

FIBER OPTIC TECHNOLOGIES

2003 u.s. pool and landscape industry product catalog & price list

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**FIBER OPTIC
TECHNOLOGIES**



PROUD TO BE ISO REGISTERED

**2003 U.S. PRICE LIST
SWIMMING POOL & LANDSCAPE INDUSTRY**

Elegance
Versatility
Value

2550 Goldenridge Road, Unit 34, Mississauga, Ontario, Canada L4X 2S3

Phone: 905-949-9499 Fax: 905-949-9599 Toll Free: 1-877-949-9477

email: fiberoptec@yahoo.com website: www.fiberoptictechnologies.com

FIBER OPTIC TECHNOLOGIES

2003 "MOODLIGHT" U.S. PRICE LIST

Terms and Conditions

Credit Terms: • Net 30 days on approval • 3% 10 Days

C.I.A.: • Cash in advance payable by certified check, money order, Visa or Mastercard only

Freight: • F.O.B. Toronto, Ontario, Canada
• Free freight allowance on orders of \$5000.00 to one location at one time
• Freight allowance only allowed if account is current

Early Buy Terms: • Order minimum \$3000.00
• Order date by January 31, 2003 – 3 Post-dated checks prior to shipment dated April 1, May 1, June 1, 2003.

Protoypes and Custom Items: • 50% with order
• Balance C.O.D.

Returned Goods: • Must have an R.G.A.
• Freight must be prepaid
• Products without an R.G.A. will be refused
• A 25% restocking charge on new, unopened cartons
• All cut cable sales are final. Returns will not be accepted for any reason

Returned Checks: • A \$30.00 handling charge will apply

Lifetime Illuminator Warranty

Fiber Optic Technologies warrants its products excluding light bulbs, to be free from defects for one year from the date of original purchase. If a defect occurs within the first year, the product will be repaired or replaced at our option. This warranty covers normal consumer use and does not cover failure resulting from misuse, alteration, improper installation or maintenance. To file a warranty claim, an R.G.A. must first be obtained. The product must be shipped prepaid to our warranty/service location. After the first year a check for \$50.00 on all halogen illuminator series units or \$100.00 on all metal halide illuminator series units must accompany the unit for any service under warranty.

*Prices subject to change without notice

* All prices in U.S. dollars

FIBER OPTIC TECHNOLOGIES

WHAT IS FIBER OPTIC LIGHTING?



There are two types of lighting possible using fiber optic technology. One is side light, a neon type band of light composed of several individual strands housed in a clear P.V.C. jacket. Sidelight is used primarily to "frame" objects, such as swimming pools, spas, decks, signs or almost anything you can imagine.

The second application is endlight. Endlight uses the same individual strands of fiber, but it is usually housed in a solid, non see through jacket. We carry several fixtures that attach to the end of this cable. These fixtures may be illuminated by as little as one fiber or as many as 300. The application will determine which fixtures plus how many fiber strands will work best. Effects such as star ceilings, commercial signage, under water lighting, landscape fixtures, architectural illumination etc., are ideal candidates for endlight.

The key to a successful project is of course the illuminator or light engine. We manufacture a variety of models, all designed to maximize light output for each individual application.

WHERE SHOULD YOU USE FIBER OPTICS?

Anywhere a bold dramatic effect is called for. The color changability is unique to fiber optics, but the real benefits are as follows:

SAFE

- No electricity, heat, or ultraviolet light in the cable
- Ideal for use in and around water, precious artifacts, paintings, combustible surfaces, etc..

VERSATILE

- Multiple applications possible from one light source.

ECONOMICAL

- Operates on less than one to two amps.

USER FRIENDLY

- The cable is durable, UV protected plastic, so there is nothing to break or burn out. Virtually maintenance free.



FIBER OPTIC TECHNOLOGIES
Phone: 905-949-9499
Fax: 905-949-9599
2550 Goldenridge Road Unit 34
Mississauga, Ontario, Canada
www.fiberoptictchnologies.com



FIBER OPTIC ILLUMINATORS

The illuminator, or light source is the engine that drives the light through the cable. Most units are equipped with a color wheel. This allows the cable to change from pure white to up to eight different colors. If several illuminators are used, they may be synchronized to change color uniformly.

The units may also be outfitted with either a programmable dusk to dawn timer or a remote control.



X120



XX120



CL150



FTL100Q



**R1503
TIMER**



TL150



**R1522
REMOTE**

APPLICATION REFERENCE

MODEL	POOL	LANDSCAPE	PORTABLE SPA	ARCHITECTURAL	STAR CEILING	SIGNS
X120	----	----	YES	YES	YES	YES
XX120	----	----	YES	YES	YES	YES
FTL75	YES	YES	YES	YES	YES	YES
FTL100	YES	YES	YES	YES	YES	YES
CL150	YES	YES	----	YES	YES	YES
TL150	YES	YES	----	----	----	----

HALOGEN SERIES ILLUMINATORS

These illuminators are outdoor approved and are usually used in the swimming pool & landscape industry. They are designed to be mounted vertically on a fence or post. They come with a 6 foot nema cord and standard 5 color wheel in magenta, green, yellow, blue and white. The material is a powder coated galvalume steel painted inside and out. Model FTL75Q comes with a 75 watt quartz halogen lamp (average life 4000 hours). Model FTL100Q uses a 100 watt lamp (average life 1500hours).

HALOGEN SERIES ILLUMINATORS

MODEL	LAMP	FIBER CAPACITY	POWER	AMP DRAW	WARRANTY	LIST PRICE
FTL75Q	MR16-75W	350	120V/ 60HZ	0.9 STARTUP 0.7 RUNNING	LIFETIME	\$210.00
FTL100Q	MR16-100W	755	120V/ 60HZ	1.5 STARTUP 1.0 RUNNING	LIFETIME	\$329.00
OPTIONS						
220V	220-240V 50/60 HERTZ					\$50.00
R1503	RETROFIT PROGRAMMABLE 1-9HR. DUSK TO DAWN LIGHT SENSOR					\$50.00
R1522	FACTORY INSTALLED WIRELESS REMOTE					\$198.00



FTL75Q



FTL100Q

FTL75Q

A 75 WATT HALOGEN LIGHT SOURCE
OUTDOOR APPROVED AND USUALLY USED
IN THE POOL AND LANDSCAPE INDUSTRY
ITS PORT HAS A CAPACITY OF 225 FIBERS
(OPTIONAL 350)
DIMENSIONS: 9.5" x 5.75" x 4.75" APPROX.
WEIGHT: 3.0KG / 6.6LBS APPROX.

FTL100Q

A 100 WATT HALOGEN LIGHT SOURCE
OUTDOOR APPROVED AND USUALLY USED IN
THE POOL AND LANDSCAPE INDUSTRY
ITS PORT HAS A CAPACITY OF 755 FIBERS
DIMENSIONS: 9.5" x 5.75" x 4.75" APPROX.
WEIGHT: 3.0KG / 6.6LBS APPROX.

METAL HALIDE SERIES

MODELS TL150 & CL150

These 150 watt metal halide illuminators offer the ultimate in fiber optic lighting. They produce brighter light and more vivid color than any competitive model on the market. They are approved for wet or dry locations. They come standard with a 6 foot nema cord or may be ordered hard-wired. Each model features a patented diachroic lamp reflector with an aluminum heat sink. This special design eliminates ultra violet light, while reducing heat output, thus creating the brightest, longest lamp life possible in metal halide technology (10,000 hours average lamp life). Each unit has 755 strand fiber capacity. The TL150 is a tower style illuminator designed specifically for the pool and landscape industry. It features a sub-terrain base for easy mounting in gardens, shrubbery, etc..

The CL 150 may be surface or wall mounted and is primarily used in the commercial and architectural light industry.

MODEL	COLOUR WHEEL	LAMP	POWER	AMP DRAW	WARRANTY	LIST PRICE
TL150-W	WHITE ONLY	150W H.I.D.	120V/ 60HZ	3.0 AMPS STARTUP 1.8 AMPS RUNNING	LIFETIME	\$700.00
TL150-5	5 COLOUR	150W H.I.D.	120V/ 60HZ	3.0 AMPS STARTUP 1.8 AMPS RUNNING	LIFETIME	\$750.00
TL150-8	8 COLOUR	150W H.I.D.	120V/ 60HZ	3.0 AMPS STARTUP 1.8 AMPS RUNNING	LIFETIME	\$800.00
CL150-W	WHITE ONLY	150W H.I.D.	120V/ 60HZ	3.0 AMPS STARTUP 1.8 AMPS RUNNING	LIFETIME	\$800.00
CL150-5	5 COLOUR	150W H.I.D.	120V/ 60HZ	3.0 AMPS STARTUP 1.8 AMPS RUNNING	LIFETIME	\$850.00
CL150-8	8 COLOUR	150W H.I.D.	120V/ 60HZ	3.0 AMPS STARTUP 1.8 AMPS RUNNING	LIFETIME	\$900.00

OPTIONS

220V	220-240V 50/60 HERTZ	\$75.00
R1503	RETROFIT PROGRAMMABLE 1-9HR. DUSK TO DAWN LIGHT SENSOR	\$50.00
R1522	FACTORY INSTALLED WIRELESS REMOTE	\$198.00



COLOR WHEELS

5 Color: Magenta/Green/Blue/Yellow/White





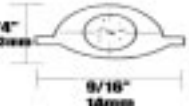
8 Color: Light Blue/Yellow/Dark Green/Orange/Purple/Pink/Light Green/White

FIBER OPTIC CABLE

Sidelight cable adds a dramatic “frame” to pools, spas, decks, docks, or almost any structure you may want to highlight. Our 0.75mm optical cable is bundled in either a clear (for sidelight) or solid color jacket (for endlight). Both jackets are U.V. stabilized for indoor/outdoor applications. A “C” in the part number indicates a clear jacket, therefore the cable may be used for side or endlight (Note: there is no loss of light at the end of the cable due to having a clear jacket). The “J” indicates solid jacket for use in endlight only. The fiber quantity is also in the part number. Example: FTC30=30 strands in a clear jacket. Because fiber optic cable has no heat or electricity, it is ideal around water (no waiting for electricians to ground pools,etc.) and around combustible materials.

Sidelight (or Perimeter) Cable

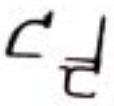



Perimeter cable works best when it is “looped” in and out of the light source. The maximum run length is approximately 200 ft. It is important to calculate the exact perimeter of the project, including the distance to and from the light source as once the cable is cut, it cannot be spliced. Always allow 18” extra at the light source. If the cable is being run underground it is wise to run it through a conduit for protection. All models are available by the foot or in a 500ft reel.

MODEL	DESCRIPTION	LIST PRICE
FTCT25 	<ul style="list-style-type: none"> · 25 strand cable with a 1” tail . Ideal for above ground pools, decks, docks and any application requiring a tail for installing. 	\$2.75 /ft.
FTC30 	<ul style="list-style-type: none"> · 30 strand cable. Used primarily in our inground and above ground pool retrofit program. Fits Cinderella, FT. Wayne coping. · Also ideal for framing decks, soffits, etc. Fits track TRK30. 	\$3.00 /ft.
FTCOV40 	<ul style="list-style-type: none"> · 40 strand 1/4” x 5/8” oval cable. Ideal for inground pools. Fits most pre-grooved coping systems. I.E. Pacific, Fox, MPS, Pleasureway, Rockcliffe, etc. · Also ideal for framing decks, soffits, etc. Fits track TRK40. 	\$3.90 /ft.
FTCOV75 	<ul style="list-style-type: none"> · 75 strand oval cable. Approximately twice as bright as 40 strand. Same applications as for 40 strand. · Fits track TRK40. 	\$6.80 /ft.
FTC25C 	<ul style="list-style-type: none"> · 25 strand cable made specifically to fit Cardinal coping systems. 	\$2.75/ft

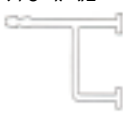


FIBER OPTIC TRACK FOR PERIMETER CABLE

We manufacture two types of mounting track. One is a rigid white PVC and the second is a flexible white rubber. The PVC is rigid but can be cut or notched to accommodate a slight radius.

MOUNTING TRACK FOR 30 STRAND CABLE

MODEL	DESCRIPTION	LIST PRICE*
	<ul style="list-style-type: none"> · A white two-piece PVC track that attaches to the inside bottom lip of the above ground pool top rail. · Accepts 30 strand cable. · Pack - 7.5 feet. 	\$1.30 /ft.
	<ul style="list-style-type: none"> · A white one-piece PVC track comes with tail. Tail can be snapped into any recess. Ideal for retrofitting an inground vinyl pool. Also acts as a liner lock. · Accepts 30 strand fiber. · Pack - 8 feet. 	\$0.50 /ft.
	<ul style="list-style-type: none"> · Similar profile as TRK30-TAIL but without the tail. This track is ideal for new concrete pool construction. 	\$0.50 /ft.
	<ul style="list-style-type: none"> · Flexible white rubber track, accepts 30 strand cable. · Ideal to retrofit fiberglass and concrete pools plus fiberglass walk in steps. 	\$0.50 /ft.
<p>FTTAPE</p>	<ul style="list-style-type: none"> · 150 ft roll of specially formulated double sided tape for temporary mounting of cable and track 	\$30.00

MOUNTING TRACK FOR 40 & 75 STRAND OVAL CABLE

MODEL	DESCRIPTION	LIST PRICE*
	<ul style="list-style-type: none"> · A white one-piece PVC track comes with tail. Tail can be snapped into any recess. Ideal for retrofitting an inground vinyl pool. · Accepts 40 or 75 strand oval cable. Also acts as a liner lock. · Pack - 8 feet. 	\$0.50 /ft.
	<ul style="list-style-type: none"> · Similar profile as TRK40-TAIL but without the tail. This track is ideal for new concrete pool construction · Accepts 40 & 75 strand oval cable · Pack - 4 feet. 	\$0.50 /ft.
	<ul style="list-style-type: none"> · Flexible white rubber track, accepts 40 & 75 strand cable. · Ideal to retrofit fiberglass and concrete pools plus fiberglass walk in steps. 	\$0.75 /ft.

END LIGHT CABLE

End light cable is ideal for underwater lighting of pools, spas, fountains, waterfalls, garden lights, pavers, light rods, architectural fixtures, signs, etc.. Anywhere conventional lighting is used, you can usually replace it with fiber optic endlights. The color changeability, of course, is unique to fiber optics. A rule of thumb with endlight cable is that the shorter the run, or the higher the strand count, the brighter the result.

MODEL	DESCRIPTION	LIST PRICE*
FTJ5	· 5 strand 3/16" / 4mm diameter cable. Ideal for pinpoint lighting of spas, signage, etc.	\$0.75 /ft.
FTJ10	· 10 strand 1/4" / 6mm diameter cable/ Ideal for garden lights, landscape, path lights, underwater lenses, etc.	\$1.10 /ft.
FTJ30	· 30 Strand 3/8" / 9.5mm - same application as FTJ10.	\$3.00 /ft.
FTJ75	· 75 strand 1/2" / 13mm diameter cable. Ideal for underwater lighting of pools and ponds, uplighting of trees, shrubbery, displays, task lighting & wall washing.	\$6.80 /ft.
FTJ150	· 150 strand 9/32" / 15.1mm diameter cable. Ideal for underwater lighting of pools and ponds, uplighting of trees, shrubbery, displays, task lighting & wall washing	\$13.00 /ft.
FTJ225	· 225 strand 5/8" / 15.9mm diameter cable. Same applications as FTJ150.	\$19.50 /ft.
FTJ300	· 300 strand 11/16" / 17.5mm diameter cable. Same applications as FTJ150/ FTJ225.	\$25.50 /ft.

FIBER OPTIC CABLE INSTALLATION GUIDE

Sidelight cable should be looped in and out of the light source.

·The maximum loop is approximately 200 feet depending upon the illuminator and cable count and application (maximum 50-75 feet for signage).

·Maximum endlight run is approximately 50 feet depending upon the illuminator and cable count and application.

·Cable run underground should be protected by a conduit.

·Always order an adequate length as fiber optic cable cannot be spliced.

·Always leave a couple of feet for a service loop for future additions.

SPOT LENS AND UNDERWATER LIGHTING (ENDLIGHT)

When lighting a surface, the surface finish is critical. Light colors reflect the light. Dark colors absorb it. Never try to light a black surface (such as black marble pools). On a very dark surface, pinpoint lighting (from the rear in signs etc.) or perimeter lighting to frame the object (such as a pool or sign) is all that is practical.

In pools, mount the lens 6" to 9" below the surface of the water. If installing only a single lens, then try and install it in the deep end if possible. Spa and bathtub lenses should be mounted in the foot well. Multiple lenses work best in mid to large applications. For example a 16' x 32' pool should have two lenses, located 10 feet from each end and a 20' x 40' pool would work best with 3 lenses each 10 feet apart. It is also advised, wherever possible, to direct the lights away from the house, patio etc..

FIBER CAPACITY

Our TL150 and CL150 each have a 755 strand fiber capacity (0.75 mm fiber). Therefore, a large pool could be equipped as follows:

3 lenses connected to FTJ225 endlight fiber = 675 strands
1 FTCOV40, 40 strand perimeter cable, looped = 80 strands
Total Fibers = 755 strands

ILLUMINATOR LOCATION

Whenever possible, place the light source as close to the application as possible. Always consult your local building codes as to distance allowed from pools, etc.. Keep in mind that the illuminator requires adequate ventilation and must be free from water immersion and debris obstruction.

TECHNICAL DESIGN

If you need assistance in designing your project, just fax a diagram to 905-949-9599. Show as much detail as possible such as size, surface finish, location of light source, etc. (a swimming pool worksheet is at the back of this catalogue).



ENDLIGHT FIXTURES

UNDERWATER GLASS LENS FOR POOLS, SPAS, PONDS, ETC.

Our under water lenses are ideal for pool, spa and pond illumination. Each lens is sealed to prevent algae or clouding. The fiber capacity is 300 strands for maximum brightness. The convex shape provides 40% more light transmission than conventional polycarbonate lens. Models are available for vinyl, gunite and fiberglass applications.

MODEL

LIST PRICE

FTCGLENS-V • Vinyl pool lens fixture
c/w gaskets/s.s.screws/lock ring.
Size is similar to Hayward SP1408
Return Fitting



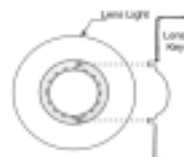
\$75.00

FTCGLENS-F/G • Gunite or Fiberglass fixture.
Fiberglass c/w gaskets/lock ring



\$75.00

FTLENS-KEY • Lens Key for above fixtures



\$10.00

FIBERLITE 1-4 • Slip Style Pinpoint Spa Lens
(Diamond Cut)
Accepts up to 4 individual fibers
Case -100.



\$1.15

FIBERLITE 1-30 • Threaded Hex Style Pinpoint Spa
Lens Accepts up to 30 individual
fibers. Case - 100.



\$2.50



FIBER OPTIC TECHNOLOGIES

2003 "MOODLIGHT" U.S. Price List

Pre-Assembled Underwater Lens Kits

Application: Pool / Spa / Pond Construction & Renovation



These factory pre-cut and polished kits are designed to provide underwater light for pools, spas, fountains etc.. Each kit consists of the fiber cut to length, polished and attached to our convex underwater lens. Please designate lens housing. V=Vinyl Pools, NV=Non-vinyl pool (gunite or fiberglass). Each fixture consists of our unique convex glass lens, o-ring, compression fitting, center device and either a vinyl liner housing or non-vinyl liner housing. The more fibers in the fixture, the brighter the result. The finished color of the pool is also very important, white is the best, black is the worst. Always allow an extra 18" for installation into the light box. Also the shorter the run and the more fixtures, the brighter the end result.

MODEL	DESCRIPTION	LIST PRICE*
ELK75-8	· 8 ft. of 75 strand cable comes with lens & housing	\$130.00
ELK75-10	· 10 ft. of 75 strand cable comes with lens & housing	\$140.00
ELK75-12	· 12 ft. of 75 strand cable comes with lens & housing	\$155.00
ELK150-8	· 8 ft. of 150 strand cable comes with lens & housing	\$180.00
ELK150-10	· 10 ft. of 150 strand cable comes with lens & housing	\$205.00
ELK150-12	· 12 ft. of 150 strand cable comes with lens & housing	\$230.00
ELK150-14	· 14 ft. of 150 strand cable comes with lens & housing	\$258.00
ELK225-8	· 8 ft. of 225 strand cable comes with lens & housing	\$230.00
ELK225-10	· 10 ft. of 225 strand cable comes with lens & housing	\$270.00
ELK225-12	· 12 ft. of 225 strand cable comes with lens & housing	\$310.00
ELK225-14	· 14 ft. of 225 strand cable comes with lens & housing	\$350.00
ELK225-16	· 16 ft. of 225 strand cable comes with lens & housing	\$390.00
ELK300-8	· 8 ft. of 300 strand cable comes with lens & housing	\$280.00
ELK300-10	· 10 ft. of 300 strand cable comes with lens & housing	\$330.00
ELK300-12	· 12 ft. of 300 strand cable comes with lens & housing	\$380.00
ELK300-14	· 14 ft. of 300 strand cable comes with lens & housing	\$430.00
ELK300-16	· 16 ft. of 300 strand cable comes with lens & housing	\$490.00
ELK300-18	· 18 ft. of 300 strand cable comes with lens & housing	\$540.00
ELK300-20	· 20 ft. of 300 strand cable comes with lens & housing	\$590.00




*custom lengths available upon request

FIBER OPTIC GARDEN & LANDSCAPE FIXTURES

Fiber Optic Technologies introduces a breakthrough in outdoor and architectural lighting. Unique, beautiful and maintenance free, fiber optic garden fixtures are exceptionally versatile and create an absolutely magical effect. Light a pathway, flower bed or deck. Highlight shrubbery, trees, waterfalls or even a house. Bring excitement to any backyard environment.



Garden Lights

Acrylic and PVC fixtures for illuminating pathways, flower beds, etc. 10 or 30 strand fiber recommended.



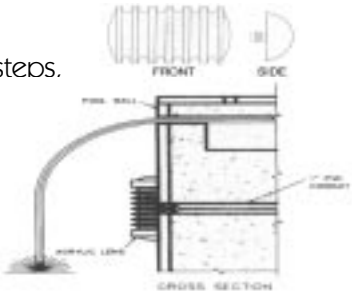
MODEL	DESCRIPTION		LIST PRICE*
GL100	· Domed garden light with spike base		\$6.00
GL105	· Tier garden light with spike base		\$15.00
GL110	· Globe garden light with spike base		\$15.00

Fiber Optic Spot (SL) Light

Ideal for flood or spot lighting trees, shrubs, plants etc.

SL200	<ul style="list-style-type: none"> · Flexible accent light c/w glass lens · 75 strand capacity · Architectural and landscape accent light 		\$ 40.00
SL205	<ul style="list-style-type: none"> · Black, flexible spot light comes with glass lens · 225 strand capacity · Architectural and landscaping spot lighting 		\$80.00

Fiber Optic Feature Lights

PL305	<ul style="list-style-type: none"> · Paver light (approx. 4"x 8") for interlock/concrete or asphalt driveways, walkways, and decks. · 30 strand fiber optic cable recommended 		\$32.00
LS320	<ul style="list-style-type: none"> · Acrylic wand set in concrete, interlock or wood decks, cut flush with the surface. 1/2" diameter · May also be used as path lights · 10 strand fiber optic cable recommended 		\$25.00
FL405	<ul style="list-style-type: none"> · Semi-circle bar acrylic feature light · Applications - decorative wall fixture, outline steps, under a waterfall · 75 strand capacity 	 <p>The diagram shows a semi-circle bar acrylic feature light. It includes a 'FRONT' view showing the light bar, a 'SIDE' view showing the bar's profile, and a 'CROSS SECTION' view showing the bar embedded in a concrete wall. Labels include 'FRONT', 'SIDE', 'CONCRETE WALL', 'ACRYLIC BAR', and 'FIBER OPTIC CABLE'.</p>	\$60.00

Tropical Falls

A New Generation of Water Features

A Pool Builders Dream!

Easy installation features include:

Forming Template for easy installation

***1-1/2" PVC slip fitting**

Leveling device to insure a level water fall every time

Temporary support brace and protective cover to prevent collapsing and keeps spillway clean of debris

Special Features:

Spillway opening is increased by 50% to reduce water brake up, due to winds

Internal Baffle System to create a uniform sheet of water

Optional: Fiber Optic Light Kit factory Installed

- **5 Year Warranty**
- **See Price Sheet for more information**

***Water Falls under 18" use 1" slip inlet**
***See Limited Warranty**

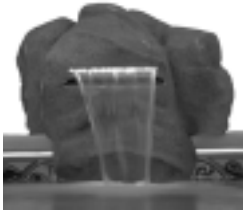


New Ark Falls, up to 4' wide
Concave, & Convex Falls
Low Flow Water Fall Systems
Custom Built Falls to fit your Design



Available Colors
Black **White** **Gray**

For more information or technical support please call: 905-949-9499
fax: 905-949-9599
email: fiberoptec@yahoo.com



TROPICAL FALLS

A NEW GENERATION OF WATER FEATURES



ALL FIBER OPTIC WATERFALLS ARE CUSTOM BUILT

FEATURES INCLUDE: 6" EXTENDED LEDGE, FREE FLOW/ OPENING 3/16" (WATER DROPS 1/16") HOLES SPACED 1" FOR RAINDROP EFFECTS.

AVAILABLE IN WHITE, GREY OR BLACK

PART #	DESCRIPTION LIGHTED FALLS	WIDTH	# OF SLIP INLETS & SIZE	LIST PRICE w/15' FIBER CABLE	LIST PRICE w/25' FIBER CABLE	LIST PRICE w/40' FIBER CABLE
06012L	FREE FLOW	12"	1-1"	\$650.00	\$675.00	\$700.00
06018L	FREE FLOW	18"	1 1-1/2"	\$675.00	\$730.00	\$810.00
06024L	FREE FLOW	24"	1 1-1/2"	\$735.00	\$790.00	\$875.00
06036L	FREE FLOW	36"	1 1-1/2"	\$920.00	\$1025.00	\$1190.00
06048L	FREE FLOW	48"	2 1-1/2"	\$1120.00	\$1225.00	\$1395.00
PART #	DESCRIPTION LIGHTED FALLS	WIDTH	# OF SLIP INLETS & SIZE	LIST PRICE w/15' FIBER CABLE	LIST PRICE w/25' FIBER CABLE	LIST PRICE w/40' FIBER CABLE
06012LD	WATER DROPS	12"	1-1"	\$650.00	\$675.00	\$700.00
060187D	WATER DROPS	18"	1 1-1/2"	\$675.00	\$730.00	\$810.00
06024LD	WATER DROPS	24"	1 1-1/2"	\$735.00	\$790.00	\$875.00
06036LD	WATER DROPS	36"	1 1-1/2"	\$920.00	\$1025.00	\$1190.00
06048LD	WATER DROPS	48"	2 1-1/2"	\$1120.00	\$1225.00	\$1395.00

FEATURES INCLUDE: 9" EXTENDED LEDGE, FREE FLOW/ OPENING 3/16" (WATER DROPS 1/16") HOLES SPACED 1" FOR RAINDROP EFFECTS.

AVAILABLE IN WHITE, GREY OR BLACK

PART #	DESCRIPTION LIGHTED FALLS	WIDTH	# OF SLIP INLETS & SIZE	LIST PRICE w/15' FIBER CABLE	LIST PRICE w/25' FIBER CABLE	LIST PRICE w/40' FIBER CABLE
09012L	FREE FLOW	12"	1-1"	\$685.00	\$705.00	\$740.00
09018L	FREE FLOW	18"	1 1-1/2"	\$705.00	\$760.00	\$845.00
09024L	FREE FLOW	24"	1 1-1/2"	\$765.00	\$820.00	\$900.00
09036L	FREE FLOW	36"	1 1-1/2"	\$965.00	\$1075.00	\$1235.00
09048L	FREE FLOW	48"	2 1-1/2"	\$1165.00	\$1275.00	\$1450.00
PART #	DESCRIPTION LIGHTED FALLS	WIDTH	# OF SLIP INLETS & SIZE	LIST PRICE w/15' FIBER CABLE	LIST PRICE w/25' FIBER CABLE	LIST PRICE w/40' FIBER CABLE
09012LD	WATER DROPS	12"	1-1"	\$685.00	\$705.00	\$740.00
090187D	WATER DROPS	18"	1 1-1/2"	\$705.00	\$760.00	\$845.00
09024LD	WATER DROPS	24"	1 1-1/2"	\$765.00	\$820.00	\$900.00
09036LD	WATER DROPS	36"	1 1-1/2"	\$965.00	\$1075.00	\$1235.00
09048LD	WATER DROPS	48"	2 1-1/2"	\$1165.00	\$1275.00	\$1450.00

* FOR GREY, ADD G TO PART# . FOR BLACK ADD B TO PART# . NO RADIUS CUTS WITH FIBER OPTIC LIGHTING KIT.

Tropical Falls

A New Generation of Water Features

Price List for Standard Falls and Ark Falls (Non Fiber Optic)

**Features Include: 1 1/2" extended ledge Water Flow Opening 3/16", Available in White, Gray or Black*
(Optional Ark Falls Available up to 4' wide, add \$15.00 per foot to net price, Add an "A" after Part #)**








Part #	Description ABS	Width	# of Slip Inlets & Size	Shipping Weight in Lbs.	Case Quantity	LIST PRICE
015006	Free Flow	6"	1-1"	2.25	1	\$250.00
015009	Free Flow	9"	1-1"	3.00	1	\$260.00
015012	Free Flow	12"	1-1"	3.15	1	\$269.00
015018	Free Flow	18"	1 1-1/2"	5.00	1	\$300.00
015024	Free Flow	24"	1 1-1/2"	6.25	1	\$335.00
015036	Free Flow	36"	1 1-1/2"	9.50	1	\$425.00
015048	Free Flow	48"	2 1-1/2"	13.50	1	\$550.00
015060	Free Flow	60"	2 1-1/2"	15.25	1	\$785.00
015072	Free Flow	72"	3 1-1/2"	18.75	1	\$875.00
015084	Free Flow	84"	3 1-1/2"	22.00	1	\$975.00
015096	Free Flow	96"	3 1-1/2"	25.00	1	\$1045.00

**Features Include: 6" extended ledge Water Flow Opening 3/16", Available in White, Gray or Black*
(Optional Ark Falls Available up to 4' wide, add \$15.00 per foot to net price, Add an "A" after Part #)**

Part #	Description ABS	Width	# of Slip Inlets & Size	Shipping Weight in Lbs.	Case Quantity	LIST PRICE
060006	Free Flow	6"	1-1"	2.75	1	\$260.00
060009	Free Flow	9"	1-1"	3.15	1	\$265.00
060012	Free Flow	12"	1-1"	3.50	1	\$270.00
060018	Free Flow	18"	1 1-1/2"	5.20	1	\$310.00
060024	Free Flow	24"	1 1-1/2"	7.00	1	\$335.00
060036	Free Flow	36"	1 1-1/2"	10.35	1	\$455.00
060048	Free Flow	48"	2 1-1/2"	13.80	1	\$585.00
060060	Free Flow	60"	2 1-1/2"	17.25	1	\$840.00
060072	Free Flow	72"	3 1-1/2"	20.75	1	\$930.00
060084	Free Flow	84"	3 1-1/2"	24.20	1	\$1040.00
060096	Free Flow	96"	3 1-1/2"	27.60	1	\$1075.00

*For Gray, add G to Part# for Black add B to Part # Radius Cuts on 6" and larger Extended Ledge, add 15% to Net Price
Drawings and or Templates required for radius cuts.
50% Deposit Required with Order on Custom Cuts.
FOB Factory, Prices Subject to Change Without Notice

PARTS AND ACCESSORIES

MODEL	DESCRIPTION		LIST PRICE
FTEHK	Electric Hot Knife		\$50.00
FTBHK	Upright Butane Hot Knife (Ideal for contractors)		\$160.00
FTCPR	Coupler allows joining endlight cable for light sticks, pavers etc		\$60.00
FPC9	Fiber port connector - 75 strand capacity		\$5.00
FPC16	Fiber port connector - 250 strand capacity		\$6.00
FPC21	Fiber port connector - 350 strand capacity		\$8.00
FPC75	Fiber port connector - 755 strand capacity (for illuminator models TL150/CL150/ FTL100/X SERIES)		\$40.00
FTHIT-150W	150Watt Metal Halide light bulb For model FTL150MHC illuminator (old style prior to 2001)		\$140.00
FTOF-150W	150Watt Metal Halide light bulb c/w aluminum heat sink (for models TL150 & CL150)		\$260.00
FTMR-16-75	12V, 75Watt light bulb (for models FTL75Q & X Series)		\$15.00
FTMR-16-100	12V, 100Watt light bulb (for model FTL100Q & X Series)		\$50.00

FIBER OPTIC READY COPINGS FOR PERIMETER CABLE

FIBER OPTIC TECHNOLOGIES FTC30, 30 STRAND ROUND CABLE WILL FIT THE FOLLOWING PROFILES:

VINYL LINER POOLS

MANUFACTURER	PART NUMBERS
FT WAYNE	ACCENT FLAT TRACK/ACCENT & ENDLIGHT COPING
CINDERELLA	CP-7 / VM-7 / HM-7
STEGMEIER	18CF152 / 8CF152
MORTEX	FGRKLR / FKLARFOF / FLLARFOK / FKLARFOP
MODERN POOL	FORT-LT

GUNITE POOLS

MANUFACTURER	PART NUMBERS
STEGMEIR	77SV112 / 117SV112/ 7REN6S - 3 FOR 6
MORTEX	FGRNFR / FXTAC
MODERN POOL	FOR

FIBER OPTIC TECHNOLOGIES FTCOV40 & FTCOV75 STRAND OVAL CABLE WILL FIT THE FOLLOWING PROFILES:

VINYL LINER POOLS

MANUFACTURER	PART NUMBERS
KAFKO	05-0025-4 / 05-7700-7
PLEASURE WAY	FIBER OPTIC
ROCKCLIFFE	DT FIBER OPTIC
STEGMEIER	8CF112 / 18CF112
MORTEX	FGRKLF / FKLAFFOF / FKLAFFOK / FKLAFFOP

GUNITE POOLS

MANUFACTURER	PART NUMBERS
STEGMEIER	7FS112 / 17FS117 7REN4F - 3 FOR 2
MORTEX	FGRNF / FXTAC

FTC25C - WILL FIT CARDINAL COPING ONLY
CARDINAL ---- CL/CLC/CT SERIES



CINDERELLA
FITS FTC30 CABLE



FT WAYNE
FITS FTC30 CABLE



KAFKO, ROCKCLIFFE, PLEASUREWAY
FITS FTCOV 40 & 75



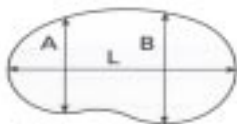
CARDINAL
FITS FTC25C

FIBER OPTIC LIGHTING LAYOUT AND DESIGN

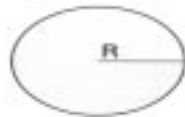
PERIMETER (SIDELIGHT) LIGHTING

It is essential that the correct length of cable is ordered. You must come out of the light source, go around the perimeter of the application (eg. a swimming pool) and back into the illuminator. Always allow an extra 24" for a "service loop" at the light source. Remember, if you order too little, you cannot add or splice the cable. The maximum perimeter is approximately 200 ft. The model of perimeter cable will depend on the coping or track system used. Industry fiber optic ready copings are listed near the back of this publication.

For swimming pools, use the following formula:



$$P = A + B + 2L$$



$$P = 2 \times 3.14 \times R$$



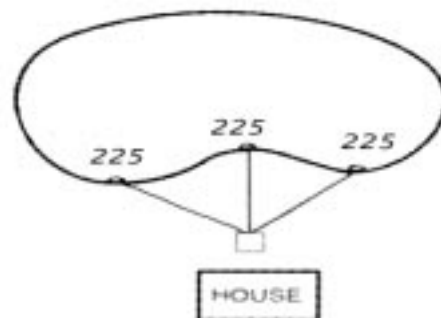
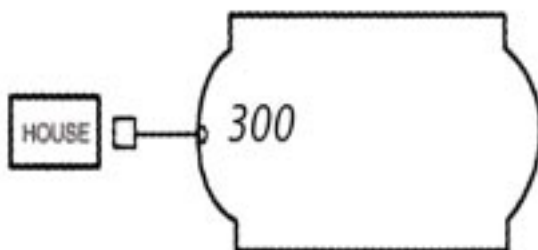
$$P = 2L + 2W$$

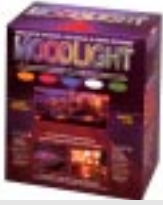
Remember, perimeter lighting will not light up an object (such as a pool underwater). It will however create a very attractive "Moodlight" frame. Plus a reflection all around the pools surface.

ENDLIGHT (UNDERWATER) LIGHTING

General Guidelines for pools & spas:

1. Light surfaces reflect the light (white is best, black is not recommended).
2. The smaller the pool, the less lens fixtures needed. (ie 12' x 24' pool needs 1 lens, 16' x 32' pool needs 2 lenses, 20' x 40' pool needs 3 lenses).
3. Maximize the quantity of fibers in each lens wherever possible.
4. Lens should be facing away from primary viewing wherever possible.
5. 75 strands in a lens are ideal for inwall steps and spas.
6. Lens should be installed 6"–9" below the water line.
7. Mount the lens flush with the pool sidewall in gunite pools. A recess may cause shadowing.
8. Space lenses as evenly throughout the pool as possible.
9. Install the illuminator as close to the pool as possible, usually 10 feet from pool (5 feet if a barrier exists). Check your local codes.
10. Be sure to allow for a service loop (2ft) when estimating the cable length.
11. Count the number of strands per job. Maximum available per illuminator is 755 (Model TL150) If you exceed 755 then you need a second light source.





FIBER OPTIC TECHNOLOGIES

2003 "MOODLIGHT" U.S. Price List

Above Ground Pool Fiber Optic Lighting Kits



Features

- Packaged in an attractive 4 color box
- 75 watt, 5 color illuminator (4,000 hr lamp)
- On/Off power & color wheel control
- Simple D.I.Y installation by the pool owner

- Custom kits available upon request on all kits



· These packaged kits are an ideal add-on to the above ground pool sale. By "framing" the pool with a beautiful, colorful line of light, it elevates the perceived value of the above ground pool.

Standard Above-Ground Pool Kits

- Includes 25 strand fiber optic cable attached to the inside top rail via a specially formulated 2-sided tape. The light box is hung from a pool upright.

MODEL	DESCRIPTION	LIST PRICE*
PLK15-18	60' cable for 15' & 18' round pools	\$299.00
PLK21-24	80' cable for 21' & 24' round pools 12'x 24', 16'x 24', 15'x 30' oval pools	\$349.00
PLK27-30	100' cable for 27' & 30' round pools 18'x 35' oval pools	\$399.00

Deluxe Above-Ground Pool Kits

- Includes 30 strand fiber optic cable attached to the inside top rail via a two-piece track.
- Deluxe kits are approximately 50% brighter than standard kits (due to increased strand count plus track reflection)

PLK15-18D	60' cable for 15' & 18' round pools	\$349.00
PLK21-24D	80' cable for 21' & 24' round pools 12'x 24', 16'x 24', 15'x 30' oval pools	\$399.00
PLK27-30D	100' cable for 27' & 30' round pools 18'x 35' oval pools	\$499.00

Options

R1503	· Retrofit programmable 1-9 hour dusk to dawn light sensor	\$50.00
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FIBER OPTIC TECHNOLOGIES

2003 "MOODLIGHT" U.S. Price List

Standard Inground Pool Fiber Optic Lighting Kits

Features:

- Packaged in an attractive 4 color box
- 75 watt, 5 color illuminator (4,000 hr lamp)
- On/Off power & color wheel control
- Simple D.I.Y installation by the pool owner
- Custom kits available upon request on all kits



· Includes 30 strand fiber optic cable (3/8" diameter) attached to the pool via a PVC (liner lock) track. The track is snapped into the pool coping over the liner bead. A flexible, white rubber track is also supplied for installation onto a walk-in step. The rubber track is attached to the step via a specially formulated two-sided tape. Each kit includes a 6 ft. over-the-deck track to protect the cable. The kit has sufficient cable to install the light box approximately 10 feet from the pool.

· All kits are available for non-vinyl pools such as gunite and fiberglass. Just designate the order Non-Vinyl (NV). Instead of the PVC track, a flexible, rubber track is supplied. The track is attached to the pool wall above the tile line via a specially formulated two-sided tape. A bead of silicone must then be applied to the top & bottom of the track (silicone not supplied).

· For ordering V- designates Vinyl Pools, NV – designates gunite or fiberglass pools.

MODEL	DESCRIPTION	LIST PRICE*
PLK12-24V	100' cable kit for vinyl pools up to 80 ft in circumference	\$499.00
PLK14-28V	110' cable kit for vinyl pools up to 90 ft in circumference	\$529.00
PLK16-32V	125' cable kit for vinyl pools up to 105 ft in circumference	\$559.00
PLK18-36V	135' cable kit for vinyl pools up to 115 ft in circumference	\$599.00
PLK20-40V	150' cable kit for vinyl pools up to 130 ft in circumference	\$659.00



Options

R1503	Retrofit programmable 1-9 hour dusk to dawn light sensor	\$50.00
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FIBER OPTIC TECHNOLOGIES

2003 "MOODLIGHT" U.S. Price List

Deluxe Inground Pool Fiber Optic Lighting Kits

Features

- Packaged in an attractive 4 color box
- 75 watt, 5 color illuminator (4,000 hr lamp)
- On/Off power & color wheel control
- Simple D.I.Y. installation by the pool owner
- Custom kits available upon request on all kits



*Deluxe kits are approximately 50% brighter than standard kits.

· Includes 40 strand fiber optic cable (5/8" x 1/4" oval) attached to the pool via a PVC (liner lock) track. The track is snapped into the pool coping over the liner bead. A flexible, white rubber track is also supplied for installation onto a walk-in step. The rubber track is attached to the step via a specially formulated two-sided tape. Each kit includes a 6 ft. over-the-deck track to protect the cable. The kit has sufficient cable to install the light box approximately 10 feet from the pool.

· All kits are available for non-vinyl pools such as gunite and fiberglass. Just designate the order Non-Vinyl (NV). Instead of the PVC track, a flexible, rubber track is supplied. The track is attached to the pool wall above the tile line via a specially formulated two-sided tape. A bead of silicone must then be applied to the top & bottom of the track (silicone not supplied).

· For ordering V- designates Vinyl Pools, NV – designates gunite or fiberglass pools.

MODEL	DESCRIPTION	LIST PRICE*
PLK12-24VD	100' cable kit for vinyl pools up to 80 ft in circumference	\$649.00
PLK14-28VD	110' cable kit for vinyl pools up to 90 ft in circumference	\$699.00
PLK16-32VD	125' cable kit for vinyl pools up to 105 ft in circumference	\$749.00
PLK18-36VD	135' cable kit for vinyl pools up to 115 ft in circumference	\$799.00
PLK20-40VD	150' cable kit for vinyl pools up to 130 ft in circumference	\$849.00

Options

R1503	Retrofit programmable 1-9 hour dusk to dawn light sensor	\$50.00
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FIBER OPTIC TECHNOLOGIES

2003 "MOODLIGHT" U.S. Price List

Deck/Dock/House Fiber Optic Lighting Kits

Features:

- Packaged in an attractive 4 color box
- 75 watt, 5 color illuminator (4,000 hr lamp)
- On/Off power & color wheel control
- Simple D.I.Y installation by the home owner
- Custom kits available upon request on all kits
- These pre-packaged kits can beautify any deck, patio or even a boat dock. The fiber optic light cable is an excellent alternative to rope or holiday lighting to outline a home. With no heat, electricity or bulbs to burn out, it can be a safe beautiful addition.



Standard Kits

- Includes 25 strand fiber optic cable attached to the surface via a 1" tail on the cable. The tail is stapled, screwed or nailed to the surface.

MODEL	DESCRIPTION	LIST PRICE*
PLK50	50' of fiber optic cable	\$299.00
PLK75	75' of fiber optic cable	\$349.00
PLK100	100' of fiber optic cable	\$399.00
PLK125	125' of fiber optic cable	\$449.00
PLK150	150' of fiber optic cable	\$499.00

Deluxe Kits

- Includes 30 strand fiber optic cable attached to the surface via a white track. Deluxe kits are approximately 50% brighter than standard kits.

PLK50D	50' of fiber optic cable and track	\$399.00
PLK75D	75' of fiber optic cable and track	\$449.00
PLK100D	100' of fiber optic cable and track	\$499.00
PLK125D	125' of fiber optic cable and track	\$549.00
PLK150D	150' of fiber optic cable and track	\$599.00

Options

R1503	Retrofit programmable 1-9 hour dusk to dawn light sensor	\$50.00
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FIBER OPTIC TECHNOLOGIES
2003 "MOODLIGHT" U.S. Price List
Spa/Hot Tub Fiber Optic Lighting Kits

Features

- Packaged in an attractive 4 color box
- 75 watt, 5 color illuminator (4,000 hr lamp)
- On/Off power & color wheel control
- Simple D.I.Y installation by the spa owner
- Will fit spas up to 8 feet square



*Custom kits available upon request.

· These kits are an easy add on to any spa sale. The fiber "frames" the spa just below the cabinets top rail. The light source is hung from the cabinet and plugged into a 110V GFCI outlet. The beauty of fiber optics is always visible, even with the cover on.

Economy Kits

MODEL	DESCRIPTION	LIST PRICE*
PLKSPA-E	· 35 ft of 25 strand fiber optic cable. · Attaches under the lip of the cabinet via staples or screws	\$249.00

Standard Kits

PLKSPA-S	· 35 ft of 30 strand fiber optic cable. · Attaches to the cabinet via a white track	\$299.00
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Deluxe Kits

PLKSPA-D	· 35 ft of 40 strand oval fiber optic cable. · Attaches to the cabinet via a white track	\$349.00
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Options

R1503	· Retrofit programmable 1-9 hour dusk to dawn light sensor	\$50.00
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FIBER OPTIC TECHNOLOGIES

2003 "MOODLIGHT" U.S. Price List

Landscape Fiber Optic Garden Kits



Features:

- Packaged in an attractive 4 color box · 75 watt, 5 color illuminator (4,000 hr lamp)
- On/Off power & color wheel control · Simple D.I.Y installation by the home owner

- Custom kits available upon request.

- This garden light kit is an excellent alternative to low voltage lighting with only one light bulb to change (4,000 hours) plus the color changeability feature, it makes a very safe, practical and beautiful addition to any landscape plan. A length of fiber optic cable is run from the light source to each individual garden fixture. Extra fixtures (to a maximum of 25) can be added at any time.

MODEL

DESCRIPTION

LIST PRICE*

LSK-6

- includes 150 ft of 10 strand fiber optic cable.
- a quantity of 6 of the GL100 model domed garden light

\$249.00

GL100

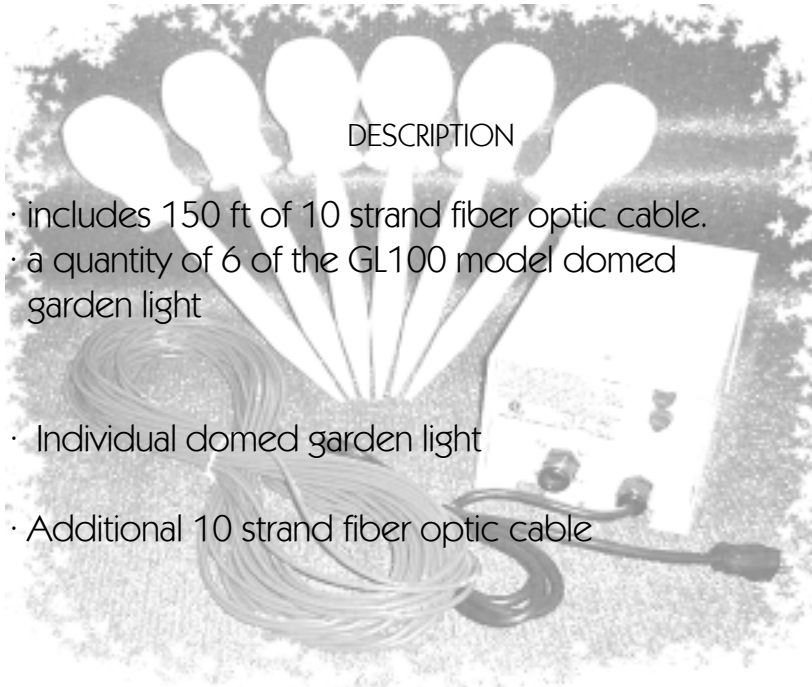
- Individual domed garden light

\$6.00 /ea.

FTJ10

- Additional 10 strand fiber optic cable

\$1.10 /ft.



Options

R1503

- Retrofit programmable 1-9 hour dusk to dawn light sensor

\$50.00



PROMOTIONAL MATERIAL

BROCHURE: 3 1/2" x 6 1/2" Full color envelope stuffer.
Ideal for mail outs

POSTER: Full color poster displaying pools, spas,
garden lights etc.

P.O.P.: Operational P.O.P. showing pools, spas, decks
etc. Ideal for counter-top display or in house
sales presentations

