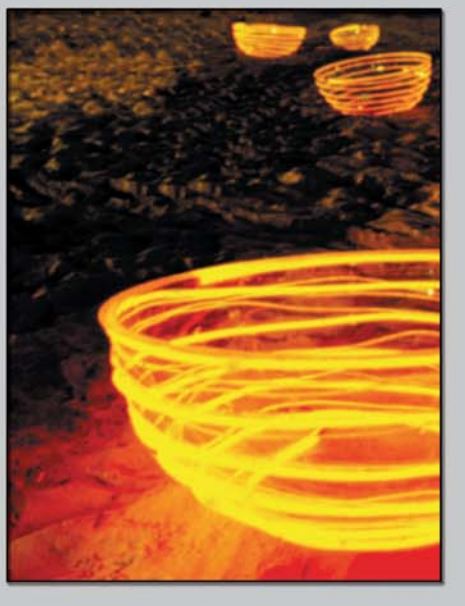
8210 PRESIDENTS DRIVE • ORLANDO, FLORIDA 32809• SVISION.COM

SUPER | VISION
INTERNATIONAL



FIBER OPTIC & LED LIGHTING

Through innovative concepts in our lighting products, Super Vision® International has made light a product that has no boundaries. Our clients use our fiber optic and led lighting systems to promote, sell, and express.

As one of the world's leading manufacturers of led and fiber optic lighting systems, Super Vision's® goal is to provide quality products that create an effect that you and your clients envision.

Using light, color and imagination, the possibilities are endless.

In this catalog we invite you to understand our products in detail, see their applications and effects, and picture what our lighting systems can do for you.

Enjoy.

LIGHT
COLOR
IMAGINATION

Introduction

Lighting Basics 1
Fiber Optic Fundamentals 2

1

3

Fiber Optic Cables

SideGlow®.....5
Ultra SideGlow® 9
EndGlow® 13
Endpoint Fibers 17
P-Clips & Tracks.....21

Illuminators

SV750 25
StarPro 26
SV1500 27
FiberPro.....28
Eclipse II 29
SV150T 30
SV300C 31
SV600C 32
DMX.....33
Connectors/Fiberheads 34
Glass Color Wheels 35
Lexan Color Wheels 36

23

37

Fixtures

SL500 Series 39
FD700 Series 40
EB900 Series 41
SS400 Series 42
Swarovski Crystal Lights 43
Underwater Fixtures 45
Specialty Fixtures 46
Pathlights 47
A200 Series 49
Paver Lights.....50
Light Sticks 50
Light Bars 51
Fiber Optic Curtain 52

Tools & Accessories

Cutters, Drills, Epoxy & Rollers 55
Hot Knives 56

LEDs

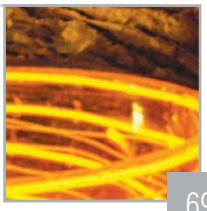
Flex-LED.....59
Light Bars.....60
Border Light 61
LED Flood Light 62
LED A-Lamp 63

Step Lighting

FL102.201.301 67
EVLFL-LED Flood Light Bars 68

GALLERY

Featured Artist.....71



Light Basics

Light – The pert spectrum of electro magnetic radiation that the human eye perceives as brightness. This area of radiation is between 360 and 830nm (nanometers). This is only a small fraction of the electromagnetic radiation spectrum.

Luminous Flux – A unit of measure: lumen [lm]. All of the radiated power emmited by a light source and perceived by the human eye.

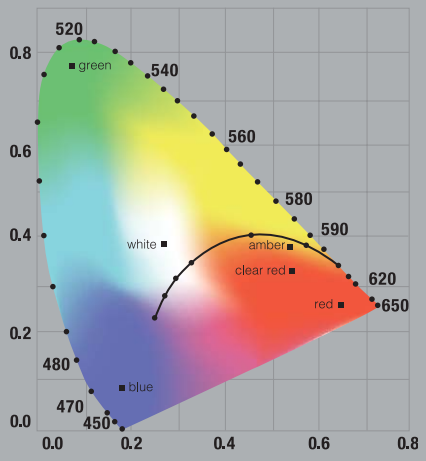
Luminous Intensity – Luminous intensity is a unit measure of the luminous flux in a solid angle.

Luminous Efficiency – Unit of measure: Lumens per watt [lm/W]. indicates the efficiency with which the power consumed is converted to light.

Light Color – The light color of a lamp can be defined in terms of color temperature:

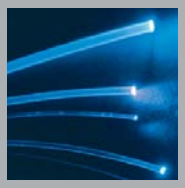
Warm: Less than 3300 K
Intermediate: 3300 to 5000 K
Daylight: Greater than 5000 K

Color Rendering - Lamps may have the same color temperature but different renderings properties due to the spectral composition of their light. Certain colors of the spectrum are transmitted and appear to the human eye to be brighter than others; e.g., yellow appears much brighter than red to most of us.



Color Temperature – Unit of measure – Kelvin [K] The color temperature of a light source in comparison with a "black body radiator" and plotted on a "Planckian Curve". The higher the color temperature the greater the blue component in the spectrum and the smaller the red component. Daylight bulbs have a color temperature of 6000 K where a warm light would have a color temperature of 2700 K.

Fiber Optic Lighting Basic Terms



SideGlow® – trade marked term for Super Vision® side emmiting fiber optic cable.

EndGlow® – trade marked term for Super Vision® end-emmiting fiber optic cable.

EndPoint – a term for fiber optics in single strand.

Illuminator – the unit that houses the lamp that illuminates the fiber optic.

Color Wheel - A dichroic glass or plastic filter inside the illuminator for color changing effects. It is connected to a motor that turns the wheel.

Fiber-Head – The device that holds the fibers in position at the illuminator.

Fiber Port – The connection point on the illuminator for the fiber-head.

Loop – Refers to the configuration of SideGlow® cable where both ends of the cable terminate into an illuminator. This way light is projected from both ends for maximum brightness

Dead-End Run – Refers to a layout for SideGlow® cable where only one end terminates an illuminator. Only recommended for SideGlow® cable runs under 30 feet or 10 meters.

Light Outlet – the termination fixture at the opposite end of the fiberhead.

Hot Knife – A tool used to cut the fiber at the fiberhead and light outlets. The heat from the knife produces a smooth surface across the ends of the fiber as well as the proper angle of acceptance for the light to enter or exit the fiber.

LED Facts

LED – (Light Emmiting Diode) A Light Emitting Diode is a semiconducting device that emits light when an electric current runs through it. It uses significantly less power, releases less heat, and lasts much longer than incandescent light bulbs.

Diode - Diodes only let current (electricity) to flow in one direction and not the other. LEDs are diodes too, but they are producing light when electricity flows through them.

LEDs are illuminated solely by the movement of electrons in a semiconductor material, and they last just as long as a standard transistor.

LEDs are made with two different kinds of semiconductor material. One type that has too many free electrons roaming around inside, and another that doesn't have enough. When an electron from one material gets pushed across a thin barrier and gets into tiny spaces in the other a photon or particle of light is produced.

LED Color:
The color of light depends on a number of factors, including the type of material they make the LED with and the material's quantum bandgap.

Bandgap – is how much energy each electron needs in order to cross the barrier.

Small Bandgap – where fairly weak electrons can cross gives you infrared or red light, while a larger bandgap that needs really strong electrons gives you light that has a blue or violet color to it.

FIBER OPTIC LIGHTING SYSTEMS OFFER UNIQUE DESIGN FLEXIBILITY. THE SAFETY ASPECT OF NO HEAT OR ELECTRICITY IN THE LIT CABLE PROVIDES DESIGN AND INSTALLATION OPPORTUNITIES NOT AVAILABLE WITH TRADITIONAL LIGHTING. IN MANY CASES, VERY SMALL FIXTURES CAN BE INSTALLED IN AREAS NOT ACCESSIBLE BY STANDARD LIGHTING FIXTURES. SUPER VISION®'S CABLES CAN BE INSTALLED INDOORS, OUTDOORS,UNDERWATER OR IN CONCRETE, AND DECORATIVE FIXTURES ADD A CREATIVE FLAIR TO THE VERSATILITY OF FIBER OPTIC LIGHTING.

A) Linear Runs: When a run of cable requires more than one illuminator, space the illuminators evenly to assure an evenly lit run.

B) Source Isolation: A term used to describe the illuminator when it is hidden or mounted away from the lighted path of the fiber optics, as behind a wall. The remote mounting of a illuminator can reduce noise pollution from the fan and/or stepper motor option, it also allows for ventilation of the power source.

C) Ambient Light: Always take note of existing or potential ambient light that may fall on the visible run of the fiber optics. As ambient light tends to "wash out" colors, use white light in high ambient light conditions.

D) Bend Radius: A 1 1/2" bend radius will allow for even color intensity. A tighter radius may cause a bright spot. Multiple tight bends may cause a dim linear run.

E) Fiber Head Capacity: The fiberhead holds the fibers in position at the illuminator. The maximum number of individual strands varies depending on the illuminator and fiber size. SideGlow® fiber is available with 42, 84 or 126 strands, and in most cases both ends of the fiber cable will need to terminate at the illuminator. Reducers inserted into the back of the fiber head will hold the fibers if a smaller number of fibers than the minimum allowed are used.

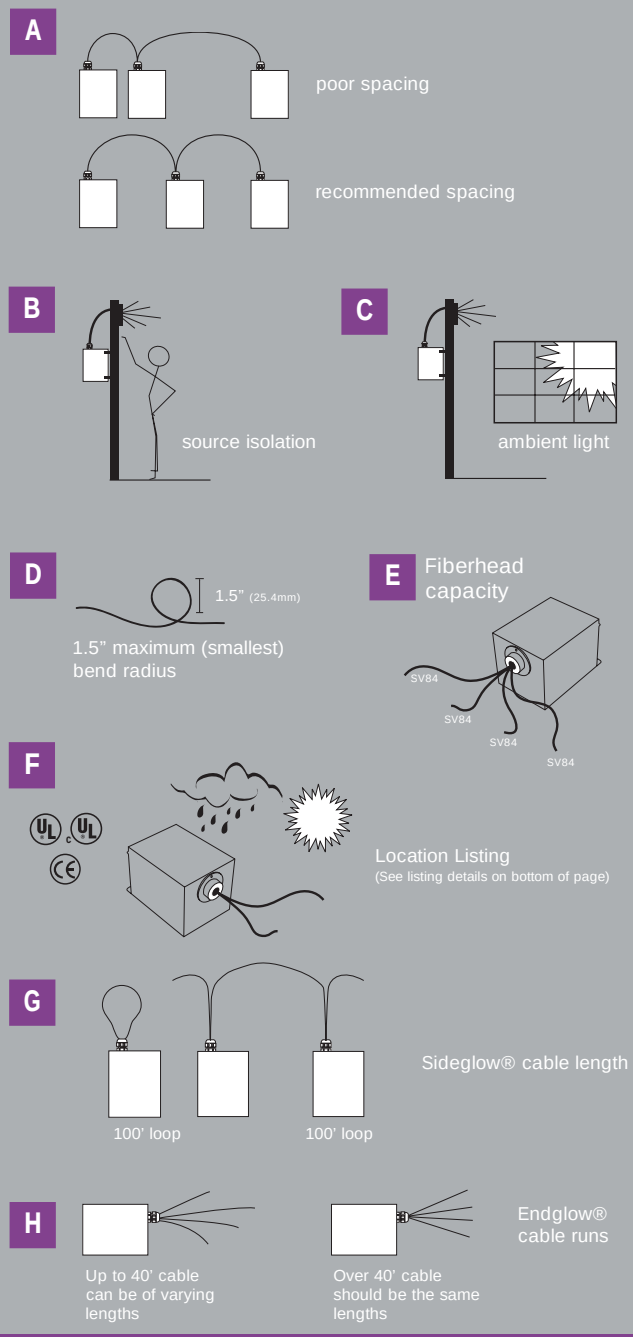
F) Location Listing: Super Vision®'s illuminators are all UL, cUL and CE listed for dry and wet locations. The fiber optic cable may be used either indoors or outdoors and is UV protected, as well as algaecide and fungicide treated.

G) SideGlow® Cable Length: SideGlow® cable's maximum recommended length is 100 feet (30 meters), with both ends terminating at an illuminator.

H) EndGlow® Runs: EndGlow® runs can stretch as far as 100 feet (30 meters). For distances over 40 feet (12 meters), multiple fixtures should be used with the same cable length to maintain a consistent light output.

INSTALLATION

1. Dimensions are critical. Length cannot be added once the cable is cut.
2. Make sure there is adequate ventilation for the illuminator. Check local building codes, and the specifications for each illuminator.
3. Light colored surfaces are desirable for mounting the cable. However, dark backgrounds provide good contrast where there are high ambient light levels.
4. If there are multiple illuminators that require synchronization, remember to provide access for control cable wiring between the illuminators.
5. Typically under normal circumstances, 60 feet of SideGlow® cable can be installed per hour.

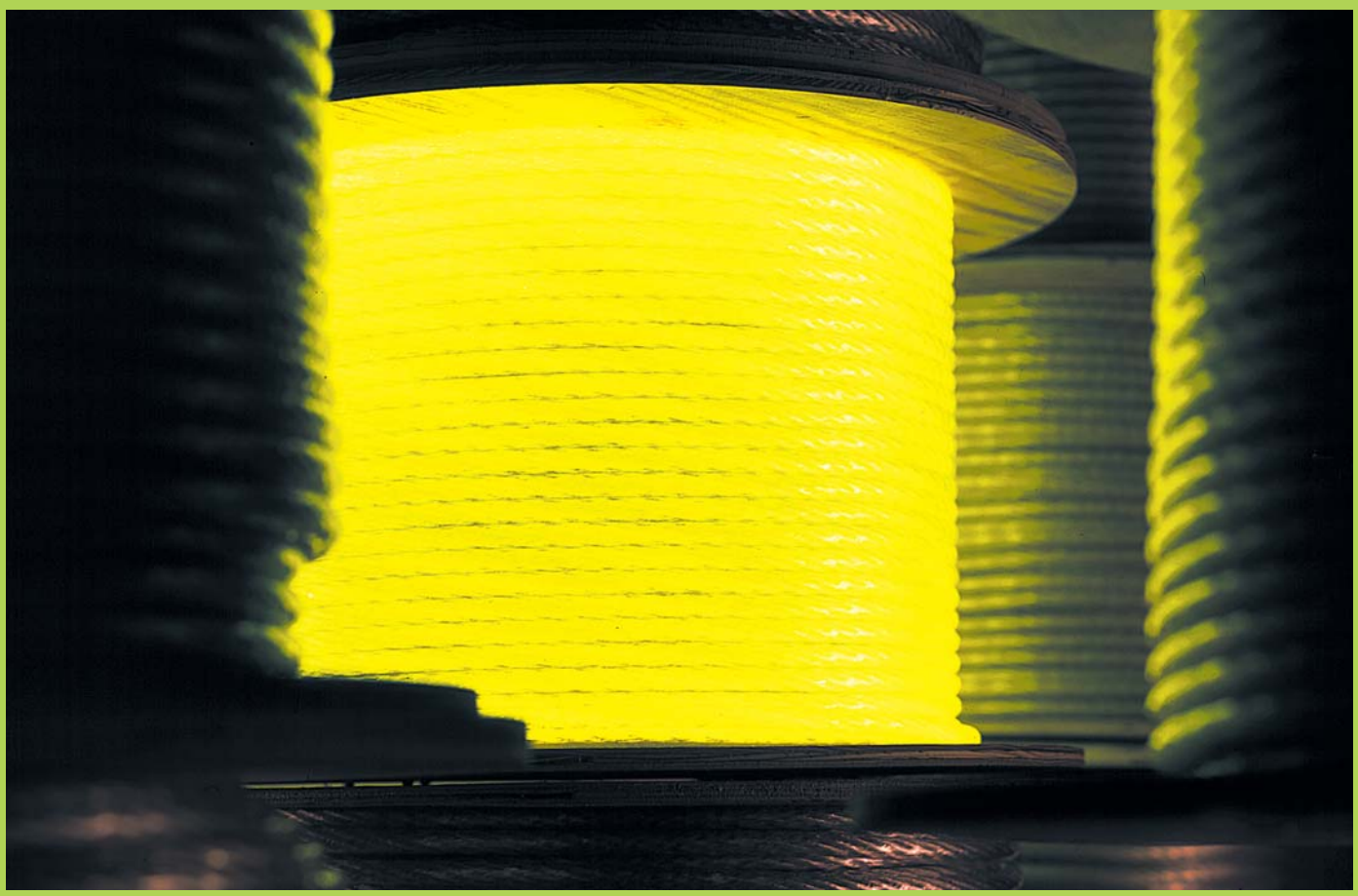


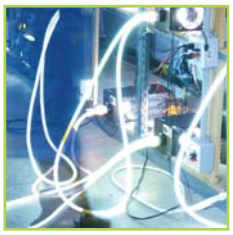
Underwriters Laboratories Inc. (UL) is an independent, not-for-profit product safety testing and certification organization. They have tested products for public safety for more than a century. Each year, more than 17 billion UL Marks are applied to products worldwide.

An electrical, mechanical or electro-mechanical product bearing the North American ETL Listed mark signifies that it was tested and meets the minimum requirements of prescribed product safety standards. Moreover, the mark indicates that the manufacturer's production site conforms to a range of compliance measures and is subject to periodic follow-up inspections to verify continued conformance.

The CE mark is a mandatory European marking for certain product groups to indicate conformity with the essential health and safety requirements set out in European Directives. The letters 'CE' are an abbreviation of Conformité Européenne, French for European Conformity.

FIBER OPTIC CABLES





What is Fiber Optic Cable?

There are two types of Super Vision® cable: SideGlow® and EndGlow®.

Patented SideGlow® cable is a side [light] emitting cable composed of several individual strands of PMMA acrylic fibers (also referred to as "plastic fiber optic") covered by a clear PVC coating. SideGlow® is available in a wide range of diameters and in several models. The fiber strands inside the cable are twisted around a reflective center core.

EndGlow® cable is an end [light] emitting cable that uses the same PMMA acrylic strands as Sideglow® except it's straight fiber strands are covered in an opaque black or white PVC jacket.

EndPoint fiber is the "raw" fiber sold in individual strands by the spool. Light emits primarily from the end, however light can be observed emitting from the side as well. Super Vision® offers many fixtures or light outlets that attach to the end of the cable providing both a mounting system for the cable fixture and a decorative or functional lighting system.

Why use Fiber Optic Cable?

Fiber optic cable is an excellent alternative to neon and other traditional lighting products but without any electricity in the cable itself. By using a color filter or color wheel in the illuminator, the cable, fiber ends or fixtures can change color. The cable emits little or no heat making it ideal for applications where electricity / heat is a concern such as wine racks, display cases, and in or around water. Fiber optic cable is energy efficient.

Where can I use Fiber Optic Cable?

Just about anywhere you like. Because there is little or no heat in the cable and no electricity, your options are wide open. The outer jacket of the cable has UV inhibitors, algaecides, and fungicides to further protect it in the environment.

When do I use Fiber Optic Cable?

When you require a safe and energy efficient lighting system that has the ability to change color and is able to fit in an area that a traditional lighting system cannot fit. It can be used for signs, building outlines, cove lighting, to illuminate architectural fixtures, swimming pool perimeters, underwater lighting, landscape lighting and so on.

Who uses Fiber Optic Cable?

The Pepsi Globe in Caracas, Venezuela uses over 7 kilometers of the SideGlow® cable. Major theme parks, corporations, sign companies and homeowners who illuminate their pools all use fiber optic lighting. Once you discover the magical world of fiber optics, you'll begin to see it almost everywhere. Super Vision® has over 60 worldwide distributors, so no matter where you are in the world chances are Super Vision® is there.

SIDEGLOW®

FRANK LLOYD WRIGHT POOL DESIGN

SideGlow® cable

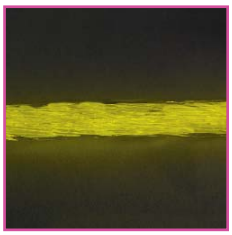
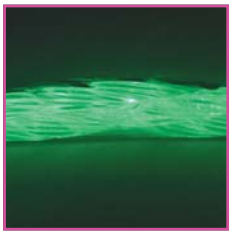
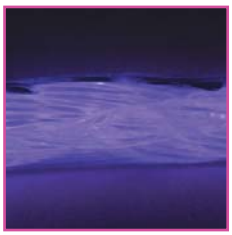
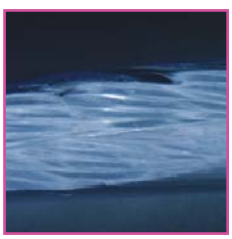
SideGlow® cable is a safe alternative to neon. It can change colors, is virtually unbreakable and is energy efficient. Suitable for interior and exterior applications, it is UV protected and has an algaecide and fungicide treated exterior jacket for maximum durability against the elements. SideGlow® cable is strong enough for amusement park rides, extreme cold weather as well as underwater applications. With no heat or electricity in the cable, typical lighting design restrictions are eliminated, creating a multitude of design possibilities.

The SideGlow® cable is made up of .030"/ 0.75mm diameter PMMA acrylic optical fibers twisted (SV42, SV84, SV126 only) within a flexible clear jacket. The fibers are twisted around a highly reflective PVC internal core that offers flexible stability with maximum light output.

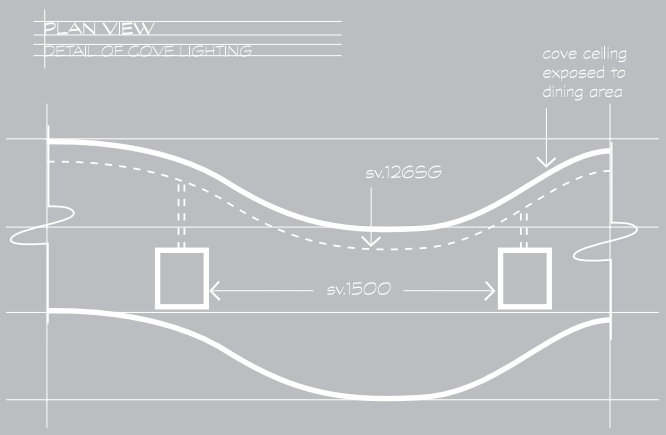
P-Clips or U-Channel Track: Allow for maximum versatility and flexibility in mounting.

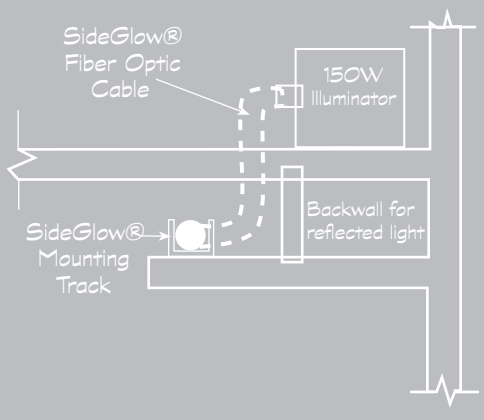
The cable diameter is determined by fiber quantity:

14 fibers: .187", 4.8mm
32 fibers: .312", 7.9mm
42 fibers: .375", 9.5mm
84 fibers: .5", 12.7mm
126 fibers: .625", 15.9mm

CATALOG NO.		DESCRIPTION	UOM (spool size)
SV14 .187" 4.8mm		Patented SideGlow® is an untwisted cable, .187" (4.8mm) in diameter There are 14 multistrand .030" (0.75mm) fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1"	Mini 800' Small 2,000' Medium 5,000' Large 6,500'
SV32 .312" 7.9mm		Patented SideGlow® is an untwisted cable, .312" (7.9mm) in diameter There are 32 multistrand .030" (0.75mm) fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1"	Mini 200' Small 750' Medium 1,000' Large 1,700'
SV42 .375" 9.5mm		Patented SideGlow® is a twisted cable, .375" (9.5mm) in diameter There are 42 multistrand .030" (0.75mm) fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1"	Mini 250' Small 500' Medium 1,000' Large 1,700'
SV84 .5" 12.7mm		Patented SideGlow® is a twisted cable, .5" (12.7mm) in diameter There are 84 multistrand .030" (0.75mm) fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1.5"	Mini NA Small 300' Medium 700' Large 1,000'
SV126 .625" 15.9mm		Patented SideGlow® is a twisted cable, .625" (15.9mm) in diameter There are 126 multistrand .030" (0.75mm) fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1.5"	Mini NA Small 200' Medium 450' Large 650'

Bongos
Orlando, FL





ULTRA SIDEGLOW®

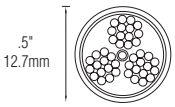
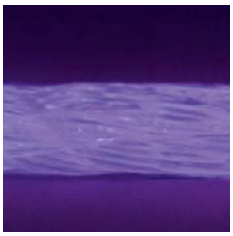
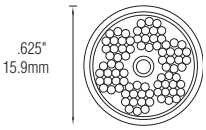
AMSTERDAM, HOLLAND

Ultra SideGlow® cable

The Ultra SideGlow® cable has the same features as standard SideGlow® cables, with the exception of 25% larger diameter individual fibers. The Ultra SideGlow® cable is made up of .040"/ 1.0mm diameter PMMA acrylic optical fibers protected within a flexible PVC jacket. The fibers are twisted around a highly reflective white PVC center core that offers flexible stability with maximum light output. The result is the brightest SideGlow® cable available in the industry today!

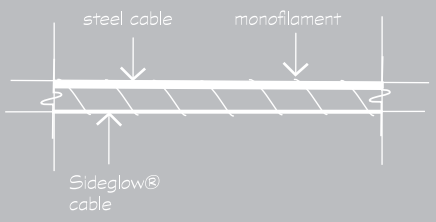
P-Clips or Track tubing can also be used in mounting the Ultra SideGlow® cable.

The cable diameter is determined by fiber quantity:
42 fibers: .5"/ 12.7mm
84 fibers: .625"/ 15.9mm

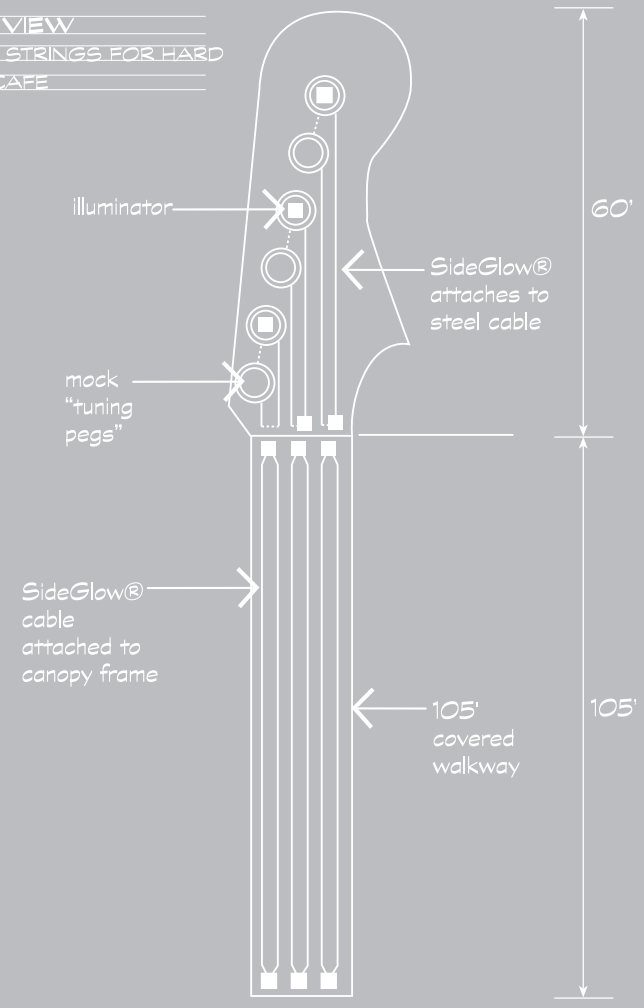
CATALOG NO.		DESCRIPTION	UOM (spool size)
SV42ULTRA 		Patented SideGlow® fiber optic twisted cable, .5" in diameter. There are 42 multistrand of 0.040"/ 1mm fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1.5"	Mini: NA Small: NA Medium: 600' Large: 1,000'
SV84ULTRA 		Patented SideGlow® fiber optic twisted cable, .625" in diameter. There are 84 multistrand of 0.040"/ 1mm fibers in a clear PVC jacket. Maximum (smallest) Bend Radius = 1.5"	Mini: NA Small: 200' Medium: 450' Large: 650'

Hard Rock Cafe

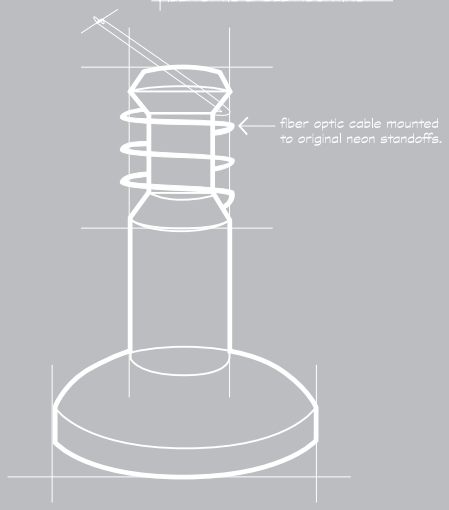
SIDEGLOW™ CABLE
DETAIL OF CABLE ATTACHMENT



PLAN VIEW
GUITAR STRINGS FOR HARD ROCK CAFE



GUITAR "TUNING PEGS"
FIBER OPTIC CABLE MOUNTING



ENDGLOW®

RIO DEJANEIRO, BRAZIL

EndGlow® cable

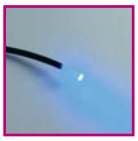
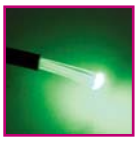
EndGlow® cable is multistrand fibers protected in a flexible PVC jacket for ease of handling and fiber protection. EndGlow® cable is ideal for use with architectural lighting fixtures, landscape fixtures, water-tight lenses, feature lights and EndGlow® signage.

Note: When ordering cable, specify length by quantity in terms of feet. Spools are established lengths and will not be cut shorter; if specific lengths are required, order each individual cable cut to length. SV150EG, SV225EG, SV300EG, SV100EG, SV150EGW, SV225EGW, and SV300EGW are not available in 1000' spool lengths.

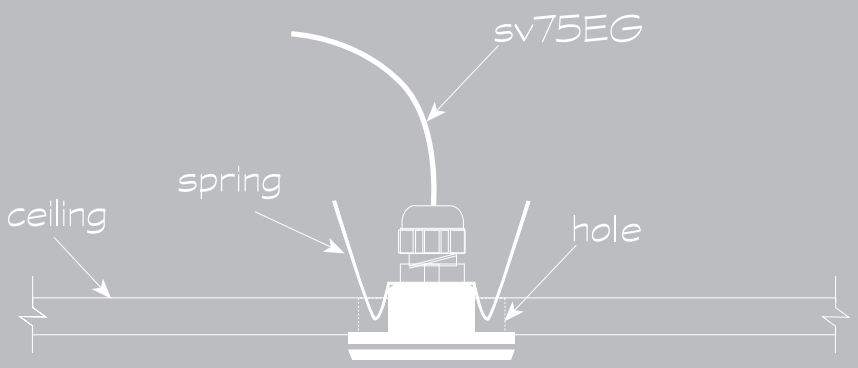
Cable Construction
.030" diameter untwisted PMMA acrylic optical fibers within a flexible PVC jacket.

Diameters are based on fiber quantity:

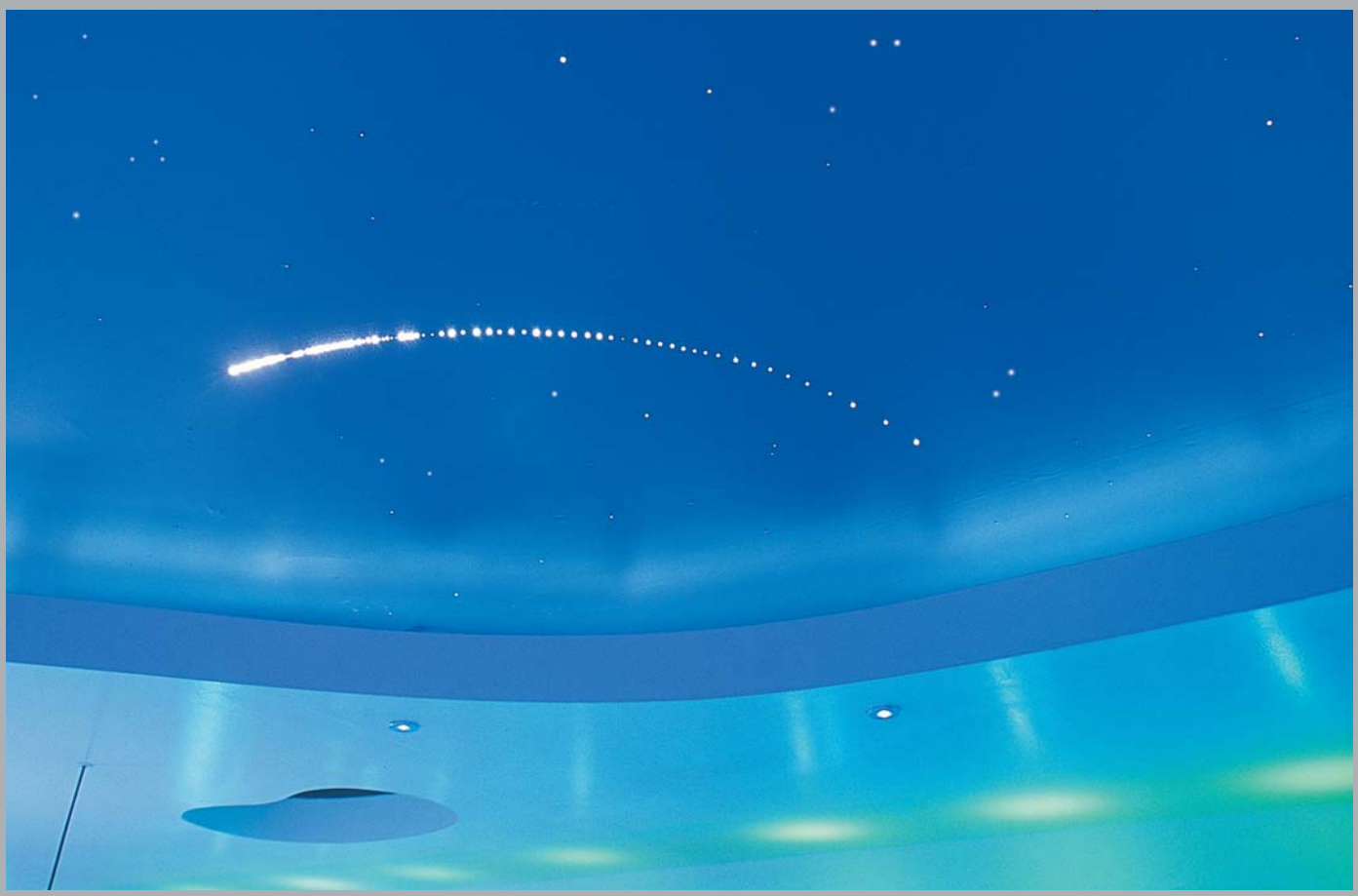
4	fibers:	.125 "	3.2mm
8	fibers:	.187"	4.8 mm
12	fibers:	.219"	5.5mm
25	fibers:	.25"	6.35mm
50	fibers:	.312"	7.9mm
75	fibers:	.375"	9.5mm
100	fibers:	.5"	12.5mm
150	fibers:	.281"	15.1mm
225	fibers:	.625"	15.9mm
300	fibers:	.687"	17.5mm

CATALOG NO.		DESCRIPTION	UOM (spool size)			
			Mini	Small	Medium	Large
SV4EG .125" 3.2mm		EndGlow® cable, .125" (3.2mm) in diameter Black jacket with 4 straight .030"(0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = .5" (12.7mm)	1,500' 457M	3,000' 914M	10,500' 3,200M	NA
SV8EGW .187" 4.8mm		EndGlow® cable, 0.1875" (4.8mm) in diameter White jacket with 8 straight .030" (0.75mm) fiber optic strands. Minimum (smallest) Bend Radius = .5" (12.7mm)	1,200' 366M	3,300' 1,006M	6,500' 1,981M	8,000' 2,438M
SV12EG .219" 5.5mm		EndGlow® cable, .219" (5.5mm) in diameter Black jacket with 12 straight .030" (0.75mm) fiber optic strands . Maximum (smallest) Bend Radius = .5" (12.7mm)	1,000' 305M	2,500' 762M	5,000' 1,524M	7,000 2,134M
SV25EG .25" 6.35mm		EndGlow® cable, .25" (6.35mm) in diameter Black jacket with 25 straight .030" (0.75 mm) fiber optic strands. Maximum (smallest) Bend Radius = 1" (25.4mm)	500' 152M	2,000' 610M	4,000' 1,219M	5,500' 1,676M
SV50EG .312" 7.9mm		EndGlow® cable, .312" (7.9mm) in diameter Black jacket with 50 straight .030" (0.75 mm) fiber optic strands. Maximum (smallest) Bend Radius = 1" (25.4mm)	350' 107M	700' 213M	2,200' 670M	2,500 762M
SV75EG .375" 9.5mm		EndGlow® cable, 0.375" (9.54mm)in diameter Black jacket with 75 straight .030" (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1.5" (38.09mm)	200' 61M	650' 198M	1,200' 366M	1,800' 549M
SV100EG .5" 12.5mm		EndGlow® cable, .50" (12.5mm) in diameter Black jacket with 100 straight .030" (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1.5" (38.09mm)	N/A	250' 76M	500' 152M	750' 229M
SV150EGW* .281" 15.1mm		EndGlow® cable, 0.2812" (15.1mm) in diameter White jacket with 150 straight .030" (0.75mm) fiber optic strands. Maximum (smallest) Bend Radius = 1.5" (38.09mm)	NA	250' 76M	500' 152M	750' 229M
SV225EGW* .625" 15.9mm		EndGlow® cable, 0.625" (15.9mm) in diameter White jacket with 225 straight .030" (0.75 mm) fiber optic strands. Maximum (smallest) Bend Radius = 2" (50.8mm)	NA	150' 46M	400' 122M	500' 152M
SV300EGW* .687" 17.5mm		EndGlow® cable, .687" in diameter White jacket with 300 (17.5mm) straight .030" (0.762 mm) fiber optic strands. Maximum (smallest) Bend Radius = 2" (50.8mm)	NA	150' 46M	250' 76M	500' 152M

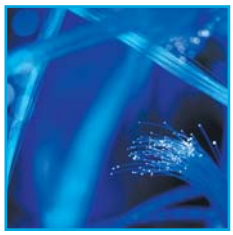
** White Jacket Only

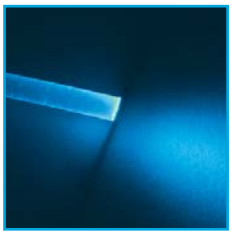

sv75EG
spring
ceiling
hole

END POINT



ORLANDO, FLORIDA





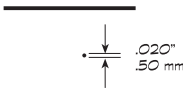
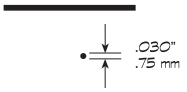
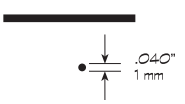
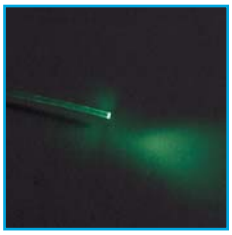
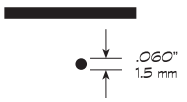
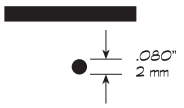
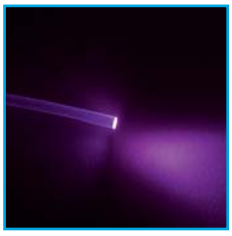
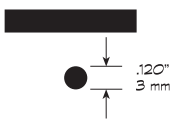
EndPoint Fiber

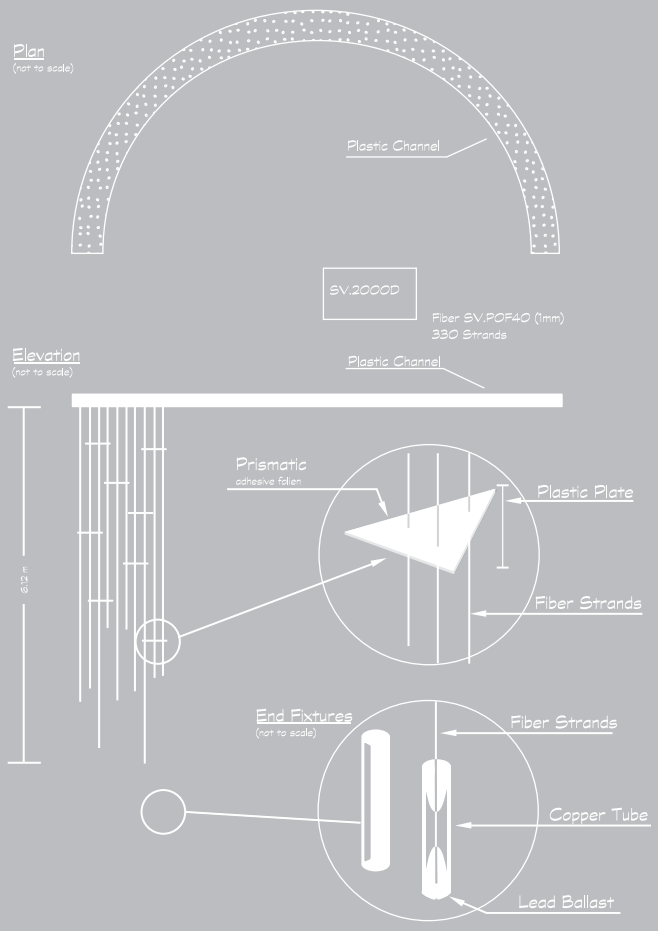
Endpoint fiber is offered on a spool as an individual strand. This is the most economical way to purchase fiber optics. However, caution must be exercised when handling these individual fibers as they do not have a protective PVC jacket.

The most common use for individual spools are for EndPoint applications such as starfield ceilings, endpoint signs and displays.

Larger and smaller diameter fibers are available other than in EndGlow® or SideGlow® products.

Endpoint fibers are single-strand PMMA acrylic optical fibers, available in a wide range of diameters for a variety of applications. Endpoint fibers are ideal for starfield ceilings, point-of-purchase displays, floor tiles, wallscapes and spectacular displays.

CATALOG NO.		DESCRIPTION	UOM (spool size)
SVPAF20* 		EndPoint Fiber, .020" (.50mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = .5" (12.7mm)	19,686 ' 6,000M
12.0021* 		EndPoint Fiber, .030" (.75mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = .5"(12.7mm)	29,529' 9,000M
12.0022* 		EndPoint Fiber, .040" (1mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = .5" (12.7mm)	16,405' 5,000M
SVPAF60 		EndPoint Fiber, .060" (1.5mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = .75" (19mm)	2,296' 700M
SVPAF80 		EndPoint Fiber, .080" (2mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = 1.25" (31.8mm)	1,148' 350M
SVPAF120 		EndPoint Fiber, 0.120" (3.0mm) in diameter Single strand PMMA acrylic fiber Maximum (smallest) Bend Radius = 1.25" (31.8mm)	492' 150M


Plan
(not to scale)
Plastic Channel
SV.2000D
Fiber SV.POF40 (1mm)
330 Strands
Elevation
(not to scale)
Plastic Channel
Prismatic
adhesive folien
Plastic Plate
Fiber Strands
End Fixtures
(not to scale)
Fiber Strands
Copper Tube
Lead Ballast

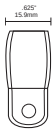
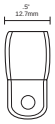
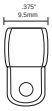
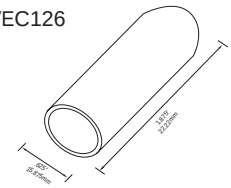
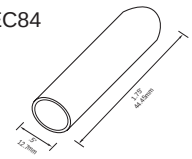
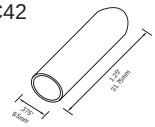
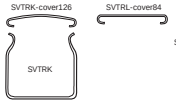
P - CLIPS & TRACKS

Super Vision®'s "P' clips are clear PVC for mounting fiber optic cable where a tight radius is required for free form designs or when track is inappropriate.

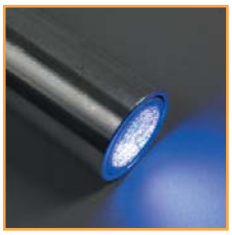
Clear caps for termination of dead end runs of SideGlow® cable.

Super Vision®'s SVTRK fiber optic cable mounting U-channel is a clear, rigid plastic used to mount fiber optic cable. It is easily cut or notched for bending and can accommodate a slight radius. It is available in 6-foot sections and can be cut to length.

Super Vision®'s SVTRK-WHITE fiber optic cable mounting U-channel is a white, rigid plastic used to mount fiber optic cable for front-only viewing. It is easily cut or notched for bending and can accommodate a slight radius. It is available in 6-foot sections and can be cut to length. Covers are clear.

CATALOG NO.	DESCRIPTION	UOM
SVPC-126 	For: SV126, SV84 Ultra Width: .625" (15.9mm)	1 Bag – 100 per bag
SVPC-84 	For: SV84, SV42 Ultra. Width: .5" (12.7mm)	1 Bag – 100 per bag
SVPC-42 	For: SV42. Width .375" (9.5mm)	1 Bag – 100 per bag
SVEC126 	For SV126 or SV84 Ultra Width: .625" (15.875mm) Length: .875" (22.22mm)	1 each
SVEC84 	For SV84 or SV42 Ultra. Width: .5" (12.7mm) Length: 1.75" (44.45mm)	1 each
SVEC42 	For SV42. Width: .375" (9.5mm) Length: 1.25" (31.75mm)	1 each
SVTRK SVTRK-COVER126 SVTRK-COVER84 	For SV126, SV84, SV84 Ultra, SV42 Ultra Sections: Width: .625" (15.9mm) Length: 6' (1828.8mm) Height: 0.57" (14.5mm)	6 ft. section
SVTRK-42 SVTRK-COVER42	For: SV42 Width: .375" (9.5mm) Length: 6' (1828.8mm) sections Height: .403" (10.25mm)	6 ft. section
SVTRK-WHITE SVTRK-COVER126	For: SV126, SV84, SV42 Ultra, SV84 Ultra Width: .625" Length: 6' (1828.8mm) sections Height: 0.57" (14.5mm) Note: Cover will be clear not white	6 ft. section

ILLUMINATORS



What is an Illuminator?

Often referred to as the light engine, light pump, light source and even transformer, the illuminator houses the lamp that provides the light for the fiber optics. The fiber is connected to the illuminator via a fberhead. On some models a color filter or color wheel with many different color filters is positioned in between the fiberhead and the lamp. The color wheel is connected to a motor that will turn and change the color at a pre-determined rate. For special effects a DMX system can be integrated with some of the illuminators to provide fast paced effects as well as dowsing. Dowsing is the stopping of light transmission through an opaque filter.

If you have more than one illuminator and you want the colors to change at the same time on all of the units then you need a synchronous controller. Super Vision® manufactures two synchronous controllers: the SV300C is an internal system that can synchronize up to ten illuminators and the SV600C can sync up to 35 illuminators

** With a booster (an extra SV600C) an application can handle data cable lengths of 2000 feet, or another 35 illuminators, whichever happens first.*

Which Illuminator Do I Use?

The first question to ask is what is the application. For SideGlow® cable used for cove lighting, building outlines or as a neon alternative you'll need to use a metal halide illuminator - either the SV1500, FIBERPRO, SV150T or the ECLIPSE II. For the EndGlow® architectural fixtures either the SV1500 (interior) or the FIBERPRO 150 (interior/exterior), both are 150 watt metal halide units.

For star ceilings or Endpoint fiber optic displays choose the SV750 (75 watt halogen) or for very bright results the STARPRO (70 watt metal halide) will be a superb choice.

If you have an outdoor application where the illuminator needs to be mounted on or close to the ground the SV150T tower will provide you a solution. It is a 150 watt metal halide system that is popular with landscapers and pool builders.

Use the charts to the right to choose an illuminator

ILLUMINATOR FEATURE CHART

	SV750	STARPRO	SV1500	FIBERPRO 150	ECLIPSE II	150T
INDOOR	✓	✓	✓	✓	✓	✓
OUTDOOR		✓		✓	✓	✓
FIBER CAPACITY* *.75mm	2500	2500	500 288(1mm)	500 288(1mm)	500	550*
CE / UL CUL	✓	✓	✓	✓	✓	✓
LAMP TYPE	35-75W HALOGEN	70W HID	150W HID	150W HID	250W HID	150W HID
LAMP LIFE	4,000 HRS	9,000 HRS	10,000 HRS	10,000 HRS	6,000 HRS	10,000 HRS
POWER (VAC)	120 220	120 220	120 220 277	120 220 277	120 220	120 220
CONTROL SYSTEM OPTION	NO	NO	SYNC	SYNC DMX DS	SYNC DMX	SYNC REMOTE
MOUNTING	WALL HORIZ	WALL HORIZ	WALL HORIZ	WALL HORIZ	HORIZ ONLY	ON GROUND
COLOR WHEEL OPTION	4,8-COLOR SPARKLE	4,8-COLOR SPARKLE	4-COLOR 8-COLOR	4-COLOR 8-COLOR	4-COLOR 8-COLOR	6-COLOR

* Upgrade to 750fibers (.75mm) w/ SVFH756 Kit

APPLICATION REFERENCE CHART

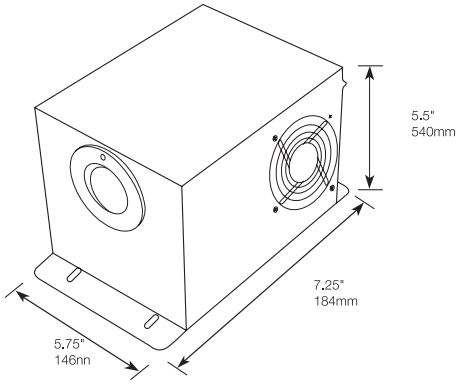
	SV750	STARPRO	SV1500	FIBERPRO 150	ECLIPSE II	150T
SIDEGLOW®			✓	✓	✓	✓
STAR CEILING	✓	✓				
ARCHITECT LIGHTING FIXTURES			✓	✓		
CHANNEL LETTERS			✓	✓	✓	
LANDSCAPE						✓
POOL & SPA						✓

SV750

ILLUMINATORS

	SV750
INDOOR	✓
OUTDOOR	
FIBER CAPACITY* *.75mm	2500
CE / UL CUL	✓
LAMP TYPE	35-75W HALOGEN
LAMP LIFE	4,000 HRS
POWER (VAC)	120 220
CONTROL SYSTEM OPTION	NO
MOUNTING	WALL HORIZ
COLOR WHEEL OPTION	4,8-COLOR SPARKLE

The SV750 series illuminator provides 75 watts of incandescent quarts halogen illumination for EndGlow® and SideGlow® applications. Its compact housing fits well into confined spaces and features an optical color wheel for dramatic effects. The SV750 is rated for indoor applications only. Its easy-access door panel allows for easy re-lamping and fast installation and maintenance. UL listed for dry location.



SV750	VOLTAGE	ENDGLOW COLOR WHEEL	CONTROL SYSTEM
75 Watt Quartz Illuminator	**120** - 120 VAC, 60 Hz **220** - 220 VAC, 50 Hz	**ESTDC** - Standard (red, green, blue, yellow) **ESTDS** - Sparkle (red, green, blue, yellow) **EWS** - Sparkle (white) **ESG**-Standard grey (soft sparkle effect) **EC** - clear (no color) **COLORWHEEL** (4 custom colors) **COLORWHEEL 8** (8 custom colors)	**NONE**

	SV750
SIDEGLOW®	
STAR CEILING	✓
ARCHITECT LIGHTING FIXTURES	
CHANNEL LETTERS	
LANDSCAPE	
POOL & SPA	

SV750 Replacement Lamp

Part No.: SVEG75MR16

Description: EYC 12 volt, 75 watt quartz halogen lamp

Carton Qty: 1

SPECIFICATIONS:

UL Listed: Dry location

Electronical Rating:
- 120 VAC, 60 Hz / .70 Amps
- 220 VAC, 50 Hz / .40 Amps

Lamp:
- 75 watt quartz halogen lamp
- 4,000 hours average life

Power Consumption:
- 88 watts max

Fiber Capacity:
- 2500 fibers w/.75mm fibers
- 225 SideGlow® w/.75 mm fibers

Safety Features:
- Internal 122˚F/ 50˚C thermal protector
- Power inlet 2 map fuse (extra fuse provided)

Ambient Operation Temperature:
- -20˚F to 110˚F • -29˚C to 44˚C

Dimension:
- 140mm X 241mm X 146mm
- 5.5" X 9.5" X 5.75"
- add 11" (279.4mm) for fiber head and fiber to "W" position

Weight:
- 7 lbs.
- 3.2 kg.

Finish:
- powder coating, no bare metal, inside or outside

Standard Feature:
- On-Off power and color wheel switch

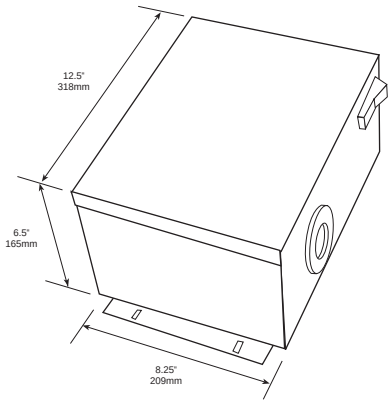
Mounting / Installation:
- surface or wall mount

Ventilation:
- 21 CFM enclosure cooling 6" (152mm) clearance required to nearest surface. 24" (610mm) clearance required between each illuminator

Warranty:
- 1 year on parts (excluding lamp)

Standards:
- UL / cUL

IP Rating: 20



STARPRO	VOLTAGE	ENDGLOW COLOR WHEEL	CONTROL SYSTEM
70 watt metal halide 3.000K illuminator	**120** - 120 VAC, 60 Hz **220** - 220 VAC, 50 Hz	**ESTDC** - Standard (red, green, blue, yellow) Lexan **ESTDS** - Sparkle (red, green, blue, yellow) Lexan **EWS** - Sparkle (white) Lexan **ESG** - Standard grey (soft sparkle effect) Lexan **EC**-Clear Colorwheel (custom) **COLORWHEEL** (4 custom colors) **COLORWHEEL 8** (8 custom colors)	**NONE**

SPECIFICATIONS:

UL Listed: Wet & Dry Locations (Wet location, the unit must face up)

Electrical Rating:
- 120 VAC, 60 Hz / 0.9 Amps
- 220 VAC, 50 Hz / 0.45 Amps

Lamp:
- 70 watt metal halide
- 9,000 hours average life
- Color temperature - 3000 K

Power Consumption:
- 100 watts max.

Fiber Capacity:
- 2500 w/0.75mm fibers

Safety Features:
- Internal 185°F/ 85° C thermal protector

Ambient Operating Temperature:
- -20°F to 110°F
- -29°C to 44°C

Dimensions:
- 8.25" W* x 12.5" L x 6.5" H
- 209mm x 318mm x 165mm
- add 15" (381mm) for fiber head and fiber to "W" position.

Weight:
- 7 lbs..
- 3.2 kg

Material/Finish:
- Powder coating, no bare metal, inside or outside
- Water, corrosion and chemical resistant

Mounting / Installation:
- Surface or wall mount

Standard Features:
- On/off power and color wheel switch

Ventilation:
- 115 CFM enclosure cooling
- Recommended distance from surface, 6"(152mm)
- Recommended distance from another light source, 24"(509mm)

Warranty:
- 1 Year (excluding lamp)

Standards:
- UL / cUL

IP Rating: 23

This series illuminator has a 70 watt metal halide lamp rated at 9,000 lamp hours average life. UL and cUL listed for wet and dry applications. Recommended for endpoint fiber applications, signs, ceilings, floors and wall murals.

	STARPRO
INDOOR	✓
OUTDOOR	✓
FIBER CAPACITY* *.75mm	2500
CE / UL CUL	✓
LAMP TYPE	70W HID
LAMP LIFE	9,000 HRS
POWER (VAC)	120 220
CONTROL SYSTEM OPTION	NO
MOUNTING	WALL HORIZ
COLOR WHEEL OPTION	4,8-COLOR SPARKLE

STARPRO Replacement Lamp
Part No.: 03.0030

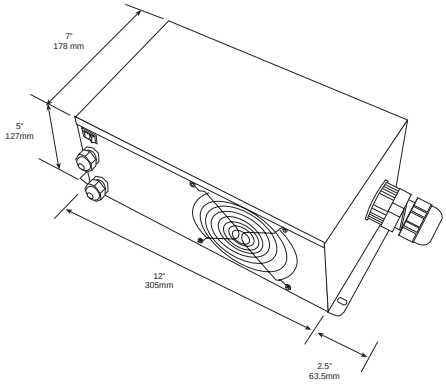
Description: 70 watt metal halide lamp

Carton Qty: 1

	STARPRO
SIDEGLOW®	
STAR CEILING	✓
ARCHITECT LIGHTING FIXTURES	
CHANNEL LETTERS	
LANDSCAPE	
POOL & SPA	

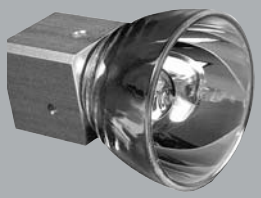
	SV1500
INDOOR	✓
OUTDOOR	
FIBER CAPACITY* *.75mm	500 288(1mm)
CE / UL CUL	✓
LAMP TYPE	150W HID
LAMP LIFE	10,000 HRS
POWER (VAC)	120 220 277
CONTROL SYSTEM OPTION	SYNC
MOUNTING	WALL HORIZ
COLOR WHEEL OPTION	4-COLOR 8-COLOR

The SV1500 series illuminator with a 150MH/HID lamp rated at 10,000 hours average life. Recommended for interior EndGlow® and SideGlow® applications.



SV1500	VOLTAGE	ENDGLOW COLOR WHEEL	CONTROL SYSTEM
150 Watt Metal Halide Illuminator	**120** - 120 VAC, 60 Hz	**N** - none	**N** - none
	220 - 220 VAC, 50 Hz	**4S-SB** - 4 Standard	**S** - Synchronous
	230 - 230 VAC, 50 Hz	**8S-SB** - 8 Standard	**MS**- 300C master module/sync
	240 - 240 VAC, 50 Hz	**4C-SB** - 4 Custom	
	277 - 277 VAC, 60 Hz	**8C-SB** - 8 Custom	
	LAMP		
	40-GA - 4,000K **30-GA** - 3,000K		

	SV1500
SIDEGLOW®	✓
STAR CEILING	
ARCHITECT LIGHTING FIXTURES	✓
CHANNEL LETTERS	✓
LANDSCAPE	
POOL & SPA	



SV1500 Replacement Lamp

Part No.: 40-GA
30-GA

Description: 150 watt metal halide replacement lamp for SV1500 illuminator

Carton Qty: 1

SPECIFICATIONS

UL Listed:
Dry Locations

Electrical Rating:
- 120 VAC, 60 Hz, 1.8 amps / 3 amps startup
- 220 VAC, 50 Hz, 1.2 amps / 3 amps
- 230 VAC, 50 Hz, 1.2 amps / 3 amps
- 240 VAC, 50 Hz, 1.2 amps / 3 amps
- 277 VAC, 60 Hz, 1.2 amps / 3 amps

Lamp:
- 150 watt metal halide
- 10,000 hours average life
- 6000 hours - color shift

Fiber Capacity:
- 500 fibers (w/0.75mm fibers)
- 288 fibers - Ultra SideGlow®

Power Consumption:
- 200 Watts, maximum

Safety Features:
- Internal 185°F / 85°C thermal protector
- Kill switch when cover is open

Ambient Operating Temperature:
- -20°F to 110°F
- -29°C to 44°C

Dimensions:
- 7" x 12" x 5"*
- 178mm x 305mm x 127mm 10.5"H (266.7mm) with door open, add 2.5" (64mm) for fiber head and fiber to "w" positions

Weight:
- 16 lbs.
- 7.3 kg.

Material / Finish:
- Steel
- Black wrinkle powder coating

Standard Features:
- 1/2" flexible conduit-ready for use with flexible metal conduit.

Mounting / Installation:
- Indoor - horizontal or vertical.

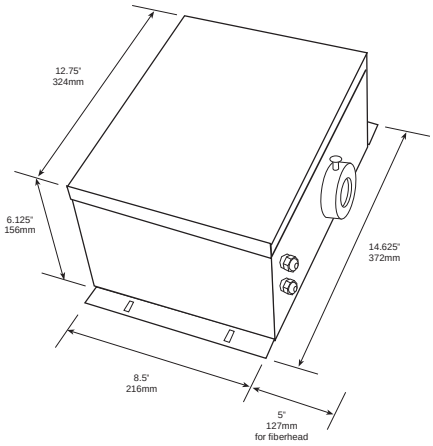
Note:
- For vertical mounting fiberhead must face down.

Ventilation:
- Forced 115 CFM enclosure cooling
- Recommended distance from surface, 6"
- Recommended distance from another light source, 24"

Warranty:
- 1 Year (excluding lamp)

Standards:
- UL / cUL

IP Rating: 20



FIBERPRO	VOLTAGE	ENDGLOW COLOR WHEEL	CONTROL SYSTEM
150 watt metal halide illuminator	**120** - 120 VAC, 60 Hz **220** - 220 VAC, 50 Hz **230** - 230 VAC, 50 Hz **240** - 240 VAC, 50 Hz **277** - 277 VAC, 60 Hz	**N** - none **4S-SB** - 4 Standard **8S-SB** - 8 Standard **4C-SB** - 4 Custom **8C-SB** - 8 Custom Note: Refer to accessories Catalog for color	**N** - none **S** - Synchronous **D** - DMX 512 compatible **DS** - Dimming system **MS** - 300C master module/ sync
LAMP			
40-GA - 4,000K **30-GA** - 3,000K			

SPECIFICATIONS:

UL Listed:
Wet and dry locations

Electrical Rating:
- 120 VAC, 60 Hz / 4.5 Amps (start up)
- 120 VAC, 60 Hz / 2.3 Amps (running)
- 220-240 VAC, 50 Hz / 3.5 Amps (start up)
- 220-240 VAC, 60 Hz / 2.0 Amps (running)

Lamp:
- 150 watt metal halide
- 10,000 hours average life
- 6,000 hours color shift
- Vision 2 Technology

Fiber Capacity:
- 500 fibers w/ 0.75mm fibers
- 288 fibers - Ultra SideGlow®(1mm)

Power Consumption:
- 300 Watts, maximum

Safety Features:
- Internal 185°F / 85°C thermal protector

Ambient Operating Temperature:
- -20°F to 110°F
- -29°C to 44°C

Dimensions:
- 8.5"(W) x 14.625 (L) x 6.125" (H)
- 216mm x 372mm x 156mm 14.125"H (359mm) with door open
- Allow an additional 5" (127mm) for fiberhead and fiber to "W" position.

Weight:
- 23 lbs.
- 10.5 kg

Material / Finish:
- Galvanneal
- Powder coating, no bare metal inside or outside
- Water, corrosion and chemical resistant

Mounting / Installation:
- Surface or wall mount (wall mount - horizontal fiberhead direction only)
- * Must be flush mounted to surface for proper air separation between compartments.

Ventilation:
- 115 CFM enclosure cooling
- 28 CFM fiber tunnel cooling
- Recommended distance from surface, 6"
- Recommended distance from another light source, 24"

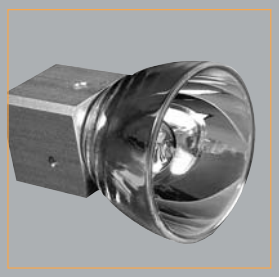
Warranty:
- 1 Year (excluding lamp)

Standards:
- UL / cUL

IP Rating: 23

Wet and dry UL listed illuminator with a 150 watt metal halide lamp rated at 10,000 hours average life. Recommended for SideGlow® and EndGlow® cable, interior and exterior applications.

	FIBERPRO 150
INDOOR	✓
OUTDOOR	✓
FIBER CAPACITY* *.75mm	500 288(1mm)
CE / UL CUL	✓
LAMP TYPE	150W HID
LAMP LIFE	10,000 HRS
POWER (VAC)	120 220 277
CONTROL SYSTEM OPTION	SYNC DMX DS
MOUNTING	WALL HORIZ
COLOR WHEEL OPTION	4-COLOR 8-COLOR



FIBERPRO Replacement Lamp

Part No.: 30-GA (3000K)
40-GA (4000K)

Description: 150 watt MH/HID replacement lamp for illuminator: FIBERPRO.

Carton Qty: 1

	FIBERPRO 150
SIDEGLOW®	✓
STAR CEILING	
ARCHITECT LIGHTING FIXTURES	✓
CHANNEL LETTERS	✓
LANDSCAPE	
POOL & SPA	

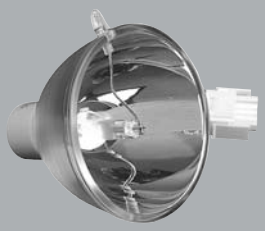
ECLIPSE II

ILLUMINATORS

	ECLIPSE II
INDOOR	✓
OUTDOOR	✓
FIBER CAPACITY* *.75mm	500 288(1mm)
CE / UL CUL	✓
LAMP TYPE	250W HID
LAMP LIFE	6,000 HRS
POWER (VAC)	120 220
CONTROL SYSTEM OPTION	SYNC DMX
MOUNTING	HORIZ ONLY
COLOR WHEEL OPTION	4-COLOR 8-COLOR

	ECLIPSE II
SIDEGLOW®	✓
STAR CEILING	
ARCHITECT LIGHTING FIXTURES	
CHANNEL LETTERS	✓
LANDSCAPE	
POOL & SPA	

The ECLIPSE II wet and dry UL listed illuminator with a 250 watt HID lamp rated at 6000 hours average life. Recommended for SideGlow® interior and exterior applications.

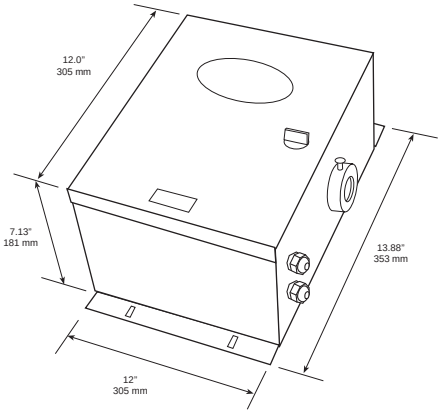


ECLIPSE II Replacement Lamp

Part No.: 03.0250

Description: 250 watt metal halide lamp

Carton Qty: 1



ECLIPSE II	VOLTAGE	ENDGLOW COLOR WHEEL	CONTROL SYSTEM
250 watt metal halide illuminator	**120** - 120 VAC, 60 Hz	**N** - none	**N** - none
	220 - 220 VAC, 50 Hz	**4S-SB** - 4 Standard	**S** - Synchronous
LAMP		**8S-SB** - 8 Standard	**D** - DMX 512 compatible
4200°K	**277** - 277 VAC, 60Hz	**4C-SB** - 4 Custom	**MS** - 300C master module/sync
		8C-SB - 8 Custom	
		Note: Refer to color chart for options	

SPECIFICATIONS:

UL Listed: Wet & Dry Locations
(Wet location, a unit must be installed on a horizontal mount (face up))

Electrical Rating:
- 120 VAC, 60 Hz / 4.6 Amps
- 220 VAC, 50 Hz / 3 Amps
- 277 VAC, 60 Hz / ?? Amps

Lamp:
- 250 watt metal halide
- 6000 hours average life
- Color temperature - 4200 K
- Horizontal burn position only

Power Consumption:
- 600 watts max.

Fiber Capacity:
- 500, 0.75mm fibers/ 288(1mm) fibers

Safety Features:
- Internal 185°F/ 85° C thermal protector

Ambient Operating Temperature:
- -20°F to 110°F
- -29°C to 44°C

Dimensions:
- 12" W* x 13.80" L x 7.13" H
- 305mm x 353mm x 181mm
- add 18.6" (472mm) for fiberhead and fiber to "W" position

Weight:
- 27 lbs.
- 12.2 kg

Material/Finish:
- Galvanncal Metal
- Powder coating, no bare metal, inside or outside
- Water, corrosion and chemical resistant

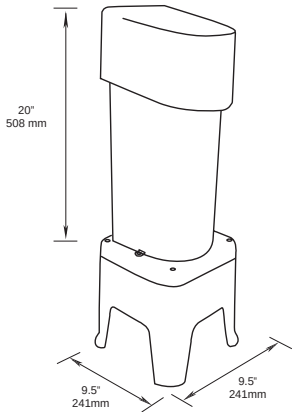
Mounting / Installation:
- Surface or wall mount- horizontal fiberhead direction only. Must be flush mounted to surface for proper air seperation between compartments

Ventilation:
- 115 CFM enclosure cooling

Warranty:
- 1 Year (excluding lamp)

Standards:
- UL / cUL

IP Rating: 23



SV150T	VOLTAGE	ENDGLOW COLOR WHEEL	CONTROL SYSTEM
150 watt metal halide tower illuminator	**120** - 120 VAC, 60 Hz	**1** - none	**N** - none
LAMP	**220** - 220 VAC, 50 Hz	**6** - 6 standard	**C** - Sync. / instant color change*
40-GA- 4,000K			* no need for SV300C or SV600C

SV150T - Tower illuminator •150 watt metal halide lamp • 10,000 hour lamp life • 550 (.75mm) strand fiber capacity • 756 (.75mm) strand fiber capacity upgrade (sold separately)

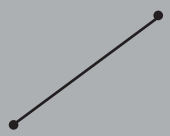
	150T
INDOOR	✓
OUTDOOR	✓
FIBER CAPACITY* *.75mm	500 288(1mm)
CE / UL CUL	✓
LAMP TYPE	150W HID
LAMP LIFE	10,000 HRS
POWER (VAC)	120 220
CONTROL SYSTEM OPTION	SYNC REMOTE*
MOUNTING	ON GROUND
COLOR WHEEL OPTION	6-COLOR

* No need for SV300C or SV600C

Screw Driver
Part No.: 16.0099
Description: screw driver to adjust color wheel speed for 150T6C only
Carton Qty: 1

Remote Control
Part No.: SVRFCK*
Description: remote control for SV150T - order separately
Carton Qty: 1

Replacement Color Wheel
Part No.: 6S-HC
Description: color wheel for SV150T
Carton Qty: 1



SVISOT6C Data Cable
Part No.: 17.0609
Description: data cable for controlled tower unit. Sold per foot.

	150T
SIDEGLOW®	✓
STAR CEILING	
ARCHITECT LIGHTING FIXTURES	
CHANNEL LETTERS	
LANDSCAPE	✓
POOL & SPA	✓

150T Replacement lamp
Part No.: 40-GA (4000K)
Description: 150 watt MH/HID replacement lamp for illuminator SV150T.
Carton Qty: 1

SPECIFICATIONS:

UL Listed: for Wet Locations
Electrical Rating:
- 120 VAC, 60 Hz / 3 Amps (start up)
- 120 VAC, 60 Hz / 1.8 Amps (running)
- 220-240 VAC, 50 Hz / 3.0 Amps (start up)
  220-240 VAC, 60 Hz / 1.2 Amps (running)

Lamp:
- 150 watt metal halide - 4,000K
- 10,000 hours average life

Fiber Capacity:
- 550 fibers maximum w/.75mm fibers -
- 288 fibers - Ultra SideGlow™ 1mm
- 756 fibers maximum (upgrade) .75mm
- 435 fibers maximum - Ultra Sideglow™ (upgrade) 1mm

Power Consumption:
- 200 watts max.

Storage Temperature:
- -40°F to 140°F
- -40°C to 60°C

Ambient Operating Temperature:
- -20°F to 110°F
- -29°C to 44°C

Motors:
- 1RPM motor

Dimensions:
- 9.5" x 9.5" x 20"
- 241mm x 241mm x 508mm

Weight:
- 21 lbs.
- 9.5 kg.

Material/Finish:
- UV stabilized materials
- Water, corrosion and chemical resistant

Mounting / Installation:
- Surface or burial mount up to area below fan location.

Standard Features:
- On/off power and color wheel switch
- Dial for color timing (control only) 3 sec - 1 hr continuous adjustment

Ventilation:
- Forced ventilation 115 CFM, FAN: 20 Watts, 80,000 hrs. life 6" clearance required to nearest surface. 2' clearance between each illuminator.

Warranty:
- 1 Yr. (excluding lamp)

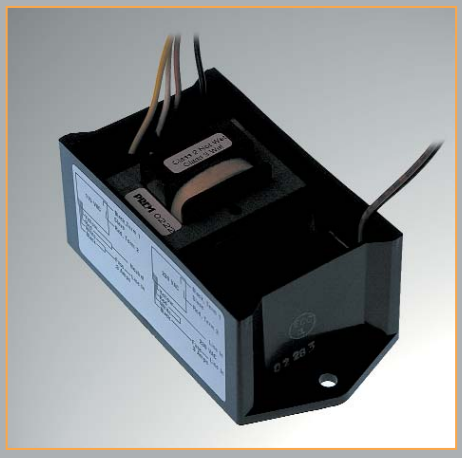
Upgrades:
- White only to 6 colors
- 550 - 756 fiber head
- RF controlled light source (surface)

Standards:
- UL / cUL

IP Rating: 23

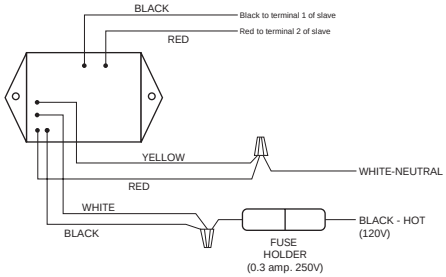
S V 3 0 0 C

MASTER CONTROL SYSTEM

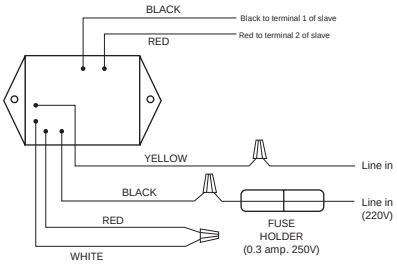


The SV300C is designed as an economical alternative to the SV600C for small to medium applications, involving 1 to 10 synchronous illuminators. It's purpose is to keep those illuminators in constant synchronous operation. The unit is UL, cUL and CE approved, and is designed to work with 120VAC, 60Hz and 220-240 VAC, 50Hz illuminators. The SV300C can be added internally to the SV1500, FIBERPRO, and ECLIPSE II to make them into a Master illuminator. Note: Master Module not sold separately.

INTERNAL WIRING DIAGRAM FOR 120V, 60HZ



INTERNAL WIRING DIAGRAM FOR 220-240V, 50HZ



SV300C	DESCRIPTION	CARTON QTY
SV300C	Synchronous control system	1 each
SVCC10	Data cable for SV300C	Per foot

SPECIFICATIONS:

Electrical Rating:
- 120 VAC, 60 Hz
- 220 VAC, 50 Hz

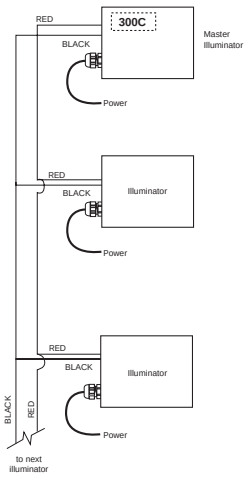
Dimensions:
- 4.0" x 2.05" x 1.6"
- 102mm x 52mm x 41mm

Construction:
- Plastic

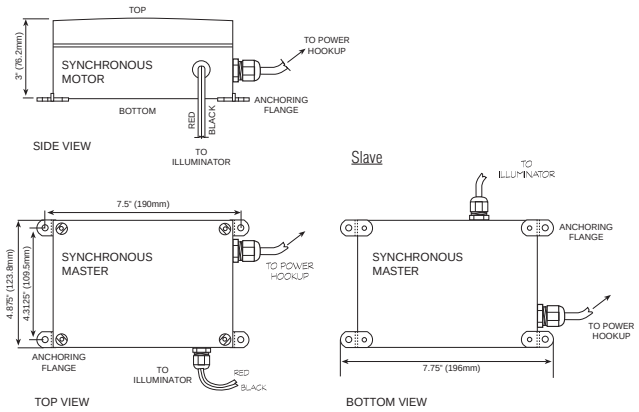
Location Listing:
- Indoor/outdoor within L.S.

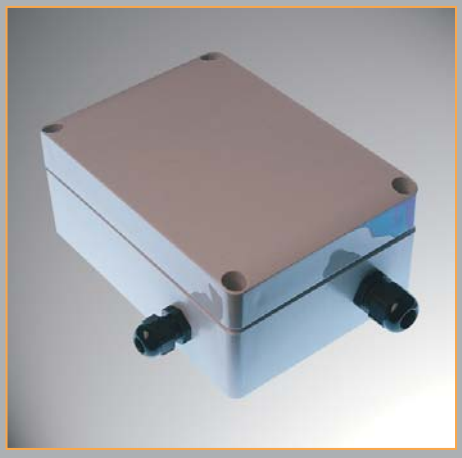
Maximum Number Illuminators:
- 10

Wire Type:
- 600V, type TC control cable
- 18 AWG, 2 conductor
- Vinyl nylon tray cable
- UV resistant, suitable for direct burial



External Master

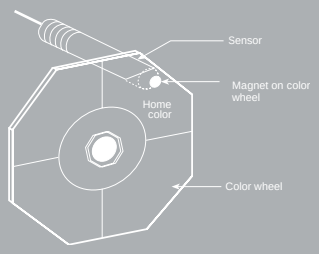




The SV600C Master Control System unit is designed to synchronize the color wheel rotation between two or more illuminators. The SV600C is an external unit separate from the illuminator. It can only be used with illuminators that have an internal slave control and sensor. The SV600C is parallel wired to each illuminator. The SV600C can be used with the SV1500, FIBERPRO, and ECLIPSE II.

Features: Color change interval duration can be set to: 1, 2, 4, 8, 16, 32, 64, or 128 minutes or seconds.

600C	DESCRIPTION	CARTON QTY	
SV600C	Synchronous control system	1 each	
SVCC10	Data cable for SV600C	Per foot	



The SV600C has the following operating parameters:

Modes:
- **Four or eight color wheel**
- **Stop at each color (4 color only)**
- **Stop at "Home" only (see above figure)**
- **Minute or second settings**

Dwell:
- **Sets the time the color wheel will remain on each color (for 4 color wheels only) or at the "Home" position. Home Position is where the magnet on the color wheel is aligned with the sensor.**

SPECIFICATIONS:

Electrical Rating:
- 120 VAC, 60 Hz
- 220 VAC, 50 Hz

Dimensions:
- 3.21"(81.5mm) x 4.92" (125mm) x 7.67"(195mm)

Construction:
- Plastic

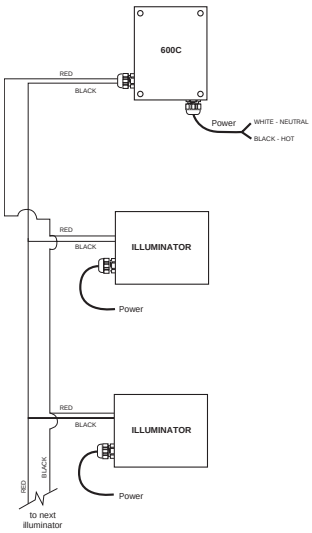
Location Listing:
- Indoor/outdoor

Maximum Number Illuminators:
- 35

Wire Type:
- 600 V, type TC control cable
- 18 AWG, 2 conductor
- Vinyl nylon tray cable
- UV resistant, suitable for direct burial

Standards:
- UL / cUL

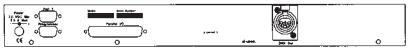
IP Rating: 23



The DMX Machine controller is a complete stand-alone lighting controller. It is ideal as a slave to another controller, or can be used by itself for small shows or elaborate kiosks. For use in FIBERPRO or ECLIPSE II illuminators.

EXTERIOR FRONT

EXTERIOR BACK



DMX	DESCRIPTION
Call for latest specs	DMX Machine
17.0193	DMX Data Cable “Sold by the Foot”
18.0183	Replacement Screw 4-40 x .1875” (4.8mm) socket cap screw S/S
18.9001	Replacement Screw 4-40 x .5” (13mm) socket cap screw S/S
18.0182	DMX Tool for Socket Cap Screw
CF-1/4W-121JTR	Terminating Resistor 120 Ohm
10.0651	Replacement DMX Stepper Motor 6-wire
10.0650	DMX board

SPECIFICATIONS:

Power:
- 120 or 240 VAC, 50-60 Hz
- 25 watts maximum
- UL listed Class 2 power adapter

Dimensions:
- 1.75” x 19” x 6.5” (45mm x 483mm x 165mm)

Operating Temperature:
- 0 - 35°C (32 - 100°F)
- 0 - 90% relative humidity, non-condensing

Front Panel:
- Power LED
- Acknowledge (ACK) LED
- Error LED
- Serial Activity LED
- 8 Push buttons

Rear Panel:
- Programming Port DB-9M
- 1 Serial Port DB-9M
- Discrete Inputs DB-37F
- Power Barrel Connector

Serial Port:
- RS-232C
- 300 baud - 38.4 kbaud
- 7, 8 or 9 Data Bits
- 1 or 2 Stop Bits
- All parity types

Inputs:
- (16) TTL inputs, internally pulled up to +5 VDC, suitable for contact-closure operation. Trigger latency <1 frame.

Show Memory:
- 32 Kbyte EEPROM. Nonvolatile, robust memory retains show data permanently with no battery backup required.

CATALOG NUMBER	DESCRIPTION	FIBER CAPACITY	CARTON QTY.
14.0110	Fiber tight connector	25	1
14.0120	Fiber tight connector	75	1
14.0130	Fiber tight connector	150	1
14.0160	Fiber tight connector	450	1
14.0140	Fiber tight connector	300	1
14.0170	Fiber tight connector	550	1

CATALOG NUMBER	DESCRIPTION	CARTON QTY.
14.0008	Holds and secures SV8EGW fiber for backlit "halo" sign and channel letters	1
14.0009	For SV12EG Cable	1

FIBER HEADS

CATALOG NUMBER	DESCRIPTION	CARTON QTY.
SVFH500KIT*	Fiberhead for illuminators: SV1500 discontinued SV2000 discontinued	1

**Available special order*

CATALOG NUMBER	DESCRIPTION	CARTON QTY.
SVFH500EC	Fiberhead for illuminators: Fits illuminators: SV1500 with new port, FIBERPRO and ECLIPSE II	1
SVFH500HT-1	Fiberhead for illuminator: SV150T	1
18.0056	Fiberhead for SV750EG, STARPRO	1
SVFH756KIT	Upgrade Kit for SV150T	1
SVFH750SG	SV750 Fiberhead Kit SideGlow® 300 Fiber capacity	1
SVFH600KIT	600 fiber capacity for SV1500, FIBERPRO and ECLIPSE II	1

COLOR WHEELS

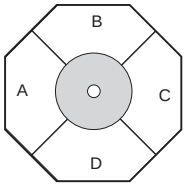
CATALOG NUMBER	DESCRIPTION	MATERIAL	CARTON QTY.
4S-SB	4 colors - standard	Glass	1
4C-SB	4 colors - (choose)	Glass	1
8S-SB	8 colors - standard	Glass	1
8C-SB	8 colors - (choose)	Glass	1
SVDIMWHEEL	Dimming wheel for standard units	Metal	1
SVDIMWHEELNEW	Dimming wheel for dimming system	Glass	1
SVDIMWHEEL180	Dimming wheel for SV1500, SV2000	Metal	1
ECWMS	Sparkle wheel for SV1500, SV200	Metal	1

When ordering replacement colors wheels, specify the illuminator model and control system, if applicable.

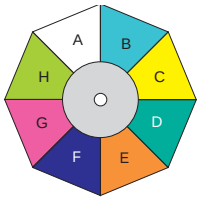
4 COLOR WHEEL - GLASS
Standard Colors:
A • White #0
B • Hot Pink #3
C • Lime Green #12
D • Cyan #8

6 COLOR WHEEL - GLASS
*For SV150T Only

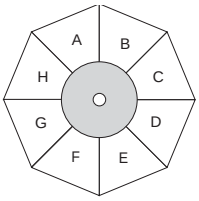
Standard Colors
A • Clear (white) #0
B • Cyan #8
C • Yellow #13
D • Turquoise #9
E • Orange #15
G • Hot Pink #3



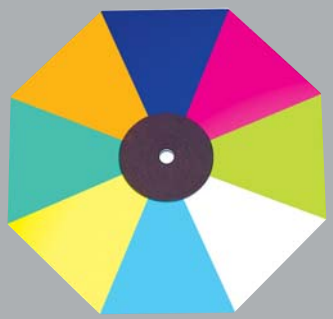
Custom 4-Color Wheel
A • _____
B • _____
C • _____
D • _____
(Note color & number)



8-Color Wheel Standard Colors
A • Clear (white) #0
B • Cyan #8
C • Yellow #13
D • Turquoise #9
E • Orange #15
F • Dark Blue #5
G • Hot Pink #3
H • Lime Green #12



Custom 8-Color Wheel
A • _____
B • _____
C • _____
D • _____
E • _____
F • _____
G • _____
H • _____
(Note color & number)

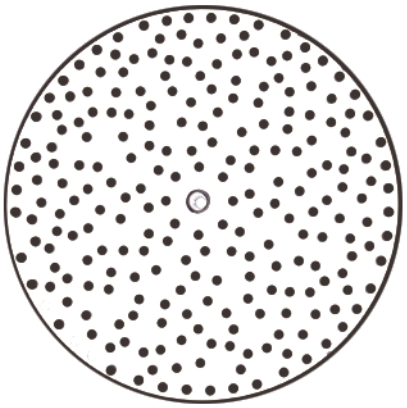


8 COLOR WHEEL - GLASS
Standard Colors
A • Clear (white) #0
B • Cyan #8
C • Yellow #13
D • Turquoise #9
E • Orange #15
F • Dark Blue #5
G • Hot Pink #3
H • Lime Green #12

DIMMING WHEEL
For dimming system only

DIMMING WHEEL
SVDIMWHEEL180

SPARKLE WHEEL
ECWMS



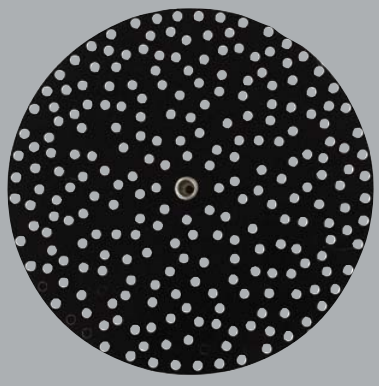
ESG
Standard Grey Wheel

EC
Clear Wheel

CATALOG NUMBER	DESCRIPTION	MATERIAL	CARTON QTY.
ESTDC	Standard color wheel	Lexan	1
ESTDS	Standard sparkle wheel	Lexan	1
EWS	White sparkle wheel	Lexan	1
ESG	Standard grey filter gel	Lexan	1
EC	Clear wheel	Lexan	1
COLORWHEEL	4 custom colors (specify)	Lexan	1
COLORWHEEL8	8 custom colors (specify)	Lexan	1

ESTDC
Standard Color Wheel

ESTDS
Standard Sparkle Wheel



EWS
White Sparkle Wheel

Lexan Color Wheels

4.5” diameter Lexan Color Wheel for SV POP signs

F I X T U R E S

I C E L A N D

Fixtures

Fiber optics lighting advantages include the ability to locate light emitting fixtures in locations where traditional electric fixtures cannot be installed or in areas that are difficult or impossible to service. Because the illuminators can be mounted in a remote area and the fiber carries little or no heat, designers are free to create with fewer restrictions.

The popularity of fiber optics among designers include the color changing ability of fiber by the use of color filters, the special effects that can be produced through the use of color wheels, synchronous controllers and DMX systems.

SL-500 Series - Step Light

Maximum fiber capacity: 75 (.75mm)

Applications: Step, niche and accent lighting.

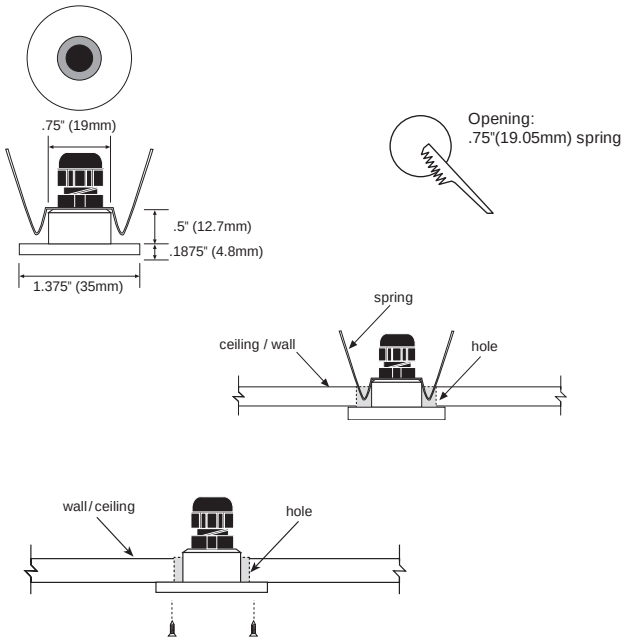
SL500

SL501

SL502

SL503

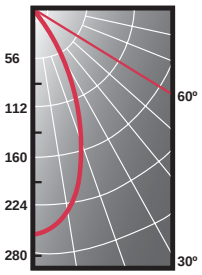
SL504



CATALOG NUMBER	DESCRIPTION	FINISH	FIBER CAPACITY
SL500	Step Light-spring	Brass	75
SL501	Step Light-spring	Aluminum	75
SL502	Step Light-spring	Aluminum-black	75
SL503	Step Light-spring	Aluminum-white	75
SL504*	Step Light-screw	Stainless-steel	75

* - Note: Allow for 4-6 weeks delivery special order item.

Candlepower Distribution



Test No. H46007

SV1500-40
Lamp=150W MH
Lumens=11,000

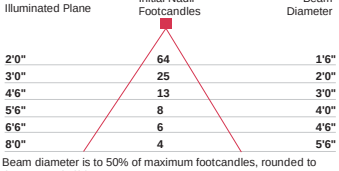
SV50EG
Strands=50
Length=15ft.

SVSL-500
Step Light

Spacing
Criterion=0.7
Efficiency=1.4%

Note:
[1] Efficiency shown for single cable and fixture. Total system efficiency is determined by multiplying the total number of cables and fixtures by efficiency.

Cone of Light



Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	64	1'6"
3'0"	25	2'0"
4'6"	13	3'0"
5'6"	8	4'0"
6'6"	6	4'6"
8'0"	4	5'6"

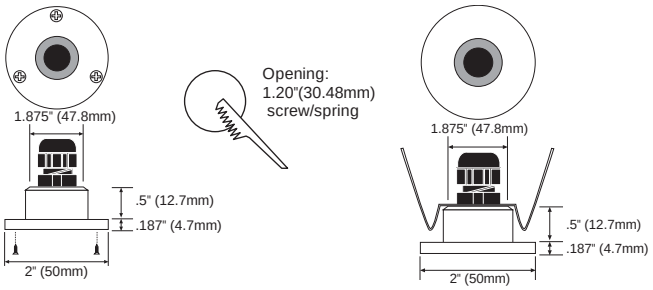
Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.

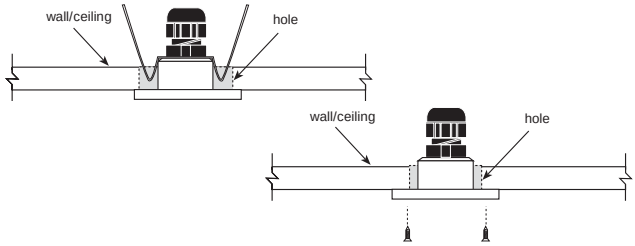
Footcandle values are initial, apply appropriate light loss factors where necessary.

FD-700 Series - Fixed Downlight

Maximum fiber capacity: 150 (.75mm)

Applications: Uplighting, wall grazing, downlighting



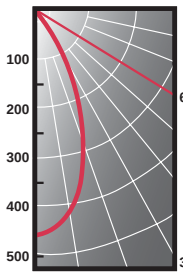


CATALOG NUMBER	DESCRIPTION	FINISH	FIBER CAPACITY
FD700SC	Fixed Downlight-screw	Brass	150
FD701SC	Fixed Downlight-screw	Aluminum	150
FD702SC	Fixed Downlight-screw	Aluminum-black	150
FD703SC	Fixed Downlight-screw	Aluminum-white	150
FD700SP	Fixed Downlight-spring	Brass	150
FD701SP	Fixed Downlight-spring	Aluminum	150
FD702SP	Fixed Downlight-spring	Aluminum-black	150
FD703SP	Fixed Downlight-spring	Aluminum-white	150

Note:

[1] Efficiency shown for single cable and fixture. Total system efficiency is determined by multiplying the total number of cables and fixtures by efficiency.

Candlepower Distribution



Test No. H46017

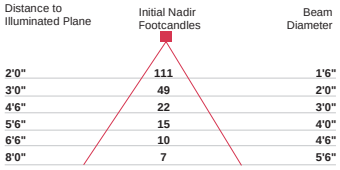
SV1500-40
Lamp=150W MH
Lumens=11,000

SV75EG
Strands=75
Length=15ft.

SVSL-700
Fixed Downlight

Spacing
Criterion=0.7
Efficiency=2.8%

Cone of Light



Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	111	1'6"
3'0"	49	2'0"
4'6"	22	3'0"
5'6"	15	4'0"
6'6"	10	4'6"
8'0"	7	5'6"

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.

Footcandle values are initial, apply appropriate light loss factors where necessary.

FD700SC

FD701SC

FD702SC

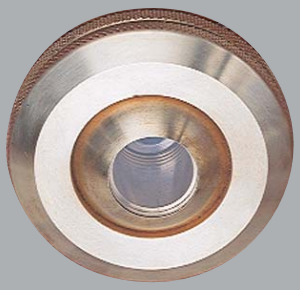
FD703SC

FD700SP

FD701SP

FD702SP

FD703SP



EB900

EB901

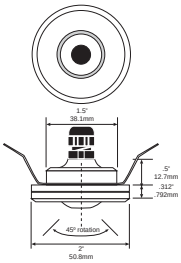
EB902

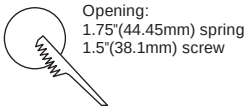
EB903

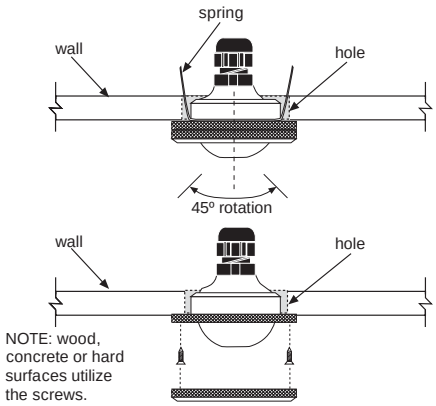
EB-900 Series - Eyeball Lens

Maximum fiber capacity: 75 (.75mm)

Applications: Source adjustable lens—display cases, wall washing, layered lighting effects.

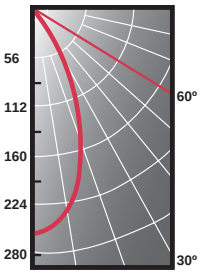






CATALOG NUMBER	DESCRIPTION	FINISH	FIBER CAPACITY
EB900	Eyeball Lens	Brass	75
EB901	Eyeball Lens	Aluminum	75
EB902	Eyeball Lens	Aluminum-black	75
EB903	Eyeball Lens	Aluminum-white	75

Candlepower Distribution



Test No. H46007

SV1500-40
Lamp=150W MH
Lumens=11,000

SV50EG
Strands=50
Length=15ft.

SVSL-500
Step Light

Spacing Criterion=0.7
Efficiency=1.4%

Note:

[1] Efficiency shown for single cable and fixture. Total system efficiency is determined by multiplying the total number of cables and fixtures by efficiency.

Cone of Light

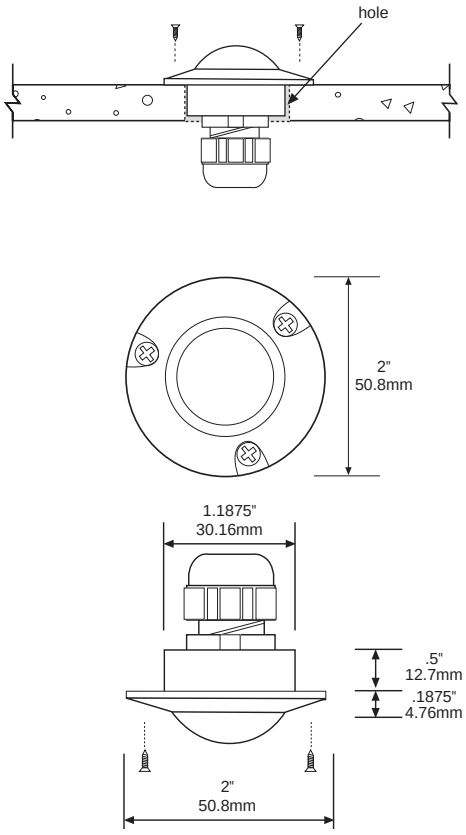
Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	64	1'6"
3'0"	25	2'0"
4'6"	13	3'0"
5'6"	8	4'0"
6'6"	6	4'6"
8'0"	4	5'6"

Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.

Footcandle values are initial, apply appropriate light loss factors where necessary.

SS400 Series - Stainless Steel Fixture
Maximum fiber capacity: 150 (.75mm)
Applications: Indoor/outdoor fixture

SS400



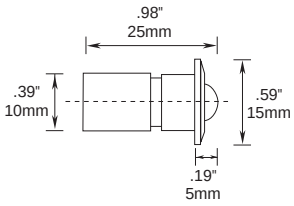
CATALOG NUMBER	DESCRIPTION	MATERIAL	FIBER CAPACITY
SS400	Screw-mounted fixture	Stainless steel	150

Note: Allow for 4-6 weeks delivery special order item
for quantities more than 20

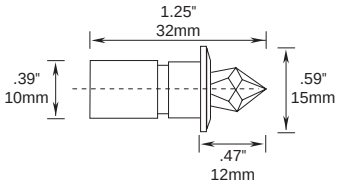
Maximum fiber capacity: 12 (.75mm)

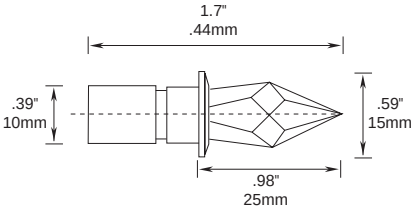
Applications: Decorative ceilings, artwork

DDF0001.01 (GOLD)
DDF0001.02 (NICKEL)

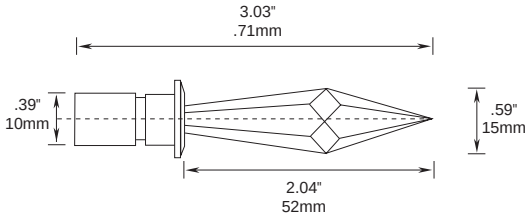


DDF0002.01 (GOLD)
DDF0002.02 (NICKEL)





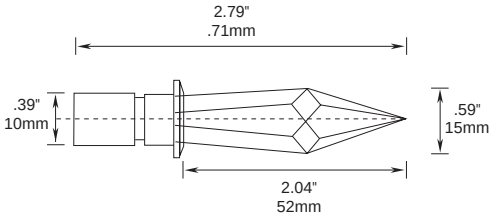
DDF0003.01 (GOLD)
DDF0003.02 (NICKEL)

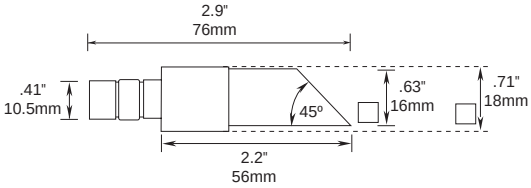


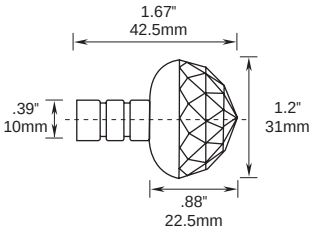
DDF0004.01 (GOLD)

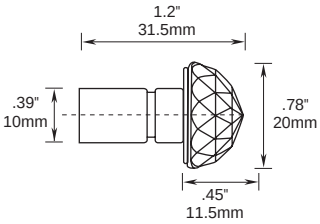
CATALOG NUMBER	DESCRIPTION	FINISH	FIBER CAPACITY
DDF0001.01	Light Point Crystal - convex, smooth	gold caps	12
DDF0001.02	Light Point Crystal - convex, smooth	nickel caps	12
DDF0002.01	12mm Star Crystal - small cut	gold caps	12
DDF0002.02	12mm Star Crystal - small cut	nickel caps	12
DDF0003.01	25mm Star Crystal - medium small cut	gold caps	12
DDF0003.02	25mm Star Crystal - medium small cut	nickel caps	12
DDF0004.01	36mm Star Crystal - medium cut	gold caps	12

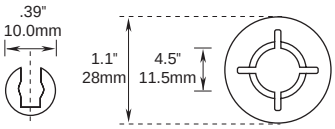
Note: 2 week lead time on most orders











CATALOG NUMBER	DESCRIPTION	FINISH	FIBER CAPACITY
DDF0005.01	52mm Star Crystal - large cut	gold	12
DDF0006.01	45° Prism	nickel	12
DDF0007.01	Dome - large, 30mm	nickel	12
DDF0008.01	Dome - medium, 20mm	gold	12
DDF0008.02	Dome - medium, 20mm	nickel	12
DDF0009.01	Mounting sleeve - order separately	plastic	12

Note: 2 week lead time on most orders

DDF0005.01 (GOLD)

DDF0006.01 (NICKEL)

DDF0007.01 (NICKEL)

DDF0008.01 (GOLD)
DDF0008.02 (NICKEL)

DDF0009.01 (MOUNTING SLEEVE)
order separately

SVWNF-WHITE
(PLASTIC BULLSEYE LENS)

SVWNFC-WHITE
(CONVEX GLASS LENS)

SVWNFF-WHITE
(GLASS BULLSEYE LENS)

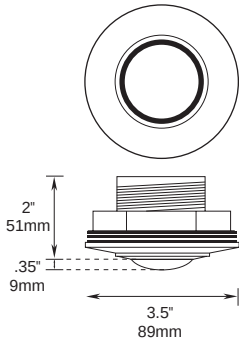
SVLKEY2

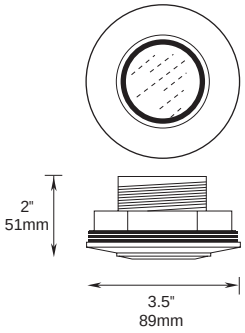
Underwater Lens

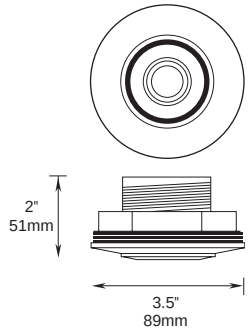
Maximum fiber capacity: 300(.75mm)

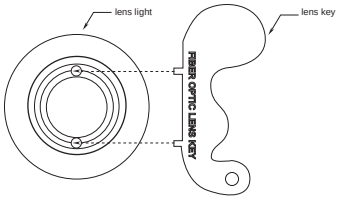
Description: White, PVC housing

Applications: Underwater lenses for pools, spas and fountains.









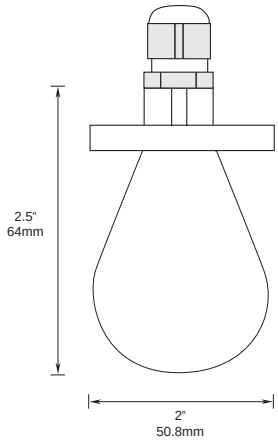
CATALOG NUMBER	DESCRIPTION	FIBER CAPACITY
SVWNF	Plastic “bullseye” lens	300
SVWNFF	Flat glass flood lens	300
SVWNFC	Convex glass spot lens	300
SVLKEY2	Aluminum lens key	N/A

Note 1: Specify for gunite/concrete, fiberglass or vinyl liner pools when ordering.
Note 2: Black housing available, must specify at time of order.

Marquee Lamp for fiber optics

Description: **Acrylic fiber optic fixture designed after traditional theater marquee bulbs.**

Applications: **Marquees, Decorative perimeter lighting, Replacement lamp for decorative lighting fixtures**

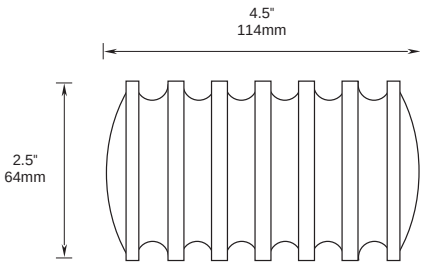


SVBFROSTED
(ACRYLIC MARQUEE BULB)

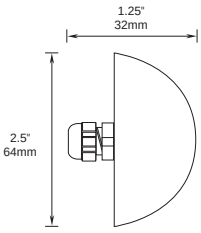
Feature Light

Description: **Acrylic feature light with a maximum fiber capacity of 75**

Applications: **Step light, decorative wall fixture, fountain light.**



Feature Light - Front View



Feature Light - Side View

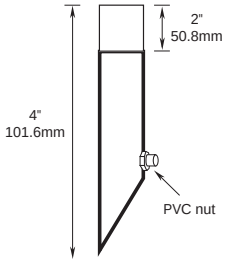
SVF100
(ACRYLIC FEATURE LIGHT)

CATALOG	DESCRIPTION QTY	CARTON NUMBER
SVF100	Acrylic feature light	1
SVBCLEAR	Clear acrylic bulb	1
SVBFROSTED	Frosted acrylic bulb	1
SVBFROSTED/FIL	Frosted acrylic bulb with filament	1

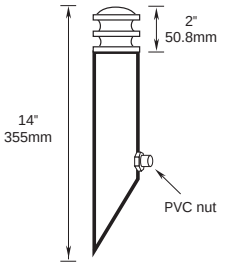
PATH LIGHTS

Sierra Decorative Pathway lights provide all the benefits of fiber optic lighting and are easy to install and maintain. Used for marking exterior paths, walkways, drives and landscaping beds, they carry no electricity to the fixtures, making them extremely safe and durable.

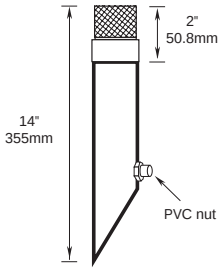
SVL100 PLAIN



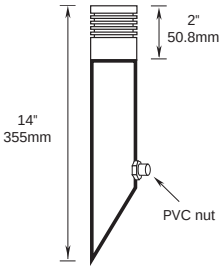
SVL101 TIER



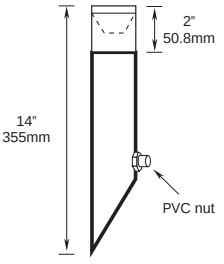
SVL102 KNURLED

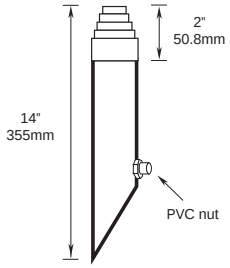


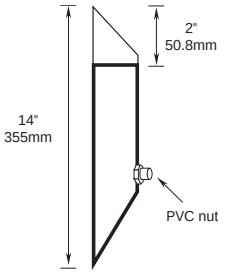
SVL103 GROOVE

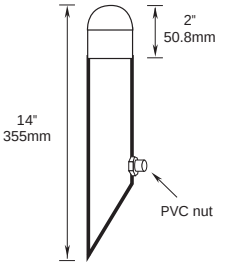


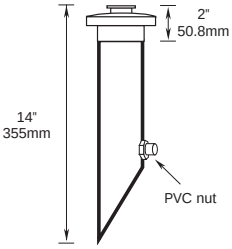
SVL104 INVERTED











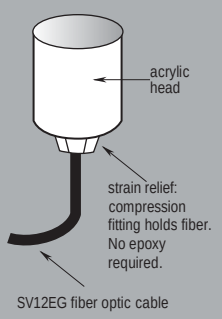
CATALOG NUMBER	PATHLIGHT DESCRIPTION	MATERIAL	FIBER CAPACITY
SVL100	Plain	Acrylic head/PVC body	75
SVL101	Tier	Acrylic head/PVC body	75
SVL102	Knurled	Acrylic head/PVC body	75
SVL103	Groove	Acrylic head/PVC body	75
SVL104	Inverted	Acrylic head/PVC body	75
SVL105	Pyramid	Acrylic head/PVC body	75
SVL106	Slanted	Acrylic head/PVC body	75
SVL107	Bolero	Acrylic head/PVC body	75
SVL108	Lantern	Acrylic head/PVC body	75

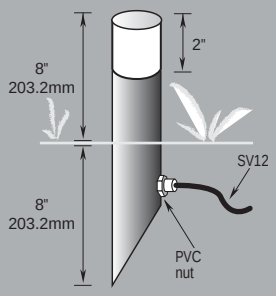
SVL105 PYRAMID

SVL106 SLANT

SVL107 BOLERO

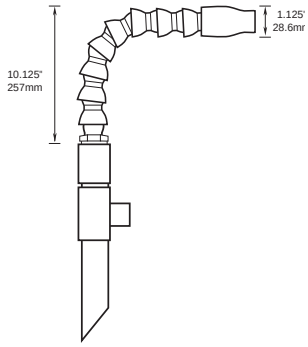
SVL106 LANTERN



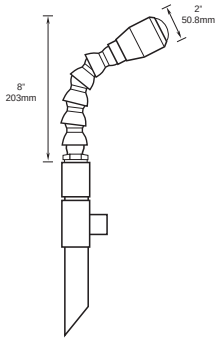


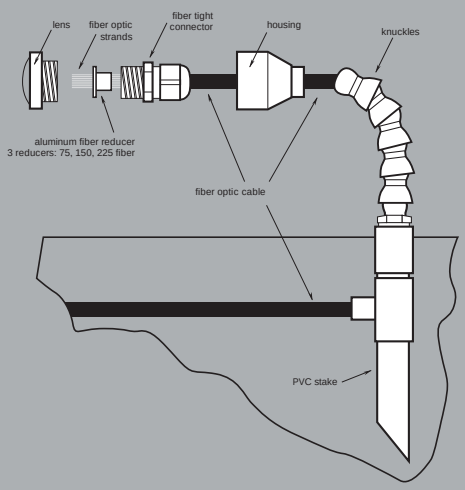
A flexible, powerful new uplight for landscaping and outdoor architectural use is a breakthrough in fiber optic technology. Never before have fiber optics been available with this level of lighting output. All the power of traditional lighting plus the benefits of fiber optics in a dynamic combination.

SVA200 ACCENT LIGHT



SVA205 FLOODLIGHT



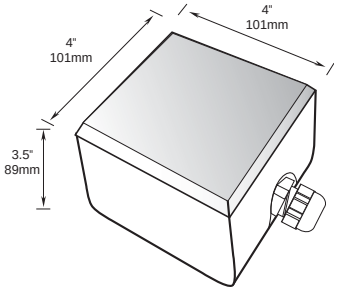


CATALOG NUMBER	DESCRIPTION	MATERIAL	CARTON QTY.	FIBER CAPACITY
SVA200	Flexible accent light	Plastic lens, black pvc body	1	75
SVA205	Flexible floodlight	Glass lens, black pvc body	1	150

A205 Flood Lighting Installation Guide

1. Bring the cable through the unit.
2. Strip approximately 1" of the jacket of the cable and feed it through the fiber tight connector so the fibers protrude about .75" (19.05mm).
3. Tighten the fiber tight connector making sure the cable is snug and will not easily pull out.
4. Cut the fiber at the aluminum fiber reducer with a hot knife.
5. Re-attach the lens to the housing before you snap the housing back onto the knuckles.
6. The A205 is now ready for placement.

PAVER LIGHTS

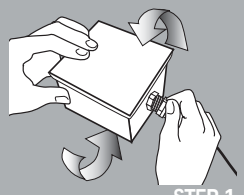


SVPAVER4X4

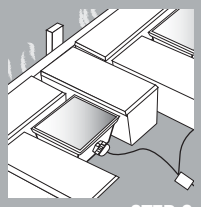
CATALOG NUMBER	DESCRIPTION	MATERIAL	FIBER CAPACITY
SVPAVER4X4	Inground paver light	Poly carbonate top and ABS base	25

Paver Installation Guide

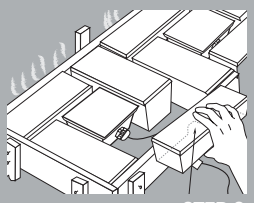
1. Thread the fibertight connector into the paver by rotating the paver around it.
2. Place the pavers firmly into the ground with the fiber optics attached and the coupler assembled. Lay bricks around the pavers.
3. Chisel out a notch in each paver that lays over the fibertight connector for the fiber optic cables.
4. Lay the chiseled brick over the fiber optic cable and connect the cable to a illuminator after the pavement is complete.



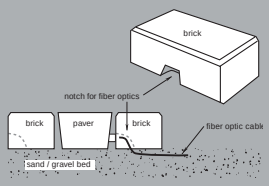
STEP 1



STEP 2

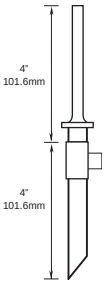


STEP 3



STEP 4

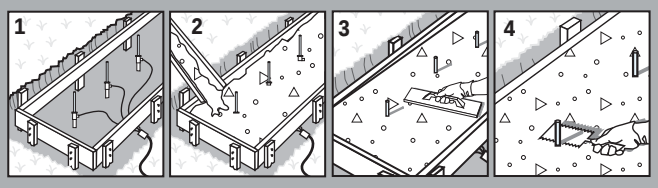
LIGHT STICKS



SVL300

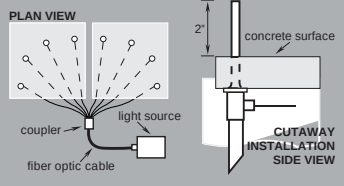
Acrylic Wand

CATALOG NUMBER	DESCRIPTION	MATERIAL	FIBER CAPACITY
SVL300Kit	Light Stick Kit	6 Acrylic wands, pvc body	4-12
SVL300	Light Stick	1 Acrylic wand, pvc body	4-12
SVC40	Saw		



Light Stick Installation Guide

1. Place light sticks firmly into the ground with the fiber optics attached and the coupler assembled. The top of the light stick should extend 2" above the final concrete grade.
2. Pour the concrete.
3. Finish the concrete.
4. When the concrete has set, cut the light stick flush at the concrete surface with a saw or a grinder. Use a sander to produce a smooth finish on the light stick.



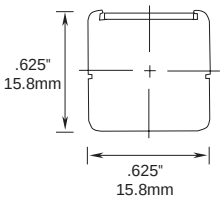
LIGHT BARS

The Fiber Optic Light Bar is a popular solution for edge lighting glass and acrylic, display cases or areas where traditional fixtures are difficult or impossible to install or service. Light bars provide high illumination without heat so they are ideal for confectionary, chocolate or cosmetic display cases, railing or under the cabinet lighting.

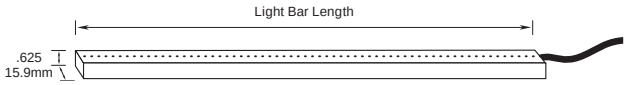
LB1

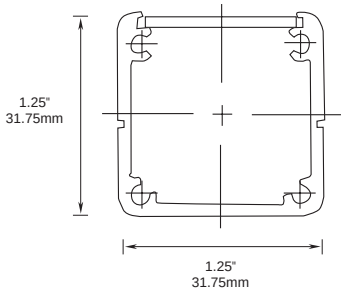
LB2

SWIVEL MOUNTING BRACKETS OPTIONAL



The LB1 is .625" (15.9mm) square extruded plastic.





The LB2 is 1.25" (31.8mm) finished aluminum with optional swivel mounting brackets.

CATALOG NUMBER	DESCRIPTION	BAR LENGTH	FIBER SPACING	HARNESS LENGTH
LB1	.625"(15.9mm) sq. plastic	12" - 3' (305mm x 914mm) 12" - 4' (305mm x 1219mm) 12" - 6' (305mm x 1829mm)	.25" (6.35mm) .5" (std) (12.7mm) 1" (25.4mm)	12"- 100' (305mm x 30480mm)
LB2	1.25"(15.875mm). sq aluminum	12" - 8' (305mm x 2438mm) 12" - 4' (305mm x 1219mm) 12" - 6' (305mm x 1829mm)	.25" (6.35mm) .5"(std) (12.7mm) 1" (25.4mm)	12"- 100' (305mm x 30480mm)
Call for part No.#'s for assembly (2 pieces)	Mounting Bracket for LB2	N/A	N/A	N/A

SV750	VOLTAGE	ENDGLOW COLOR WHEEL	CONTROL SYSTEM
75 Watt Quartz Illuminator	120 - 120 VAC, 60 Hz 220 - 220 VAC, 50 Hz	ESTDC - Standard (red, green, blue, yellow) ESTDS - Sparkle (red, green, blue, yellow) EWS - sparkle white ESG - standard grey (soft sparkle effect) EC - clear (no color) COLOR WHEEL (4 custom colors) COLOR WHEEL 8 (8 custom colors)	NONE

SPECIFICATIONS:

Fabric:

- Facing surface - 16oz. Black Commando Cloth, FR
- Lining - Black Ranger Cloth. FR

Fire Retardant Certification:

- NFPA 701 Small Scale. Certified in accordance with Rule 6.1 NYC Board of Standards and Appeals, Section C19 of the NYC Administrative Code, and NYC Fire Department Directive 1-78. State of California - Title 19.

Finished Curtain Weight:

- 0.22 lbs.. (0.09kg.) per square foot

Fiber Pattern Density:

- 1 circuit - 2.5 fibers per square foot
- 2 circuits - 3.12 fibers per square foot
- 3 circuits - 3.75 fibers per square foot

Fiber:

- Max. points per illuminator: 2500
- Fiber Tip Size - 0.75mm
- Protective Tubing Length (umbilical cord) - 5' (1524mm) = 60" x 25.4mm per inch
- Fiber Bushing - 1"D x 8"L
- Fiber Tube Location - centered, unless otherwise specified (alternate tube location may be charged at an additional rate)

Item:

- Standard Construction
- Commando/Ranger(2.25 fibers per sq. ft.)

Upgrade:

- STARPRO - see page 26.
- SV750 - see page 25.

CATALOG NUMBER	DESCRIPTION
SPECIAL ORDER, PLEASE CALL	Back-Lit fiber optic curtain

TOOLS & ACCESSORIES

TOOL TIPS

CUTTER

CATALOG NUMBER	DESCRIPTION	CARTON QTY
SVC50	Cutter for fiber optic cable	1 each

DRILL & BITS

CATALOG NUMBER	DESCRIPTION	CARTON QTY
Dremel	Hand-held drill for star ceilings	1 each
16.1072	Drill bit for fiber PAF20	1 each
16.1068	Drill bit for fiber PAF30	1 each
16.1059	Drill bit for fiber PAF40	1 each
16.1053	Drill bit for fiber PAF60	1 each
16.1047	Drill bit for fiber PAF80	1 each
16.1031	Drill bit for fiber PAF120	1 each

Bits sold separately – 10 bit packages

EPOXY

CATALOG NUMBER	DESCRIPTION	CARTON QTY
15.0030	epoxy (dry time 5 min.)	1 tube
15.0035	epoxy (dry time 70 min.)	1 tube
15.0000	gun	1 each
15.0001	nozzle	1 each

ROLLER TOOL

CATALOG NUMBER	DESCRIPTION	CARTON QTY
SVI/TOOL	Roller tool for easy and efficient installation of SideGlow® cable. Great for pushing cable into track. Protects cable and hands during installation. Features a cushion grip and 3 changeable rollers to fit all SideGlow® Cable sizes.	1 each

CATALOG NUMBER	DESCRIPTION	CARTON QTY
SVC30	Cordless butane hot knife for cutting fibers flush at the fiberhead or light fixtures.	1 each

CORDLESS HOT KNIFE

CATALOG NUMBER	DESCRIPTION	CARTON QTY
SVE30(120V) **SVE30220**(220V)	Electric hot knife for cutting fibers flush at the fiberhead or light fixtures.	1 each

ELECTRIC HOT KNIFE

CATALOG NUMBER	DESCRIPTION	CARTON QTY
16.0032 for SVC30 and SVE30220V	Replacement blade for hot knife	1 each
18.0400 for SVC31	Replacement blade for hot knife	

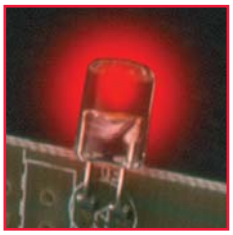
HOT KNIFE REPLACEMENT BLADE

CATALOG NUMBER	DESCRIPTION	CARTON QTY
SVC31	Top performing (upright) cordless hot knife for cutting fibers flush at the fiberhead or light fixtures.	1 each

UPRIGHT CORDLESS HOT KNIFE

LEDs - LIGHT EMITTING DIODES

ORLANDO, FLORIDA



LED'S

Most everyone is familiar with Light-Emitting-Diode (LEDs) from their use as indicator lights and numeric displays on consumer electronic devices and message boards. With improvements in LED materials and production, brighter, more efficient and more colorful LED's are now available which have moved the technology to a wide range of lighting applications.

LED's are solid-state semiconductor devices that convert electronic energy directly into light. LED's produce "cold" light which is very efficient because most the energy radiates in the visible spectrum. Incandescent, and to a lesser extent fluorescent lamps radiate energy in the non-visible spectrum creating heat as well as light.

By combining RGB (Red, Green, Blue) LED's, it is possible to create an entire spectrum of colors as well as white light - this is known as the "additive properties of light".

Color mixing is achieved by varying the voltages to each of the RGB color arrays. The controller for this color mixing may be either an external unit or it may be combined on or in the lighting unit itself.

FLEX-LED STRIP

AVAILABLE COLORS

DEEP RED
10.0300

CLEAR RED
10.0301

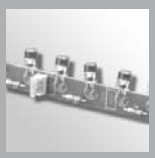
AMBER
10.0302

BLUE
10.0303

GREEN
10.0304

WHITE
10.0305

ORANGE
10.0306


LIGHT STRIP

JUMPER CABLE

POWER SUPPLY

MOUNTING CLIP

STARTER KIT

flexLEDs™ Patent Pending by Super Vision®

Flex-LED is a low voltage, flexible, monochromatic, LED strip designed specifically for illuminating channel or back-lit letters and logos. They are also well suited for linear lighting strips, architectural coves, display cases or other applications where an energy efficient light source is required. LEDs produce very little heat and have a lamp life expectancy of 100,000 hours (11 years) for red, clear-red, amber and orange - (6.8 yrs.) for white, green, and blue.

Features:
- Connect strips together via jumper cables
- 4 jumper sockets per strip for easy connection to other Flex-LED strips
- The Flex-LED strips can easily be cut every 3" (76mm)
- Bend radius: 1.5" (38mm)

The Flex-LED system:
1. The Flex-LED strip - available in 1 foot segments and 6 colors plus white
2. 12V power supply - available in a full range of wattage
3. Power/jumper cables to connect the strips together without solder!
4. Mounting clips for easy installation

Energy Efficient:
One 12" (305mm) red segment uses 1.5 watts per foot for red, clear red, amber and orange.
2.8 watts per foot for white, green, and blue.

Maximum distance for power cable to Flex-Led strip is 30 feet (10 m).

Power supplies are available in ranges from 60 to 300 watts.

Standards:
- UL / cUL / ETL

IP Rating: 0

- Must be used with a UL approved Class 2 power supply

CATALOG NUMBER	DESCRIPTION	CARTON QTY.
10.0300	red 12" flex-LED strip	1 foot
10.0301	clear red 12" flex-LED strip	1 foot
10.0302	amber 12" flex-LED strip	1 foot
10.0303	blue 12" flex-LED strip	1 foot
10.0304	green 12" flex-LED strip	1 foot
10.0305	white 12" flex-LED strip	1 foot
10.0306	orange 12" flex-LED strip	1 foot
FXPC4	4" jumper cable	1 foot
FXPC8	8" jumper cable	1 foot
FXPC12	12" jumper cable	1 foot
FXPC24	24" jumper cable	1 foot
FXPC48	48" jumper cable	1 foot
FXPC120	120" jumper cable	1 foot
EVPS25-UL	12V, 25 watt power supply, UL approved	1 each
EVPS60-UL	12V, 60 watt power supply, UL approved	1 each
EVPS60	12V, 60 watt power supply	1 each
EVPS150	12V, 150 watt power supply	1 each
EVPS300	12V, 300 watt power supply	1 each
FXCLIP	mounting clip	30 per bag
EVSTARTER KIT	Includes 10 clear red LED strips (10) 8" jumper cables (1) 25 watt paver supply (30) mounting clips	

ML/CH LIGHT BAR

Features:
- Indoor or outdoor versions (wet/dry)
- Monochromatic or RGB
- Energy saving 24 VDC, 10-25% over incandescent

Monochromatic Light Bar
- 4.2" & 12.6" increments up to 40ft. with a power supply at the end

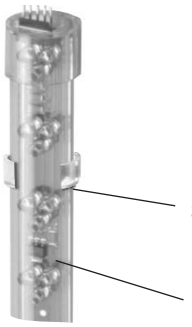
RGB Light Bar
- 6" & 12" up to 22 feet with lead wires from both ends into one power supply.

DMX
- 12 channel DMX control available

Applications:

cove lighting	steps/walkways
architectural	commercial/residential
building outlines	casinos
indoor/outdoor	under cabinet
signage	display cases
restaurants/bars	theaters/theme park

NOTE: A quote will only be provided based on a layout sent at the time of the quote request.

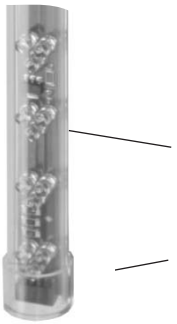


Endcaps terminate a section. Closed endcaps are sealed, open endcaps allow cable connection.

Snap on clip for easy mounting

Color options include:

- green
- amber
- red
- 5000K white (standard)
- red-orange
- blue
- 2800K white (special order 2-5wks.)



Tubular housing

Optional watertight fitting and cable strain relief for pass through cable can be installed on each end for attaching additional sections.

CATALOG NUMBER	DESCRIPTION	CARTON QTY.
ML-SERIES	monochromatic LED light bar	4.2" & 12.6" Bars
CL-SERIES	RGB LED light bar	6" & 12" Bars
EVPC5	specify length power cable	1 foot
03.0520	LED crossover adapter	1 each
EVPS60-24	60 watt power supply	1 each
EVPS150-24	150 watt power supply	1 each
EVPS300-24	300 watt power supply	1 each
11.0006	color controller CD100	1 each
11.0005	color controller CD200	1 each
11.3200	power distribution*	1 each
17.0001	Star Drive 3000 (LED DMX controller)	1 each
28.0013	mounting clip	

* To be used with 11.0006 and 11.0005

LED LIGHT BAR

AVAILABLE COLORS

RGB CL SERIES

RED ML-SERIES

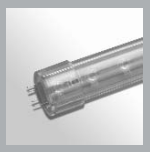
CLEAR RED ML-SERIES

AMBER ML-SERIES

GREEN ML-SERIES

BLUE ML-SERIES

WHITE ML-SERIES



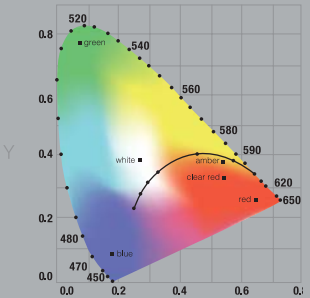
ML/CL SERIES

POWER CABLE

POWER SUPPLY

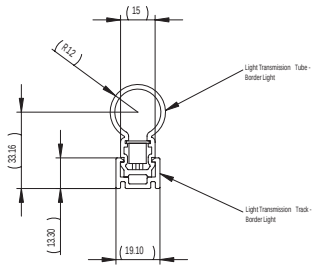
COLOR CONTROLLER

MOUNTING CLIP



Dashed line indicates areas within the capability for CL-Series RGB Light Bar

BORDER LIGHT



Border Light is a low voltage, flexible, monochromatic, LED strip designed specifically for illuminating channel or back-lit letters and logos. They are also well suited for linear lighting strips, architectural coves, display cases or other applications where an energy efficient light source is required. LEDs produce very little heat and have a lamp life expectancy of 100,000 hours (12 years) for red, clear-red, amber and orange - 60,000 hours for white, green, and blue.

Energy Efficient:
One 12" (305mm) red segment uses 1.5 watts per foot for red, clear red, amber and orange.
2.8 watts per foot for white, green, and blue.

Maximum distance for power cable to Flex-Led strip is 30 feet (10 m).

Power supplies are available in ranges from 60 to 300 watts.

(tested to UL48)

AVAILABLE TUBE COLORS

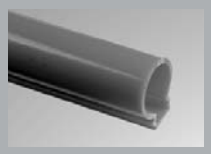
RED
EV0301

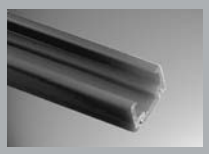
BLUE
EV0303

GREEN
EV0304

WHITE
EV0305

ORANGE
EV0306


TUBE


TRACK

ENDCAP

LED STRIP

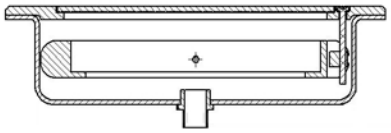
JUMPER CABLE

POWER SUPPLY

Border Light is sold as a complete assembly in either 4 or 8 foot sections which include: Tube, track, LED's, jumper cables and endcaps (2).

CATALOG NUMBER	DESCRIPTION	UOM
EV0301-4	Red LED Border Light assembly, 4 Ft	1each
EV0301-8	Red LED Border Light assembly, 8 Ft	1each
EV0303-4	Blue LED Border Light assembly, 4 Ft.	1each
EV0303-8	Blue LED Border Light assembly, 8 Ft.	1each
EV0304-4	Green LED Border Light assembly, 4 Ft.	1each
EV0304-8	Green LED Border Light assembly, 8 Ft.	1each
EV0305-4	White LED Border Light assembly, 4 Ft.	1each
EV0305-8	White LED Border Light assembly, 8 Ft.	1each
EV0306-4	Orange LED Border Light assembly, 4 Ft.	1each
EV0306-8	Orange LED Border Light assembly, 8 Ft.	1each
Power Supplies		
EVPS25- UL	12V, 25 Watt power supply, UL Listed (1 yr warranty)	1each
EVPS60-12 UL	60 W Class 2 UL LED power supply (5 yr warranty)	1each
EVPS60	12V, 60 Watt power supply, ETL Listed (1 yr warranty)	1each
EVPS150	12V, 150 Watt power supply, ETL Listed (1 yr warranty)	1each
EVPS300	12V, 300 Watt power supply, ETL Listed (1 yr warranty)	1each
End Caps		
28.2192	Green LED Border Tube End Cap	1each
28.2102	Red LED Border Tube End Cap	1each
28.2106	White LED Border Tube End Cap	1each
28.2120	Orange LED Border Tube End Cap	1each
28.2121	Blue LED Border Tube End Cap	1each
Jumper Cables		
FXPC1	1" jumper cable	1each
FXPC4	4" jumper cable	1each
FXPC8	8" jumper cable	1each
FXPC12	12" jumper cable	1each
FXPC24	24" jumper cable	1each
FXPC48	48" jumper cable	1each
FXPC120	120" jumper cable	1each

The LED Flood Light is a surface flush mounted .....



LED FLOOD LIGHT FIXTURE

Model Number: EV213WS & EV213WS-CLR

Dimensions: 9.8" (250mm) x 2.6" (67mm) (without gland/cable connector)
Fixture Diameter: 10.23" (260mm) / designed for 9.8" (250mm) hole
Depth: 2.28" (58mm) plus Kopex connector.
Glass: 96 units with clear Flat tempered glass and 524 units with lenticular tempered glass lens (ribbed)
Power supplies: DMX enclosure or interface supplied shall be 220/240 VAC. DMX 512 controlled, DMX controll card integrated in the power supply / DMX enclosure.

- Stainless Steel Housing
- Outdoor Installation
- Includes three mounting half turn clamps and fixed locking tab mechanism for each clamp.
- Title Degree to be controlled and adjusted using an adjustment screw mechanism
- DMX address switches secured under the cover
- Each fixture will have its own designated programming - addressable on site by programmer of choice.
- All cable shall be high rated shielded cable.
- The end of the cable will be provided without termination. Two XLR connectors and RJ45 connectors for each fixture shall be supplied seperately.
- Each fixture shall be supplied with Kopex cable connector at the bottom

Standards:
- UL

IP Rating: 56

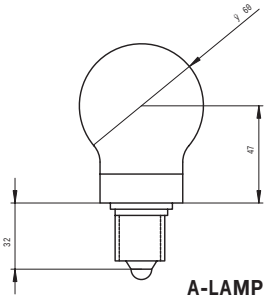
CATALOG NUMBER	DESCRIPTION	UOM
EV213WS	Indoor Outdoor LED Flush mount flood Light (ribbed glass lens) includes DMX control	1 each
EV213WS-CLR	Indoor Outdoor LED Flush mount flood Light (clear glass lens) includes DMX control	1 each

LED A-LAMP

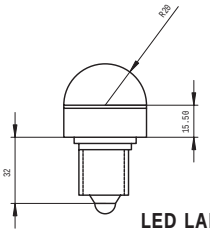
LED Lamp

Description: LED bulb with interchangable covers

Applications: Marquees, Decorative perimeter lighting, Signs



A-LAMP



LED LAMP WITH COVER

A-LAMP

LED LAMP CLEAR COVER

LED LAMP (LEFT) MOUNTING CLIP
A-LAMP COVER (TOP RIGHT)
LED LAMP DIMPLE COVER (MIDDLE RIGHT)
LED LAMP CLEAR COVER (BOTTOM RIGHT)

CATALOG	DESCRIPTION	UOM
RED		
EV0301	120V RED LED A-19 LAMP	1
EV0301-220	220V RED LED A-19 LAMP	1
EV0301C	120V RED LED LAMP; CLEAR COVER	1
EV0301C-220	220V RED LED LAMP; CLEAR COVER	1
EV0301D	120V RED LED LAMP; DIMPLE COVER	1
EV0301D-220	220V RED LED LAMP; DIMPLE COVER	1
AMBER		
EV0302	120V AMBER LED A-19 LAMP	1
EV0302-220	220V AMBER LED A-19 LAMP	1
EV0302C	120V AMBER LED LAMP; CLEAR COVER	1
EV0302C-220	220V AMBER LED LAMP; CLEAR COVER	1
EV0302D	120V AMBER LED LAMP; DIMPLE COVER	1
EV0302D-220	220V AMBER LED LAMP; DIMPLE COVER	1
BLUE		
EV0303	120V BLUE LED A-19 LAMP	1
EV0303-220	220V BLUE LED A-19 LAMP	1
EV0303C	120V BLUE LED LAMP; CLEAR COVER	1
EV0303C-220	220V BLUE LED LAMP; CLEAR COVER	1
EV0303D	120V BLUE LED LAMP; DIMPLE COVER	1
EV0303D-220	220V BLUE LED LAMP; DIMPLE COVER	1
GREEN		
EV0304	120V GREEN LED A-19 LAMP	1
EV0304-220	220V GREEN LED A-19 LAMP	1
EV0304C	120V GREEN LED LAMP; CLEAR COVER	1
EV0304C-220	220V GREEN LED LAMP; CLEAR COVER	1
EV0304D	120V GREEN LED LAMP; DIMPLE COVER	1
EV0304D-220	220V GREEN LED LAMP; DIMPLE COVER	1
WHITE		
EV0305	120V WHITE LED A-19 LAMP	1
EV0305-220	220V WHITE LED A-19 LAMP	1
EV0305C	120V WHITE LED LAMP; CLEAR COVER	1
EV0305C-220	220V WHITE LED LAMP; CLEAR COVER	1
EV0305D	120V WHITE LED LAMP; DIMPLE COVER	1
EV0305D-220	220V WHITE LED LAMP; DIMPLE COVER	1
ORANGE		
EV0306	120V ORANGE LED A-19 LAMP	1
EV0306-220	220V ORANGE LED A-19 LAMP	1
EV0306C	120V ORANGE LED LAMP; CLEAR COVER	1
EV0306C-220	220V ORANGE LED LAMP; CLEAR COVER	1
EV0306D	120V ORANGE LED LAMP; DIMPLE COVER	1
EV0306D-220	220V ORANGE LED LAMP; DIMPLE COVER	1
YELLOW		
EV0308	120V YELLOW LED A-19 LAMP	1
EV0308-220	220V YELLOW LED A-19 LAMP	1
EV0308C	120V YELLOW LED LAMP; CLEAR COVER	1
EV0308C-220	220V YELLOW LED LAMP; CLEAR COVER	1
EV0308D	120V YELLOW LED LAMP; DIMPLE COVER	1
EV0308D-220	220V YELLOW LED LAMP; DIMPLE COVER	1

STEP LIGHTING

SARASOTA, FLORIDA

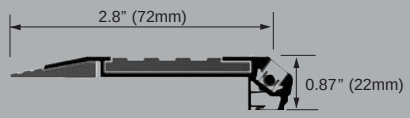
SideGlow® cable

Super Vision®'s beautifully designed Illuminated step-nosing profiles offer the very best in step safety lighting systems.

A strong and durable system, it is constructed of a light alloy aluminum and anti-slip polymer treads and it uses LED's to illuminate and a special solid-core fiber optics nose strip.

The FL 201 system has an integrated LED downlighting strip for illumination of the step as well. However, if step down lighting is all that is needed then the LED-FloodStrip may provide the solution.

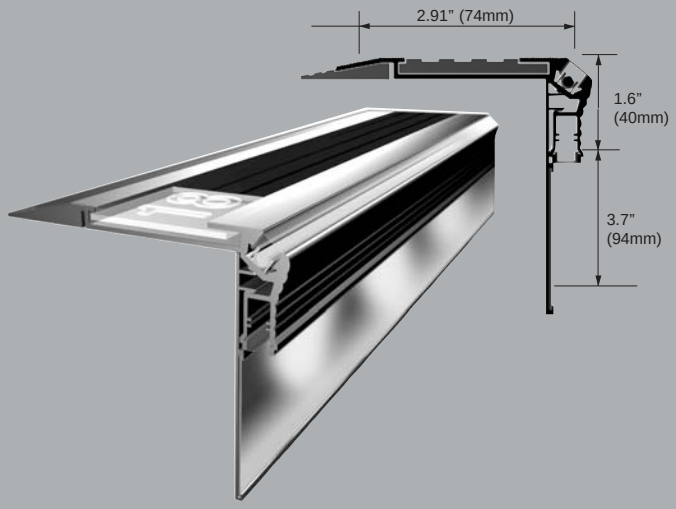
Both systems have an excellent tolerance for vibration, shock and repeated uses. They are ideal for existing steps or for new installations due to the simplicity of their design and installation requirements.



FL102

USES: STEP WITH ILLUMINATED NOSING
COLOR: BLACK/SILVER
LIGHT: LED + MONOFIBER

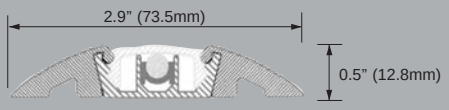
- Light alloy profile black or silver anodized with anti-slip surface and housing for fasteners to step. and precision connector. Available in blue, white, green, red or yellow.
- Solid core optical fiber with optimized transmission for side viewing.
- Continuous diffusing lens manufactured in pure, fire retardant polycarbonate.
- Polymer insert for installation without carpet.
- Semi-rigid PVC cable cover.
- Deep engraved number plate (without miniature illuminator set). Only up to two digits or letters.
- Injection molded end plate

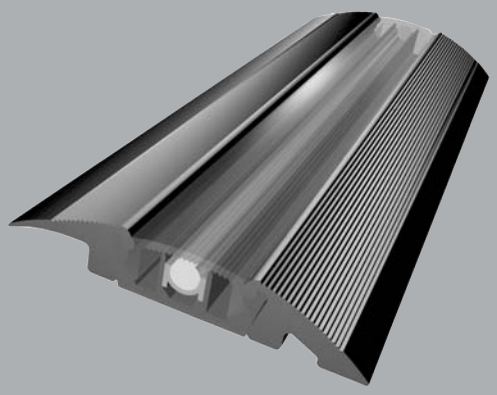


FL201

USES: STEP ILLUMINATED NOSING & LED DOWNLIGHT
COLOR: BLACK/SILVER
LIGHT: LED + MONOFIBER

- Light alloy profile black or silver anodized with anti-slip surface and housing for fasteners to step.
- Miniature illuminator set with solid state lamp (12/ 24 VDC) and precision connector. Available in blue, white, green, red or yellow.
- Solid core optical fiber with optimized transmission for side viewing.
- Continuous diffusing lens manufactured in pure, fire retardant polycarbonate.
- Polymer insert for installation without carpet.
- Semi-rigid PVC cable cover.
- Deep engraved number plate (without miniature illuminator set). Only up to two digits or letters.
- Injection molded end plate





FL301

USES: CORRIDORS, WALL TO CARPET, CARPET TO CARPET
COLOR: BLACK/SILVER
LIGHT: LED + MONOFIBER

- Light alloy profile black or silver anodized with anti-slip surface and housing for fasteners to step.
- Miniature illuminator set with solid state lamp (12/ 24 VDC) and precision connector. Available in blue, white, green, red or yellow.
- Solid core optical fiber with optimized transmission for side viewing.
- Continuous diffusing lens manufactured in pure, fire retardant polycarbonate.
- For installation and finished between two carpet finishes in floor and walls.
- For installation and finishes between one carpet and one wall.

CATALOG NUMBER	DESCRIPTION	CARTON QTY.
FL102	Step with illuminated nosing (Black/Silver) Light color-blue, white, green and yellow Power- 12 V or 24 VDC	1 foot
FL201	Step illuminated nosing & LED downlight (Black/Silver) Light color-blue, white, green and yellow Power- 12 V or 24 VDC	1 foot
FL301	Fiber LED light for corridors, wall to carpet, carpet to carpet (Black/Silver) Light color-blue, white, green and yellow Power- 12 V or 24 VDC	1 foot

NOTE: A quote will only be provided based on a layout sent at the time of the quote request.

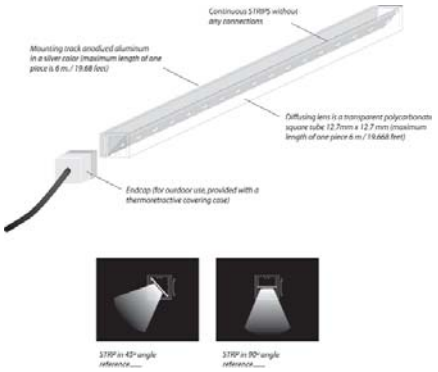
EVLFL FLOOD STRIP

"LFL" with one line of high brightness has been designed for indirect or direct lighting, both for indoor and outdoor applications.

LED LIGHT BAR

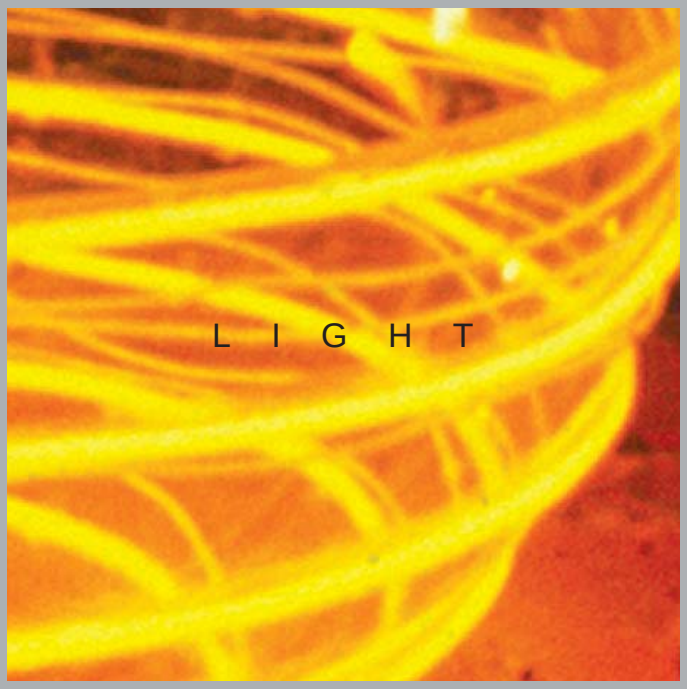
EVLFL FLOOD LIGHT FEATURES:

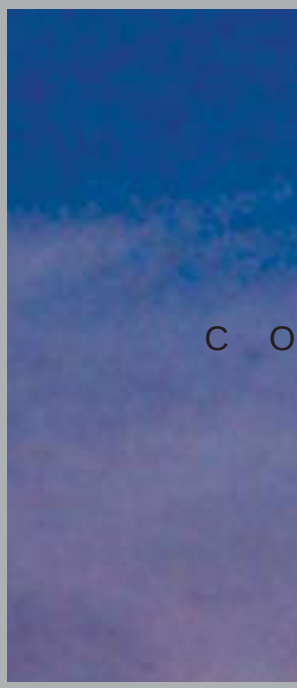
- Low voltage, flexible, monochromatic, LED strip is designed specifically for illuminating the LED flood light strip and has an excellent tolerance for vibrations and shocks, quite different from neon and other forms of fluorescent lighting.
- Has an extremely low energy consumption and works with low voltage, thus minimizing the effects of corrosion and electrolysis.
- Outfitted with LED's powered at 24 or 12 VDC with a life expectancy of approximately 100,000 hours, corresponding to a normal use of 11 years.
- Ideal for direct lighting of building perimeters, as well as for steps, walk-ways, furniture, coves, kitchens, casinos, theme-parks, restaurants, bars, hotels, signage and much more.



CATALOG NUMBER	DESCRIPTION	CARTON QTY
EVLFL	LED FLOOD STRIP- 45cm/ 17.71" Consumption per module- 2.4 W Maximum of modules with one power supply 35 modules = 15m/ 49.21" Power-12 VDC for white/ green/ blue 24 VDC for red/ amber Viewing angle - 120° with SMD 50° - 120° with LED of 3mm. according to choice	1 foot

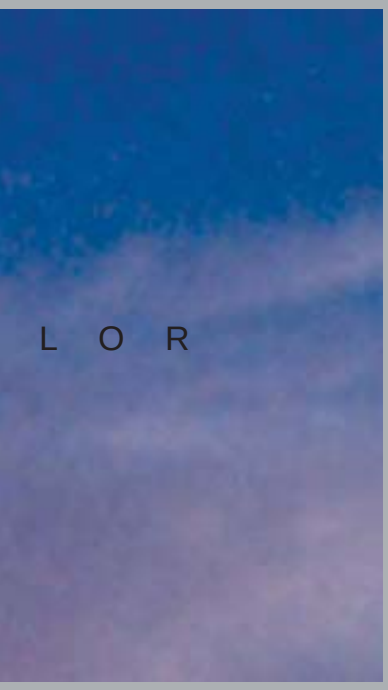
NOTE: A quote will only be provided based on a layout sent at the time of the quote request.





"Give light, and the darkness will disappear of itself."

– Desiderius Erasmus



"Imagination is more important than knowledge. Knowledge is limited. Imagination encircles the world."

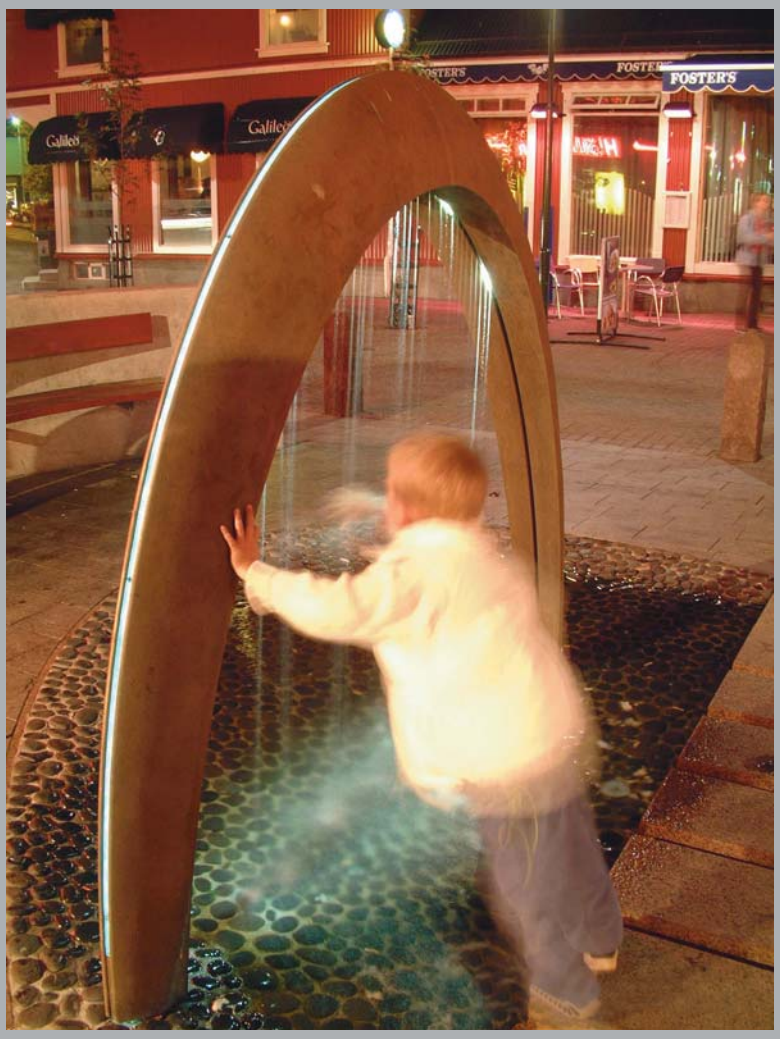
– Albert Einstein

WARREN LANGLEY

WARREN LANGLEY IS FROM SYDNEY, AUSTRALIA CREATES BOTH TEMPORARY AND PERMANENT SCULPTURAL WORKS USING REMOTE SOURCE LIGHTING TECHNOLOGY IN CONJUNCTION WITH LANDSCAPE AND ARCHITECTURE.

ALSO WELL KNOWN FOR HIS GLASS SCULPTURE, HE EXHIBITS HIS WORK AMONG MANY PRIVATE AND PUBLIC COLLECTIONS SUCH AS YORK'S CORNING MUSEUM, JAPAN, CANBERRA AND SYDNEY, AUSTRALIA'S POWERHOUSE MUSEUM. HIS WORK CAN ALSO BE SEEN THE IN THE US, CANADA, NEW ZEALAND, SWITZERLAND AND THROUGHOUT EUROPE.

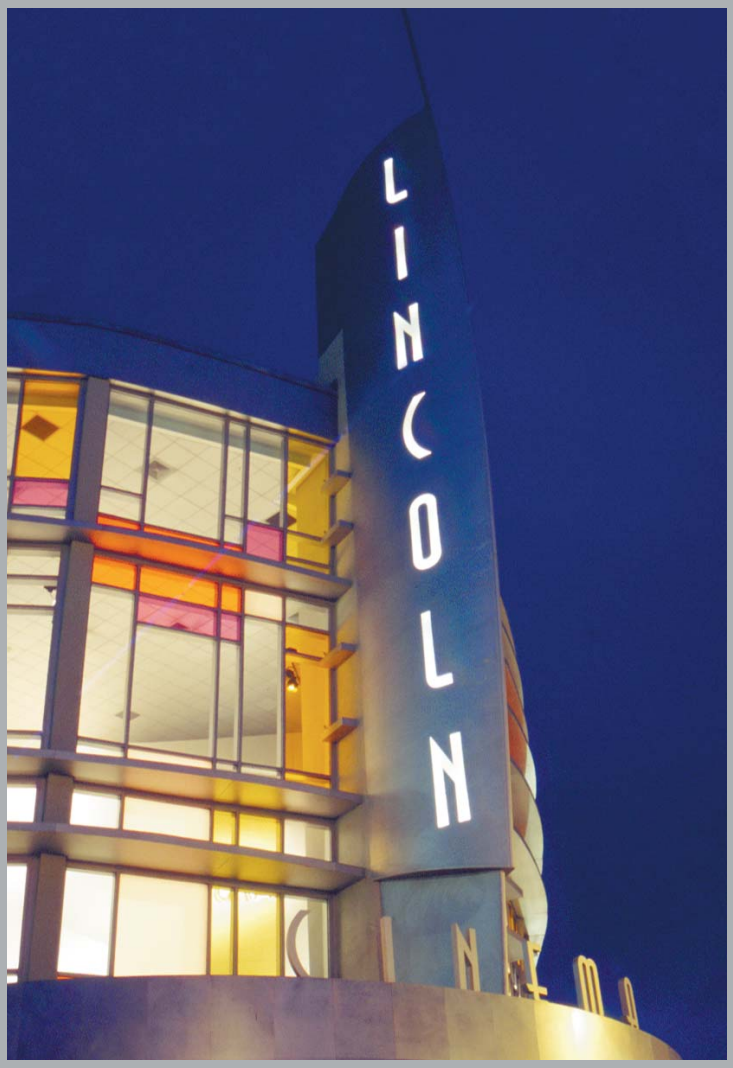
"The purest and most thoughtful minds are those which love color the most."
John Ruskin



"ART COMPLETES WHAT NATURE CANNOT BRING TO FINISH"
– ARISTOTLE

Just because everything is different doesn't mean anything has changed.
– Irene Peter

If you don't like something change it; if you can't change it, change the way you think about it.
– Mary Engelbreit



ARCHITECT: ZYCOVICH

This 110-foot, fiber optically-lit marquee is backlit after dark. Each letter is uplighted with three FD700 lenses each with 150 strands of fiber using a 150 watt metal Halide Illuminator for each letters' shadow box. The illuminators are connected to each other via a control system to synchronize the color change.

ARTIST:

?

The Van Wezel Theater in Sarasota, Florida uses Super Vision's Lighting for its step lighting and back lighting.

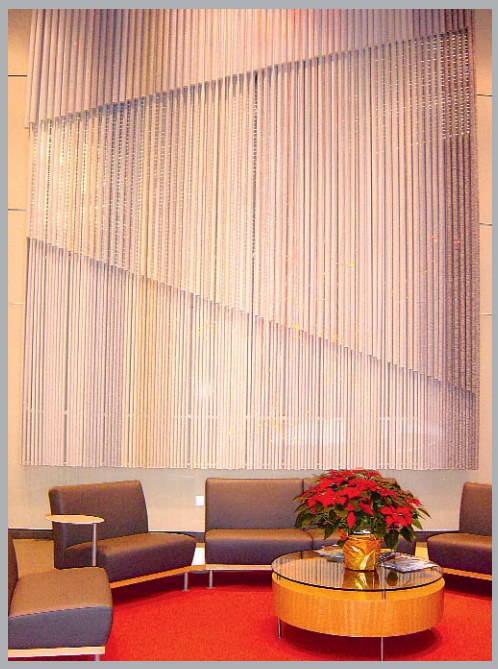
Imagination is intelligence having fun.

anonymous

Millenia Mall in Orlando Florida

"No amount of skillful invention can replace the essential element of imagination."
Edward Hopper

Dengsi, Iceland



ARTIST:

?

POPC

Left: Home Theater with red LED cove lighting.

Below: This original piece of carpet from the old MGM theater was transplanted in this home theater. Endpoint@ fibers were threaded through the carpet fibers to enhance the lion's image creating a dramatic and exciting lighting effect.

Warren langley .....

Less is more, except when it is not enough...

– unknown

SUPER VISION®'S NOVA FALL

"All materials are equally capable of miracles. "
Adolfo Natalini

Sculpture using Fiber Optics in The Millenia Mall, Orlando, Florida

Form and function are a unity, two sides of one coin. In order to enhance function, appropriate form must exist or be created.

– Ida P. Rolf