

# REPLACING BALLASTS

## FOR SATELLITES & ORBIT FIXTURES

### DANGER

To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt repairs by yourself. Return the appliance to your retailer or discard the appliance.

- If an electrical appliance falls into the water, or water drips onto the electronics, DON'T reach for it! First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately.
- Always unplug appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug fully and pull out to disconnect.
- Carefully examine the appliance after replacement. It should not be plugged in if there is water on parts not intended to get wet.
- Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any manner.

### WARNING - RISK OF ELECTRIC SHOCK

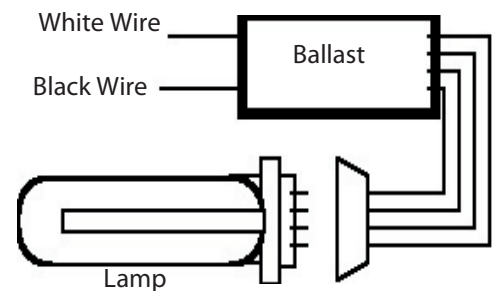
Turn off power before servicing

### CAUTION - RISK OF BURN

Allow lamps and fixture to cool before servicing. Make sure all electrical connections in accordance with the National Electrical Code and any applicable local code requirements. Verify line voltage is correct by comparing it to nameplate.

### REPLACEMENT INSTRUCTIONS:

1. TURN OFF and UNPLUG the fixture. Place fixture upside down on a flat surface. Remove splash lens, lamp(s) and reflector.
2. Identify non-functioning ballast that is connected to the lamp not illuminating. Disconnect white and black wires that connected to the ballast by unscrewing wire connectors.
3. With a small screwdriver, unscrew mounting ballast screws from fixture housing and remove old ballast from housing.
4. Mount the new ballast in same location as old ballast and reattach screws. Note: reattach the GREEN ground wire to screw if applicable. Connect ballast with wiring provided and reconnect respective white and black wires.
5. Replace reflector and lamp(s). Replace splash lens and test.



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WHAT'S NEXT