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.
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.

Description

- **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.

Features
## Product Guide

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.

### Fiber Cable Length and Quantity (EEF-25, Sunburst)

<table>
<thead>
<tr>
<th>Kit Type</th>
<th>Part Numbers</th>
<th>10’</th>
<th>12’</th>
<th>16’</th>
<th>18’</th>
<th>20’</th>
<th>22’</th>
<th>30’</th>
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</thead>
<tbody>
<tr>
<td>4-light</td>
<td>AQ-2404</td>
<td>2</td>
<td>2</td>
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<td></td>
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<tr>
<td>8-Light</td>
<td>AQ-2408, AQ-6408</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>12-Light</td>
<td>AQ-2412, AQ-6412</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>2</td>
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</tr>
<tr>
<td>16-Light</td>
<td>AQ-2416, AQ-6416</td>
<td>6</td>
<td></td>
<td>2</td>
<td>4</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Custom</td>
<td>Custom Configuration (consult factory)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Any length combination, maximum cable length 50’</td>
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</tbody>
</table>

### Fiber Cable Length and Quantity (EEF-50, Sunburst II)

<table>
<thead>
<tr>
<th>Kit Type</th>
<th>Part Numbers</th>
<th>20’</th>
<th>30’</th>
<th>40’</th>
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</thead>
<tbody>
<tr>
<td>4-light</td>
<td>IFX-7404</td>
<td>2</td>
<td>2</td>
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<tr>
<td>6-light</td>
<td>IFX-7406</td>
<td>2</td>
<td>2</td>
<td>2</td>
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<tr>
<td>8-light</td>
<td>IFX-7408</td>
<td>2</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Custom</td>
<td>Custom Configuration (consult factory)</td>
<td>Any length combination, maximum cable length 50’</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.
Product Guide

Other End Emitting Fiber
In addition to our popular Series 2, 6, and 7 kits, IlluminFx also offers several different sizes of end emitting fiber optic cables to achieve almost any desired lighting effect. Call for information on layout and specification. Our Twinkle and Moonbeam fiber is perfect for a subtler, localized lighting effect such as small plants, steps, etc. Or, arrange them in a straight line for use as a “light bar” to illuminate retaining walls, formal water features, and more. Or, use Sunburst and Sunburst II for more “punch”. IlluminFx will customize a lighting harness specific to your needs.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Brightness &amp; Light Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEF-06</td>
<td>“Twinkle”</td>
<td></td>
</tr>
<tr>
<td>EEF-12</td>
<td>“Moonbeam”</td>
<td></td>
</tr>
<tr>
<td>EEF-25</td>
<td>“Sunburst”</td>
<td></td>
</tr>
<tr>
<td>EEF-50</td>
<td>“Sunburst II”</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Brightness &amp; Light Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEF-25</td>
<td>Clear PVC Jacket, 25 fibers, round</td>
<td></td>
</tr>
<tr>
<td>SEF-50</td>
<td>Clear PVC Jacket, 50 fibers, round</td>
<td></td>
</tr>
<tr>
<td>SEF-75</td>
<td>Clear PVC Jacket, 75 fibers, round</td>
<td></td>
</tr>
<tr>
<td>SEF-100</td>
<td>Clear PVC Jacket, 100 fibers, round</td>
<td></td>
</tr>
<tr>
<td>SEFFB-25</td>
<td>Clear PVC Jacket, 25 fibers, Flat Back (for pools)</td>
<td></td>
</tr>
<tr>
<td>SEFFB-50</td>
<td>Clear PVC Jacket, 50 fibers, Flat Back (for pools)</td>
<td></td>
</tr>
</tbody>
</table>

Side Emitting Fiber
Side emitting fiber optic lighting cable projects 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 not desired or possible. This SEF fiber is available in several popular sizes. Call for information on layout and specification.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Brightness &amp; Light Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEF-06</td>
<td>Black PVC base jacket, 6 fibers</td>
<td></td>
</tr>
<tr>
<td>EEF-12</td>
<td>Black PVC base jacket, 12 fibers</td>
<td></td>
</tr>
<tr>
<td>EEF-25</td>
<td>Black PVC base jacket, 25 fibers</td>
<td></td>
</tr>
<tr>
<td>EEF-50</td>
<td>Black PVC base jacket, 50 fibers</td>
<td></td>
</tr>
<tr>
<td>SEF-25</td>
<td>Clear PVC Jacket, 25 fibers, round</td>
<td></td>
</tr>
<tr>
<td>SEF-50</td>
<td>Clear PVC Jacket, 50 fibers, round</td>
<td></td>
</tr>
<tr>
<td>SEF-75</td>
<td>Clear PVC Jacket, 75 fibers, round</td>
<td></td>
</tr>
<tr>
<td>SEF-100</td>
<td>Clear PVC Jacket, 100 fibers, round</td>
<td></td>
</tr>
<tr>
<td>SEFFB-25</td>
<td>Clear PVC Jacket, 25 fibers, Flat Back (for pools)</td>
<td></td>
</tr>
<tr>
<td>SEFFB-50</td>
<td>Clear PVC Jacket, 50 fibers, Flat Back (for pools)</td>
<td></td>
</tr>
</tbody>
</table>

Star Ceiling Kits
Create your own nighttime sky indoors with our CX-1 Fiber optic star ceiling kits. Perfect for use over a hot tub, dining room table, in a child’s bedroom, home theater, or any other place you can think of. This kit is very simple to install, and the LED’s will last for many years.

Fiber Optic Starfield Ceiling Kits (CX-1)
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 to facilitate quick and easy installation, as well as optional accessories to maximize the enjoyment of your environment.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Brightness &amp; Light Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQ-LS</td>
<td>Landscape stake</td>
<td></td>
</tr>
<tr>
<td>AQ-TP-25</td>
<td>Threaded post</td>
<td></td>
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<tr>
<td>GS02</td>
<td>Brass Glare Shield</td>
<td></td>
</tr>
<tr>
<td>AQ-RM1, AQ-RM6000</td>
<td>Wireless Remote Control (2000 and 6000 Series)</td>
<td></td>
</tr>
</tbody>
</table>
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?

Fixtures

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.