and find the ballast, which could be a rectangular component.
2. Cut all wires away from the ballast.
3. Connect the positive wire to all wires on one side of your fixture, and the negative wire to all wires on the other side of the fixture.

Multiple Bulbs Installation: Make sure each bulb is connected with the positive wire on one end and the negative wire on the other end.



II. Magnetic Ballast Removal



Steps:

1. Remove or disconnect the starter. If no starter is visible, it means it is integrated with the on/off switch. In that case, cut it off and replace it with a simple on/off switch.
2. Find the ballast, cut the input and output wires, and then connect the two wires together.

*****WARNING I***:** If your fixture has been previously wired for LED, **please verify if it's set up for single-end or double-end input.** If it's currently single-end input, follow the instructions in this manual to convert it to double-end input. **Failing to do so will result in electrical shock that may damage both your fixture and our product.**

*****WARNING II***:** Please **ALWAYS** turn off the wall power switch or unplug the light fixture or **turn off the related breaker switch if necessary** before fixture rewiring!

*****Reminder***:** If you **don't see prongs** on both ends of our product, it's because they are covered by small plastic pin protectors. Simply **remove these protectors** to reveal the prongs, as shown in the main photo on the product page.