



FIBERSTARS[®]

Sustainable Technology in Lighting[™]

FIBERSTARS LIGHTED RAIN **WATERFALLS**

INSTALLATION MANUAL

LRWF12-45 12" Lighted Rain Waterfall with 45' of 24 Strand Fiber
LRWF18-45 18" Lighted Rain Waterfall with 45' of 36 Strand Fiber
LRWF24-45 24" Lighted Rain Waterfall with 45' of 48 Strand Fiber
LRWF36-45 36" Lighted Rain Waterfall with 45' of 72 Strand Fiber
LRWF48-45 48" Lighted Rain Waterfall with 45' of 96 Strand Fiber

INSTALLATION GUIDELINE

Fiberstars Lighted Rain Waterfalls are designed to provide single rows of water and project them away from the falls lip at a 45 degree angle. The rows of water simulate the sound and effect of rain falling into the pool creating a unique and pleasant sound for you. The minimum water flow is between 5 and 8 GPM (gallons per minute). Keep in mind that as you increase the GPM flow rate the further out the “rain” fall will extend from wall of the pool. The Fiberstars Lighted Rain Waterfall must be installed with lip of the fall extending a minimum of 2” from the wall. Notch the beam for inclusion of the fiber and water connections.

PLUMBING

The Fiberstars Lighted Rain Waterfalls water supply line should be 1 ½ PVC SCH 40 pipe. A three way valve should be installed at the equipment pad to regulate the water flow to achieve the minimum specified flow rate. A rock trap is included with this fall and should be installed in a horizontal position with the debris trap pointing down. Place the rock trap as close to the fall as possible. Most important, **MAKE SURE THAT THE ROCK TRAP IS INSTALLED WITH THE FLOW ARROW POINTING TOWARDS THE FIBERSTARS LIGHTED RAINFALL.**

FIBER INSTALLATION

The Fiberstars Light Rain Waterfalls include 45 ft of pre-attached fiber. On the 12”, 18” and 24” falls they utilize a 50 strand fiber cable. On the 36” and 48” fall 100 strands are pre-attached. A 1” conduit is required for the fiber optic cable which should be run from the fall to the illuminator location. Install the fiber optic cable into the illuminator per the directions included with the illuminator. Use only sweep elbows or heat-bent PVC to maintain a 2” radius on all conduit connections.

PAINTING/FIBER TRIMMING

All Fiberstars Lighted Rain Waterfalls come with fiber extended from the fall approximately 2”. This allows for the painting of the fall after installation to better match the pool environment. After painting or if not painting, please cut the fiber flush with the fall. It is not necessary to use a hot knife to do this. If one or more of the fibers might already be flush and you wish to paint, please cover the fiber hole with a small piece of tape, etc. before painting. This will prevent the paint from obstructing the light output.

START-UP

After the pool is complete and filled with water, the Fiberstars Lighted Rain Waterfall is ready to be used. Make sure the opening is clear of debris and turn on the water supply pump. Slowly open the 3 way valve until the air is purged and water begins to flow from the fall. Adjust flow to achieve your desired effect.

WINTERIZING

The plumbing should be installed to allow water to drain easily from the system. Blow lines out and winterize pool as usual.