



## **FIBERSTARS STAR FLOOR KITS** **(SFK10-60 & SFK25-60)**

These unique fixtures and fiberoptics 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. Both the SFK10-60 (10 fixtures) or the SFK25-60 (25 fixtures) kits are installed in the same manner.

### **INSTALLATION**

1. 1 ½” conduit should be run from the illuminator location to the general location within the pool where the Star Floor fixtures are going to be located.
2. After Gunite, the 1 ½” conduits should be cut down so that it is below the interior surface area.
3. Take the 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.
4. Mark on the pool’s interior surface a location for each 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 Star Floor Fixtures before proceeding further.

5. At this time, pull the fiber through the conduit and remove any slack from the pools interior.
6. Use a small amount of caulking on the base of each 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 Star Floor Fixture can be caulked to. This helps reduce the amount of plaster, etc. that will be required to cover the fixture.

7. Make sure all the fiber running from each 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.



## **IMPORTANT STEP**

Make sure all the Star Floor Fixtures are secured in place. Use a Portland cement mixture to plaster over all 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 Star Floor fixtures also helps protect the fiber/fixtures during the plastering process.

8. Once the interior surface has dried, trim each 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. The final step is to terminate the fiber according to directions in the illuminator.

This product requires no maintenance and in fact over time as the 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 Fiberstars Customer Service or Technical Services Departments for more information.

Note: SFK10-60 This kit includes 10 fixtures. One strand each. 2 fixtures at 56'-57'-58'-59'-60'.

SFK25-60 This kit includes 25 fixtures. One strand each. 5 fixtures at 52'-54'-56'-58'-60'.