

FIBERworks®

Installation Instructions for Cascade Lights

Read and Follow All Instructions

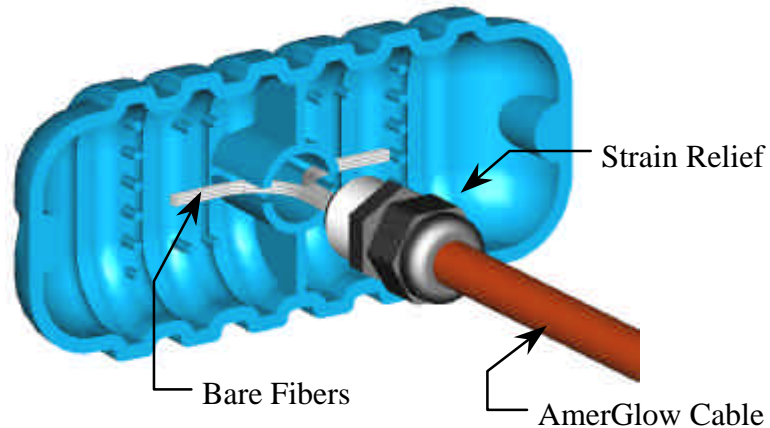
To install this Cascade Light, you will need an OptiFusion kit, as well as sufficient AmerGlow cable to reach from the Photon Generator to the Cascade Light location(s). You can use either AmerGlow 12, 30 or 70 fiber cable with the Cascade Light.

Please refer to the instructions included with the Photon Generator for details on installation of cable into it.

The Cascade Light mounts directly on the wall of the pool, either under a cascade water feature or a waterfall. It can also be located completely outside the pool, in a fountain, on a wall along a walkway, or wherever else you want soft, beautifully colored light.

1. We highly recommend the use of conduit (½" will work well for 12 and 30 fibers, ¾" is better for 70 fibers) between the Photon Generator and the Cascade Light location. Bush up to 1" conduit for the last 6" before the wall, to allow for the fitting at the back of the Cascade Light. Cut the 1" conduit flush with the face of the wall, either at the level of the finished plaster, or the tile. It is easiest on a tile surface to line up the center line of the Cascade Light with the grout line, as the screws and anchors can then be mounted directly into the grout line.
2. Pull the fiber optic cable through the conduit to the location where the Cascade Light is to be installed. Make sure to leave enough slack at the Photon Generator end to allow proper termination there. See the Photon Generator installation manual for recommendations and proper installation procedure.
3. Strip about 3 to 4 inches of the jacket from the end of the cable at the Cascade Light. See the instructions with the OptiFusion kit on proper use of the stripping tool.
4. For more even, diffused light, roughen the exposed fibers by either rubbing them gently with emery cloth or sandpaper, or carefully scrapping with a knife. Be careful not to nick the fibers, as they may snap or break.
5. Place the black strain relief over the end of the fitting, with the threaded end towards the end of the cable.

6. Divide the bundle of fibers in half, then place these halves in the slots in the back of the Cascade Light as shown in the following diagram:



7. Screw the strain relief into the back of the Cascade Light, **hand-tight**, then push the cable in until the jacket is flush with the end of the strain relief inside the Cascade Light.
8. Tighten the nut on the strain relief hand-tight, until the cable is held securely. At this point the bare fibers should be sticking out on both sides of the center of the Cascade Light, along the inside surface.
9. If desired, arrange the fibers in the back of the Cascade Light, using the small posts to guide the fibers. Clip the fibers to the desired length using side cutters or scissors. The fibers can be cut at different lengths for a staggered effect.
10. Gently push the cable and Cascade Light assembly back into the conduit until it rests against the surface of the tile or plaster. Drill out the mounting holes (small guide dimples are provided) and use small (#4 or #6) screws and anchors to hold the Cascade Light to the wall. You can also use silicone to hold the Cascade Light in place, although this is not as secure.
11. Finish the cable at the Photon Generator end and test functionality

If you have any questions regarding this installation, please call our customer service hotline, Monday through Friday, 7:30 am to 4:30 pm, PST at:

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