



Entry Level Fiber Optic Systems

Instructions for Operation • Safety • Warranty

Thank you for purchasing the EasyPro Fiber Optic Lighting Package. This high quality yet affordable lighting system is designed to provide excellent lighting in smaller settings. Fiber optic lighting is much different than normal low voltage lighting. A typical low voltage lighting system has a transformer on shore with underwater lights located in the pond. Fiber optic lighting has a shore mounted illuminator box which has the light bulb inside it. The light shines through a rotating wheel and as it rotates the light changes color. The light is then carried down the fiber optic cable to the light end. This end directs the light from the cable out into the water. This means that there is no electricity in the water and when it is time to change a light bulb it's easy to do since the bulb is on the shore in the illuminator box. Up to six fiber optic cables can be run off of one light bulb in the illuminator box.



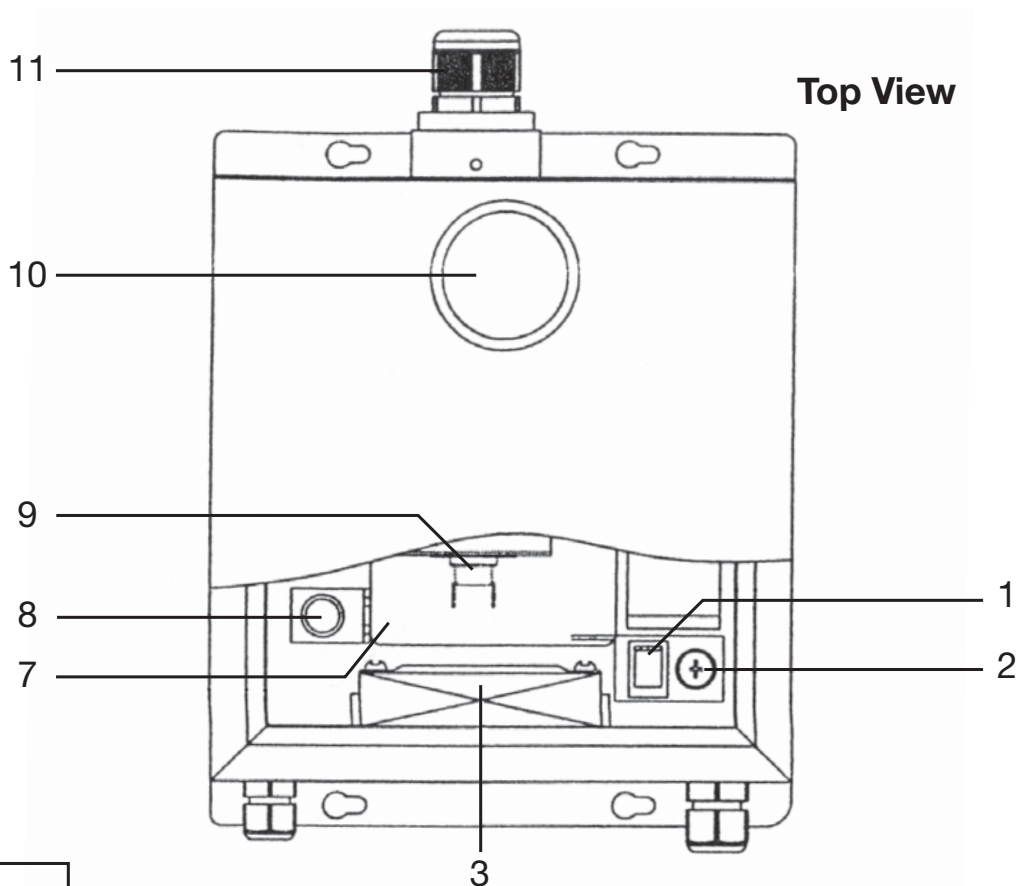
Safety & Electrical Connections

1. Always disconnect the electrical supply before handling, maintaining, repairing or installing any pond equipment.
2. Connect this product only to a 110 volt receptacle that is protected by a Ground Fault Circuit Interrupter.
3. The illuminator may be plugged into a 110 volt timer that is protected by a GFCI.
4. When replacing the lamp, turn off the illuminator box and let cool for 15 minutes before handling.
5. All electrical work must be performed by a qualified technician. Always follow the National Electrical Code (NEC) or the Canadian Electrical Code as well as all local, state and provincial codes. Code questions should be directed to your local electrical inspector. Failure to follow electrical codes and OSHA safety standards may result in personal injury or equipment dam-

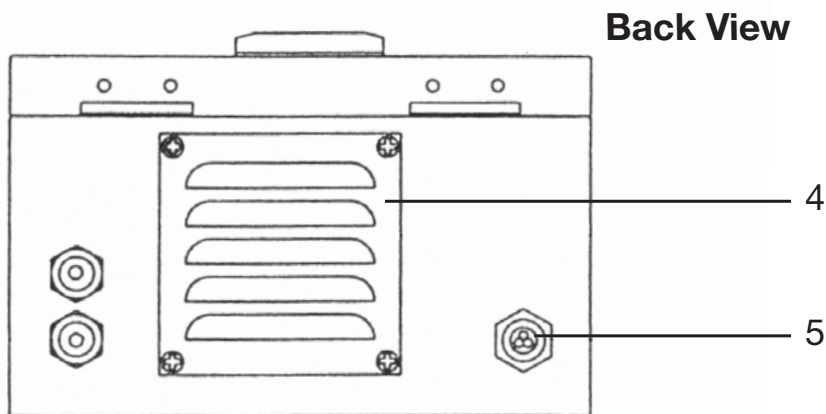
age. Failure to follow manufacturer's installation instructions may result in electrical shock, fire hazard, personal injury or death, damaged equipment, provide unsatisfactory performance and may void manufacturer's warranty.

Installation

1. **Always disconnect the electrical supply before handling, maintaining, repairing or installing any pond equipment.**
2. Before using the fiber optic illuminator box, open the top cover and remove the styrofoam color wheel protector.
3. The illuminator box must be connected to a 110 volt receptacle that is protected by a Ground Fault Circuit Interrupter.



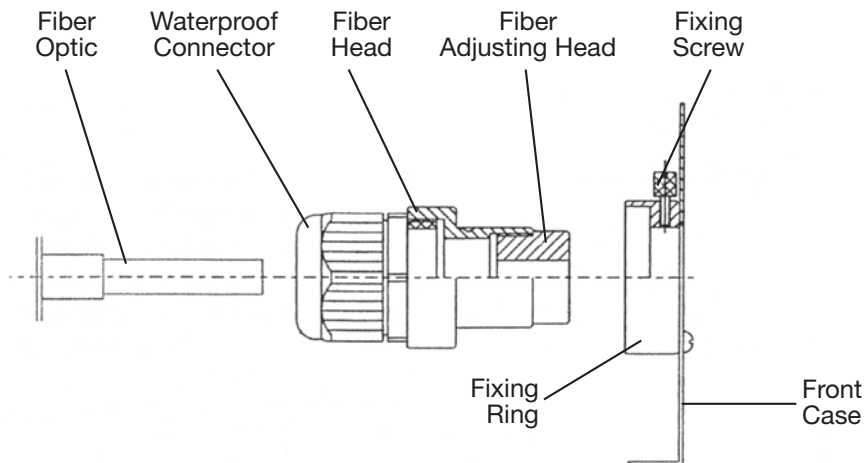
Top View



Back View

- | |
|---------------------------|
| 1. Power switch |
| 2. Fuse |
| 3. Fan |
| 4. Fan protection plate |
| 5. Power cable |
| 7. Shading board |
| 8. Color select switch |
| 9. Temperature control |
| 10. Waterproof lock cover |
| 11. Waterproof connector |

4. The illuminator box must be installed in the horizontal position.
5. Keep a 4" clearance around the entire box.
6. Be sure the fixing screw is backed out of the fixing ring.
7. Insert the fiber optic head into the fixing ring all the way. Then tighten down the screw to hold the fiber optic head in place.
8. Run the cables out to desired locations and position the light ends.
9. After everything is properly placed, open the top cover and turn on with the power switch (#1 on the diagram).
10. If a certain color is desired, or to stop the color wheel, press the button (#8 in the diagram).



Service & Maintenance

1. **Always disconnect the electrical supply before handling, maintaining, repairing or installing any pond equipment.**
2. When replacing the lamp, turn off the illuminator box and let cool for 15 minutes before handling.
3. To replace the bulb, open the top cover.
4. Remove the screws that hold the shading board in place, remove the shading board.

Note: Do not touch glass part of lamp with bare fingers!

5. Remove the old bulb and discard, install the new bulb (part #EFOB, 100 watt halogen bulb).
6. Replace the shading board and screw into place.
7. If you turned the switch off - be sure to turn in back on.
8. Close the cover and lock.
9. Plug the Illuminator box back in and enjoy.
10. When replacing the fuse, open the cover, the fuse location is next to the power switch (#2 in the diagram). Replace the fuse and close cover.
11. On a regular basis, clean or blow out the inside to get rid of excess dust.
12. Periodically clean the color wheel, light ends and the heat insulation plate.

Replacement Bulbs for Entry Level Fiber Optic Systems

Part #	Bulb Part #
EFO41	EFOB
EFO42	EFOB
EFO61	EFOB
EFO62	EFOB

Warranty:

This product is warranted against any mechanical or material defects for a period of three years from the date of purchase (bulbs are a wear item and are not covered by warranty). Warranty only covers properly installed and maintained units.

The warranty does not cover normal wear and tear, nor any deterioration suffered through overloading, improper use, negligence or accident. Similarly, any modification made by the purchaser to the product will cause the warranty to be null and void.

All returned items will be inspected to determine cause of failure before warranty is approved.

Warranty does not cover any cost associated with the installation or removal of the product subject to warranty claim.

An RA number must be obtained by calling EasyPro Pond Products at 800-448-3873. It is your responsibility to pay the return shipping charges. Be sure to include the RA number, original receipt (in the form of an invoice or sales receipt), name, return address and phone number inside of the package. No warranty claims will be honored without the original receipt.

Ensure the product is properly packaged and insured for the replacement value. Damage due to improper packaging is the responsibility of the sender.

The manufacturer or supplier shall not be held liable for any damages caused by defective components or materials of this product; or for loss incurred because of the interruption of service; or any consequential/incidental damages and expenses arising from the production, sale, use or misuse of this product.

The manufacturer or supplier shall not be held liable for any loss of fish, plants or any other livestock as a result of any failure or defect of this product.



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