



AquariumLED Instructions

Please read instructions twice before beginning

Bulb Direction



1. Remove bulb from packaging and locate set screw near back of bulb plate.
2. Loosen set screw slightly so base can be rotated independently from bulb housing.
3. After bulb is installed in socket, the bulb can be rotated to direct the light where it is needed.
4. Tighten set screw when you have finished aiming the bulb.

Installing into current setup using existing E40 Mogul Sockets:

Note: Depending on your particular Metal Halide (MH) setup you may want to purchase a new socket and/or lamp cord vs. cutting the end of a prefabricated cord/fixture. Never handle MH bulbs when hot!

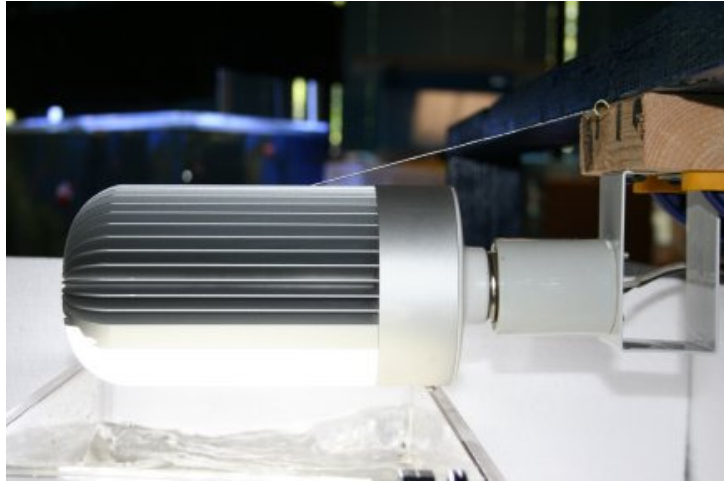
1. Power off and disconnect current lighting equipment and allow everything to cool
2. Disconnect ballast from socket so that you are left only with the socket and lamp cord (if you haven't already)
3. When sufficiently cool, remove MH bulb from E40 socket; remember to unplug ballast. NEVER install this bulb to a socket that it is powered by a ballast or power supply of any kind! You will damage your new AquariumLED Bulb.
4. Two Options for Power:
 - a. Cut lamp cord approximately 4 inches from socket. Using white (positive) and black (negative) wires, wire in any power cord that will connect to your nearest wall outlet. Be sure to match the gauge of the wires between the lamp cord and your power cord.
 - b. Cut lamp cord approximately 4 inches from quick connect fitting. Using the white (positive) and black (negative) wires, wire in any standard household electrical plug that will connect to your nearest wall outlet.
5. Ensure all connections are shielded properly and securely. We suggest using quick connect connectors and heat shrink wrap on all connections.

Installing to new E40 Socket (purchased separately):

1. Make up the connections using the white (pos) and black (neg) wires that are with the E40 socket to any electrical cord that uses a standard two or three prong household plug. The ground wire is not needed so we suggest using two prong plugs.



2. Mount socket into canopy or adequate stable location. Ensure there is enough cord to reach nearest outlet without strain on cord.
3. Insert bulb into socket and turn until FULLY seated into socket.
4. Holding the base of the bulb, rotate bulb plate to where you want to aim the light. Tighten set screw.
5. Optional: You may find it necessary to take some of the weight off the nose of the bulb. A simple picture hanging kit allows you to run a wire suspension from the threaded hole at the front of the heat sink to a suitable anchor position on the canopy or near where the socket is mounted.



This method will not interfere with the heat sink operation.
Plug socket cord into wall outlet or timer and apply power. Sit back and enjoy your new aquarium lighting.

Note:

Color temperature preferences vary and some aquarists like a bluer look to their tank. We found that adding around 20 watts of Normal Output (NO) Actinic 03 light serves this purpose well and still keeps you well under the wattage draw of any metal halide lighting system.