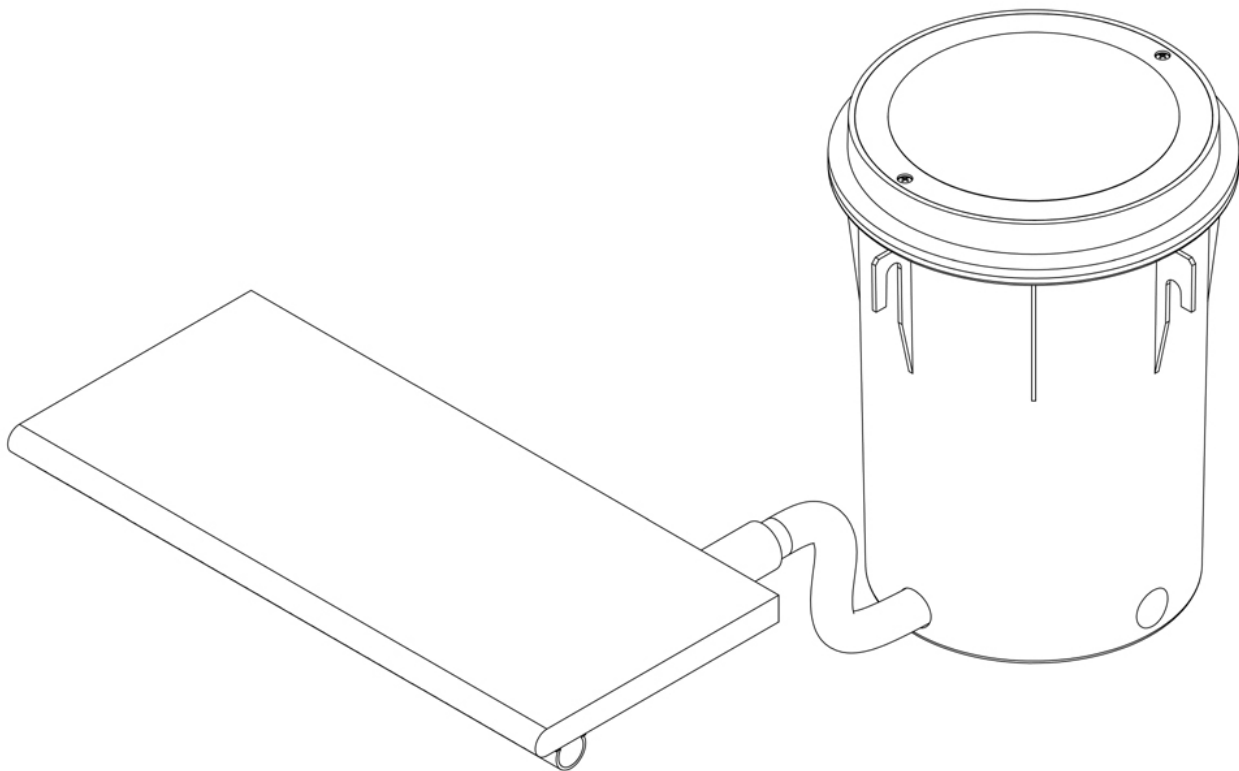


Color Light Stream™ Lighted Rain Waterfall
Installation Manual



Part number	Description
CLSRW24-8	Color Light Stream Lighted Rain Waterfall 24"
CLSRW36-8	Color Light Stream Lighted Rain Waterfall 36"
CLSRW48-8	Color Light Stream Lighted Rain Waterfall 48"

Input Power: 12V AC
Total Power: 6 W



3072091

ETL listed for installations within 5 ft. (1.5M) of outer edge of water

SAVE THESE DIRECTIONS!

Fiberstars Color Light Stream™ Lighted Rain Waterfall (CLSRW) are designed to provide single rows of water and project them away from the falls lip at a 30 degree angle at a maximum outward distance of 7 inches from the lip. 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) per foot of waterfall width. Keep in mind that as you increase the GPM flow rate the further out the “rain” fall will extend from the wall of the pool. The Color Light Stream 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 Color Light Stream 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 WATERFALL.**

FIBER INSTALLATION

The Color Light Stream Lighted Rain Waterfalls include a pre-assembled fiber and deck box kit with 6 feet of flex pipe. Please see Deck Box Installation for instructions.

COLOR LIGHT STREAM DECK BOX IS MADE OF ABS MATERIAL. USE ONLY ABS-PVC GLUE WHEN MAKING ANY PLUMBING CONNECTIONS TO THIS DECK BOX.

INSTALLATION OF THE COLOR LIGHT STREAM MINI DECK BOX

1. Prepare location by digging hole 2 feet in diameter and depth.
 - a. For in deck applications – Level the lid to the finished grade level of decking.
 - b. For planter areas – Deck Box lid should be 2 inches ABOVE the landscape area to prevent materials from intruding or washing the deck box.
2. Place deck box into the excavated hole with one of the connection holes pointed in the general direction of the conduit for the 12VAC wire to run in.
3. The bottom of the deck box can be supported by utilizing the 1” PVC support connection. The support pipe should be approximately 4” in length. You may also support the deck box to any decking rebar to help maintain the proper level by using the rebar support (4) wings on the deck box.
4. IT IS IMPERATIVE THAT ALL DECK BOXES HAVE PROPER DRAINAGE. Install 1’ PVC on the bottom of the deck box into the drain line hole provided.



5. Glue into place all conduit pipes at this time. It is recommended that the 12VAC conduit for the wire on the Color Light Stream™ LED driver be no less than ¾" in diameter.
6. Fill excavated area with gravel until the gravel reaches approximately 1" up on the bottom of the Color Light Stream deck box.
7. Finish your deck material installation making sure that the Deck Box lid remains level. Utilizing the 3" adjustable Deck Flange on the deck box, adjust to match your deck height.
8. At this time run the supplied 100ft of 12VAC wire from the Color Light Stream LED driver through your conduit, back to the location of your transformer (not included).
9. Fill all conduit connections inside the Deck box with silicone or similar materials to prevent water from entering deck box interior.
10. Make wire connections per your UL Listed Outdoor Rated Class 2 transformer manufacturers directions. All wiring must be in compliance with local electrical codes and NEC.

PAINTING/FIBER TRIMMING

All Color Light Stream Lighted Rain Waterfalls come with fiber extended from the fall approximately 2". This is to allow 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. You can use a hot knife to do this. Be careful of melting PVC material. If one or more of the fibers is already 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 Color Light Stream 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.

You now are set to start enjoying the wonderfully lit Color Light Stream Lighted Rain Waterfalls manufactured by Fiberstars.

For additional product or installation help, please contact Fiberstars Technical Service department.

LIGHT CONTROL AND OPERATING INSTRUCTIONS:

1. Switch to on position – Light turns on, color is white and synchronization begins.
2. Switch off/on – Synchronization stops on desired color.
3. Switch off/on – Continue Synchronization from last color.
4. Switch off/on – repeat step #2.
5. Switch off for a minimum of 3 seconds and the unit will reset to step #1.

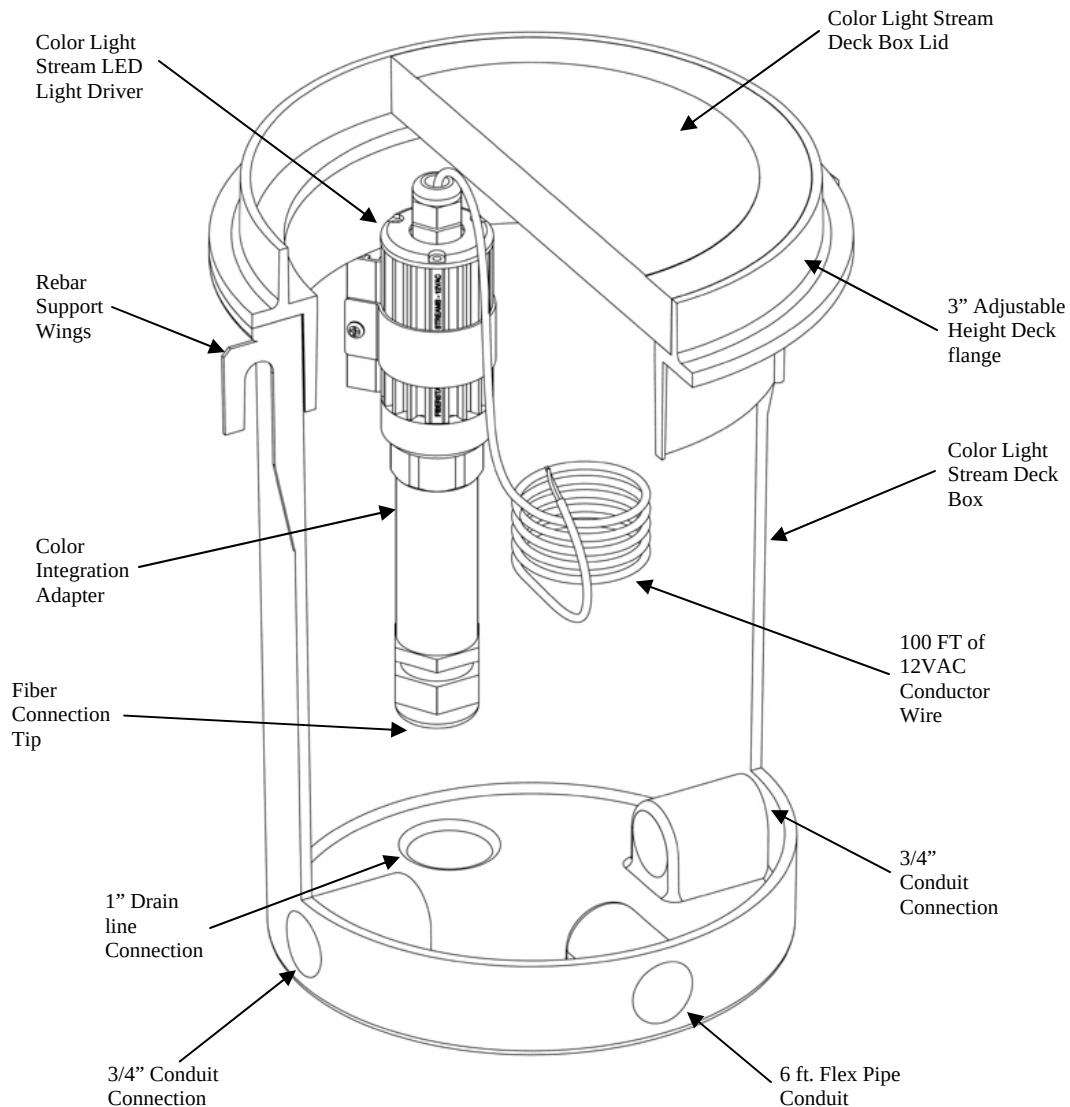


Figure A

