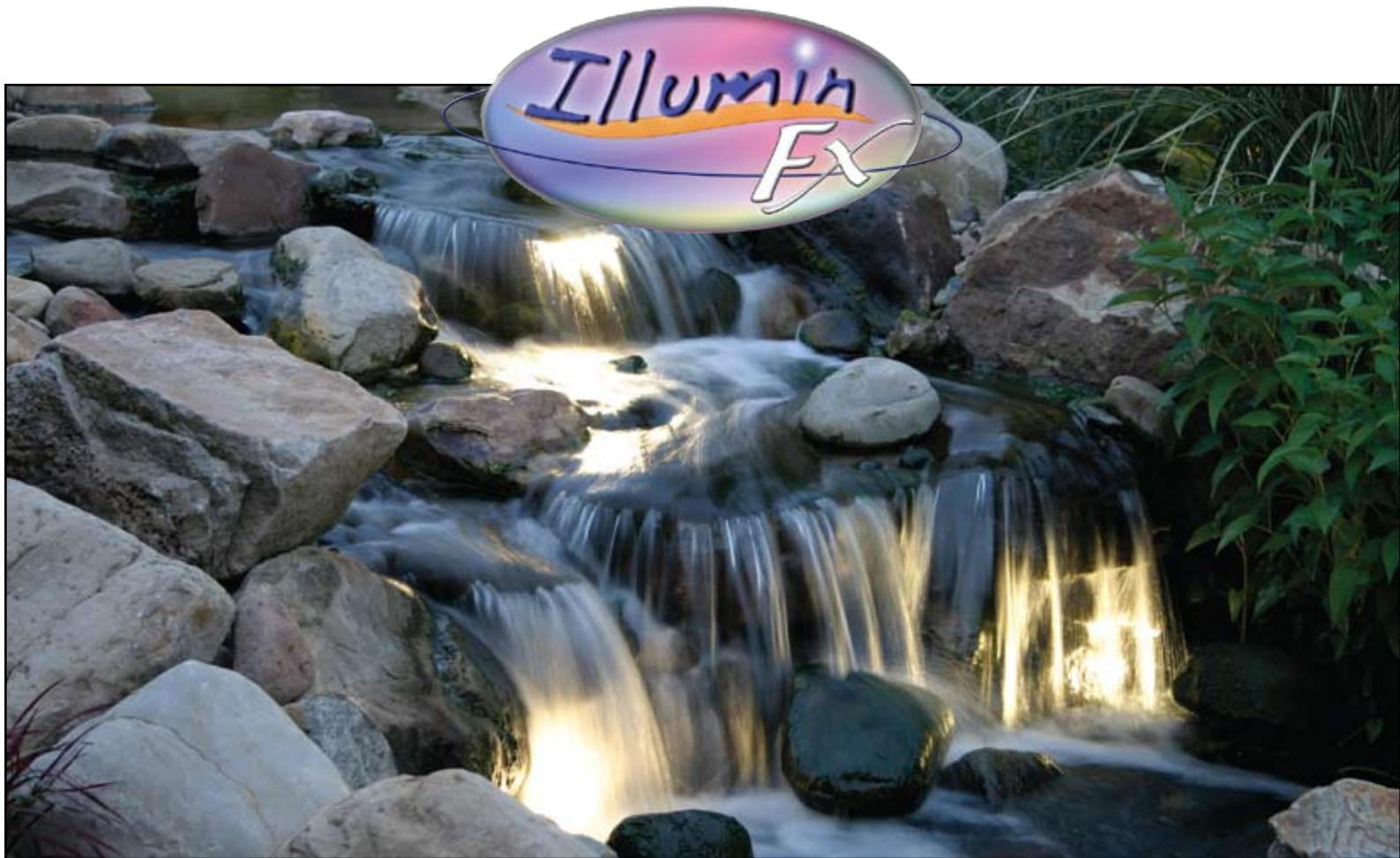


FIBER OPTIC LIGHTING

SPECTACULAR EFFECTS WITH LIGHT IN AND AROUND THE POND



A nighttime paradise - right in your own back yard!

Illuminate your water feature more beautifully than you've ever dreamed possible. Imagine, fixtures as small as a pen cap casting brilliant, bright light onto your waterfalls, streams, plants, landscape, and more.

Put light in places never before thought possible. Shallow stream beds, uplit marginal plants, beautifully illuminated water lilies ... All made possible with IlluminFx, the first fiber optic lighting kit designed specifically for ponds and water features.

Fiber Optic lighting has numerous advantages over traditional electric lighting systems.

- Multiple "end points" of light, or light fixtures may be illuminated by just one light bulb.
- No heat or electricity travels through the fibers, making fiber safe for many environments.
- The light source may be positioned in a remote location away from the light output, allowing easy access to the source for lamp changes.
- A color wheel can be placed between the light source and the fiber to create colored light.

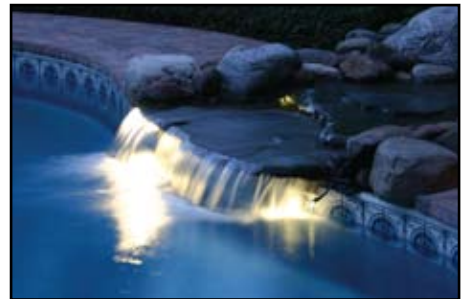
Description

The IlluminFx Fiber Optic Pond Lighting system consists of a specialized light source enclosed in a box called an illuminator. Up to sixteen individual fiber optic cables are bundled together at one end and terminate in front of the light source inside the illuminator.

Light is transmitted into the common end of the fiber optic cables, travels through the cables and out the other end, illuminating whatever the designer specifies.

IlluminFx fixtures may be positioned underwater, next to the water, out of the water, between rocks, or virtually anywhere one wishes to place them.

A dichroic glass color wheel is placed between the light source and the input end of the fiber optic harness, giving the user the ability to change the color of the light. The wheel may be stopped at one color (white, blue, green, or magenta), or may rotate continuously from color to color.



Features

- **Small Fixtures** - our fixtures are about 1/2" diameter at the widest point and are around the size of a ball point pen cap. They are very easy to place and hide virtually anywhere in and around the pond.
- **Hassle Free** - Just one light bulb is able to illuminate up to 16 separate light fixtures, placed in and around the pond. Once placed, there is no need to wade back into the water to change a light bulb; the light bulb is located outside the pond in an easily accessible location.
- **Koi Friendly** - No electricity, heat or UV in fiber tubing.
- **Color change options** - each system includes a four color rotating wheel allowing the user to specify white, green, magenta, or blue light, and gives the ability to stop and leave the wheel at, say, white light or let the wheel gently rotate through color changes. Color change is also ideal for holiday lighting.





Product Guide



Patent No. 7,004,641

All Fiber Optic Lighting Kits include: Illuminator with 4-color wheel (white, green, magenta, blue), pre-cut, pre-assembled fiber optic cable harness, designated number of fixtures, installation and maintenance manuals.

Series 2 kits include a 250W quartz halogen illuminator with rated lamp life of 400-700 hours. This illuminator offers instant-on and lowest cost.

Series 6 series kits include a 150W metal halide illuminator with rated lamp life of 6000 hours. Our brightest, most energy efficient illuminator, requires several minutes to full brightness, and a 3-5 minute restrike time.

Kit Type	Part Numbers	Fiber Cable Length and Quantity (EEF-25, Sunburst)						
		10'	12'	16'	18'	20'	22'	30'
4-light	AQ-2404		2	2				
8-Light	AQ-2408, AQ-6408	2	2			4		
12-Light	AQ-2412, AQ-6412	2	4		2	2	2	
16-Light	AQ-2416, AQ-6416		6			2	4	4
Custom	Custom Configuration (consult factory)	Any length combination, maximum cable length 50'						

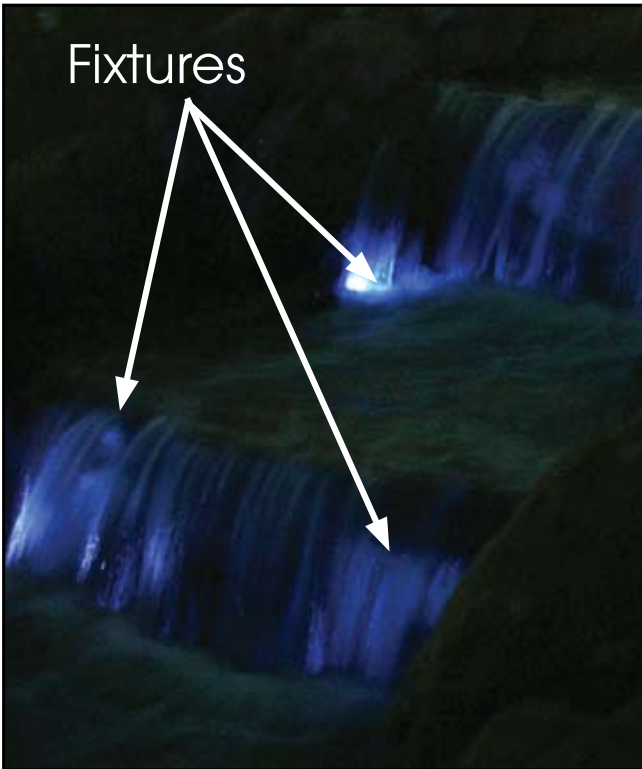
Series 7 High Light Output kits include a 150W metal halide illuminator with rated lamp life of 6000 hours. Each fiber optic cable contains twice as many fibers as our popular Series 2 and Series 6 kits.

Kit Type	Part Numbers	Fiber Cable Length and Quantity (EEF-50, Sunburst II)		
		20'	30'	40'
4-light	IFX-7404	2	2	
6-light	IFX-7406	2	2	2
8-light	IFX-7408	2	4	2
Custom	Custom Configuration (consult factory)	Any length combination, maximum cable length 50'		

Application Guide

IlluminFx has a unique approach to water feature lighting design. Use the following recommendations as general "Rules of Thumb" for your specific project.

What do I light?



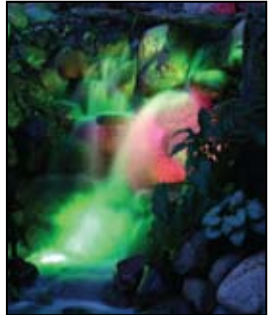
Streams - Use your creativity - IlluminFx lights are perfect for lighting stream beds, either above or below the waterline. If the light fixture is placed above the water line, it will illuminate the rocks and plants at the edge of the stream. If placed underwater, the water will glow and illuminate the pebbles in the stream.



Water Lilies - Use at least one fixture per lily. Place the light in between rocks about 2 ft away from the stems of the lily. Aim the fixture at the stems. Light will illuminate the stems, create a beautiful translucent glow through the pads, and light up the water beyond, so you can see your fish.



Waterfalls: At least one fixture per "drop", depending on the size of the drop. Two fixtures used on the same drop can give a color mixing effect when the color wheel is between colors. Place the fiber optic fixtures about 6-8 inches out in front and to the side of the face of the falls, just above the water surface, and aim the light back at and across the face of the falls.



Unitrac Energy Management Co.

22 Harcourt Road • Rochester, NY 14606
ph: 585-254-8010 • Fax: 585-254-8033
www.illuminFx.com • info@illuminFx.com

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