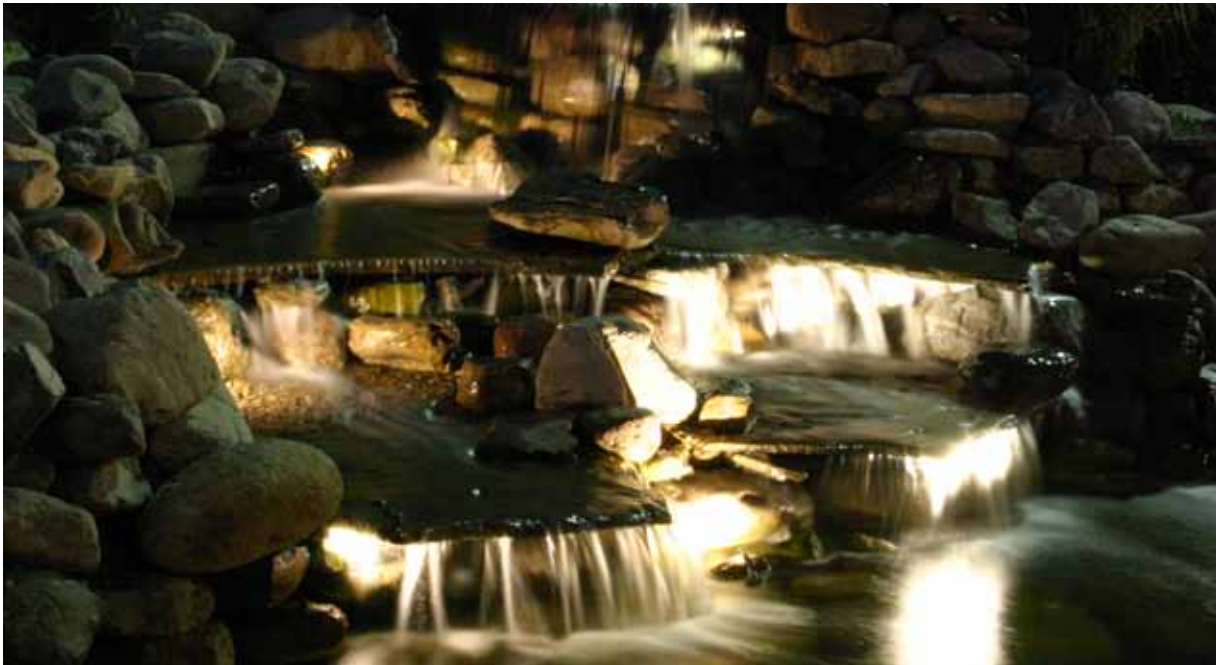




FIBER OPTIC LIGHTING

SPECTACULAR EFFECTS WITH LIGHT IN AND AROUND THE POND



● ● A nighttime paradise – right in your own backyard!

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, upit 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 the 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 dichotic 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 rotate continuously from color to color.



FEATURES

- **Small Fixtures** – out 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. Once placed, only one easy accessible light bulb ever needs to be changed.
- **Koi Friendly** – No electricity, heat or UV in fiber tubing
- **Color Change Options** – Each system includes a 4 color rotating wheel allowing the user to specify white, green, magenta, or blue light. Or the user can slowly cycle through each color. Ideal for holiday lighting.



PRODUCT GUIDE



All Fiber Optic Lighting Kits Include: Illuminator with 4 color wheel, pre-cut, pre-assembled fiber optic cable harness with designated number of fixtures, and installation/maintenance manuals.

- **SERIES 2** kit include a 250W quartz halogen illuminator with rated lamp life of 400-700 hours. This illuminator offers instant-on and lowest cost.
- **SERIES 6** kit include a 150W metal halide illuminator with tated 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	Any length combination, max. 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 2/6 kits, effectively doubling the light output.

Kit Type	Part Numbers	Fiber Cable Length and Quantity (EEF-50, Sunburst II)		
		20'	30'	40'
4-Light	IX-7404	2	2	
6-Light	IX-7406	2	2	2
8-Light	IX-7408	2	4	2
Custom	Custom Configuration	Any length combination, max. cable length = 50'		

Other End Emitting Fiber

In addition to our popular Series 2/6/7 kits, **illuminFx** also offers several different sizes of end emitting fiber optic cables to achieve almost any desired lighting effect. Our Twinkle and Moonbeam fiber is perfect for a subtler, localized lighting effect such as small plants, steps, etc. **illuminFx** will customize a lighting harness specific to your needs.

Part No.	Description	Light Output
EEF-06	"Twinkle" Black PVC base jacket, 6 fibers	■
EEF-12	"Moonbeam" Black PVC base jacket, 12 fibers	■■■
EEF-25	"Sunburst" Black PVC base jacket, 25 fibers	■■■■■
EEF-50	"Sunburst II" Black PVC base jacket, 50 fibers	■■■■■■■



Side Emitting Fiber

Side emitting fiber optic lighting cables light out the entire length of the cable, giving a "neon" like effect, but much safer. Unlike high voltage neon and cold cathode systems, our side emitting fiber is flexible, can change colors, and carries no electricity. Therefore, it can be placed in and around water, in locations that are difficult to reach, and in places where electricity is no desired or possible. This SEF fiber is available in several possible sizes.

Part No.	Description	Light Output
SEF-25	Clear PVC Jacket, 25 fibers, round	■
SEF-50	Clear PVC Jacket, 50 fibers, round	■■■
SEF-75	Clear PVC Jacket, 75 fibers, round	■■■■■
SEF-100	Clear PVC Jacket, 100 fibers, round	■■■■■■■
SEFFB-25	Clear PVC Jacket, 25 fibers, Flat back (for pools)	■
SEFFB-50	Clear PVC Jacket, 50 fibers, Flat back (for pools)	■■■



Star Ceiling Kits

Create your own nighttime sky indoors with our **CX-1** fiber optic star ceiling kit. Perfect for use over a hot tub, dining room table, child's bedroom, or home theater. This kit is simple to install, and the LEDs will last for many years. **Fiber Optic Star field Ceiling Kits (CX-1)** kit includes: LED illuminator with (155) .75mm fibers, 2 meters long. (3) white and (2) blue LEDs fade in and out to create a twinkling effect.



Mounting Hardware & Accessories

illuminFx offers a variety of mounting accessories for quick and easy installation, as well as optional accessories to maximize the enjoyment of your environment.



AQ-LS
Landscape Stake



AQ-TP-25
Threaded Post



AQ-PB
Stealth Stand



GS02
Glare Shield



AQ-RM1, AQ-RM6000
Wireless Remote Control

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.

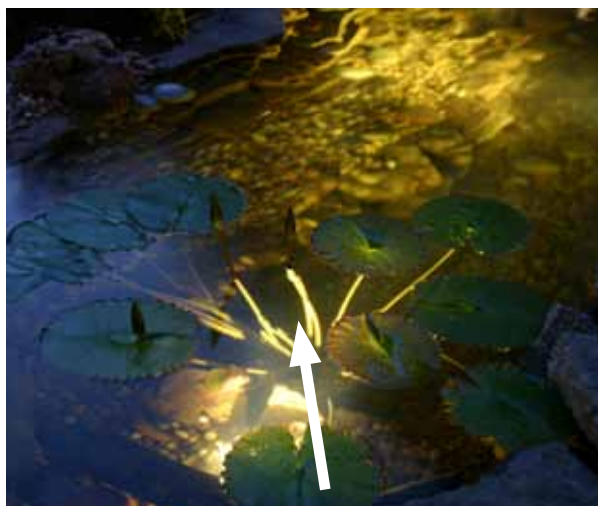
What do I light?



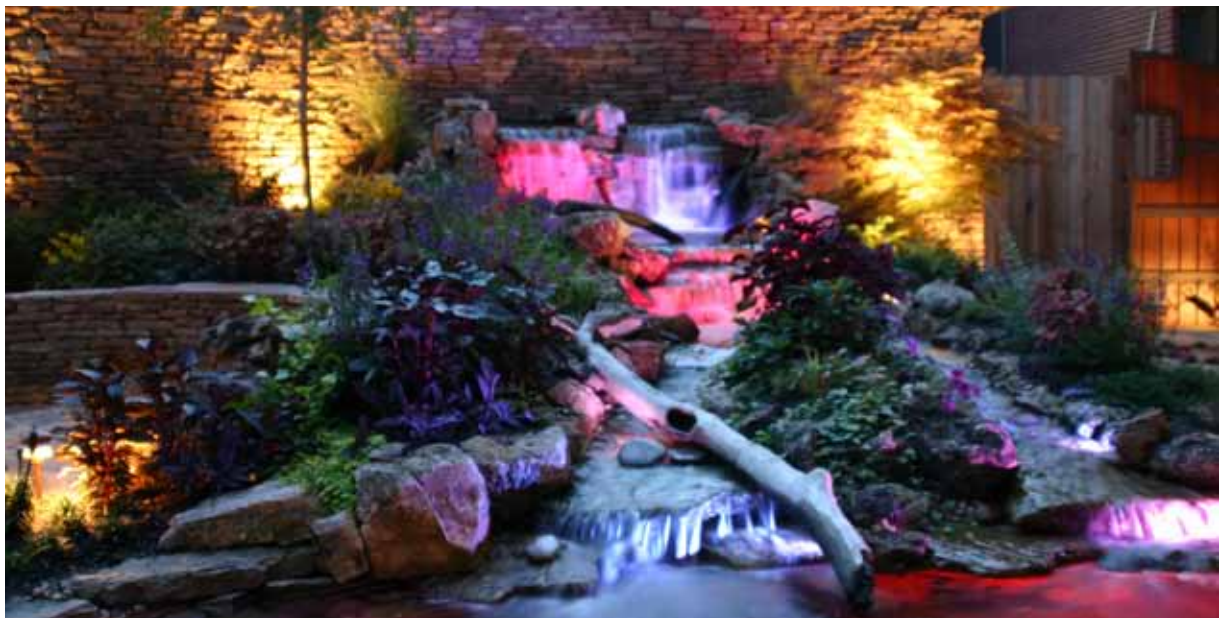
Waterfalls – At least one fixture per "drop", depending on the size of the falls. Two fixtures on the same drop can give a color mixing effect when the color wheel is between colors. Place the fiber optic fixtures about 6-8 inches out in front and to the side of the face of the falls, just above the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



Streams – Use your creativity – If the lighting 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 2 ft away from the stems of the lily. Aim the fixture at the stems. Light will illuminate the stems, creating a beautiful translucent glow through the pads, and light up the water beyond.



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