

LED Lighting Instructions

SAFETY GUIDELINES

WARNING

MAKE CERTAIN THAT THE UNIT IS DISCONNECTED FROM THE POWER SOURCE BEFORE ATTEMPTING TO SERVICE OR REMOVE ANY COMPONENT!

1. Choose a location for both safe and easy installation and avoid areas with chemicals, explosives or other dangerous materials.
2. Do not handle light with wet hands or when standing on a wet or damp surface, or in water.

ELECTRICAL CONNECTIONS

WARNING

1. The lights are rated 3W, 50/60 Hertz 12VAC, DO NOT connect to voltage other than stated voltage.
2. Connect to 12V transformer included in this package. Bearon Aquatics model LED also meets Canadian requirements.

OPERATION

1. Lights are designed to be used completely submerged or out of water.
2. Select a location for both safe and easy installation and avoid areas with chemicals, explosives or other dangerous materials.
3. DO NOT let the unit freeze. This may cause cracking or distortion that may destroy the unit or cause safety problems.
4. Bearon Aquatics LED light has eleven pre-programmed operation modes from which to choose. Refer to the Operation Mode Table for a description of the operating modes.

SELECTING OPERATION MODE

Setting programs is determined by how long the power is removed before restarting. To switch modes, simply turn the power switch off for ½ to 3 seconds, and then back on to advance to the next state.

If the on/off switch is left in the “off” position for 4 to 8 seconds, the LED lights will resynchronize when powered up by flashing red three times at which point all of the lights in the system will initialize in the same state (Mode 1; Red).

The LED lights have a memory that when switched off for more than 8 seconds, all the lights will power up in the last state they were in when powered down. This allows users to leave lights in a favorite mode without having to hunt for it when powering up the lights. If the unit is turned off during the running of modes 10 or 11, and the power is off longer than 8 seconds, (color/mode memory state) the Mode Indicator Flash will reactivate immediately upon power up. This is a visual reminder to you of which mode is running.

SERVICE INSTRUCTIONS

WARNING

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1. Do not remove cord strain relief (hex nut). This will damage seal and result in possible leakage.
2. BULB REPLACEMENT:

NOTE: No tools are required to service light.

a. Unscrew the outer ring by turning it counterclockwise.

Next, remove the lens and o-ring.

b. **CAUTION:** The bulb and plastic bulb holder are one piece. DO NOT pull on the bulb itself. Pull only on the plastic bulb holder.

c. To install bulb, simply plug bulb into socket. Ensure that the two pins of the bulb are well seated in the two small inner holes of the socket. DO NOT touch new bulb. Only touch the plastic bulb holder. Touching the bulb may shorten bulb life. As you push the bulb assembly down into the light housing, twist the bulb assembly so that the openings in the plastic bulb holder are oriented with the ribs on the inside of the light housing.

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d. Make sure o-ring is in good shape and clean. Reinstall o-ring and lens.

e. Reinstall the outer ring. DO NOT use any tools. Tighten outer ring until tab on light ring touches mounting rib on lamp housing.

CAUTION: MAKE CERTAIN NO WATER OR MOISTURE IS INSIDE LAMP PRIOR TO THE REASSEMBLING.

3. **CLEANING:** The lens will require periodic cleaning. Simply wipe off outside of lens with soft cloth. DO NOT use abrasives. This may damage lens. **CAUTION:** If lamp is disassembled for cleaning, be certain lamp housing is not submerged in water. This will allow water to enter cord which could result in an electrical hazard.

OPERATION MODE TABLE

Operation Mode Sequence Number	Color / Function
1	Red
2	Yellow
3	Green
4	Aqua
5	Blue
6	Purple
7	White
8	Multi Mode*
9	Color Wheel - Standard**
10	Color Wheel - Slow**
11	Color Wheel - Slowest**

* Multi Mode produces random colors and flashing patterns.

** Color Wheel mode is the smooth color changing pattern from Aqua to Blue to Purple to Red to Orange to Yellow to Green and back to Aqua and repeat. The “Standard” mode gradually changes through all the colors every 30 seconds. The “Slow” mode takes 6 minutes to cycle through all the colors before repeating and the “Slowest” mode takes 2 hours for each pass through the colors. For the Color Wheel modes, there is a visual indication of which mode you are in. For the “Slowest” mode, the blue LEDs will flash 3 times before starting the initial gradual changing from Aqua. For the “Slow” mode, the green LEDs will flash 3 times before going to Aqua and transitioning through the color wheel. The LEDs flash only on the initial startup; on subsequent cycles of the color wheel the LEDs will not flash. The “Standard” color wheel mode does not flash at all, but starts transitioning in color from Aqua through its cycle.

***WARRANTY REGISTRATION & SERVICE CONTACT FORMS - if it lists the types of equipment the 3 categories should be: Ice Eaters, Power House Aeration, Olympus Fountains. The term F-Series is being erased and Display Series was nixed from the Olympus name.