SR Smith COLOR LIGHT STREAMS™ STAR FLOOR KIT
(CLSSFK-25)

These unique fixtures and fiber optics cable kits will allow for the installation of fiberoptic lights into the interior of a gunite pool. These kits are **NOT** designed for use in fiberglass or vinyl pool applications. The the CLSSFK-25 (25 fixtures) kit are installed in the same manner.

Specifications:

Input Power: 12V AC
Total Power: 5 W

INSTALLATION

1. Install the Color Light Streams Mini Deck Box as per instructions supplied with the Color Light Streams Mini Deck Box.

2. 1 ½" conduit should be run from the Color Light Streams Mini Deck Box location to the general location within the pool where the Color Light Streams Star Floor fixtures are going to be located.

3. After Gunite, the 1 ½" conduit should be cut down so that it is below the interior surface area.

4. Take the Color Light Streams Star Floor Kit assembly and layout the fiber so that the fiber can be pulled back through the conduit. It also helps the fiber get warm, so that it is easier to place the fixtures down on the pool surface.

5. Mark on the pool's interior surface a location for each Color Light Streams Star Floor Fixture.

Note: It is recommended that after this point in the installation you go to a location where you can view the overall design of the Color Light Streams Star Floor Fixtures before proceeding further.

6. At this time, pull the fiber through the conduit and remove any slack from the pools interior.

7. Use a small amount of caulking on the base of each Color Light Stream Star Floor fixture to hold it in place on the gunite surface.
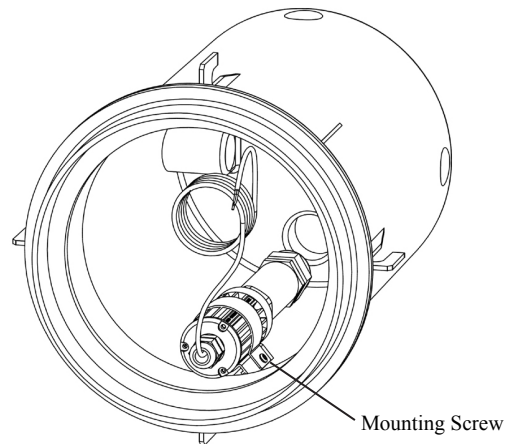
Note: You may also elect to form a small pocket in the gunite in which the Color Light Stream Star Floor Fixture can be caulked to. This helps reduce the amount of plaster, etc. that will be required to cover the fixture.

8. Make sure all the fiber running from each Color Light Streams Star Floor fixture is laying flat. You may want to use a small amount of caulk on any strands that are trying to rise up off the floor.
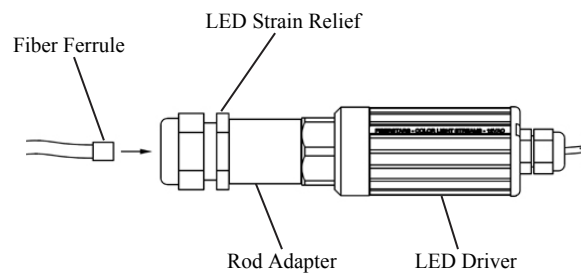
FIBER PORT INSTALLATION

Remove the Color Light Streams™ LED driver from the mounting bracket.

Mounting Screw

Insert the Fiber Ferrule into the LED Driver until you cannot push the ferrule any farther. **HAND** tighten the LED Strain Relief. Remount the LED driver into the mounting bracket in the reverse order as discussed in the previous step.

Fiber Ferrule

LED Strain Relief

Rod Adapter

LED Driver

IMPORTANT STEP

Make sure all the Color Light Streams™ Star Floor Fixtures are secured in place. Use a Portland cement mixture to plaster over all Color Light Stream Star Floor Fixtures, fiber and conduit entry points.
It is very important to ensure that there is no leakage at the conduit entry point(s).
This method of going over the fiber strands and the Color Light Streams Star Floor fixtures also helps protect the fiber/fixtures during the plastering process.

8. Once the interior surface has dried, trim each Color Light Streams Star Floor Fixture flush.

9. To change the light effect out of each fixture you may do the following to the remaining tip that is flush with the interior surface:
      A. Polish the tip with wet/dry sand paper. This will give you the least amount of
         light from the tip.
      B. Use a medium grade sand paper and sand the tip end. This will achieve a
         higher amount of light output than item A.
      C. Use a very heavy grade of sand paper and make the tip end extremely rough.
         The rougher the tip end is made the more light it will produce.

10. Terminate the fiber according to directions above on page 2 or in the illuminator installation manual.

11. The final step is to connect the Low Voltage cable to an approved Class 2, 12VAC (basic mode) or the SR Smith iStar Controller for advanced control. ***DO NOT*** *under any circumstance wire the LED light source directly to 110VAC power source - permanent damage will occur.*

This product requires no maintenance and in fact over time as the Color Light Stream Star Floor Fixture tips become rougher, the tips will glow even brighter.

Multiple kits can be used to create more elaborate effects.

This product can also be used in most decking materials.

Any questions, please contact the SR Smith Customer Service or Technical Services Departments for more information.

Note: CLSSFK-25 This kit includes 25 fixtures. Two strands each at 25' lengths.

Color Control

Basic Operation for LED CLS-2is
Advanced control requires iStar Controller - see operation manual for further instructions

When connected to an approved, 12VAC, Class 2 power supply - The S.R.Smith CLS-2is LED color changing light source uses simple 'off / on' power switching to control the basic, pre-defined color modes with memory function. This allows for a variety of simple control layouts to best fit your application.

Memory
The new memory function will allow the user to have the same color light as last used. For example, if the light was last used in Blue mode, the next time the light is simply turned on - it will use the memorized color.

Color Mode Selection
Due to the memory function, when the lights are switched on, they will display the last used color. To move to the next color mode, simply toggle the power to the lights 'OFF / ON' within 1 second or faster. Advance through the modes until the desired color (mode) is selected - the modes will cycle 1,2,3,4,5,6,7,8, then cycle back to #1 and repeat (see table at bottom of this page).

Color Sync - Reset
The memory function may make it difficult get all lights to Color Sync depending on how the units are installed and tested. To synchronize all lights on the system including older *Fiberstars LED Series Pool lights, you must use the following sequence:
1. Turn lights 'ON' to confirm the color modes are out of sync.
2. Turn lights 'OFF' for 5 seconds or more.
3. Toggles lights 'ON' / OFF' three times within three seconds - must end in 'OFF' condition
4. Leave lights in 'OFF' condition for 5 seconds.
5. Turn lights 'ON' and confirm that all lights are in mode #1, Soft Color Change

Color Mode Selection Guide	
Mode 1	Soft Color Change
Mode 2	White
Mode 3	Blue
Mode 4	Green
Mode 5	Red
Mode 6	Amber
Mode 7	Magenta
Mode 8	Flash Color Change

* Older Fiberstars LED lights can synchronize with the newest generation lights ONLY if they have their DIP switches in their default, 'All Down' position. In a mixed environment, the Color Sync Reset will need to be performed each time the lights are used and color synchronization is desired.