

Mystic Falls

ILW Series Illuminated Waterfall Weirs User Manual

Thank you for purchasing the *Mystic Falls*™ Illuminated Waterfall Weir. The only lighted weir specifically designed for ponds on the market.

ILW Series illuminated weirs offer instant beauty to any pond or water garden in a functional form that provides for the use of filter media for beautiful crystal clear cascades of color.

Safety Overview

Mystic Falls™ Illuminated Weirs are designed to provide the user a safe product that is easy to install and use. When installed as described in this manual, the system presents no unsafe shock hazards. However, altering any of the components may present an unsafe circumstance.

Some other considerations to keep in mind during installation and operations are as follows:



Never mount the power supply in an uncovered outlet where it will get wet. The power supply is a weather-resistant unit and should be housed in a covered receptacle.

Do not bend the LED bar when cleaning or replacing.

Do not break seals on unit. Doing so may expose the user to potentially dangerous voltages when unit is turned on and will void the warranty.

Always use safety equipment, such as eye protection, and dust mask when cutting PVC piping along with other normal safety precautions.

Always carefully follow all installation instructions.

Installation

The ILW Series Illuminated Waterfall Weirs are simple to install, requiring simple PVC pipe installation and leveling the weir. The unit will need to be plumbed back to a return water source. Ensure that the correct plumbing supplies are available before installation.



Preparing for Installation

Open the package and ensure that all of the components are present and have not been damaged in shipping. Items included in the system are:

- ILW Weir Housing
- 24VDC Power Supply
- LED Bar (installed in housing)
- Retaining Refractor Bar (installed in housing)

Identify where the weir is to be mounted. The weir will need to be mounted on a level surface and positioned with a 2 – 3 degree forward decline at the spillway for proper flow.

Verify that a power source is located in near proximity of the LED wire lead and that the receptacle has a hinged cover over it.

Warning! Always consult with an electrician when installing electrical wiring! Not doing so could result in a dangerous condition and/or noncompliance with electrical codes.

Installing the Weir

If a liner is used to divert water to the pond, position the weir so that the liner is under it and allows water from the weir to flow into the pond to prevent leakage. A small level of pebbles placed in the filter media area can help secure the weir from inadvertent movement. Do not fill pebbles above the inlet hole.

Attach water feed using a 1" or 1 ½ (depending on model) MPT fitting using Teflon tape to seal the connection. A ball valve prior to the feed can provide a means of regulating flow through the weir. To avoid a loss of prime to the weir, install a check-valve inline.

Level the weir side to side and pitch the front edge of the weir forward 2 to 3 degrees to provide a slight inclination towards the front of the weir. This will allow light to follow the curve of the water. Secure the weir in place using rock or other disguising objects.

Remove the loose end of the electrical lead and feed it through the guide in the back wall of the weir and run to electrical outlet. If desired, a solar cell or timer may be installed in line to control the times the LEDs are lighted.

Installing Filter Media

Remove the filter media retainer by placing a finger at one of the sides and lifting in the center. Install the desired filter media and replace the retainer by slightly bowing the retainer and fitting the side tabs into their respective holes.

Note The media retainer will only fit one way. Do not attempt to force it in.

Turning on the Water Feed

Slowly turn on the water feed to the weir allowing it to fill and flow over the spillway. Verify that the flow is where it is desired and adjust the positioning as needed.

Warning! Applying too much pressure when filling the weir could result in splash and possible disorientation of the weir if the weir is not thoroughly held in place.

Maintenance

To clean the LED array and refractor bar, remove two screws on either side of the spillway. Carefully lift out refractor bar revealing the LED bar. Clean with a soft bristle brush. Handle the refractor bar carefully to avoid stressing it and possible breakage. Replace the refractor bar adjusting for proper fit and reinstall the four screws. Do not force the refractor bar in place.

Warranty

Aquility Systems, Inc warrants this product to the original purchaser for a period of three years (1 year for LED bars) against defects in material or workmanship when used for normal residential purposes it is intended for. In order to obtain a replacement unit or repair the existing unit, you must obtain a RMA number and return the complete unit, postage prepaid, to the place of purchase, or to the Aquility Systems facility.

This warranty is intended to cover product defects only. Aquility Systems, Inc. is not liable for indirect, incidental or consequential damages in connection with the use of the Mystic Falls product covered by this warranty. This warranty does not cover any cost or expense incurred by the purchaser in providing substitute equipment or service during reasonable periods of malfunction or non-use of this product, while waiting for completion of repairs under this warranty. Some states do not allow exclusions of incidental or consequential damages, so the above exclusions may not apply in all states. This warranty gives you specific legal rights in your state, which vary from state to state.

Contact your distributor or Aquility Systems, Inc. if additional information is required.