

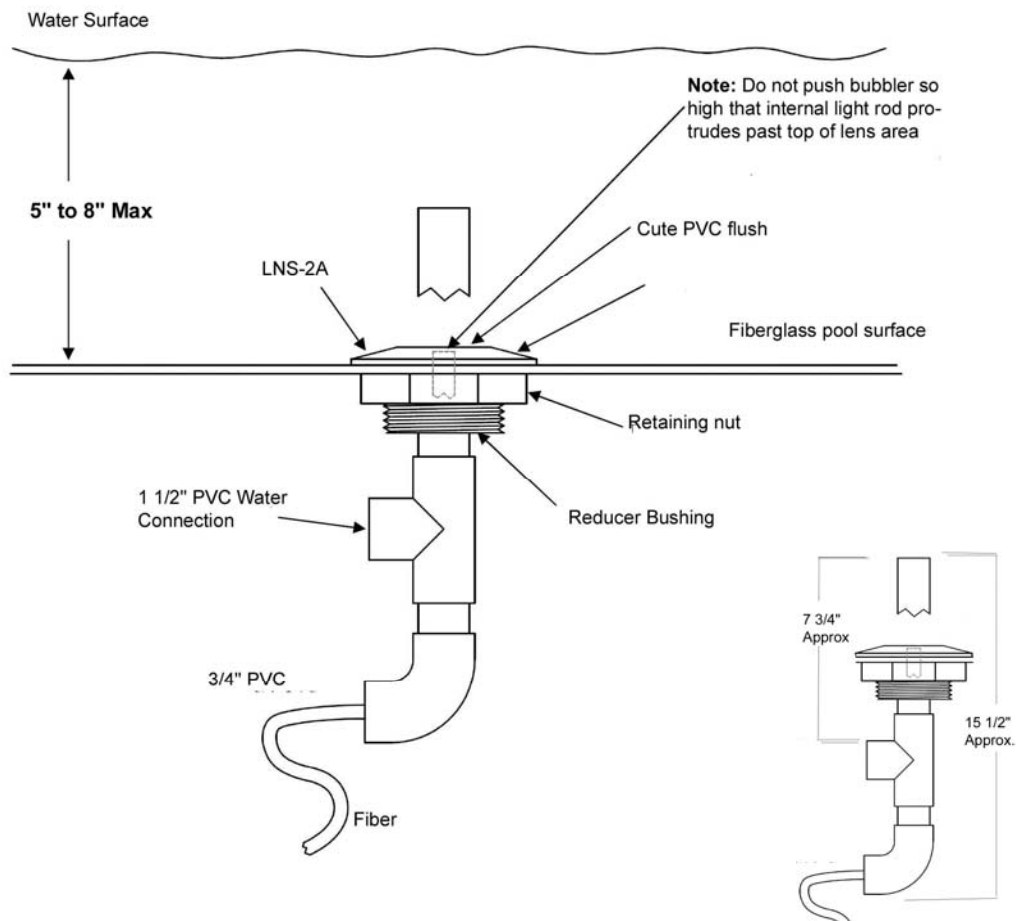
## Fiberstars Lighted Bubbler for *Fiberglass Pools*

### BLK-DL-45F

(45' of 75 strand Fiber)

Fiberstars Lighted Bubbler Deluxe is very simple device to provide lighted water for small fountains and sun shelf areas. The Lighted Bubbler Deluxe is pre-assembled for easy connection to a water supply line and a conduit connection for the fiber. The fiber is already connected to the bubbler and comes with 45 feet of 75 strand fiber pre-attached

### Lighted Bubbler for Fiberglass Pools



## **Installation Directions**

1. The Lighted Bubbler Deluxe is designed to be installed prior to the pool shell being installed in the ground.
2. Two conduits should be run to the bubbler:
  - A. 1 ½" PVC pipe for water supply and
  - B. ¾" conduit for fiber
3. The pipe supplying the water to the bubbler should have a gate valve or ball valve installed to adjust the water supply flow.
4. The conduit for the fiber optic cable should run to the Fiberstars illuminator and installed per directions included with the Fiberstars illuminator.
5. The Extended LNS-2A should be installed through the fiberglass pool shell and secured using the enclosed nut and gaskets.
6. Glue into the bottom slip fitting on the LNS-2A the enclosed 1 ½" x 1" PVC reducer bushing.
7. Apply glue on the ¾" internal socket fitting of the PVC adapter AND the 1" pipe of the bubbler.
8. Slide the 1" PVC pipe into the 1" internal socket until the pipe is extended approximately 4" past the top or internal poolside of the LNS-2A.
9. Slide the enclosed clear lens assembly over the 1" pipe and screw it tight into the LNS-2A. This will not create a water tight seal, it is for appearance purposes.
10. Trim 1" pipe flush with the LNS-2A assembly.

## **IMPORTANT NOTICE**

Note: DO NOT INSTALL THE BUBBLER TIP MORE THAN 4 INCHES ABOVE THE SURFACE AREA. THE INTERIOR OPTIC ROD IS 4 ¾” DOWN FROM THE TIP’S TOP AND WILL BE DAMAGED IF TRIMMED FOR FLUSH INSTALLATIONS BELOW THIS LEVEL.

The Lighted Bubbler is designed so that the tip of the bubbler is approximately 5 to 8 inches underwater but can be deeper as long as the water supply volume can be increased.

Keep in mind that the deeper the tip is underwater the less the lighting effect will be above the water.

Fiberstars recommends that during installation the Lighted Bubbler tip is capped off with tape, etc. so that no debris gets into the internal area of the bubbler.

The Lighted Bubbler may be installed in many different methods and applications, such as:

- a. Flush with interior surface (described above)
- b. Raised off the surface area but with the tip under the water surface – typically fountains
- c. Raised above the water surface – typically fountains

After connecting the fiber to the illuminator and the completion of all steps indicated above, turn on the water supply.

Adjust the water volume to achieve the desired water flume/lighting effect.

**IMPORTANT:** Make sure that the conduit for the fiber when it terminates in the Fiberstars illuminator is **ABOVE** water level. If not, there is a possibility that the pool water will siphon from the pool to the illuminator.

For additional questions please contact Fiberstars Customer Service Pool & Spa Division.