

# L.E.D. Stern Light Instruction Guide

**Introduction:** LED (light emitting diode) lights have many advantages over traditional incandescent bulbs. They consume much less energy, they are much more durable and last much longer. The following instructions will guide you through the process of getting your new lighting up and running.

1. Unlike traditional bulbs, LED bulbs are polarity sensitive, meaning they will not light up if the positive and negative wires are reversed. This is the most common reason for LED bulbs failing to light up. Sometimes the wires coming out of the light assembly are not your traditional black/red, so if you run into the problem of your light not turning on, try reversing the wires. No harm can be caused from connecting power to the light with the wires reversed.

2. The first step is connecting the wires coming out of the light assembly to one of the included quick-connect plugs. It does not matter which plug is connected to the light and which is connected to the power source. You will need butt connectors and a wire crimp in order to complete the installation. It is highly recommended to use butt connectors that have the heat shrink built into them to completely seal the connection from water.

3. Start by stripping the ends of the wires coming out of the light and also on the quick connect plug. Insert the stripped ends into the butt connectors and crimp tightly. Use a heat gun to shrink the sleeves of the butt connectors to ensure a good seal (a powerful blow dryer may also work). If you are not using heat shrink connectors, thoroughly wrap the connections with electrical tape. Repeat this process for the power supply end.

4. Connecting your light to a power supply - This part will vary depending on how your boat is wired. Typically, there is a fuse panel where you would connect the pos/neg to the proper terminals on your panel for bow light & stern light. This is also accompanied by an on/off switch. However, this is not needed, and there is a simpler method of connecting your lighting if your boat does not have many other electronics. In this case, you will be simply connecting the pos/neg wires coming from the light to the battery, with exception of 2 components. One of these components is an in-line 12 volt fuse you can buy at any marine or auto supply retailer. This simply crimps in-line with butt connectors on the positive wire at any point between the light and the battery. This is important to protect your wiring and battery from a short. The second component is either an on/off switch, quick connect plug, or both. The quick connect plug can serve as your on/off switch, you simply unplug to turn off and plug in to turn on. If you would also like to use a switch, you can purchase a simple on/off switch at most marine retailers. This installs in-line much the way the fuse does. It functions by connecting/disconnecting the power traveling through the positive wire. The switch should come with installation instructions, however If not, you will simply cut the positive wire wherever you want the switch, strip both ends, and connect each end to the 2 terminals on the back of the switch. Literature on this is readily available online. Please email us at [info@specialtymarine](mailto:info@specialtymarine) with any questions. You can now enjoy many years of reliable lighting!