



Super Vision's headquarters and 80,000 square-foot manufacturing facility in Orlando, Florida USA with 3,000 square-feet dedicated to an application showroom and classroom.

# SUPER VISION INTERNATIONAL 2005

## INDEX

### **SaVi™ - architectural LED lighting**

SaVi Flood .....	6
SaVi Spot .....	8
SaVi Accent .....	10
SaVi Tube .....	12
SaVi Step Light .....	14
SaVi Flood Strip .....	16
SaVi Key Pad & Stand Alone Controller .....	18
SaVi Console .....	19

### **LED**

Flex-LED™ .....	20
Border Light™ .....	22
Portable Spa Lighting .....	24
Pool & Spa Lighting .....	26
Digital Lighting System .....	28
LED A-Lamp .....	29

## FIXTURES

Step Light .....	32
Fixed Down Light .....	34
Eyeball Fixture .....	36
ESDL Fixture.....	38
Stainless Steel Fixture .....	40
Crystals .....	42
Underwater Fixture .....	46
Specialty Fixtures .....	48
Path Lights .....	50
Accent/Flood Fixtures.....	52
Light Stick.....	54
Light Paver .....	56
Fiber Optic Curtain .....	58
Fiber Optic Light Bars .....	60

## FIBER OPTIC CABLES

SideGlow® cable .....	64
Ultra SideGlow® cable .....	68
EndGlow® cable.....	70
Endpoint Fiber .....	76
P-Clips & Cable Track .....	78
Fiber Optic Cable Tools .....	80

## FIBER OPTIC ILLUMINATORS

SV750 .....	84
SVSPA75.....	86
LifePro .....	88
StarPro.....	90
SV1500 .....	92
FiberPro .....	94
ES150 .....	96
Eclipse II .....	98
SV150T.....	100
SV300C .....	102
SV600C .....	103
Console DMX Controller .....	104
Connectors & Fiber Heads.....	105
Color Wheels.....	106

## WATERFALLS

Oasis Original Waterfall .....	112
Oasis Rainforest Waterfall.....	114
Oasis Arch Fall.....	116
Oasis Water Curtain .....	117
Oasis Starlight Rainforest Fall.....	118
Oasis Novafall .....	120

## FUNDAMENTALS

Lighting Basics .....	122
LED Basics .....	123
Fiber Optic Basics .....	124
Fiber Optic Installation .....	125

## PROJECT PROFILES

Lincoln Sign .....	126
Perimeter & Star Ceiling.....	127
Interior/Bar.....	128

## LEDs

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.

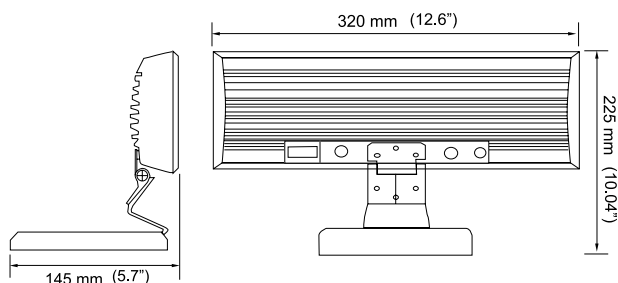
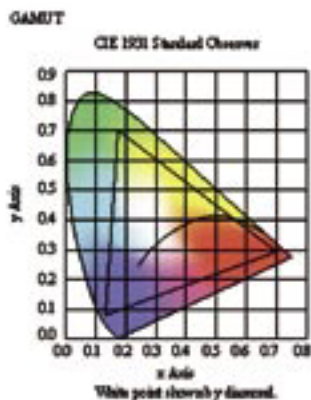


## SAVi™ ARCHITECTURAL LED LIGHTING

## SaVi Flood - Architectural Full Spectrum LED Fixture



SaVi™ Flood is a line voltage free standing full spectrum, red, green, and blue (RGB) light emitting diode (LED) fixture with self contained auto switching power supply. It is capable of 16 million colors and is fully controllable by DMX. Color effects include static colors, cross fade, chasing and single color rotation. The sealed housing is constructed of cast aluminum alloy. The position of the fixture can be set in a range of 0°–180°. The beam angle of the fixture is 45°.

**PRODUCT SPECIFICATIONS**

<b>Regular Working Voltage:</b>	AC90-264V
<b>Regular Current:</b>	MAX3A
<b>Regular Wattage:</b>	25W
<b>Water Protection Rating:</b>	IP65
<b>Color Range:</b>	Different brightness of red, green and blue combined to produce over 16 million colors.
<b>Light Source:</b>	High brightness LED (consists of 360 LEDs)
<b>Beam Angle:</b>	45°
<b>Light Spacing:</b>	5m (15')
<b>Control System:</b>	DMX512
<b>Housing Material:</b>	Cast aluminum alloy
<b>Connector:</b>	Standard 3pin XLR connector
<b>Operating Temperature:</b>	-20°C to 40°C (-4F to 104°F)
<b>Weight:</b>	9 lbs (4.1 kg)
<b>Dimension:</b>	L320mm x W145mm x H225 (L12.6" x W5.7" x H10.04")
<b>Warranty:</b>	2 years
<b>IP Rating:</b>	IP65

**COLOR MODES**

<b>Static Display:</b>	Capable of 16 million colors
<b>Flashing Change:</b>	Color transition from high brightness to low brightness
<b>Cross Fade:</b>	Colors alternate
<b>Color Chase:</b>	Colors chase one another
<b>Auto Color Rotation:</b>	Colors rotate automatically without DMX applied

\*All effects achieved through DMX programming.

**ORDERING INFORMATION****MODEL**

SaVi-F  
Architectural Full Spectrum RGB LED Fixture

**FIXTURE COLOR**

004 - Black  
003 - White

**FIXTURE COLOR**

120 - 120 volt  
240 - 240 volt

**ACCESSORIES**

02.6120 – DMX Signal Opto Amplifier/ Splitter – 120 volt  
02.6240 – DMX Signal Opto Amplifier/ Splitter – 240 volt

**CABLES**

17.1003 – 3 pin DMX cable - 3ft.  
17.1010 – 3 pin DMX cable - 10ft.  
17.1025 – 3 pin DMX cable - 25ft.  
17.1050 – 3 pin DMX cable - 50ft.

SAVI™ ARCHITECTURAL LED LIGHTING  
SaVi Flood - Architectural Full Spectrum LED Fixture

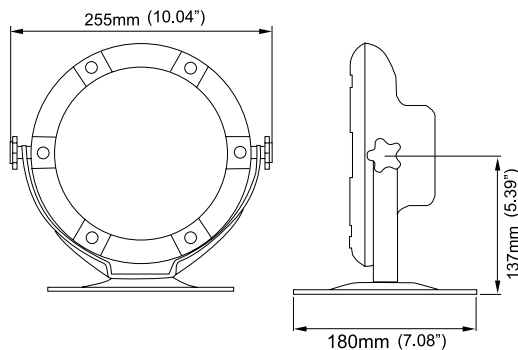
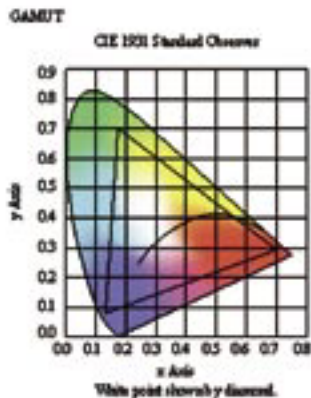


## SAVi™ ARCHITECTURAL LED LIGHTING

## SaVi Spot - Versatile Full Spectrum RGB LED Fixture



SaVi™ Spot is a high lumen output water LED lighting fixture. It is the ideal fixture for both indoor, outdoor, and underwater applications that require full color mixing capabilities such as fountains, pools, landscapes, theme parks, exhibitions, commercial and architectural applications. SaVi Spot has a protection rating of IP68. It's stainless steel construction meets UL 676 and is water submersible. SaVi Spot utilizes proprietary triple water proofing technology making water intrusion virtually impossible. SaVi™ Spot is available in various beam angles, including 10°, 25° (standard), 45°, 60°, and 90°. The fixture can be controlled by any DMX controller.

**PRODUCT SPECIFICATIONS**

<b>Color combination:</b>	16.7 million colors at 24 bit RGB additive color mixing
<b>Light Source:</b>	High Power LEDs
<b>Available Beam Angles:</b>	10°, 25° (standard), 45°, 60°, 90°
<b>Housing:</b>	Stainless Steel
<b>Protective Rating:</b>	IP68
<b>Control System:</b>	DMX512
<b>Cabling:</b>	Multi-core control/ data cable
<b>Power Consumption:</b>	25 watts at 12 VDC
<b>Submersion Depth:</b>	5 meters (15 feet)
<b>Temperature environment:</b>	-20°C to 40°C (-4°F to 104°F )
<b>Dimension:</b>	255mm(W) x 220mm(D) x 245mm (H) 10.04"(W) x 8.66"(D) x 9.64"(H)
<b>Weight:</b>	7 lbs (3.1 kg)
<b>Warranty:</b>	2 years
<b>Voltage Rated:</b>	12 VDC
<b>Power Consumption:</b>	25W
<b>Protection Rating:</b>	IP68

**COLOR MODES**

<b>Fixed Color:</b>	Single static color display
<b>Color Wash:</b>	Color change
<b>Cross Change:</b>	Two color interchanging cycles
<b>Random change:</b>	Color changes in random orders
<b>Fixed Color Strobe:</b>	A rapid strong flash of light in a single color
<b>Variable Color Strobe:</b>	A sequence of color appears in a series of strong flash in variable colors

\* All effects achieved through DMX programming

**ORDERING INFORMATION****MODEL**

- SaVi-S-001 - Stainless Steel Indoor/Outdoor/Water Submersible RGB LED Fixture
- SaVi-S-004 - Aluminum/Black/Indoor/Outdoor/Water Submersible RGB LED Fixture - Non-UL

**VOLTAGE**

- 120 - 120 volt
- 240 - 240 volt

**BEAM ANGLE**

- \*10 - 10° Beam Angle
- 25 - 25° Beam Angle (Standard)
- \*45 - 45° Beam Angle
- \*60 - 60° Beam Angle
- \*90 - 90° Beam Angle
- \* 8-10 week lead time

**ACCESSORIES**

- 02.5000 - Universal Power Supply (1 per six SaVi™ Spots)
- 14.5000 - Junction Box (1 per six SaVi™ Spots)
- SaVi-SC120 - Smart controller 120 volt
- SaVi-SC240 - Smart controller 240 volt

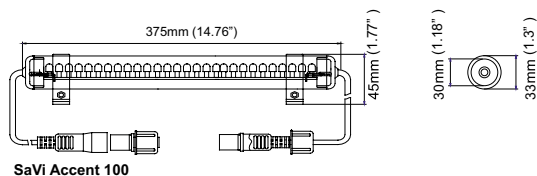
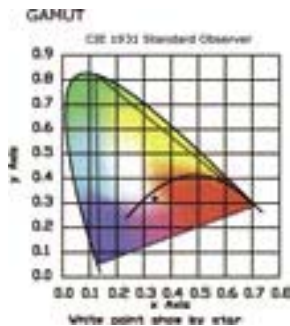
SAVI™ ARCHITECTURAL LED LIGHTING  
SaVi Spot -Versatile Full Spectrum RGB LED Fixture



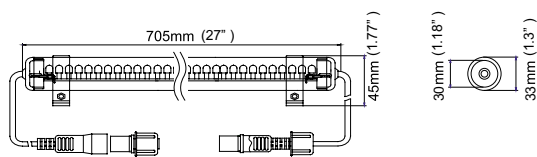
## SaVi Accent - Linear RGB LED Tube



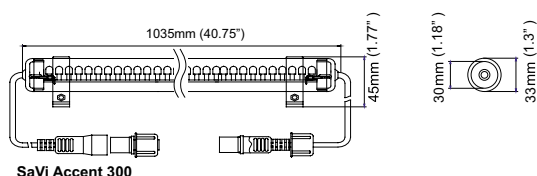
SaVi™ Accent RGB LED linear lighting tube is a low voltage Indoor/Outdoor rated system. SaVi™ Accent tube uses high brightness red, green, and blue LED's as its illumination source. The 24V tube can be controlled and powered by a pre-programmed stand alone controller that is DMX compatible. The tube is constructed of durable polycarbonate with 45 high power LEDs per foot.



SaVi Accent 100



SaVi Accent 200



SaVi Accent 300

**PRODUCT SPECIFICATIONS**

<b>Color combination:</b>	3 primary, 3 secondary, white, fades, strobes
<b>Light Source:</b>	45 High Power LEDs / FT
<b>Available Beam Angle:</b>	85°X40°
<b>Luminance Flux:</b>	21.3 lm
<b>Protective Rating:</b>	IP64
<b>Rated Power:</b>	3.5W per foot
<b>Rated Current:</b>	0.29A per foot
<b>Rated Voltage:</b>	24VDC
<b>Dimensions:</b>	45mm(W) x 1035mm(L) x 45mm(H) 1.77"(W) x 40.75"(L) x 1.77"(H)
<b>Weight:</b>	0.44 lbs (0.2 kg)
<b>Temperature Range:</b>	-20°C to 45°C (-4°F to 104°F)
<b>Max Connectable Unit No.:</b>	60 units - Accent 100
<b>Control System:</b>	SaVi-181-120/SaVi-181-240
<b>Warranty:</b>	2 years
<b>Voltage Rated:</b>	24 VDC
<b>Power Consumption:</b>	3.5W per foot
<b>Protection Rating:</b>	IP64
<b>Construction:</b>	Clear polycarbonate tube

**COLOR MODES**

- 7 color change mode in sequence
- 7 color flash mode in sequence
- 7 color fade mode in sequence
- 7 color change mode in sequence  
(mixing modes of jumping, flashing and fading)
- Red, Green, Blue intensity adjustment
- Color changing speed adjustment
  - \* Optional DMX triggering

**ORDERING INFORMATION****MODEL**

- SaVi Accent-100 - 375mm (11.76") length tube
- SaVi Accent-100E - 375mm (11.76") length tube - 240-24V
- SaVi Accent-200 - 705mm (27") length tube
- SaVi Accent-200E - 705mm (27") length tube - 240-24V
- SaVi Accent-300 - 1035mm (40.75") length tube
- SaVi Accent-300E - 1035mm (40.75") length tube - 240-24V

**VOLTAGE**

- 120 - 120 volt
- 240 - 240 volt

**CONTROL SYSTEM**

- SaVi-181-120
- SaVi-181-240

**ACCESSORIES**

- 28.8006 - Mounting Clips
- Extension Cables**
- 17.4002 - 2' cable
- 17.4005 - 5' cable
- 17.4010 - 10' cable

**ADAPTERS**

- 16.6004 - 3 pin XLR DMX male adapter
- 16.6005 - 3 pin XLR DMX female adapter

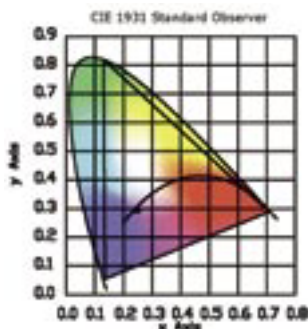
SAVI™ ARCHITECTURAL LED LIGHTING  
SaVi Accent - Linear RGB LED Tube



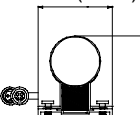
## SaVi Tube - Special Effect Full Spectrum LED Lighting Tube



SaVi™ Tube produces a vast array of color effects using red, green, and blue LEDs integrated with micro-electronic technology and digital technology encased in a high quality milky white polycarbonate tube mounted on an aluminum base. Lighting effects include color chasing, color fading, gray scale change, flash with adjustable speed, and DMX capabilities for even further flexibility. Includes a built in transformer allowing easy installation without the need for separate power components. SaVi™ Tube comes with an independent DMX control system with pre-program effects.

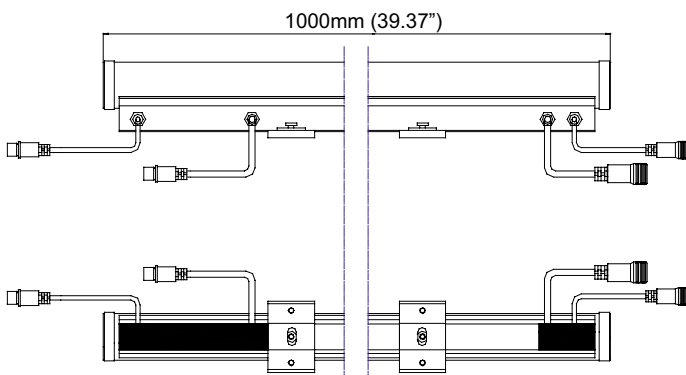


80mm (3.15")



84mm (3.307")

Side View

**PRODUCT SPECIFICATIONS**

<b>Color combination:</b>	3 primary, 3 secondary, white
<b>Light Source:</b>	144 High Power LEDs
<b>Housing:</b>	Polycarbonate tube with aluminum base
<b>Protective Rating:</b>	IP65
<b>Control system</b>	<b>Order separately:</b> Comes with proprietary DMX option
<b>Order# :</b>	SaVi-TC-120 - 120 volt SaVi-TC-240 - 240 volt
<b>Cabling:</b>	Multi-core control / data cable + power cables
<b>Tube Input:</b>	120VAC or 240VAC
<b>Temperature environment:</b>	-4°F to 104°F (-20°C to 40°C)
<b>Dimension:</b>	1000mm(W) x 50mm(D) x 75mm(H) 39.37"(W) x 1.97"(D) x 2.95"(H)
<b>Weight:</b>	1.5kg (3.3 lbs)
<b>Warranty:</b>	2 years

**COLOR MODES**

<b>Fixed Color :</b>	Single Static Color Display (red, green, yellow, blue, purple, cyan, white)
<b>Color Change:</b>	Scrolls through all the static colors
<b>Slow Flow 1:</b>	Single directional flow
<b>Slow Flow 2:</b>	Bi-directional flow
<b>Roll Chase 1:</b>	Rolling Backward and Forward
<b>Roll Chase 2:</b>	Scan Backward and Forward
<b>Multi Color:</b>	Rolling Backward and Forward
<b>Fast Flow 1</b>	
<b>Fast Flow 2</b>	
<b>2 Color Chase</b>	
<b>2 Color Flow</b>	
<b>252 Gray Scale Color Change</b>	
<b>DMX Addressable &amp; DMX Trigger</b>	

**ORDERING INFORMATION****MODEL**

SaVi-T - 1m Special Effects Full Spectrum LED Fixture

**POWER**

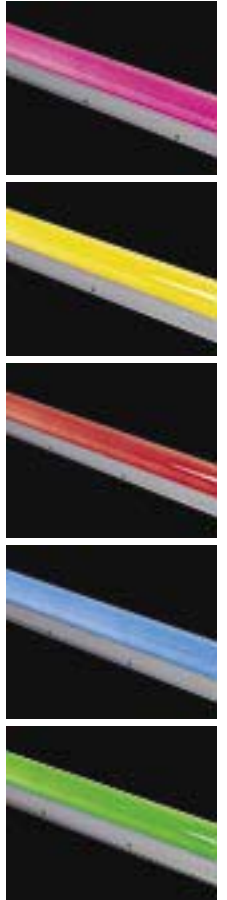
120V / 240V

**CONTROL SYSTEM**

SaVi-TC120	120volt
SaVi-TC240	240volt

**ACCESSORIES**

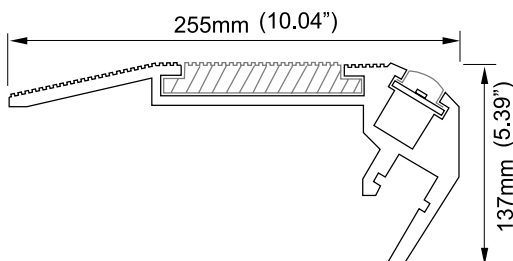
<b>Signal Amplifier</b>		<b>Power Cables - Cont.</b>
02.7120V - DMX signal amplifier - 120V		17.1710 10' power cable - 120V
02.7240V - DMX signal amplifier - 240V		17.1710-240 10' power cable - 240V
<b>T- Connector</b>		17.0702 2' data cable - 120V
28.7304 T-power controller		17.0702-240 2' data cable - 240V
28.7304-240 T-power controller - 240V		17.0705 5' data cable - 120V
28.7404 T-data controller		17.0705-240 5' data cable - 240V
28.7404-240 T-data controller - 240V		17.0710 10' data cable - 120V
<b>Power Cables</b>		17.0710-240 10' data cable - 240V
17.1702 2' power cable - 120V		17.0701 120V power feed cable
17.1702-240 2' power cable - 240V		- Edison Plug
17.1705 5' power cable - 120V		17.0701-240 240V power feed cable
17.1705-240 5' power cable - 240V		- Stripped



## SaVi Step - LED Step Lighting System



The SaVi™ Safety Step lighting system - SL1000 is designed to light up the edges and/or riser of a conventional step. The illumination is made available by Light Emitting Diodes (LEDs) that have 60,000 to 100,000 hours of lamp life (color dependent). The Edge & Riser LEDs are available in red, white and blue. An optional Step Light Row Indicators are also available in numbers, letters, and exit or handicap symbols. These indicators can be added to each end of the Step Light and will illuminate in white. **The LED Step Light is manufactured out of aluminum alloy with a non skid/slip surface and is finished with a black anodized coating for durability and weather ability.**

**PRODUCT SPECIFICATIONS**

**UL Listed:** Low Voltage Luminaries for dry locations only  
UL file No.E243017

**Electrical Rating:** 24VDC, 2.4 Watts per foot

**For UL approval, Step light must be installed with one of the following:**  
**Class 2**

**Power Supplies:** Nu Power Associates Inc.,  
Model SLD60-124V-FC  
high Perfection Technology Co., LTD.,  
Model LP1060-24-GG-290

**Dimensions:** 3.06"(W) x up to 96"(L) x 1.37"(H)  
77.90mm x up to 2,438mm x 34.82mm  
Maximum Length : 96"

**Ambient Operating Temp:** 32°F to 110°F  
0°C to 43.3°C

**Weight:** 1 lb. per foot

**Warranty:** 1 year warranty

**ORDERING INFORMATION****MODEL**

**SL1000** - SaVi Safety Step Lighting System

**POWER**

**24 VDC**

\* Note: Contact factory for transformer options

**STEP NOSE LED's POWER**

Step Edge Light LED's

**R** - Red LEDs

**W** - White LEDs

**B** - Blue LEDs

**N** - No LEDs

**STEP RISER LED's**

**R** - Red LEDs

**W** - White LEDs

**B** - Blue LEDs

**N** - No LEDs

**ROW IDENTIFIER PLATES**

**N** - Number 1-100

**L** - Letter A-Z

**H** - Handicap

**E** - Exit

**C** - Custom

**OPTIONS**

**W** - Wire way



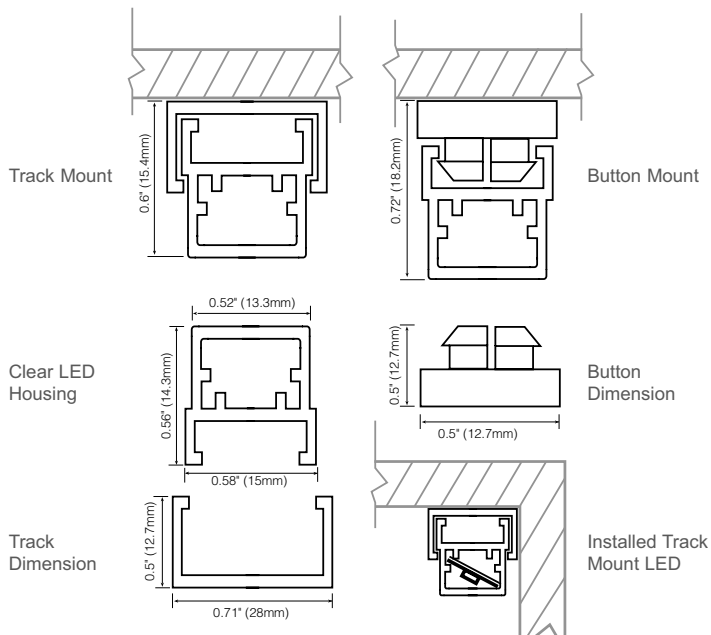
SaVi LED Flood Strip



The SaVi™ Flood Strip light with one line of high brightness LEDs is designed for indirect or direct lighting, both for indoor and outdoor applications. Low voltage, flexible, and monochromatic, LED strip is designed specifically for illuminating under steps, cabinets, coves, reveals, and strip applications and has an excellent tolerance for vibrations and shocks, quite different from neon and other forms of fluorescent lighting. Extremely low energy consumption and works with low voltage, thus minimizing the effects of corrosion and electrolysis.

Outfitted with LED's powered at 24 VDC with a life expectancy of approximately 100,000 hours, corresponding to a normal use of 11 years.

Ideal for direct lighting of steps, walk-ways, furniture, coves, kitchens, casinos, theme-parks, restaurants, bars, hotels, signage and much more.



**PRODUCT SPECIFICATIONS**

<b>Construction:</b>	Clear Polycarbonate Tube: 12.7 x 12.7mm for housing strips of 45° to 90°
<b>View Angle:</b>	120°
<b>Printed Circuit Board:</b>	Length 45cm = 17.71" No. of LED's Per 45cm: 30 Spacing 15mm = .59"
<b>Boards:</b>	12.7mm if 45° is used 10mm if 90° is used LED's .08 watts ea.
<b>Track:</b>	Aluminium Anodized - Silver Color
<b>End Cap:</b>	One for end of bar & 10/16" For wet locations – silicone will be applied on both ends
	One end will have low voltage wire, black & white, 22 gauge
<b>Standard Voltage:</b>	24 VDC for white / red / blue

**ORDERING INFORMATION**

**MODEL**

**SaVi™ FLOOD STRIP**

- W** White LED FLOOD STRIP
- R** Red LED FLOOD STRIP
- B** Blue LED FLOOD STRIP

**POWER**

**24V** 24 VDC

\* Note: Contact factory for transformer options

**CONSUMPTION PER MODULE**

2.4 W

**MAXIMUM OF MODULES WITH ONE POWER SUPPLY**

35 modules = 15m/ 49.21"

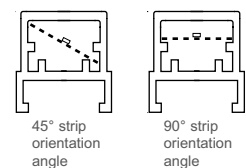
**VIEWING ANGLE**

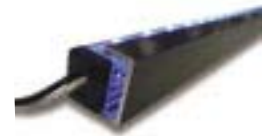
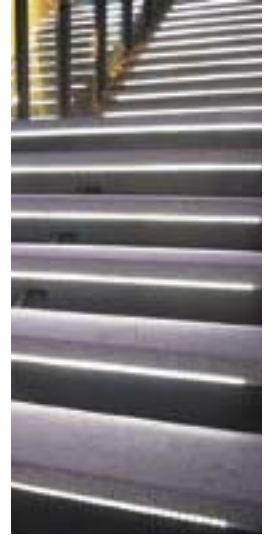
120° with SMD 50° - 120° with LED of 3mm. according to choice 45cm / 7.71"

**LED ORIENTATION**

45 - 45° OF LED strip orientation angle

90 - 90° OF LED strip orientation angle





Track Mount



Button Mount

## SaVi Key Pad



The SaVi™ Keypad controller provides eight assignable buttons (1-8) and the Next and Previous keys (+/-). This product was developed to allow end users to have instant access to pre-assigned scenes, each scene having a limit of 1000 different steps, lasting up to 43 minutes each. That equates to 716 hours or 29 days (24hrs/7days a week) of looks per button assigned. This equates to 8 continuous months of shows stored within the assignable buttons.

In addition to the eight assigned scenes, there are 247 other scenes available for playback, each with 1000 steps at 43 minutes per step. These then are accessible through the next/ previous buttons, or can be set to run sequentially with an accuracy of 4 hundredths of a second. This product fits into any single or double gang (US) standard electrical box.

**ORDERING INFORMATION****MODEL**

<b>SaVi KEY PAD-L</b>	120 volt (includes SAVI 512-EL - Stand Alone Controller / Software and Controller Cable)
<b>SaVi KEY PAD-H</b>	240 volt (includes SAVI 512-EH - Stand Alone Controller / Software and Controller Cable)

## SAVI ARCHITECTURAL LIGHTING

## SaVi 512 Stand Alone Controllers



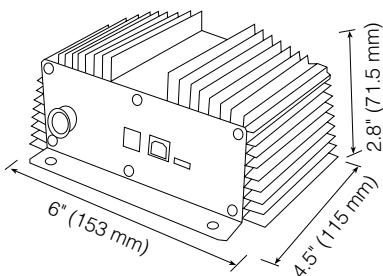
The SAVI-512 STAND ALONE CONTROLLER, USB interface is specifically equipped with memory which allows it to work in Stand Alone mode in case of PC-failure or restricted use. In Stand Alone mode the SAVI-512 STAND ALONE CONTROLLER is equipped with a connector which allows it to be externally-powered (120VAC to 9.0-15Vdc, @ 600mA or 240VAC to 9.0-15VDC, @ 600mA). In Stand Alone mode, the interface can release up to 255 scenes which will be called back in numerical order by pressing "Previous" or "Next". Each of these scenes can have up to 1000 steps. Each step can contain up to 43 minutes of activity. Individual scenes can be assigned to a particular Play-back/ Recall button, 1-8. Due to its very competitive price and its remarkable performance and mini-size, this product is ideally suited for small or large-scale settings including stores, restaurants, hotels, clubs, architectural lighting, parks or exhibitions.

**ORDERING INFORMATION****MODEL**

<b>SaVi-512-L</b>	Stand Alone DMX Controller- 120 volt - USB port
<b>SaVi-512-H</b>	Stand Alone DMX Controller- 240 volt - USB port
<b>SaVi-512-EL</b>	Stand Alone DMX Controller- 120 volt - Ethernet
<b>SaVi-512-EH</b>	Stand Alone DMX Controller- 240 volt - Ethernet

**ACCESSORIES**

<b>17.6100</b>	3ft. USB Cable
<b>16.6000</b>	5-pin male & 3-pin female adapter
<b>16.6001</b>	3-pin male & 5-pin female adapter

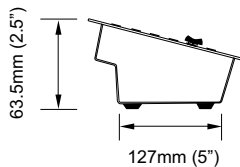
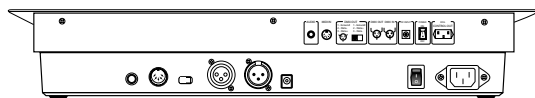
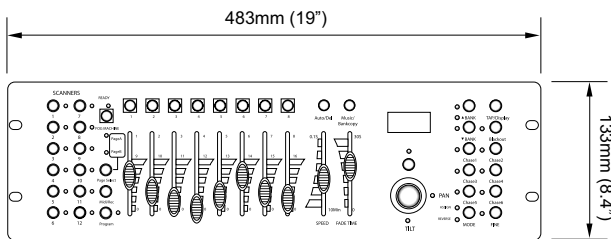


SaVi Console



SaVi-Console is one of the most complete universal DMX controllers available. One feature that sets it apart is its professional, soft touch joystick. Another is a unique override button that gives you complete control of selectable units. Here's how it works: Play back your show and select the fixture(s) by pushing the override button. When you disengage the button, the unit(s) will join the show again.

SaVi Console also comes with a fog button to operate non-DMX foggers. This all-inclusive unit stores 240 scenes in 30 banks utilizing a maximum of 192 DMX-channels. It is Midi compatible and features sound-activation, tap sync, auto run, and a polarity selector for older units. You've now found your savviest ally!



<b>Power:</b>	120 or 240 VAC, 50-60 Hz 25 watts maximum UL listed Class 2 power adapter
<b>Dimensions:</b>	1.75" x 19" x 6.5" (45mm x 483mm x 165mm)
<b>Operating Temperature:</b>	0 - 35°C (32 - 100°F) 0 - 90% relative humidity, non-condensing
<b>Front Panel:</b>	Power LED Acknowledge (ACK) LED Error LED Serial Activity LED 8 Push buttons
<b>Rear Panel:</b>	Programming Port DB-9M 1 Serial Port DB-9M Discrete Inputs DB-37F Power Barrel Connector
<b>Serial Port:</b>	RS-232C 300 baud - 38.4 kbaud 7, 8 or 9 Data Bits 1 or 2 Stop Bits All parity types
<b>Inputs:</b>	(16) TTL inputs, internally pulled up to +5 VDC, suitable for contact-closure operation. Trigger latency <1 frame.
<b>Show Memory:</b>	32 Kbyte EEPROM. Nonvolatile, robust memory retains show data permanently with no battery backup required.

**ORDERING INFORMATION**

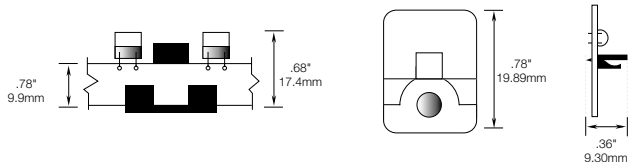
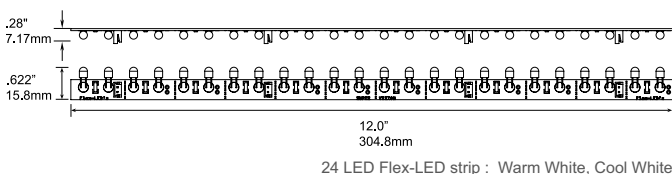
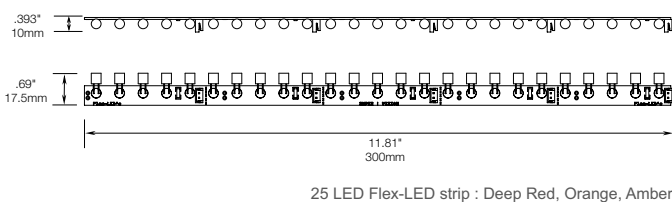
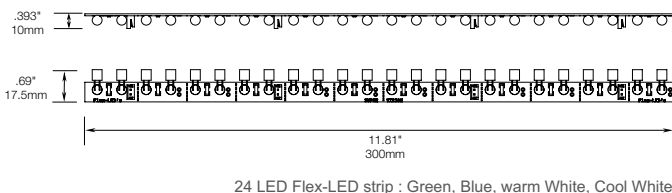
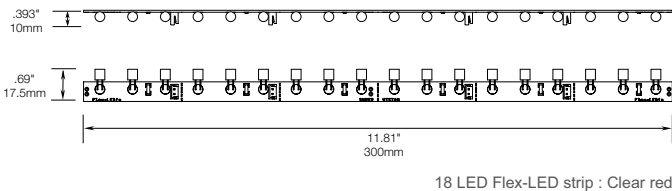
**MODEL**

<b>SaVi-192-120</b>	Stand Alone DMX Controller- 120 volt - USB port
<b>SaVi-192-240</b>	Stand Alone DMX Controller- 240 volt - USB port
<b>02.1120</b>	Replacement Transformer - 120volt
<b>02.0240</b>	Replacement Transformer - 240volt





Flex-LED is a low voltage - 12VDC, flexible, monochromatic, LED strip designed specifically for illuminating channel or back-lit, letters and logo's. LED's produce very little heat and have a lamp life expectancy up to 100,000 hours (12 years) for deep red, clear-red, amber and orange & 60,000 hours for white, green, and blue. Flex-LED can be estimated the same way as neon.



## PRODUCT SPECIFICATIONS

### 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 1.8 watts per foot for red, clear red, amber and orange.
- 3.2 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 (tested to UL48)

## ORDERING INFORMATION

### MODEL

#### Flex-LED STRIP

10.0300	Deep Red 12" LED FLOOD STRIP
10.0301	Clear Red 12" LED FLOOD STRIP
10.0302	Amber 12" LED FLOOD STRIP
10.0303	Blue 12" LED FLOOD STRIP
10.0304	Green 12" LED FLOOD STRIP
10.0306	Orange 12" LED FLOOD STRIP
10.0309-5	Cool-White LED FLOOD STRIP
10.0309-6	Warm-White LED FLOOD STRIP

### POWER SUPPLY

EVPS25-UL	12V, 25 watt power supply, UL approved
EVPS60-12-UL	12V, 60 watt power supply, UL approved
EVPS60	12V, 60 watt power supply (ETL listed)
EVPS150	12V, 150 watt power supply (ETL listed)
EVPS300	12V, 300 watt power supply (ETL listed)

### JUMPER CABLE

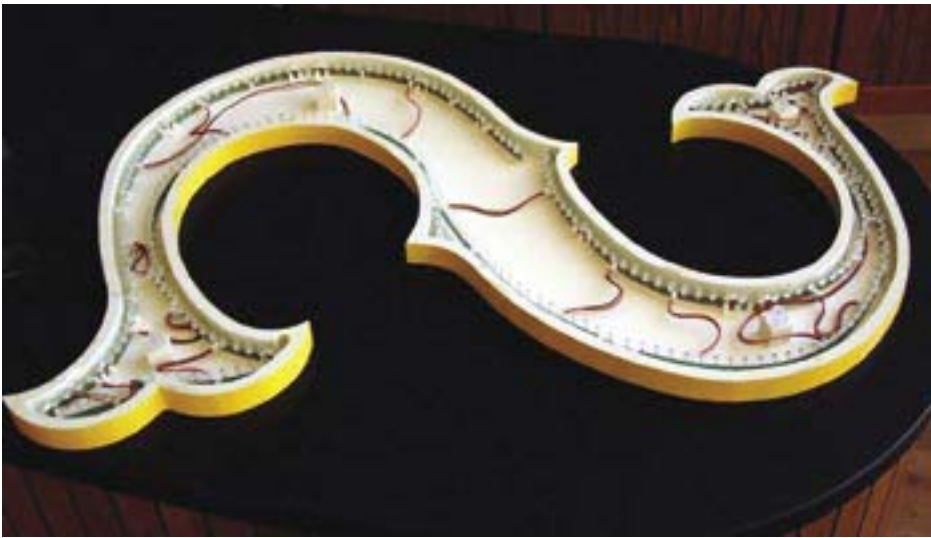
FXPC1	1" jumper cable
FXPC4	4" jumper cable
FXPC8	8" jumper cable
FXPC12	12" jumper cable
FXPC24	24" jumper cable
FXPC48	48" jumper cable
FXPC120	120" jumper cable

### MOUNTING CLIP

FXCLIP	Mounting Clip
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### STARTER KIT

EVSTARTER KIT	10 clear RED LED strips, 10 jumper wires, 1 power supply, 30 mounting clips
EVSTARTER-WHITE	10 WHITELED strips, 10 jumper wires, 1 power supply, 30 mounting clips
EVRK-FLEX	RAINBOW starter kit/ 10 jumpers, 1 power supply, 30 mounting clips

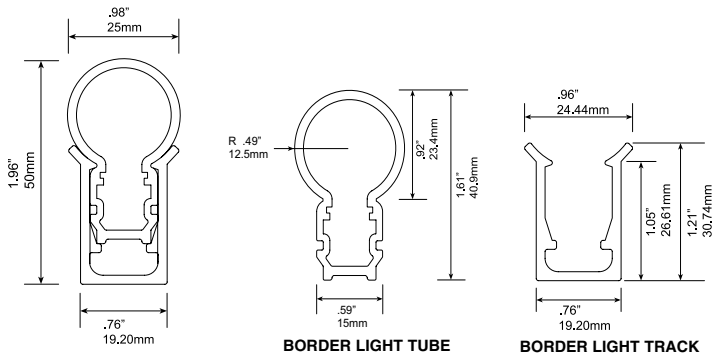


# LEDs Border Light



Border Light is a low voltage, monochromatic, LED Tube designed specially for building perimeter lighting or linear lighting applications. LEDs produce very little heat and have a long life expectancy.

**BORDERLIGHT**  
by Super Vision International



## PRODUCT SPECIFICATIONS

One 12" (305mm) red segment uses 1.8 watts per foot for red, clear red, amber and orange.

3.2 watts per foot for white, green, and blue.

Maximum distance for power cable to Border Light is 30 feet (10 m).

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

UL file Number - E220835

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).

## ORDERING INFORMATION

### MODEL

#### Border Light Strip

SVBL8-RED	Red 8Ft. Border Light Assembly
SVBL4-RED	Red 4Ft. Border Light Assembly
SVBL8-BLUE	Blue 8Ft. Border Light Assembly
SVBL4-BLUE	Blue 4Ft. Border Light Assembly
SVBL8-GREEN	Green 8Ft. Border Light Assembly
SVBL4-GREEN	Green 4Ft. Border Light Assembly
SVBL8-WHITE	White 8Ft. Border Light Assembly
SVBL4-WHITE	White 4Ft. Border Light Assembly
SVBL8-ORANGE	Orange 8Ft. Border Light Assembly
SVBL4-ORANGE	Orange 4Ft. Border Light Assembly
SVBL8-AMBER	Amber 8Ft. Border Light Assembly
SVBL4-AMBER	Amber 4Ft. Border Light Assembly
SVBL8-YELLOW	Yellow 8Ft. Border Light Assembly
SVBL4-YELLOW	Yellow 4Ft. Border Light Assembly

### POWER SUPPLY

EVPS25-UL	12V, 25 watt power supply, UL approved
EVPS60-12-UL	12V, 60 watt power supply, UL approved
EVPS60	12V, 60 watt power supply (ETL listed)
EVPS150	12V, 150 watt power supply (ETL listed)
EVPS300	12V, 300 watt power supply (ETL listed)

### JUMPER CABLE

FXPC1	1" jumper cable
FXPC4	4" jumper cable
FXPC8	8" jumper cable
FXPC12	12" jumper cable
FXPC24	24" jumper cable
FXPC48	48" jumper cable
FXPC120	120" jumper cable
17.0453	3' Molex jumper cable-Female-20AWG
17.0454	10' Molex jumper cable-Female-20AWG
17.0455	30' Molex jumper cable-Female-20AWG

### END CAPS

28.2192	Green LED Border Tube End Cap
28.2102	Red LED Border Tube End Cap
28.2106	White LED Border Tube End Cap
28.2120	Orange LED Border Tube End Cap
28.2121	Blue LED Border Tube End Cap;

### KIT

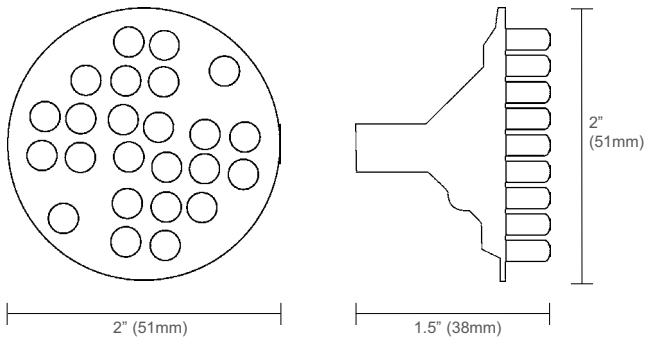
SVBL/KIT	Border Light Kit
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## Portable Spa LED RGB Replacement Lamps



AGS12



AGS24

**AGS12****PRODUCT SPECIFICATIONS**

12 LED Above Ground Spa Light - 2" diameter

Digital color-changing LED replacement lamp for portable spa application.

Bi-post connector fits most wedge-based sockets.

No external controller required. (use existing power switch)

Lights can display thousand of colors with variable intensity RGB LEDs.

5 different color modes:

- White Only • Color Lock • Color Change • B/G Mix
- Party Mode - Multiple Color Mix

**ORDERING INFORMATION**

AGS12

**DESCRIPTION**

12 LED replacement lamp for portable spa application

**AGS24****PRODUCT SPECIFICATIONS**

24 LED Above Ground Spa Light - 2" diameter

Digital color-changing LED replacement lamp for portable spa application.

Bi-post connector fits most wedge-based sockets.

No external controller required. (use existing power switch)

Lights can display thousand of colors with variable intensity RGB LEDs.

5 different color modes:

- White Only • Color Lock • Color Change • B/G Mix
- Party Mode - Multiple Color Mix

**ORDERING INFORMATION**

AGS24

AGS24-LC      Non-Synchronous

**DESCRIPTION**

24 LED replacement lamp for portable spa application



## Edison Based RGB LED Replacement Lamps/Housing for In-Ground Pool & Spa



IGS54

IGS54 w/ housing

### IGS54

#### PRODUCT SPECIFICATIONS

In Ground Spa Light  
 Energy Efficient, Long Lasting, Easy to Install,  
 Brilliant color, No moving parts, ETL Listed.  
 Built-in Color Mode - Control seven (7) color modes automatically through existing light switch.

#### ORDERING INFORMATION

##### MODEL

**IGS54** Self-Color Changing LED Spa Lights  
**SH54-12-15** Self-Color Changing LED Spa Lights w/ housing 15' Cord, 12volt  
**SH54-12-30** Self-Color Changing LED Spa Lights w/ housing 30' Cord, 12volt  
**SH54-12-50** Self-Color Changing LED Spa Lights w/ housing 50' Cord, 12volt

##### POWER

12 Volt only



IGP231

IGP231 w/ housing

### IGP231

#### PRODUCT SPECIFICATIONS

In Ground Pool Light  
 Energy Efficient, Long Lasting, Easy to Install,  
 Brilliant color, No moving parts, ETL Listed.  
 Built-in Color Mode - Control seven (7) color modes automatically through existing light switch.

#### ORDERING INFORMATION

##### MODEL

**IGS231** Self-Color Changing LED Pool Lights  
**PH231-120-15** Self-Color Changing LED Pool Lights w/ housing 15' Cord, 120volt  
**PH231-120-30** Self-Color Changing LED Pool Lights w/ housing 30' Cord, 120volt  
**PH231-120-50** Self-Color Changing LED Pool Lights w/ housing 50' Cord, 120volt  
**PH231-120-75** Self-Color Changing LED Pool Lights w/ housing 75' Cord, 120volt  
**PH231-120-100** Self-Color Changing LED Pool Lights w/ housing 100' Cord, 120volt  
**PH231-12-15** Self-Color Changing LED Pool Lights w/ housing 15' Cord, 12volt  
**PH231-12-30** Self-Color Changing LED Pool Lights w/ housing 30' Cord, 12volt  
**PH231-12-50** Self-Color Changing LED Pool Lights w/ housing 50' Cord, 12volt

##### POWER

12 & 120 Volt

Edison Based RGB LED Replacement Lamps/Housing for In-Ground Pool & Spa



# LEDs

## Digital Lighting System



DLS-P1

### LED DLS (Digital Lighting System)

#### PRODUCT SPECIFICATIONS

The LED DLS is a totally digital system. Using industry standard connectors, you can save time & money. Maximize your design flexibility with the DLS. Standard full color programmable control.

#### ORDERING INFORMATION

##### CONTROLLER

DLS-C12	12V (low voltage) system controller
DLS-C120	120V system controller
DLS-C220	220V system controller
DLS-C12-LC	12V (low voltage) system controller - change mode through ON/OFF switch only

##### WIRE CABLE

DLS-J1-2	4-Conductor 1" jumper cable w/ 2RJ11 connectors
DLS-J5-2	4-Conductor 5" jumper cable w/ 2RJ11 connectors
DLS-J10-2	4-Conductor 10" jumper cable w/ 2RJ11 connectors
DLS-SP500	4-Conductor 500' cable spool w/o 2RJ11 connectors
DLS-SP1000	4-Conductor 1,000' cable spool w/o 2RJ11 connectors

##### STAR POINT

DLS-P1	Transparent star point cover (plastic) - No LED or LEADS
DLS-P2	LED & LEAD star point assembly w/o DLS-P1
DLS-P3	Completed star point LED assembly

##### UNDERWATER LED SYSTEM

DLS-L12	12 LED variable RGB - underwater LED lamp
DLS-L24	24 LED variable RGB - underwater LED lamp
DLS-LADAP	Light adapter (L12 & L24) for light housing
DLS-L-HS	5" light housing
DLS-L-HS-SM	3 1/8" light housing

##### MODULAR CONNECTOR

DLS-RJ11	RJ11 connector
DLS-C2FF	In-Line connector
DLS-C3WAY	3-way female connector
DLS-250F	5' with 2 female
DLS-420F	10' with 4 female
DLS-550F	10' with 2 female

##### TOOLS & ACCESSORIES

DLS-TCRIMP	Crimper / Stripper for RJ11 connectors
DLS-T5BIT	0.5 dia. Tungsten drill bit for Smart Star Point
DLS-TEST1	1 cable / connector tester for cross wire and connectivity
SVSA	Adhesive Silicone

##### KITS

DLS-KIT 120V	10 points Starter Kit - 120 volt
DLS-KIT 220V	10 points Starter Kit - 220 volt

## LED A-Lamp

### PRODUCT SPECIFICATIONS

The LED A-Lamp is a bulb with interchangeable covers. Its Applications include 1 Watt Marquees, decorative perimeter lighting, and signs.

### ORDERING INFORMATION

#### MODEL

EV0301	120V RED LED A-19 LAMP
EV0301-220	220V RED LED A-19 LAMP
EV0301C	120V RED LED A-19 LAMP : Clear Cover
EV0301C-220	220V RED LED A-19 LAMP : Clear Cover
EV0301D	120V RED LED A-19 LAMP : Dimple Cover
EV0301D-220	220V RED LED A-19 LAMP : Dimple Cover
EV0302	120V AMBER LED A-19 LAMP
EV0302-220	220V AMBER LED A-19 LAMP
EV0302C	120V AMBER LED A-19 LAMP : Clear Cover
EV0302C-220	220V AMBER LED A-19 LAMP : Clear Cover
EV0302D	120V AMBER LED A-19 LAMP : Dimple Cover
EV0302D-220	220V AMBER LED A-19 LAMP : Dimple Cover
EV0303	120V BLUE LED A-19 LAMP
EV0303-220	220V BLUE LED A-19 LAMP
EV0303C	120V BLUE LED A-19 LAMP : Clear Cover
EV0303C-220	220V BLUE LED A-19 LAMP : Clear Cover
EV0303D	120V BLUE LED A-19 LAMP : Dimple Cover
EV0303D-220	220V BLUE LED A-19 LAMP : Dimple Cover
EV0304	120V GREEN LED A-19 LAMP
EV0304-220	220V GREEN LED A-19 LAMP
EV0304C	120V GREEN LED A-19 LAMP : Clear Cover
EV0304C-220	220V GREEN LED A-19 LAMP : Clear Cover
EV0304D	120V GREEN LED A-19 LAMP : Dimple Cover
EV0304D-220	220V GREEN LED A-19 LAMP : Dimple Cover
EV0305	120V WHITE LED A-19 LAMP
EV0305-220	220V WHITE LED A-19 LAMP
EV0305C	120V WHITE LED A-19 LAMP : Clear Cover
EV0305C-220	220V WHITE LED A-19 LAMP : Clear Cover
EV0305D	120V WHITE LED A-19 LAMP : Dimple Cover
EV0305D-220	220V WHITE LED A-19 LAMP : Dimple Cover
EV0306	120V ORANGE LED A-19 LAMP
EV0306-220	220V ORANGE LED A-19 LAMP
EV0306C	120V ORANGE LED A-19 LAMP : Clear Cover
EV0306C-220	220V ORANGE LED A-19 LAMP : Clear Cover
EV0306D	120V ORANGE LED A-19 LAMP : Dimple Cover
EV0306D-220	220V ORANGE LED A-19 LAMP : Dimple Cover

#### POWER

120 or 220 Volt



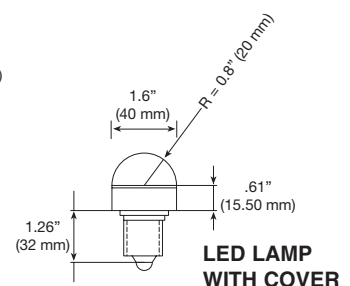
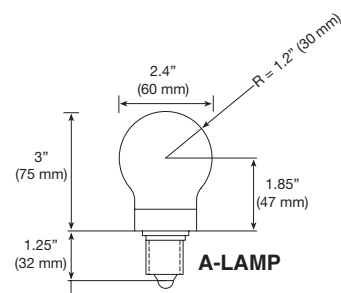
LED A-LAMP (left)  
A-LAMP cover (top right)  
A-LAMP dimple cover (mid right)  
A-LAMP clear cover



A-LAMP Assembled



A-LAMP w/ dimple cover



#### FIBER OPTIC LIGHTING FIXTURES

Fiber optic lighting advantages include the ability to locate lighting 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 through the use of color filters and special effects that can be produced through the use of color wheels, synchronous controllers and DMX systems.



# FIBER OPTIC FIXTURES

## Step Light



SL500



SL501



SL502



SL503

### PRODUCT SPECIFICATIONS

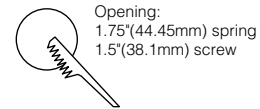
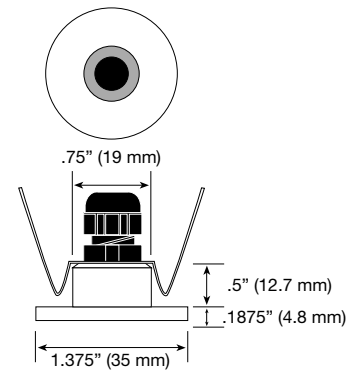
SL-500 Series - Step Light

Maximum fiber capacity: 75 (.75mm)

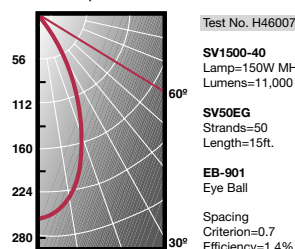
Applications: Step, niche and accent lighting.

### ORDERING INFORMATION

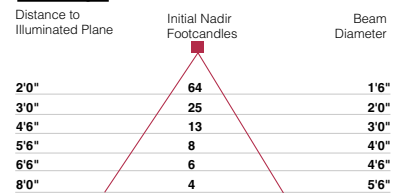
MODEL	DESCRIPTION	FINISH	FIBER CAPACITY
SL500	Step Light-spring	Brass	75
SL501	Step Light-spring	Aluminum	75
SL502	Step Light-spring	Aluminum-black	75
SL503	Step Light-spring	Aluminum-white	75



### Candlepower Distribution



### Cone of Light



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.

Step Light



# FIBER OPTIC FIXTURES

## Fixed Down Light



FD-700SC



FD-701SC



FD-702SC



FD-703SC



FD-700SP



FD-701SP



FD-702SP



FD-703SP

### FD-700 Series - Fixed Downlight

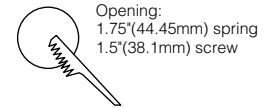
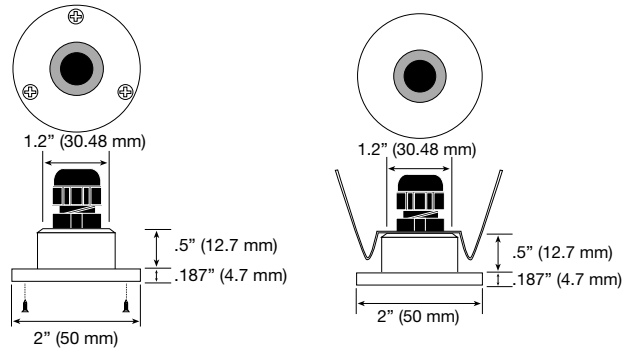
#### PRODUCT SPECIFICATIONS

Maximum fiber capacity: 150 (.75mm)

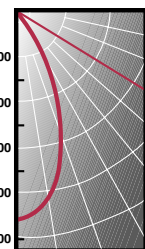
Applications: Uplighting, wall grazing, downlighting

#### ORDERING INFORMATION

MODEL	DESCRIPTION	FINISH	FIBER CAPACITY
FD-700SC	Fixed Downlight-screw	Brass	150
FD-701SC	Fixed Downlight-screw	Aluminum	150
FD-702SC	Fixed Downlight-screw	Aluminum-black	150
FD-703SC	Fixed Downlight-screw	Aluminum-white	150
FD-700SP	Fixed Downlight-spring	Brass	150
FD-701SP	Fixed Downlight-spring	Aluminum	150
FD-702SP	Fixed Downlight-spring	Aluminum-black	150
FD-703SP	Fixed Downlight-spring	Aluminum-white	150



#### Candlepower Distribution



Test No. H46017

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

SV75EG  
Strands=75  
Length=15ft.

FD-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.

Fixed Down Light



Eyeball Fixture



EB-900



EB-901



EB-902



EB-903

**PRODUCT SPECIFICATIONS**

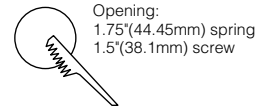
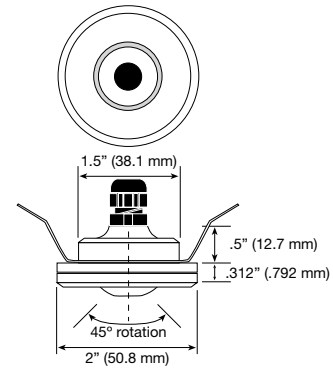
EB-900 Series - Eyeball Lens

Maximum fiber capacity: 75 (.75mm)

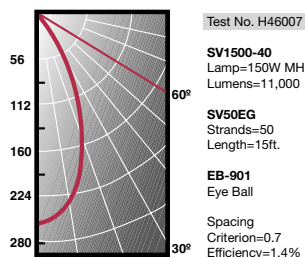
Applications: Source adjustable lens - display cases, wall washing layered lighting effects.

**ORDERING INFORMATION**

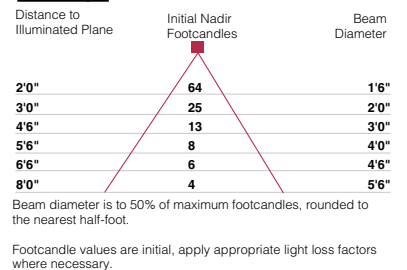
MODEL	DESCRIPTION	FINISH	FIBER CAPACITY
EB-900	Eyeball Lens	Brass	75
EB-901	Eyeball Lens	Aluminum	75
EB-902	Eyeball Lens	Aluminum-black	75
EB-903	Eyeball Lens	Aluminum-white	75



**Candlepower Distribution**



**Cone of Light**





# FIBER OPTIC FIXTURES

## ESDL



ESDL-WHITE



ESDL-BLACK



ESEB-BLACK



ESEB-WHITE

### PRODUCT SPECIFICATIONS

ESDL Series - Adjustable beam fixtures, designed for use with a single 9mm jacketed fiber and ES150 illuminator.

Beam angles are set, using 2 rotating thumb screws to one of the following positions: 15°, 25° or 40°.

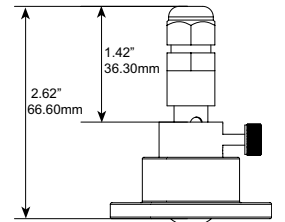
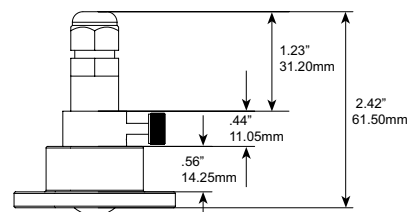
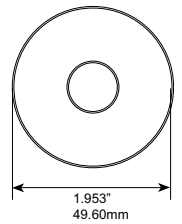
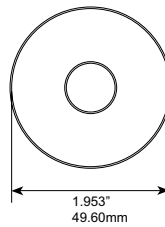
ESDL fixture accommodates 1 - SVP AF9mm fiber

### ORDERING INFORMATION

MODEL	DESCRIPTION	FINISH	FIBER CAPACITY
ESDL-WHITE	Eyeball Lens	Aluminum-white	1 - 9mm
ESDL-BLACK	Eyeball Lens	Aluminum-black	1 - 9mm
ESEB-BLACK	Eyeball Lens	Aluminum-black	1 - 9mm
ESEB-WHITE	Eyeball Lens	Aluminum-white	1 - 9mm

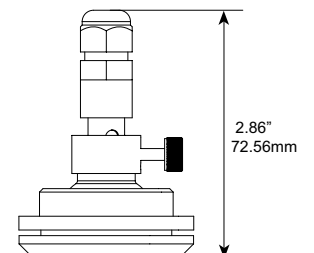
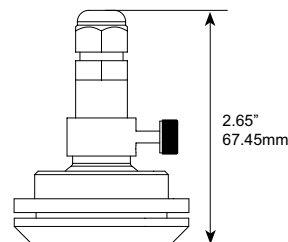
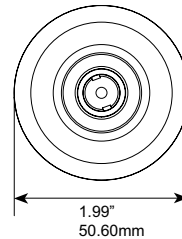
### JACKETED ENDPOINT FIBERS

SVP AF3MM 1 fiber - 9mm diameter



MINIMUM DIMENSION

MAXIMUM DIMENSION



MINIMUM DIMENSION

MAXIMUM DIMENSION



# FIBER OPTIC FIXTURES

## Stainless Steel Fixture



SS400

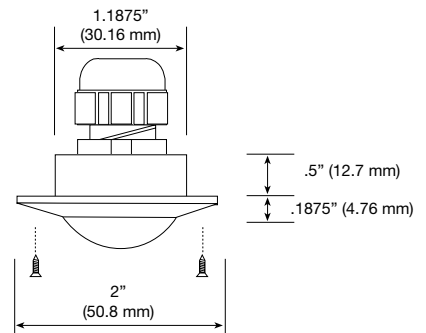
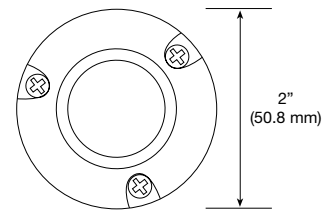
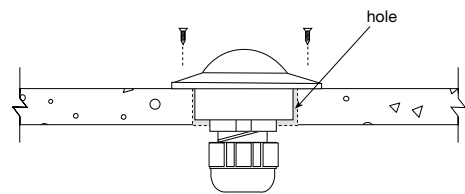
**PRODUCT SPECIFICATIONS**

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

**ORDERING INFORMATION**

MODEL	DESCRIPTION	FINISH	FIBER CAPACITY
SS400	Screw-mounted fixture	Stainless steel	150

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





## Crystals



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



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



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



DDF0004.01 (GOLD)

## PRODUCT SPECIFICATIONS

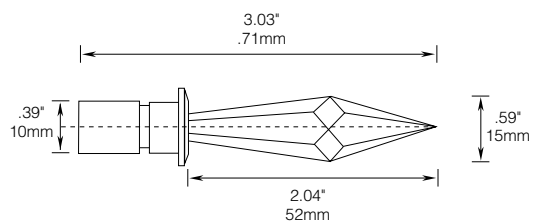
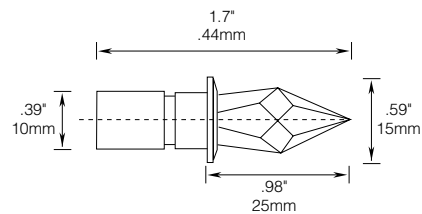
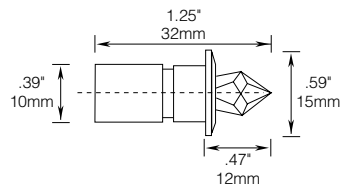
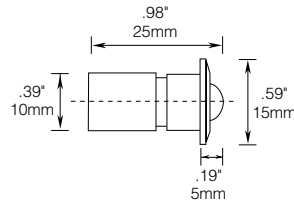
Maximum fiber capacity: 12 (.75mm)

Applications: Decorative ceilings, artwork

## ORDERING INFORMATION

MODEL	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 - med small cut	gold caps	12
DDF0003.02	25mm Star Crystal - med small cut	nickel caps	12
DDF0004.01	36mm Star Crystal - medium cut	gold caps	12

**Note:** 2 week lead time on most orders





## Crystals



**DDF0005.01 (GOLD)**



**DDF0006.01 (NICKEL)**



**DDF0007.01 (NICKEL)**



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



**DDF0009.01 (MOUNTING SLEEVE)**  
order separately

### PRODUCT SPECIFICATIONS

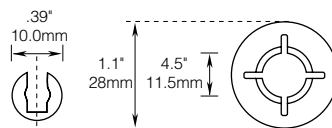
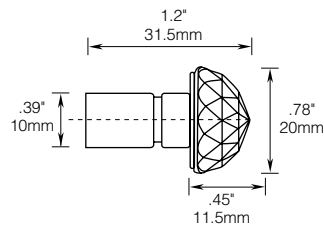
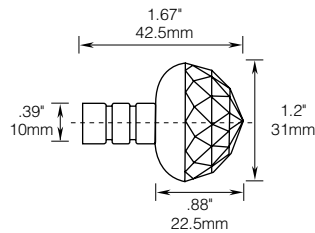
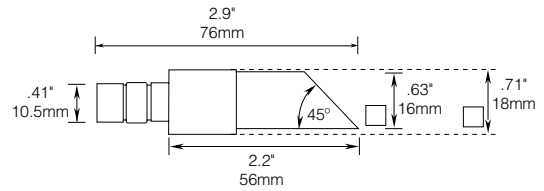
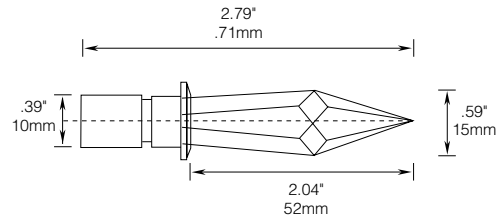
Maximum fiber capacity: 12 (.75mm)

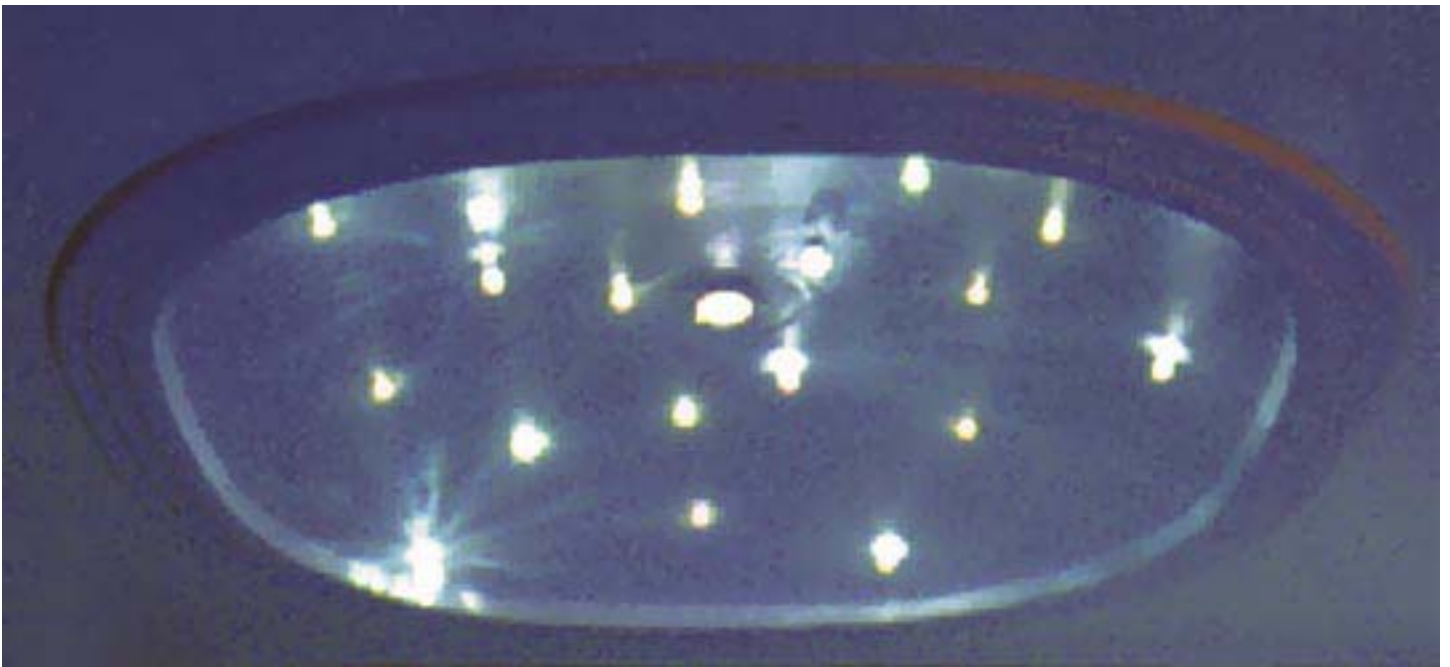
Applications: Decorative ceilings, artwork

### ORDERING INFORMATION

MODEL	DESCRIPTION	FINISH	FIBER CAPACITY
DDF0005.01	52mm Star Crystal - large cut	gold	12
DDF0006.02	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 seperately	plastic	12

**Note:** 2 week lead time on most orders





# FIBER OPTIC FIXTURES

## Fiber Optic Underwater Fixtures



**SVWNF-WHITE  
(PLASTIC BULLSEYE LENS)**



**SVWNFC-WHITE  
(CONVEX GLASS LENS)**



**SVWNFF-WHITE  
(GLASS BULLSEYE LENS)**



**SVLKEY2  
(LENS TOOL)**

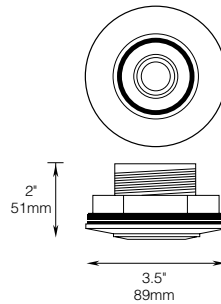
**PRODUCT SPECIFICATIONS**

Maximum fiber capacity: 300 (.75mm)

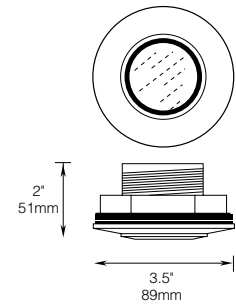
Applications: Underwater lenses for pools, spas and fountains.

**ORDERING INFORMATION**

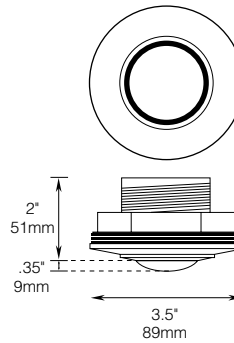
MODEL	DESCRIPTION	FIBER CAPACITY
SVWNF-WHITE	Plastic "bullseye" lens - White	300
SVWNF-BLACK	Plastic "bullseye" lens - Black	300
SVWNFF-WHITE	Flat glass flood lens - White	300
SVWNFF-BLACK	Flat glass flood lens - Black	300
SVWNFC-WHITE	Convex glass spot lens - White	300
SVWNFC-BLACK	Convex glass spot lens - Black	300
SVLKEY2	Aluminum lens key	N/A



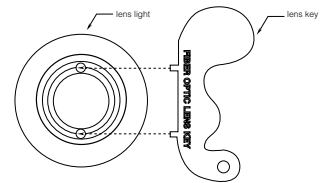
SVWNF



SVWNFF



SVWNFC



SVLKEY2

# FIBER OPTIC FIXTURES

## Fiber Optic Underwater Fixtures

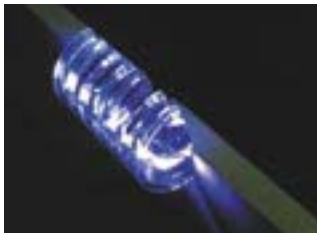
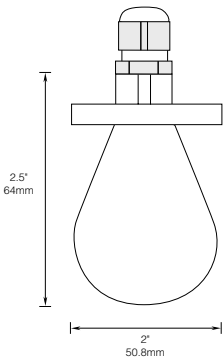


# FIBER OPTIC FIXTURES

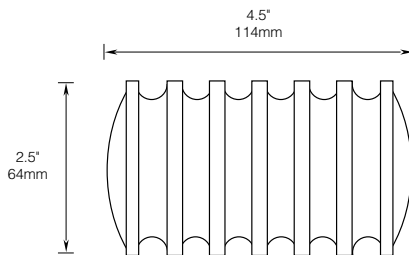
## Specialty Fixtures



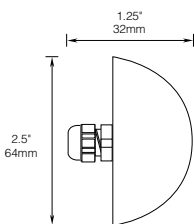
**SVBFROSTED  
(ACRYLIC MARQUEE BULB)**



**SVF100  
(ACRYLIC FEATURE LIGHT)**



**Feature Light - Front View**



**Feature Light - Side View**

**PRODUCT SPECIFICATIONS**

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.

**ORDERING INFORMATION**

MODEL	DESCRIPTION
SVBCLEAR	Clear acrylic bulb
SVBFROSTED	Frosted acrylic bulb
SVBFROSTED/FIL	Frosted acrylic bulb with filament

**PRODUCT SPECIFICATIONS**

Feature Light

Description: Acrylic feature light with a maximum fiber capacity of 75  
Applications: Step light, decorative wall fixture, fountain light.

**ORDERING INFORMATION**

MODEL	DESCRIPTION
SVF100	Acrylic feature light



Marquee bulb retrofitted in a typical pendant lamp



Feature light mounted behind sheet flow waterfall

# FIBER OPTIC FIXTURES

## Path Lights



SVL100 PLAIN



SVL101 TIER



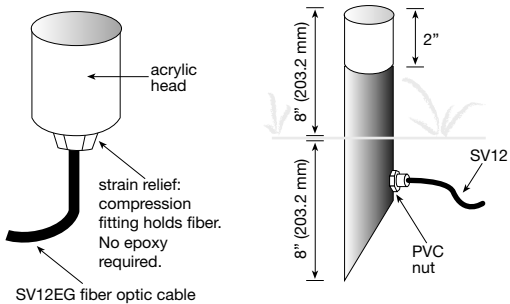
SVL102 KNURLED



SVL104 INVERTED



SVL107 BOLERO

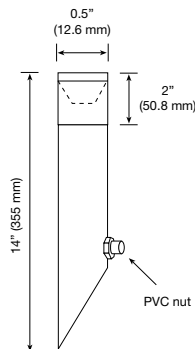
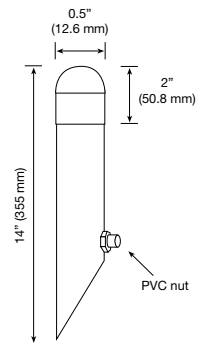
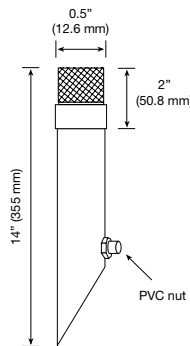
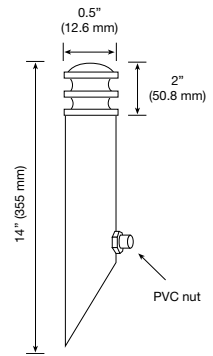
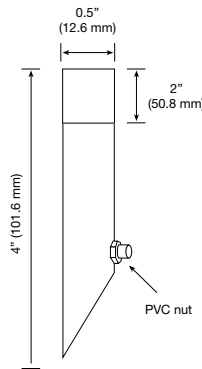


### PRODUCT SPECIFICATIONS

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.

### ORDERING INFORMATION

MODEL	DESC.	MATERIAL	FIBER CAPACITY
SVL100	Plain	Acrylic head/PVC body	75
SVL101	Tier	Acrylic head/PVC body	75
SVL102	Knurled	Acrylic head/PVC body	75
SVL104	Inverted	Acrylic head/PVC body	75
SVL107	Bolero	Acrylic head/PVC body	75





# FIBER OPTIC FIXTURES

## Adjustable Accent / Flood Fixtures



**SVA200 ACCENT LIGHT**



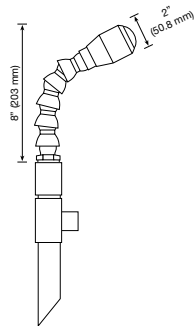
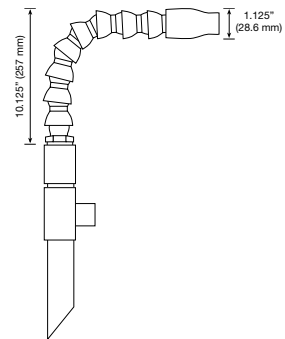
**SVA205 FLOODLIGHT**

**PRODUCT SPECIFICATIONS**

A flexible, powerful uplight for landscaping and outdoor architectural use. All the power of traditional lighting plus the benefits of fiber optics in a dynamic combination.

**ORDERING INFORMATION**

MODEL	DESCRIPTION	MATERIAL	CARTON QTY
SVA200	Flexible floodlight	Plastic lens, black pvc body	1
SVA205	Flexible floodlight	Glass convex lens, black pvc body	1



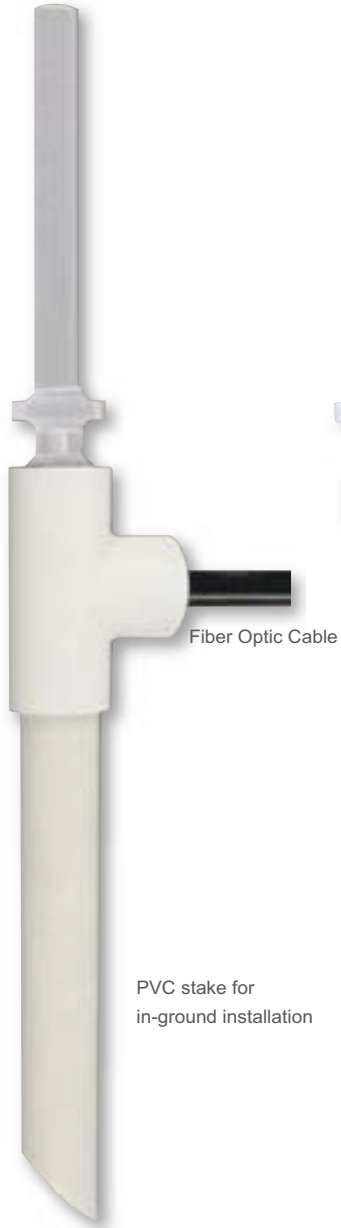


# FIBER OPTIC FIXTURES

## Light Stick

SVL300

Acrylic Wand

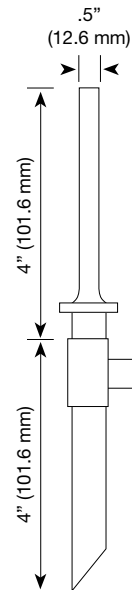


### PRODUCT SPECIFICATIONS

Unique and beautiful light sticks are a simple and exceptionally versatile way to add interest to a concrete deck, wall or landscape area. Set the light sticks in the ground, pour concrete, and let it set. When the concrete has cured, cut the light stick flush with the surface. They create an effect that is absolutely brilliant.

### ORDERING INFORMATION

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





# FIBER OPTIC FIXTURES

## Light Paver



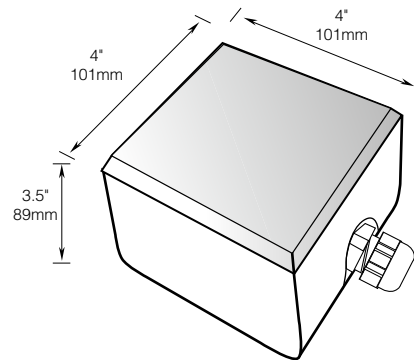
**SVPAVER4X4**

### PRODUCT SPECIFICATIONS

ABS plastic and frosted high-impact polycarbonate paver light for deck, walkways and wall. 4"X4" with 25 strand fiber capacity.

### ORDERING INFORMATION

MODEL	DESCRIPTION	MATERIAL	FIBER CAPACITY
SVPAVER4X4	Inground paver light	Polycarbonate top	25





## Fiber Optic Curtain

**PRODUCT 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 (StarPro, SV750), 1000 (LitePro)
- 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:

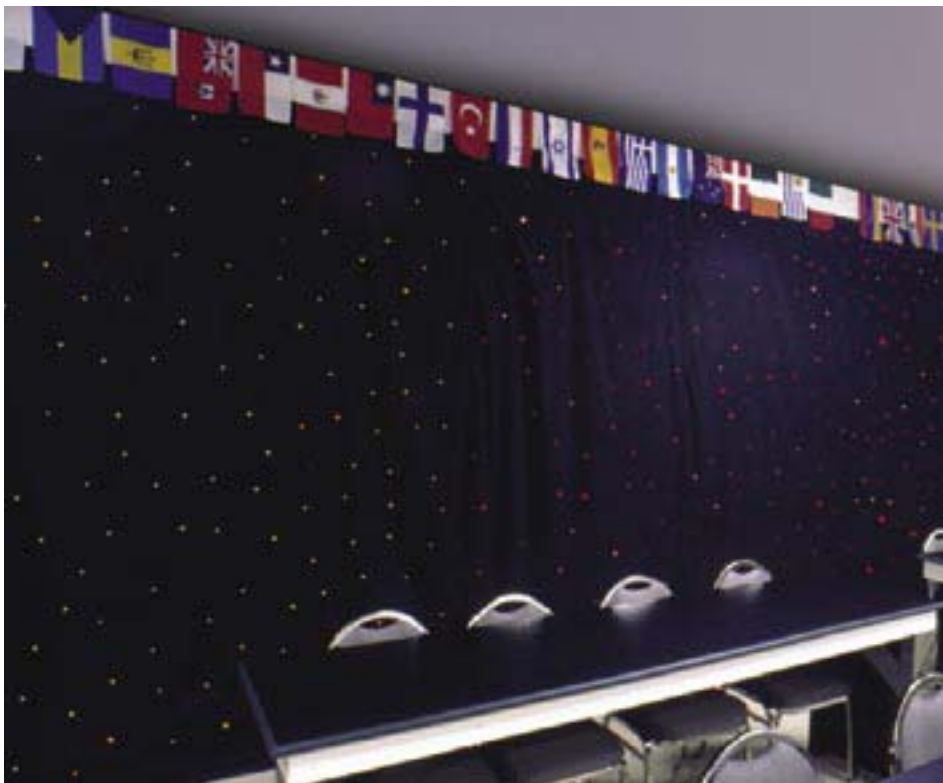
- Standard Construction
- Commando/Ranger(2.25 fibers per sq. ft.)

## Illuminator (Order Separately):

- STARPRO
- SV750
- LITEPRO

**ORDERING INFORMATION**

<b>MODEL</b>	<b>DESCRIPTION</b>
SPECIAL ORDER, PLEASE CALL	Back-Lit fiber optic curtain



## Fiber Optic Light Bars



LB1



LB2

**PRODUCT SPECIFICATIONS**

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.

**ORDERING INFORMATION****MODEL**

LB1

**DESCRIPTION**

.625" (15.9mm) Square plastic

**LENGTH**

12" up to 3' (305mm x 914mm) with .25" (6.35mm) fiber spacing

12" up to 4' (305mm x 1219mm) with .5" std (12.7mm) fiber spacing

12" up to 6' (305mm x 1829mm) with 1" (25.4mm) fiber spacing

**HARNES LENGTH**

12" up to 100' (305mm x 30480mm)

**MODEL**

LB2

**DESCRIPTION**

1.25" (15.875mm) Square aluminum

**LENGTH**

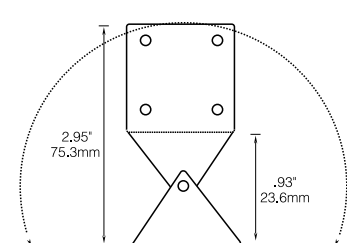
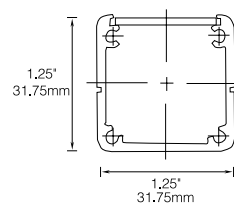
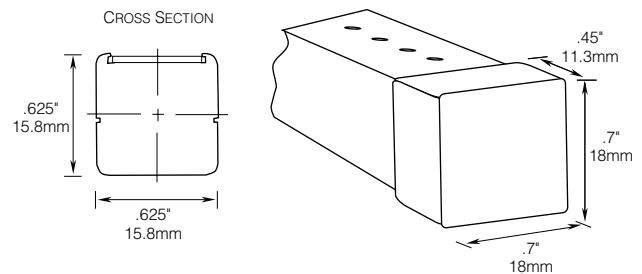
12" up to 8' (305mm x 2438mm) with .25" (6.35mm) fiber spacing

12" up to 8' (305mm x 1219mm) with .5" std (12.7mm) fiber spacing

12" up to 8' (305mm x 1829mm) with 1" (25.4mm) fiber spacing

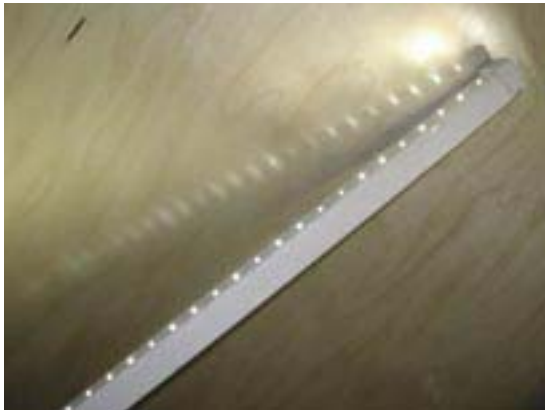
**HARNES LENGTH**

12" up to 100' (305mm x 30480mm)



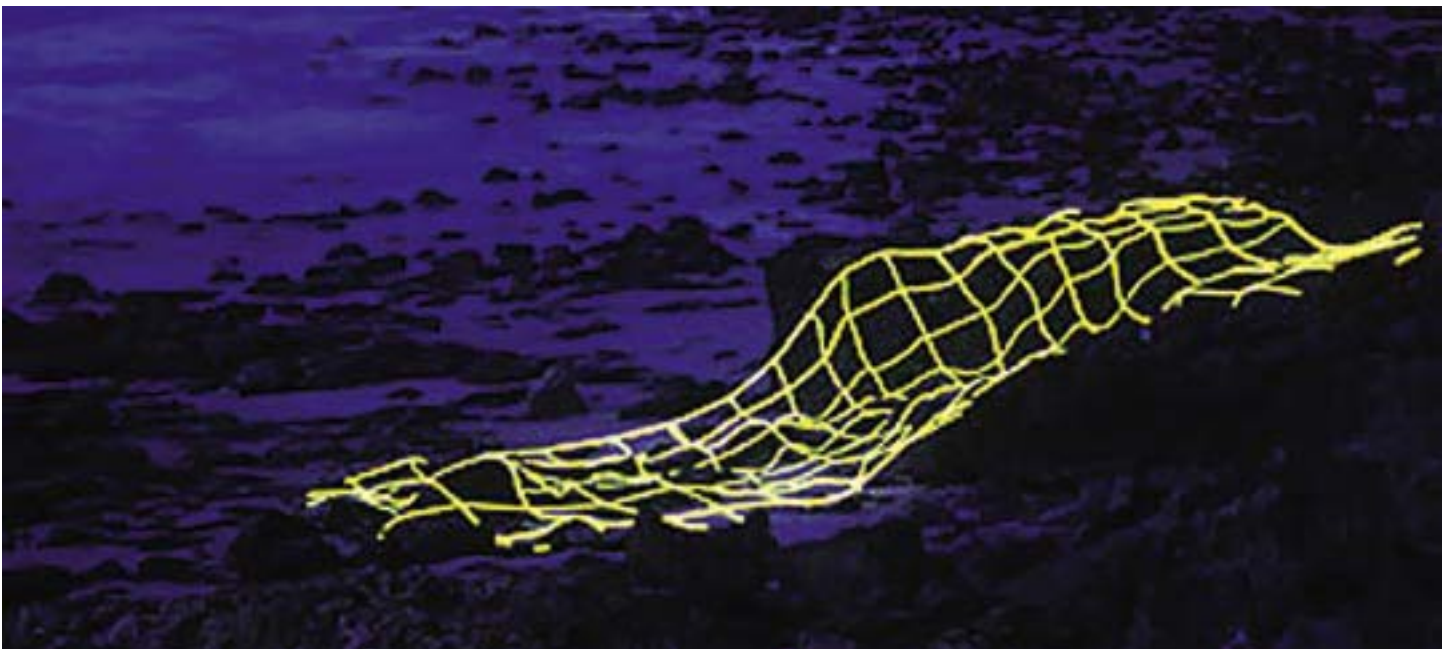
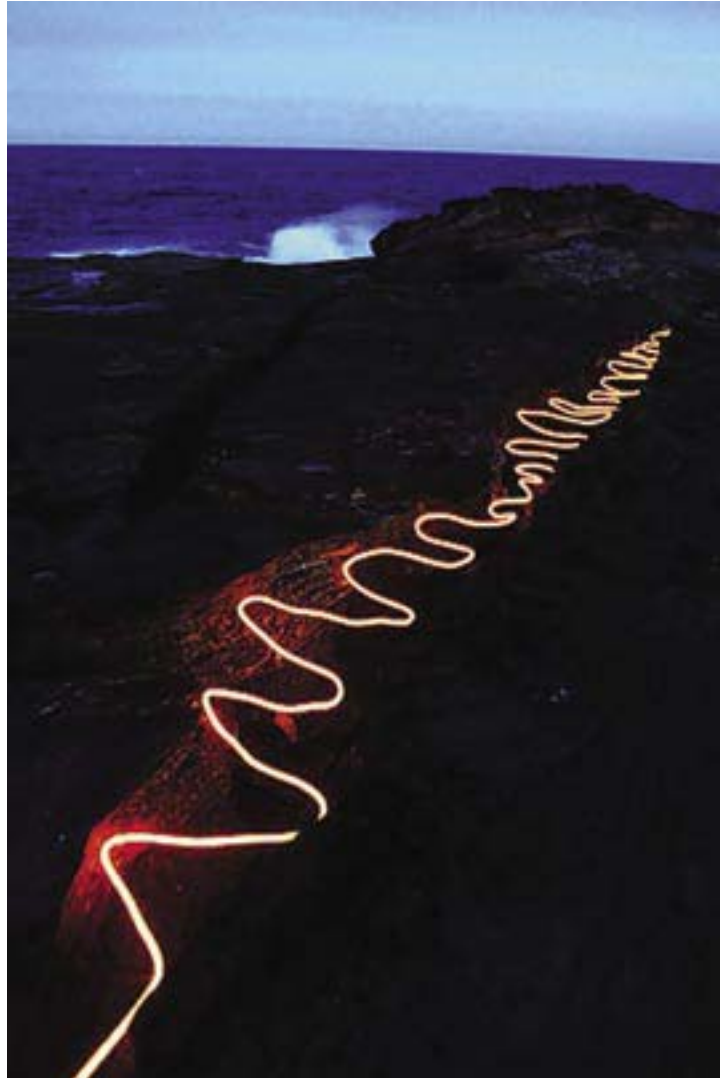
Cross Section

End View



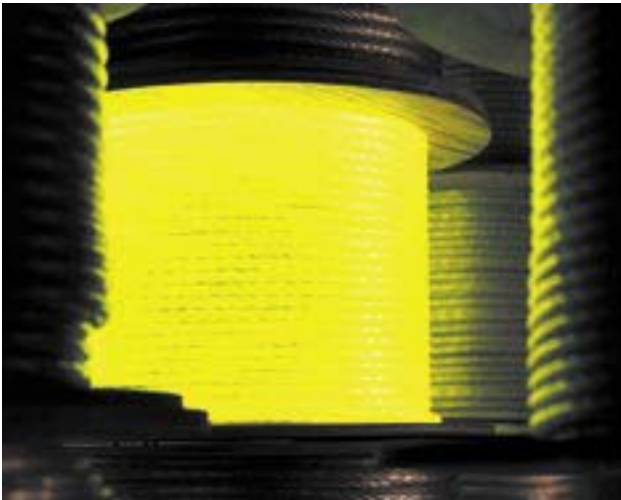
#### **FIBER OPTIC CABLE**

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. SideGlow®, EndGlow® and Endpoint fiber are designed and manufactured to be used for countless type of applications that demand quality, durability and long life.



# FIBER OPTIC CABLES

## SideGlow® Cable / Medium Diameter



Patented SideGlow® cable is a safe alternative to neon and is energy efficient. Suitable for interior and exterior applications, it is UV protected and has an algacide and fungicide treated exterior jacket for maximum durability against the elements. SideGlow® cable is strong, durable and ideal for extremely hot or cold weather. Design restrictions have been eliminated, creating a multitude of design possibilities.

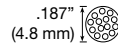
The SideGlow® cable is made up of .030"/ 0.75mm diameter PMMA acrylic optical fibers twisted (SV42, SV84, SV126 only) within a flexible clear jacket. The fibers are twisted around a highly reflective PVC internal core that offers flexible stability with maximum light output.

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
- 23 fibers: .250", 6.4mm
- 32 fibers: .312", 7.9mm
- 42 fibers: .375", 9.5mm

### SV14



.187" diameter	14 strands
-------------------	---------------

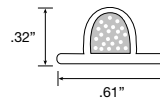
PVC material	1" bend
-----------------	------------

multistrands consisted of .030" (0.75mm) fibers

Mini	Small	Medium	Large
800'	2,000'	5,000'	6,500'
244M	700M	1524M	1981M

Standard Spool Size  
Fiber is sold by the foot

### SV23ST



.250" diameter	23 strands
-------------------	---------------

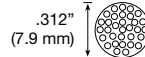
PVC material	1" bend
-----------------	------------

multistrands consisted of .030" (0.75mm) fibers

Mini	Small	Medium	Large
125'	150'	200'	500'
38M	46M	61M	152M

Standard Spool Size  
Fiber is sold by the foot

### SV32



.312" diameter	32 strands
-------------------	---------------

PVC material	1" bend
-----------------	------------

multistrands consisted of .030" (0.75mm) fibers

Mini	Small	Medium	Large
200'	300'	700'	1,000'
244M	91M	213M	305M

Standard Spool Size  
Fiber is sold by the foot

### SV42



.375" diameter	42 strands
-------------------	---------------

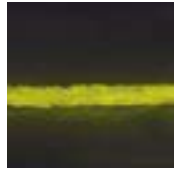
PVC material	1.5" bend
-----------------	--------------

multistrands consisted of .030" (0.75mm) fibers

Mini	Small	Medium	Large
250'	500'	1,000'	1,700'
76M	152M	305M	518M

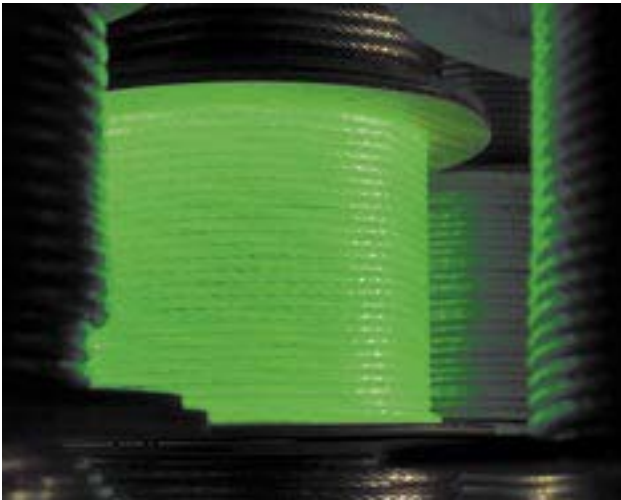
Standard Spool Size  
Fiber is sold by the foot

SV14	SV23ST	SV32	SV42	
✓		✓	✓	FURNITURE
	✓	✓	✓	POOL & SPA PERIMETER
✓		✓	✓	AISLE WAY LIGHTING
✓		✓	✓	DECORATIVE APPLICATIONS

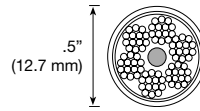


# FIBER OPTIC CABLES

## SideGlow® Cable / Large Diameter



### SV84



.5" diameter	84 strands
-----------------	---------------

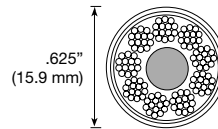
PVC material	1.5" bend
-----------------	--------------

multistrands consisted of .030" (0.75mm) fibers

Mini NA	Small	Medium	Large
	300'	700'	1,000'
	91M	213M	305M

Standard Spool Size  
Fiber is sold by the foot

### SV126



.625" diameter	126 strands
-------------------	----------------

PVC material	1.5" bend
-----------------	--------------

multistrands consisted of .030" (0.75mm) fibers

Mini NA	Small	Medium	Large
	240'	450'	650'
	M	137M	198M

Standard Spool Size  
Fiber is sold by the foot

Patented SideGlow® cable is a safe alternative to neon and is energy efficient. Suitable for interior and exterior applications, it is UV protected and has an algacide and fungicide treated exterior jacket for maximum durability against the elements. SideGlow® cable is strong, durable and ideal for extremely hot or cold weather. Design restrictions have been eliminated, creating a multitude of design possibilities.

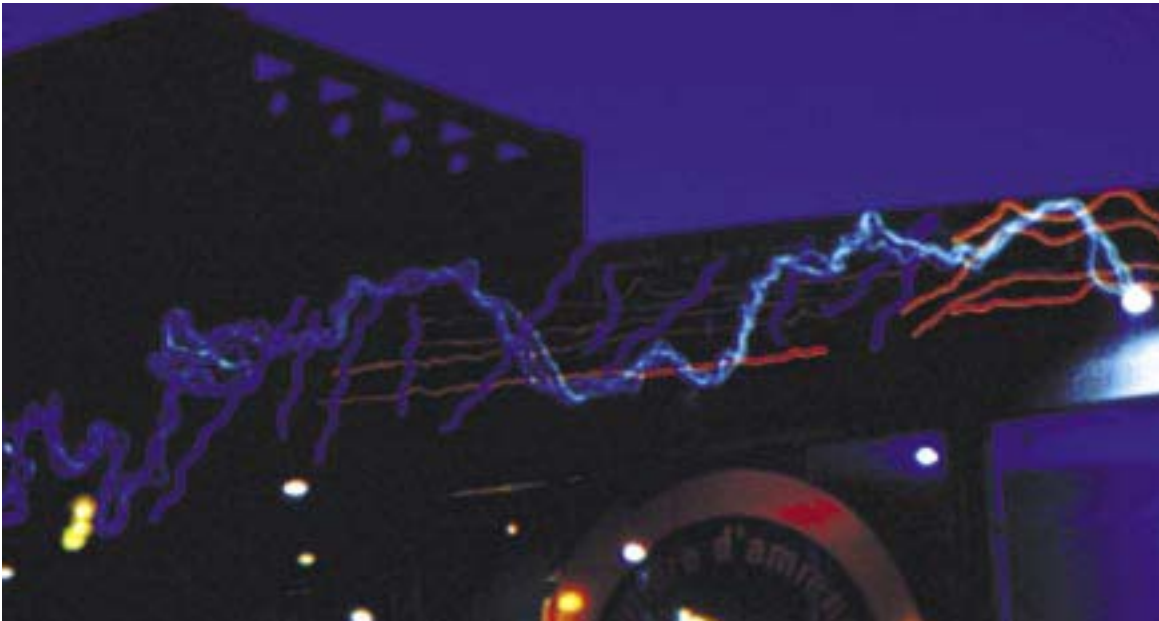
The SideGlow® cable is made up of .030"/ 0.75mm diameter PMMA acrylic optical fibers twisted within a flexible clear jacket. The fibers are twisted around a highly reflective PVC internal core that offers flexible stability with maximum light output.

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

The cable diameter is determined by fiber quantity:

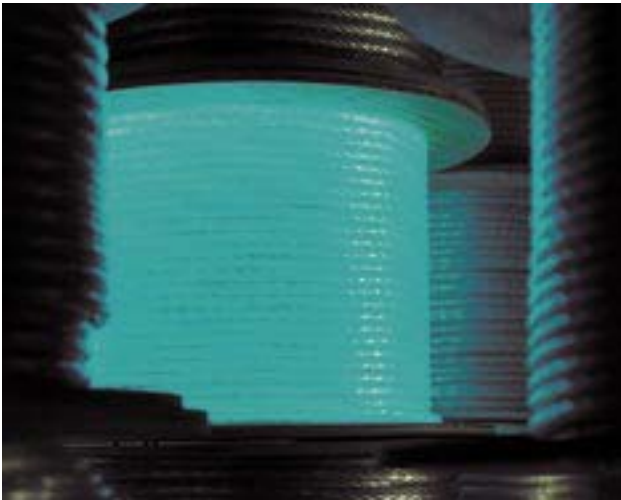
- 84 fibers: .5", 12.7mm
- 126 fibers: .625", 15.9mm

SV84	SV126	
✓	✓	FURNITURES
✓	✓	POOL & SPA PERIMETER
✓	✓	AISLE WAY LIGHTING
✓	✓	DECORATIVE APPLICATIONS

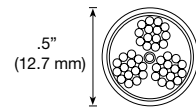


# FIBER OPTIC CABLES

## Ultra SideGlow® Cable



### SV42ULTRA



.5"	42
diameter	strands

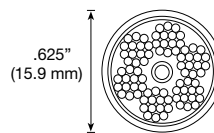
PVC	1.5"
material	bend

multistrands consisted of .030" (0.75mm) fibers
---

Mini	Small	Medium	Large
NA	300'	700'	1,000'
	91M	213M	305M

*Standard Spool Size  
Fiber is sold by the foot*

### SV84ULTRA



.625"	84
diameter	strands

PVC	1.5"
material	bend

multistrands consisted of .030" (0.75mm) fibers
---

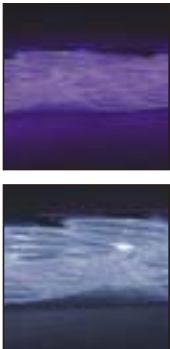
Mini	Small	Medium	Large
NA	300'	700'	1,000'
	91M	213M	305M

*Standard Spool Size  
Fiber is sold by the foot*

Ultra SideGlow® cable is a safe alternative to neon and is energy efficient. Suitable for interior and exterior applications, it is UV protected and has an algacide and fungicide treated exterior jacket for maximum durability against the elements. SideGlow® cable is strong, durable and suitable for extremely hot or 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.

Ultra SideGlow® cable is made up of .040"/ 1.0mm diameter PMMA acrylic optical fibers twisted 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.



# FIBER OPTIC CABLES

## EndGlow® Cable / Small Diameter



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.

### Cable Construction


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

Diameters are based on fiber quantity:

4 fibers:	.125"	3.2 mm
8 fibers:	.187"	4.8 mm
12 fibers:	.219"	5.5 mm

### SV4EG

.125"  
(3.2 mm)



.125"  
diameter

4  
strands

PVC  
material

.5"  
bend


multistrands consisted of  
.030" (0.75mm) fibers

Mini	Small	Medium	Large
1,500'	3,000'	10,500'	N/A
457M	914M	3,200M	

*Standard Spool Size*  
*Fiber is sold by the foot*

### SV8EGW

.187"  
(4.8 mm)



.187"  
diameter

8  
strands

PVC  
material

.5"  
bend


multistrands consisted of  
.030" (0.75mm) fibers

Mini	Small	Medium	Large
1,200'	3,300'	6,500'	8,000'
366M	1,006M	1,981M	2,428M

*Standard Spool Size*  
*Fiber is sold by the foot*

### SV12EG

.219"  
(5.5 mm)



.219"  
diameter

12  
strands

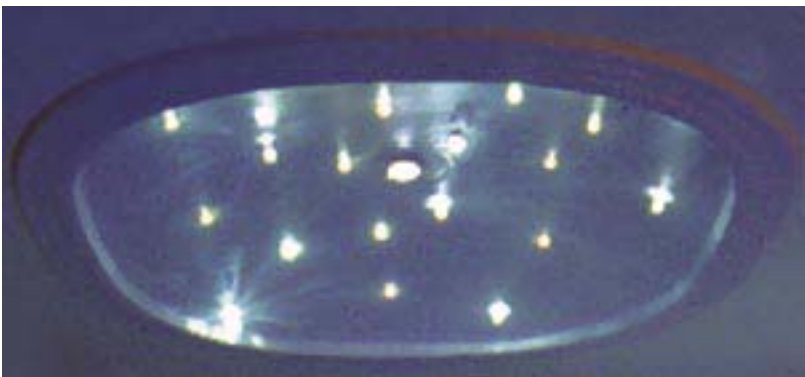
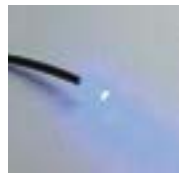
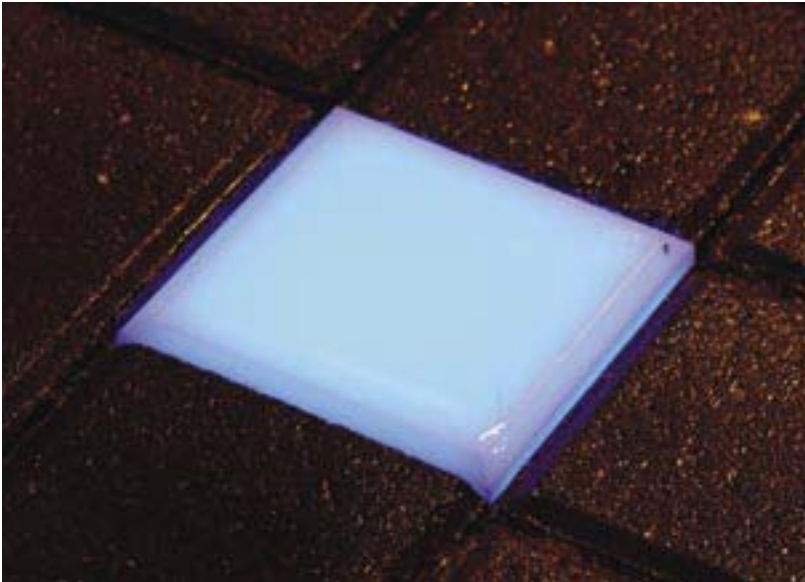
PVC  
material

.5"  
bend

multistrands consisted of  
.030" (0.75mm) fibers

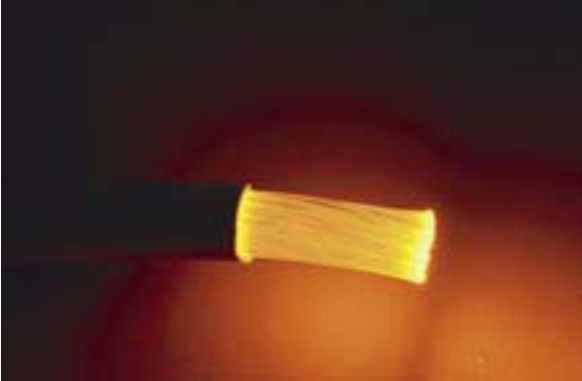
Mini	Small	Medium	Large
1,000'	2,500'	5,000'	7,000'
305M	762M	1,524M	2,134M

*Standard Spool Size*  
*Fiber is sold by the foot*



# FIBER OPTIC CABLES

## EndGlow® Cable / Medium Diameter



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.

### Cable Construction

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

### Diameters are based on fiber quantity:

25 fibers:	.25"	6.35 mm
50 fibers:	.312"	7.9 mm
75 fibers:	.375"	9.5 mm
100 fibers:	.5"	12.5 mm

### SV25EG



.25"	25
diameter	strands

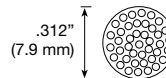
PVC	1"
material	bend

multistrands consisted of .030" (0.75mm) fibers

Mini	Small	Medium	Large
500'	2,000'	4,000'	5,500'
152M	610M	1,219M	1,676M

Standard Spool Size  
Fiber is sold by the foot

### SV50EG



.312"	50
diameter	strands

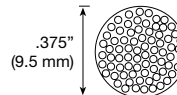
PVC	1"
material	bend

multistrands consisted of .030" (0.75mm) fibers

Mini	Small	Medium	Large
350'	700'	2,200'	2,500'
107M	213M	670M	762M

Standard Spool Size  
Fiber is sold by the foot

### SV75EG



.375"	75
diameter	strands

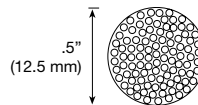
PVC	1.5"
material	bend

multistrands consisted of .030" (0.75mm) fibers

Mini	Small	Medium	Large
200'	650'	1,200'	1,800'
61M	198M	366M	549M

Standard Spool Size  
Fiber is sold by the foot

### SV100EG



.5"	100
diameter	strands

PVC	1.5"
material	bend

multistrands consisted of .030" (0.75mm) fibers

Mini	Small	Medium	Large
N/A	250'	500'	750'
	76M	152M	229M

Standard Spool Size  
Fiber is sold by the foot

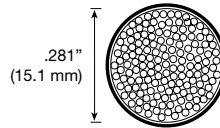


# FIBER OPTIC CABLES

## EndGlow® Cables / Large Diameter



### SV150EG SV150EGW



.281"  
diameter

150  
strands

PVC  
material

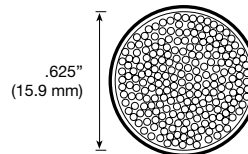
1.5"  
bend

multistrands consisted of  
.030" (0.75mm) fibers

Mini	Small	Medium	Large
N/A	250'	500'	750'
	76M	152M	229M

*Standard Spool Size  
Fiber is sold by the foot*

### SV225EG SV225EGW



.625"  
diameter

225  
strands

PVC  
material

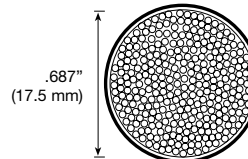
2"  
bend

multistrands consisted of  
.030" (0.75mm) fibers

Mini	Small	Medium	Large
N/A	150'	400'	500'
	46M	122M	152M

*Standard Spool Size  
Fiber is sold by the foot*

### SV300EG SV300EGW



.687"  
diameter

300  
strands

PVC  
material

2"  
bend

multistrands consisted of  
.030" (0.75mm) fibers

Mini	Small	Medium	Large
N/A	150'	250'	500'
	46M	76M	152M

*Standard Spool Size  
Fiber is sold by the foot*

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:

150 fibers:	.281"	15.1 mm
225 fibers:	.625"	15.9 mm
300 fibers:	.687"	17.5 mm

\*Note: Standard cable has black jacket  
add W for white jacket

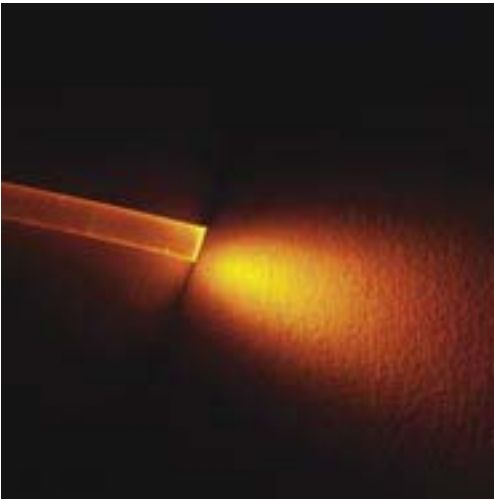


light Boxes behind letters use  
150 strands fibers each



# FIBER OPTIC CABLES

## EndPoint Fiber



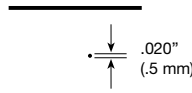
EndPoint fiber is offered on a spool as an individual strand. This is the most economical way to purchase fiber optics. However, caution must be exercised when handling these individual fibers as they do not have a protective PVC jacket.

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, wallsapes and spectacular displays.

### SVPAF20



.020"  
diameter

1  
strands

PVC  
material

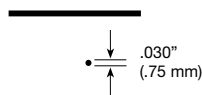
.5"  
bend

Single strand PMMA  
acrylic fiber

19,686'  
6,000M

*Fiber is sold by the spool only*

### 12.0021\*



.030"  
diameter

1  
strands

PVC  
material

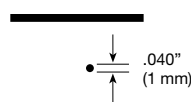
.5"  
bend

Single strand PMMA  
acrylic fiber

29,529'  
9,000M

*Fiber is sold by the spool only*

### 12.0022\*



.040"  
diameter

150  
strands

PVC  
material

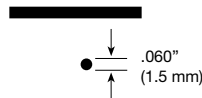
.5"  
bend

Single strand PMMA  
acrylic fiber

16,405'  
5,000M

*Fiber is sold by the spool only*

### SVPAF60



.060"  
diameter

225  
strands

PVC  
material

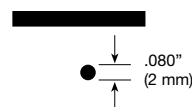
0.75"  
bend

Single strand PMMA  
acrylic fiber

2,296'  
700M

*Fiber is sold by the spool only*

### SVPAF80



.080"  
diameter

1  
strands

PVC  
material

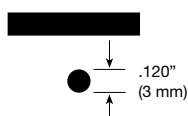
1.25"  
bend

Single strand PMMA  
acrylic fiber

1,148'  
350M

*Fiber is sold by the spool only*

### SVPAF120



.120"  
diameter

1  
strands

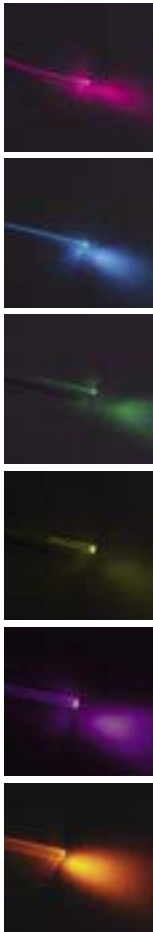
PVC  
material

1.25"  
bend

Single strand PMMA  
acrylic fiber

492'  
150M

*Fiber is sold by the spool only*



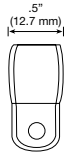


CATALOG NO.	DESCRIPTION	UOM (spool size)
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<b>SVPC-126</b>	<b>For: SV126 and SV84 Ultra cables</b> Width: .625" (15.9mm)	1 Bag – 100 per bag
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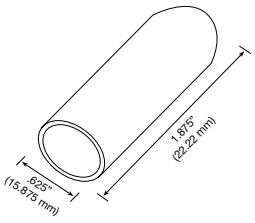
<b>SVPC-84</b>	<b>For: SV84 and SV42 Ultra cables</b> Width: .5" (12.7mm)	1 Bag – 100 per bag
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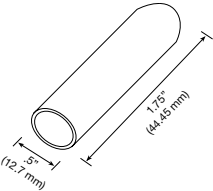
<b>SVPC-42</b>	<b>For: SV42 cable</b> Width: .375" (9.5mm)	1 Bag – 100 per bag
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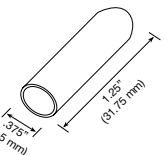
<b>SVEC126</b>	<b>For: SV126 and SV84 Ultra cables</b> Width: .625" (15.875mm) Length: .875" (22.22mm)	1 each
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<b>SVEC84</b>	<b>For: SV84 and SV42 Ultra cables</b> Width: .5" (12.7mm) Length: 1.75" (44.45mm)	1 each
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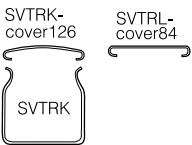


<b>SVEC42</b>	<b>For: SV42 cable</b> Width: .375" (9.5mm) Length: 1.25" (31.75mm)	1 each
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**SVTRK**

<b>SVTRK-COVER84</b>	<b>For: SV126, SV84, SV84 Ultra and SV42 Ultra cables</b>	6 ft. section
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Sections:  
Width: .625" (15.9mm)  
Length: 6' (1828.8mm)  
Height: .57" (14.5mm)

<b>SVTRK-42</b> <b>SVTRK-COVER42</b>	<b>For: SV42 cable</b>	6 ft. section
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Width: .375" (9.5mm)  
Length: 6' (1828.8mm) sections  
Height: .403" (10.25mm)

<b>SVTRK-WHITE</b> <b>SVTRK-COVER84</b>	<b>For: SV126, SV84, SV42 Ultra and SV84 Ultra cables</b>	6 ft. section
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Width: .625"  
Length: 6' (1828.8mm) sections  
Height: .57" (14.5mm)  
*\* Note: Cover will be clear not white*



# FIBER OPTIC CABLES

## Fiber Optic Cable Tools



**CUTTER**

CATALOG NO.	DESCRIPTION	CARTON QTY.
SVC50	Cutter for fiber optic cable	1 each



**DRILL & BITS**

CATALOG NO.	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



**EPOXY**



CATALOG NO.	DESCRIPTION	CARTON QTY.
15.0030	epoxy (dry time 5 min.)	1 each
15.1068	epoxy (dry time 70 min.)	1 each
15.0000	gun	1 each
15.0001	nozzle	1 each



**ROLLER TOOL**

CATALOG NO.	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 NO.	DESCRIPTION	CARTON QTY.
SVC30	Cordless butane hot knife for cutting fibers flush at the fiberhead or light fixtures.	1 each



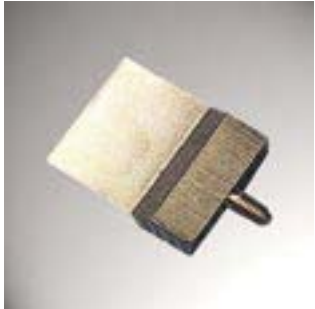
**CORDLESS HOT KNIFE**

CATALOG NO.	DESCRIPTION	CARTON QTY.
SVE30(120V)	Electric hot knife	1 each
SVE30220(220V)	for cutting fibers flush at the fiberhead or light fixtures.	1 each



**ELECTRIC HOT KNIFE**

CATALOG NO.	DESCRIPTION	CARTON QTY.
16.0032 for SVC30 and SVE30220V	Replacement blade for hot knife	1 each



**HOT KNIFE REPLACEMENT BLADE**

## ILLUMINATORS

Often referred to as the light engine, light pump and light source, the illuminator houses the power supply and lamp that provides the light for the fiber optics. The fiber is connected to the illuminator via a fiberhead. 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 10 illuminators and the SV600C can sync up to 35 illuminators

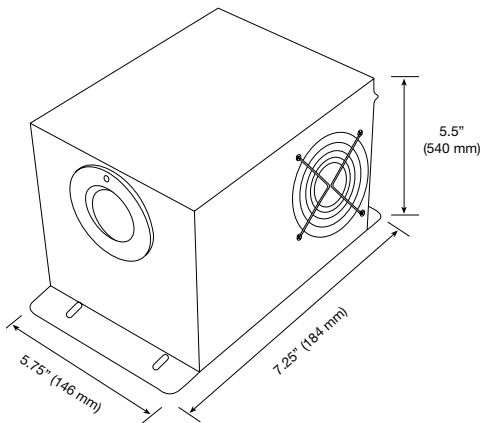
With a booster (an extra SV600C) an application can handle data cable lengths of 2000 feet, or another 35 illuminators, whichever happens first.





optional Sideglow  
Fiberhead (included)

The **SV750** series illuminator provides 75 watts of incandescent quartz halogen illumination for EndGlow® and Star Ceiling 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.



### PRODUCT SPECIFICATIONS

<b>UL Listed:</b>	Dry location
<b>Electrical Rating:</b>	120 VAC, 60 Hz / .70 Amps 220 VAC, 50 Hz / .40 Amps
<b>Lamp:</b>	75 watt quartz halogen lamp 4,000 hours average life
<b>Power Consumption:</b>	88 watts max
<b>Fiber Capacity:</b>	2500 fibers w/.75mm fibers 225 SideGlow® w/.75 mm fibers
<b>Safety Features:</b>	<ul style="list-style-type: none"> <li>• Internal 122°F/ 50°C</li> <li>• thermal protector</li> <li>• power inlet 2 Amp fuse (extra fuse provided)</li> </ul>
<b>Ambient Operation Temp:</b>	-20°F to 110°F • -29°C to 44°C
<b>Dimension:</b>	140mm X 241mm X 146mm 5.5" X 9.5" X 5.75" add 11" (279.4mm) for fiber
<b>Weight:</b>	7 lbs. 3.2 kg.
<b>Finish:</b>	Black powder coated steel
<b>Standard Feature:</b>	On-Off power and color wheel switch
<b>Mounting / Installation:</b>	surface or wall mount
<b>Ventilation:</b>	21 CFM enclosure cooling 6" (152mm) clearance required to nearest surface.24" (610mm) clearance required between each illuminator
<b>Warranty:</b>	2 years (excluding lamp)
<b>Standards:</b>	UL / cUL
<b>IP Rating:</b>	20
<b>dB Rating:</b>	40

### ORDERING INFORMATION

#### MODEL

**SV750 75 Watt Quartz Illuminator**

#### VOLTAGE

120 - 120 VAC, 60 Hz  
220 - 220 VAC, 50 Hz

#### ENDGLOW COLOR WHEEL

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 custom colors)

#### CONTROL SYSTEM

NONE



	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



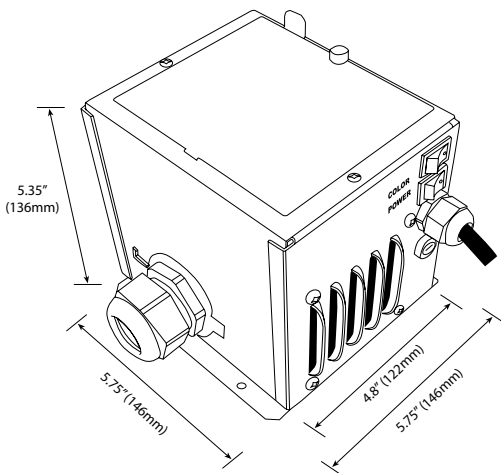
	SV750
SIDEGLOW®	
STAR CEILING	✓
ARCHITECT LIGHTING FIXTURES	
CHANNEL LETTERS	
LANDSCAPE	
POOL & SPA	

# ILLUMINATORS

## SVSPA75



The **SVSPA75** provides 75 watts of incandescent quartz halogen illumination for EndGlow® fiber optic applications. The compact housing fits well into confined spaces and features an optional color and sparkle wheels for dramatic effects. The SPA75 is rated for indoor applications only. It is easy to access door panel allows for easy re-lamping and maintenance. UL listed for dry locations.



### PRODUCT SPECIFICATIONS

<b>UL Listed:</b>	Dry location only
<b>Electrical Rating:</b>	120 VAC, 60 Hz / .70 Amps 220 VAC, 50 Hz / .40 Amps
<b>Lamp:</b>	75 watt quartz halogen lamp 4,000 hours average life
<b>Power Consumption:</b>	88 watts max
<b>Fiber Capacity:</b>	500 fibers w/.75mm fibers
<b>Dimension:</b>	146mm X 122mm X 136mm 5.75" X 4.8" X 5.35" add 1.5" (279.4mm) for fiber head and fiber to "W" position
<b>Weight:</b>	4 lbs. 1.8 kg.
<b>Finish:</b>	Blue powder coated steel No bare metal inside or outside
<b>Standard Feature:</b>	On-Off power and color wheel switch
<b>Mounting / Installation:</b>	surface or wall mount
<b>Ventilation:</b>	21 CFM enclosure cooling 6" (152mm) clearance required to nearest surface.24" (610mm) clearance required between each illuminator
<b>Warranty:</b>	2 years (excluding lamp)
<b>Standards:</b>	Non-detachable power cord (US model only) 220 hard wire unit only
<b>IP Rating:</b>	20
<b>dB Rating:</b>	40

### ORDERING INFORMATION

#### MODEL

SPA75 75 watt quartz halogen lamp illuminator

#### VOLTAGE

120 - 120 VAC, 60 Hz  
220 - 220 VAC, 50 Hz  
12 - 12VDC

#### ENDGLOW COLOR WHEEL

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)

#### CONTROL SYSTEM

N - NONE



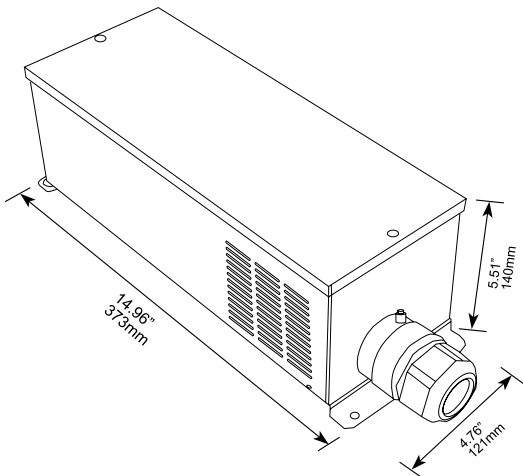
	SPA75
INDOOR	✓
OUTDOOR	
FIBER CAPACITY* *.75mm	500 288(1mm)
CE / UL CUL	✓
LAMP TYPE	75 halogen
LAMP LIFE	4,000 HRS
POWER (VAC)	120 220
CONTROL SYSTEM OPTION	NONE
MOUNTING	WALL HORIZ
COLOR WHEEL OPTION	4 color sparkle



	SPA75
SIDEGLOW®	
STAR CEILING	✓
ARCHITECT LIGHTING FIXTURES	
CHANNEL LETTERS	
LANDSCAPE	
POOL & SPA	



**LitePro** is dry UL listed illuminator with an MR-16 EYC, Dimmable 75 watt lamp rated at 4000 hours average life. DMX controllable and upto 2 color wheels - 1 color wheel and 1 sparkle wheel.



#### PRODUCT SPECIFICATIONS

<b>UL Listed:</b>	Dry Locations, Portable UL file No. E166626
<b>Electronical Rating:</b>	120 VAC, 60 Hz / 24 Amps
<b>Lamp:</b>	150 Watts Halogen 1000 hours rated life Color temperature - 3200 K
<b>Fiber Capacity:</b>	1000 fibers
<b>Ambient Operation Temp:</b>	32°F to 110°F 0°C to 43.3°C
<b>Dimensions:</b>	Without mounting brakets and no fiber head 140mm x 121mm x 373 mm 5.51" x 4.76" x 14.96" With mounting brakets and no fiber head 140mm x 133mm x 398 mm 5.51" x 5.24" x 15.67"
<b>Weight:</b>	6.5 kg 14.33 lbs.
<b>Finish:</b>	Steel Black powder coated steel
<b>Mounting / Installation:</b>	Indoor - horizontal or vertical Theater bar/ rail mount
<b>Ventilation:</b>	Double fan configuration, separate fiberhead and lamp section cooling 23 CFM each compartment
<b>Warranty:</b>	2 years (excluding lamp)
<b>Standards:</b>	UL / cUL
<b>IP Rating:</b>	20
<b>dB Rating:</b>	45dba

#### ORDERING INFORMATION

##### MODEL

LITEPRO 150 watt Halogen Lamp Illuminator

##### VOLTAGE

120 - 120 VAC, 60 Hz

220 - 220 VAC, 50 Hz

##### LITEPRO COLOR WHEEL

###### WHEEL #1

N - None

ESTDC - 4 standard color

###### WHEEL #2

N - None

EWS-SP - 4" Lexan Sparkle wheel

4S-SB - 4 standard

8S-SB - 8 standard

4C-SB - 4 custom

8C-SB - 8 custom

##### CONTROL SYSTEM

N - None

D - DMX



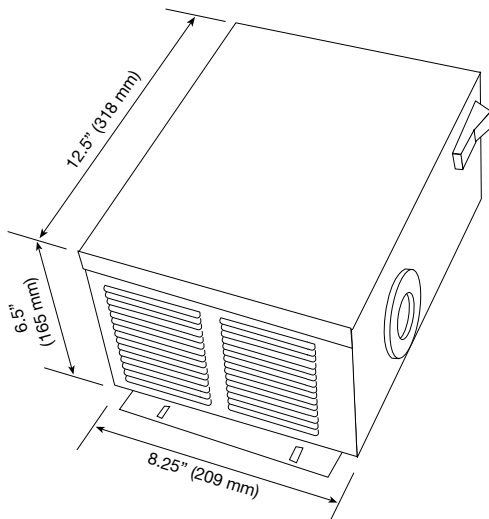
LITEPRO	
INDOOR	✓
OUTDOOR	
FIBER CAPACITY* *.75mm	1000
CE / UL CUL	✓
LAMP TYPE	150W HALOGEN
LAMP LIFE	1,000 HRS
POWER (VAC)	120
CONTROL SYSTEM OPTION	SYNC
MOUNTING	WALL HORIZ
COLOR WHEEL OPTION	2-COLOR



LITEPRO	
SIDEGLOW®	
STAR CEILING	✓
ARCHITECT LIGHTING FIXTURES	
CHANNEL LETTERS	
LANDSCAPE	
POOL & SPA	✓
Fiber Optic Curtain	✓



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.



#### PRODUCT SPECIFICATIONS

<b>UL Listed:</b>	Wet & Dry Locations (Wet location, the unit must face up)
<b>Electrical Rating:</b>	120 VAC, 60 Hz / 0.9 Amps 220 VAC, 50 Hz / 0.45 Amps
<b>Lamp:</b>	70 watt metal halide 9,000 hours average life Color temperature - 3000 K <b>Power</b>
<b>Consumption:</b>	100 watts max
<b>Fiber Capacity:</b>	2500 w/0.75mm fibers
<b>Ambient Operating Temp:</b>	-20°F to 110°F -29°C to 44°C
<b>Dimensions:</b>	8.25" W* x 12.5" L x 6.5" H 209mm x 318mm x 165mm add 15" (381mm) for fiberhead and fiber to "W" position.
<b>Safety Features:</b>	Internal 185°F/ 85° C thermal protector
<b>Weight:</b>	7 lbs. 3.2 kg.
<b>Finish:</b>	Black powder coated steel
<b>Standard Feature:</b>	On-Off power and color wheel switch
<b>Mounting / Installation:</b>	surface or wall mount
<b>Ventilation:</b>	115 CFM enclosure cooling - 6" (152mm) clearance required (recommended) to nearest surface. - 24" (610mm) clearance required between each illuminator
<b>Warranty:</b>	2 years (excluding lamp)
<b>Standards:</b>	Non-detachable power cord (US model only) 220 hard wire unit only
<b>IP Rating:</b>	20
<b>dB Rating:</b>	40

#### ORDERING INFORMATION

StarPro 70 watt metal halide 3.000K illuminator

#### VOLTAGE

120 - 120 VAC, 60 Hz

220 - 220 VAC, 50 Hz

#### ENDGLOW COLOR WHEEL

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)

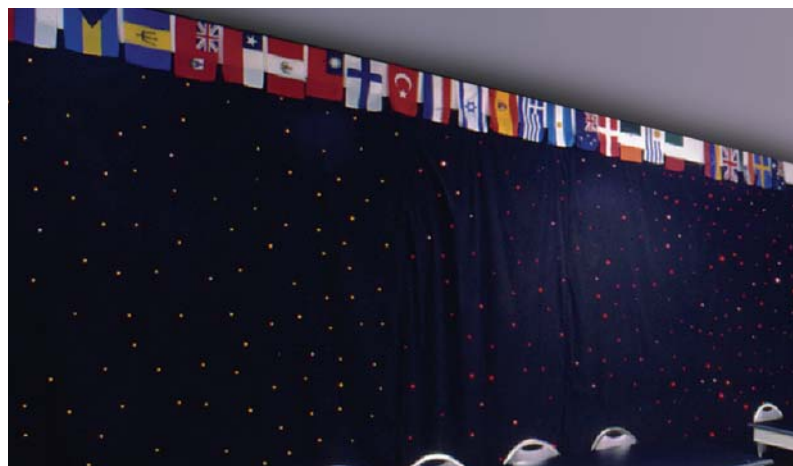
#### CONTROL SYSTEM

N - NONE



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

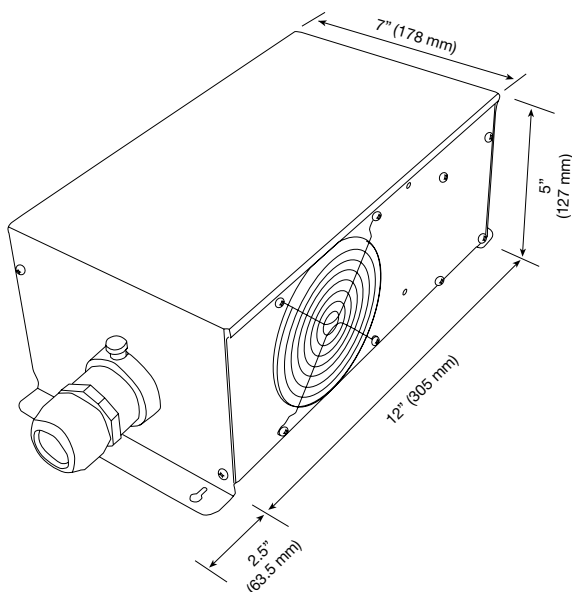


# ILLUMINATORS

## SV1500



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



### PRODUCT SPECIFICATIONS

<b>UL Listed:</b>	Dry Location
<b>Lamp:</b>	<ul style="list-style-type: none"> <li>• 150 watt metal halide</li> <li>• 10,000 hours average life</li> <li>• 6000 hours - color shift</li> </ul>
<b>Fiber Capacity:</b>	500 fibers (w/0.75mm fibers) 288 fibers - Ultra SideGlow®
<b>Power Consumption:</b>	200 Watts, maximum
<b>Safety Features:</b>	<ul style="list-style-type: none"> <li>• Internal 185°F / 85°C thermal protector</li> <li>• Kill switch when cover is open</li> </ul>
<b>Ambient Operating Temp:</b>	-20°F to 110°F -29°C to 44°C
<b>Dimensions:</b>	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
<b>Weight:</b>	16 lbs. 7.3 kg.
<b>Material / Finish:</b>	Steel Black powder coated steel
<b>Standard Features:</b>	1/2" flexible conduit-ready for use with flexible metal conduit.
<b>Mounting / Installation:</b>	Indoor - horizontal or vertical. Note: For vertical mounting fiberhead must face down.
<b>Ventilation:</b>	Forced 115 CFM enclosure cooling Recommended distance from surface, 6" Recommended distance from another light source, 24"
<b>Warranty:</b>	2 Years (excluding lamp)
<b>Standards:</b>	UL / cUL
<b>IP Rating:</b>	20
<b>dB Ratings:</b>	SV1500: 47 / SV1500Q 36

### ORDERING INFORMATION

#### MODEL

##### SV1500

SV1500 - 150 Watt Metal Halide Illuminator

SV1500Q - Quiet Version 150 Watt Metal Halide Illuminator

#### VOLTAGE

- 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 amp / 3 amps
- 240 VAC, 50 Hz, 1.2 amps / 3 amps
- 277 VAC, 60 Hz, 1.2 amps / 3 amps

#### ENDGLOW COLOR WHEEL

- N - none
- 4S-SB - 4 Standard
- 8S-SB - 8 Standard
- 4C-SB - 4 Custom
- 8C-SB - 8 Custom

#### CONTROL SYSTEM

- N - none
- S - Synchronous
- MS- 300C master module/sync

\* Synchronous option where a master unit also must be a slave synchronous unit



	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

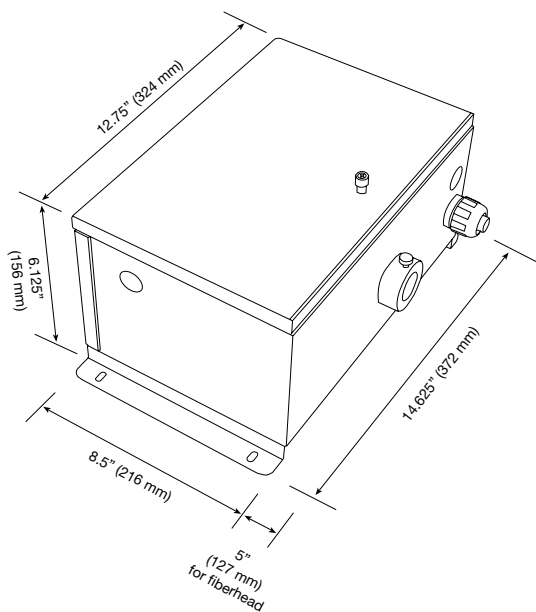


	SV1500
SIDEGLOW®	✓
STAR CEILING	
ARCHITECT LIGHTING FIXTURES	✓
CHANNEL LETTERS	✓
LANDSCAPE	
POOL & SPA	





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.



#### PRODUCT SPECIFICATIONS

<b>UL Listed:</b>	Wet and dry locations
<b>Lamp:</b>	150 att metal halide 10,000 hours average life 6,000 hours color shift Vision 2 Technology
<b>Fiber Capacity:</b>	500 fibers w/ 0.75mm fibers 288 fibers - Ultra SideGlow®(1mm)
<b>Power Consumption:</b>	300 Watts, maximum
<b>Safety Features:</b>	Internal 185°F / 85°C thermal protector
<b>Ambient Operating Temp:</b>	-20°F to 110°F -29°C to 44°C
<b>Dimensions:</b>	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.
<b>Weight:</b>	23 lbs. 10.5 kg
<b>Material / Finish:</b>	Black powder coated steel
<b>Mounting / Installation:</b>	Surface or wall mount (wall mount horizontal fiberhead direction only) Must be flush mounted to surface for proper air separation between compartments.
<b>Ventilation:</b>	115 CFM enclosure cooling 28 CFM fiber tunnel cooling Recommended distance from surface, 6" Recommended distance from another light source, 24"
<b>Warranty:</b>	2 Years (excluding lamp)
<b>Standards:</b>	UL / cUL
<b>IP Rating:</b>	23
<b>dB Ratings:</b>	FiberPro:52 FiberPro-Q:35

#### ORDERING INFORMATION

##### FIBERPRO

FIBERPRO: 150 watt metal halide illuminator

FIBERPRO-Q: Quiet Version 150 watt metal halide illuminator

##### VOLTAGE

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

##### LAMP

40-GA - 4,000K / 30-GA - 3,000K

##### ENDGLOW COL

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

##### CONTROL SYSTEM

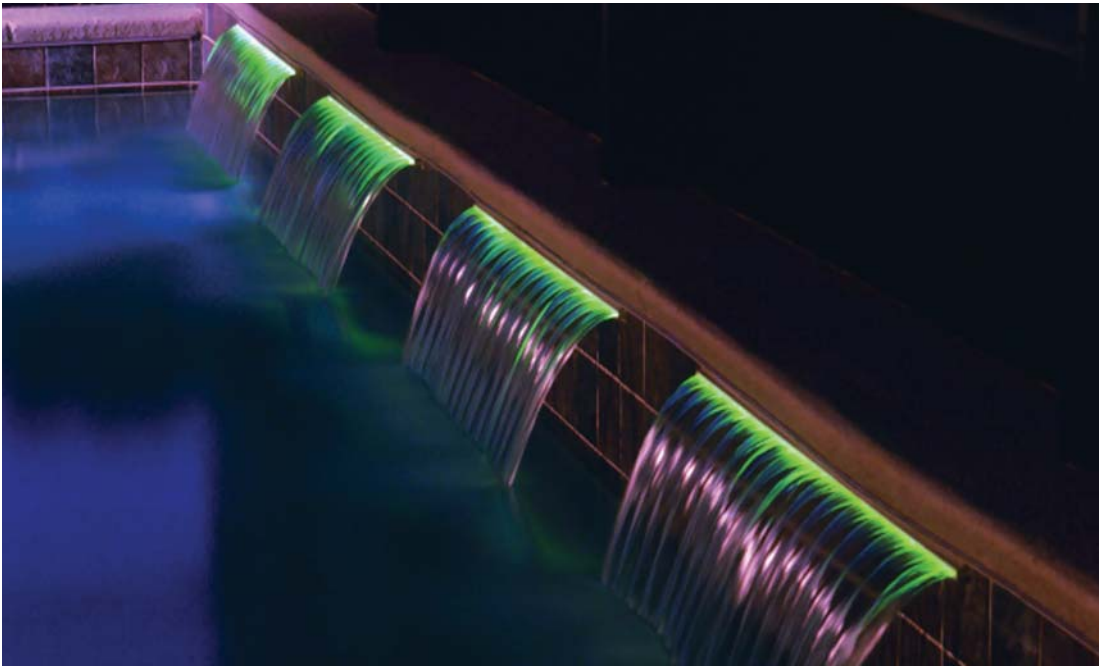
N - none / S - Synchronous / D - DMX 512 compatible

MS - 300C master module/ sync

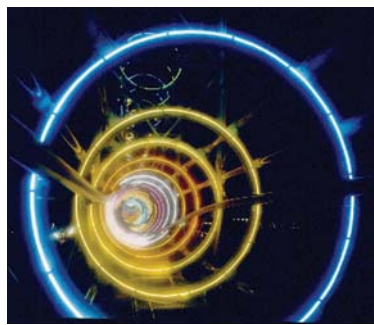
\* Synchronous option where a  
master unit also must be a  
slave synchronous unit



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

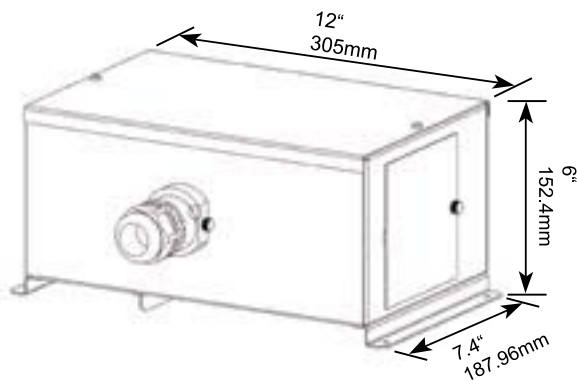


FIBERPRO 150	
SIDEGLOW®	✓
STAR CEILING	
ARCHITECT LIGHTING FIXTURES	✓
CHANNEL LETTERS	✓
LANDSCAPE	
POOL & SPA	✓





The **ES-150** is a white light high lumen output illuminator utilizes a 150 watt metal halide / high intensity discharge lamp rated at 10,000 hours average life. The ES-150 is UL listed for interior use only. The ES150 utilizes a unique dual parabolic reflector design that provides a 30% increase in lumen output versus traditional 150 watt metal halide illuminators. The result is clean, bright white light.



### PRODUCT SPECIFICATIONS

<b>UL Listed:</b>	Dry locations UL file No.E166626
<b>Electrical Rating:</b>	<ul style="list-style-type: none"> <li>• 120 VAC, 60 Hz / 1.8 Amps / 3 Amps (start up)</li> <li>• 220 VAC, 50 Hz / 1.2 Amps / 3 Amps</li> <li>• 230 VAC, 50 Hz / 1.2 Amps / 3 Amps</li> <li>• 240 VAC, 60 Hz / 1.2 Amps / 3 Amps</li> <li>• 277 VAC, 60 Hz / 1.2 Amps / 3 Amps</li> </ul>
<b>Transformer:</b>	Magnetic
<b>Lamp:</b>	150 MH/HID lamp rated at 10,000 hours 150 watt metal halide 6,000 hours color shift 4200K
<b>Fiber Capacity:</b>	6 fiber - 9mm light port 18 fiber - 3mm light port 500 fibers
<b>Power Consumption:</b>	200 Watts, maximum
<b>Safety Features:</b>	Kill switch when side access door (for lamp replacement) is opened Internal 185°F / 85°C thermal protector
<b>Ambient Operating Temp:</b>	-20°F to 110°F -29°C to 44°C
<b>Dimensions:</b>	7.4"(W) x 12"(L) x 6"(H) 187.96mm x 305mm x 152.4mm Add 2.7" / 68.58mm for fiberhead
<b>Weight:</b>	18 lbs. 8.2 kg.
<b>Material / Finish:</b>	Steel/Silver Metallic Water, corrosion and chemical resistant
<b>Mounting / Installation:</b>	Indoor - horizontal Note: For vertical mounting fiberhead must face down.
<b>Ventilation:</b>	Forced 21 CFM enclosure cooling
<b>Warranty:</b>	2 Years (excluding lamp)
<b>Standards:</b>	UL / cUL
<b>IP Rating:</b>	20
<b>dB Ratings:</b>	40dbA

### ORDERING INFORMATION

#### ES150

ES150 -150 Watt Metal Halide / HID Illuminator

#### VOLTAGE

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

#### ENDGLOW COLOR WHEEL

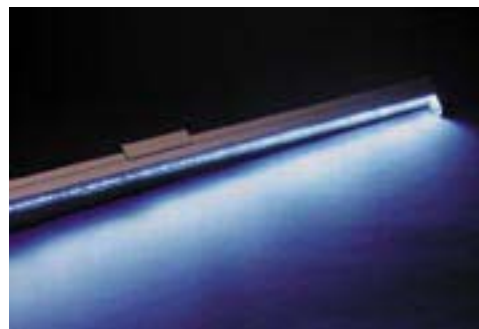
N - none

#### CONTROL SYSTEM

N - none



	ES150
INDOOR	<input checked="" type="checkbox"/>
OUTDOOR	<input type="checkbox"/>
FIBER CAPACITY* *.75mm	500 6-9mm
CE / UL CUL	<input checked="" type="checkbox"/>
LAMP TYPE	150W HID
LAMP LIFE	10,000 HRS
POWER (VAC)	220 277
CONTROL SYSTEM OPTION	NONE
MOUNTING	WALL HORIZ
COLOR WHEEL OPTION	NONE

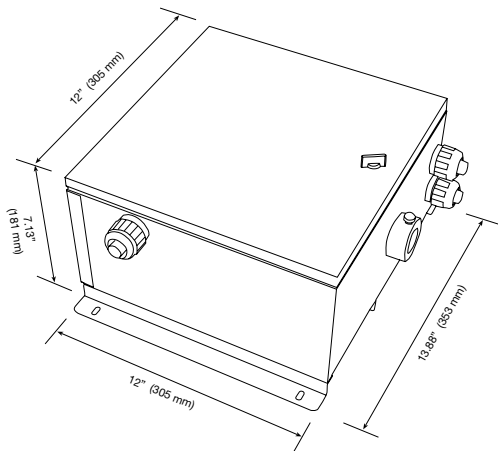


	ES150
SIDEGLOW®	<input checked="" type="checkbox"/>
STAR CEILING	<input type="checkbox"/>
ARCHITECT LIGHTING FIXTURES	<input checked="" type="checkbox"/>
CHANNEL LETTERS	<input type="checkbox"/>
LANDSCAPE	<input type="checkbox"/>
POOL & SPA	<input type="checkbox"/>

## Eclipse II



The **ECLIPSE II** wet and dry UL listed illuminator with a 250 watt HID lamp rated at 4,000 hours average life. Recommended for SideGlow® interior and exterior applications.

**PRODUCT SPECIFICATIONS**

<b>UL Listed:</b>	Wet & Dry Locations (Wet location, a unit must be installed on a horizontal mount (face up))
<b>Electrical Rating:</b>	120 VAC, 60 Hz / 4.6 Amps 220 VAC, 50 Hz / 3 Amps 277 VAC, 60 Hz / 2.5 Amps
<b>Lamp:</b>	250 watt metal halide 4,000 hours average life Color temperature - 4200 K Horizontal burn position only
<b>Power Consumption:</b>	600 watts max.
<b>Fiber Capacity:</b>	500, 0.75mm fibers/ 288(1mm) fibers
<b>Safety Features:</b>	Internal 185°F/ 85° C thermal protector
<b>Ambient Operating Temp:</b>	-20°F to 110°F -29°C to 44°C
<b>Dimensions:</b>	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
<b>Weight:</b>	27 lbs. 12.2 kg
<b>Material/Finish:</b>	Black powder coated steel
<b>Mounting / Installation:</b>	Surface or wall mount horizontal fiberhead direction only. Must be flush mounted to surface for proper air separation between compartments.
<b>Ventilation:</b>	115 CFM enclosure cooling
<b>Warranty:</b>	2 Years (excluding lamp)
<b>Standards:</b>	UL / cUL
<b>IP Rating:</b>	23
<b>dB Rating:</b>	56

**ORDERING INFORMATION****ECLIPSE II**

250 watt metal halide illuminator

**VOLTAGE**

120 - 120 VAC, 60 Hz  
220 - 220 VAC, 50 Hz  
277 - 277 VAC, 60Hz

**COLOR WHEEL**

N - none  
4S-SB - 4 Standard  
8S-SB - 8 Standard  
4C-SB - 4 Custom  
8C-SB - 8 Custom

**CONTROL SYSTEM**

N - none  
S - Synchronous  
D - DMX 512 compatible  
MS- 300C master module/sync

\* Synchronous option where a master unit also must be a slave synchronous unit



	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

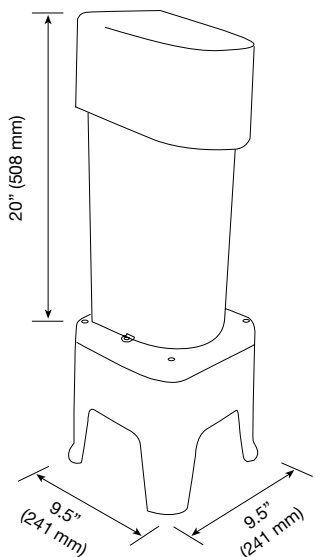
	ECLIPSE II
SIDEGLOW®	✓
STAR CEILING	
ARCHITECT LIGHTING FIXTURES	
CHANNEL LETTERS	✓
LANDSCAPE	
POOL & SPA	

# ILLUMINATORS

## SV150T



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)



### PRODUCT SPECIFICATIONS

<b>UL Listed:</b>	Wet Locations
<b>Electrical Rating:</b>	<ul style="list-style-type: none"> <li>• 120 VAC, 60 Hz / 3 Amps (start up)</li> <li>• 120 VAC, 60 Hz / 1.8 Amps (running)</li> <li>• 220-240 VAC, 50 Hz / 3.0 Amps (start up)</li> <li>• 220-240 VAC, 60 Hz / 1.2 Amps (running)</li> </ul>
<b>Lamp:</b>	150 watt metal halide - 4,000K 10,000 hours average life
<b>Fiber Capacity:</b>	<ul style="list-style-type: none"> <li>• 550 fibers maximum w/.75mm fibers -</li> <li>• 288 fibers - Ultra SideGlow™ 1mm</li> <li>• 756 fibers maximum (upgrade) .75mm</li> <li>• 435 fibers maximum - Ultra Sideglow™ (upgrade) 1mm</li> </ul>
<b>Power Consumption:</b>	200 watts max.
<b>Storage Temperature:</b>	-40°F to 140°F -40°C to 60°C
<b>Ambient Operating Temp:</b>	-20°F to 110°F -29°C to 44°C
<b>Motors:</b>	1RPM motor
<b>Dimensions:</b>	9.5" x 9.5" x 20" 241mm x 241mm x 508mm
<b>Weight:</b>	21 lbs. 9.5 kg.
<b>Material/Finish:</b>	UV stabilized materials Water, corrosion and chemical resistant
<b>Mounting / Installation:</b>	Surface or burial mount up to area below fan location.
<b>Standard Features:</b>	<ul style="list-style-type: none"> <li>• On/off power and color wheel switch</li> <li>• Dial for color timing (control only)</li> <li>• 3 sec - 1 hr continuous adjustment</li> </ul>
<b>Ventilation:</b>	Forced ventilation 115 CFM, FAN: 20 Watts, 80,000 hrs. life 6" clearance required to nearest surface. 2' clearance between each illuminator.
<b>Warranty:</b>	2 Years. (excluding lamp)
<b>Upgrades:</b>	White only to 6 colors 550 - 756 fiber head RF controlled light source (surface)
<b>Standards:</b>	UL / cUL
<b>IP Rating:</b>	23
<b>dB Rating:</b>	48

### ORDERING INFORMATION

#### MODEL

<b>SV150T1</b>	150 watt tower illuminator, no color, standard, 120V
<b>SV150T220</b>	150 watt tower illuminator, no color, standard, 220V
<b>SV150T6</b>	150 watt tower illuminator, 6 color, standard, 120V
<b>SV150T6220</b>	150 watt tower illuminator, 6 color, standard, 220V
<b>* SV150T6C</b>	150 watt tower illuminator, 6 color, controlled, 120V
<b>* SV150T6C220</b>	150 watt tower illuminator, 6 color, controlled, 220V

\* - no need for SV300C or SV600C

#### ACCESSORIES

<b>SVFH756KIT</b>	-Upgrade kit for SV150T6
<b>17.0609</b>	- Data cable for controlled tower unit
<b>16.0099</b>	- Screw driver, LS color tempo, SV150T6
<b>SVRFCK</b>	- Handheld remote control
<b>SVRFCK-220</b>	- Handheld remote control for SV150T6C220
<b>10.0600-4K</b>	- 4 button remote receiver
<b>10.0600-4K220</b>	- 4 button remote receiver - 220V
<b>10.0600-1K</b>	- 4 button remote transmitter
<b>10.0600-1K220</b>	- 4 button remote transmitter - 220V



	150T
INDOOR	✓
OUTDOOR	✓
FIBER CAPACITY*	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

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



# ILLUMINATORS

## Controller - SV300C

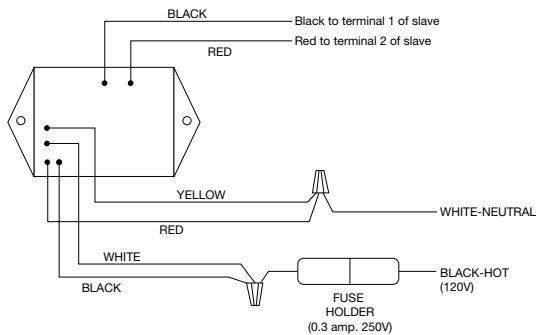


The SV300C is designed as an economical alternative to the SV600C for small to medium applications, involving 1 to 10 synchronous illuminators. Its purpose is to keep those illuminators in constant synchronous operation. The unit is UL, cUL and CE approved, and is designed to work with 120VAC, 60Hz and 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.

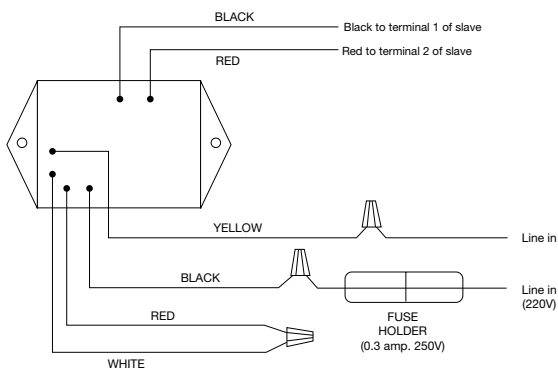
Note: Master Module not sold separately.

\* Synchronous option where a master unit also must be a slave synchronous unit

### INTERNAL WIRING DIAGRAM FOR 120V, 60HZ



### INTERNAL WIRING DIAGRAM FOR 220-240V, 50HZ

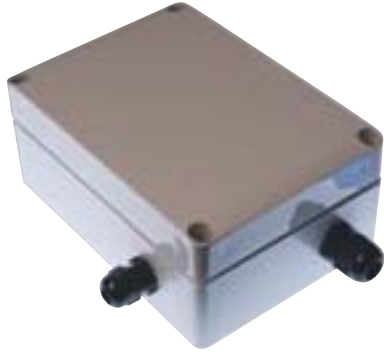


### PRODUCT SPECIFICATIONS

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

### ORDERING INFORMATION

SV300	DESCRIPTION	CARTON QTY
SV300	Synchronous control system	1 each
SVCC10	Data cable for SV300C	per foot



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.

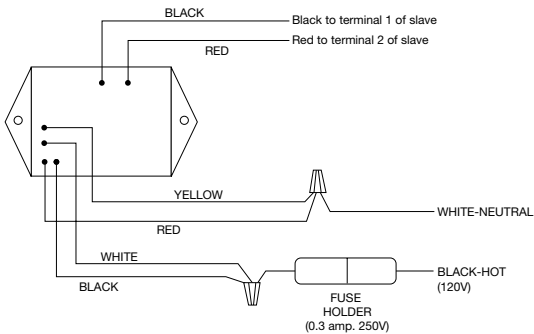
### PRODUCT SPECIFICATIONS

Electrical Rating:	120 VAC, 60 Hz 220 VAC, 50 Hz
Dimensions:	3.21" x 4.92" x 7.67" 81.5mm x 125mm x 195mm
Construction:	Plastic
Location Listing:	Indoor/outdoor
Maximum Number Illuminators:	35
Wire Type:	600V, type TC control cable 18 AWG, 2 conductor Vinyl nylon tray cable UV resistant, suitable for direct burial
Standards:	UL / cLU
IP Rating	23

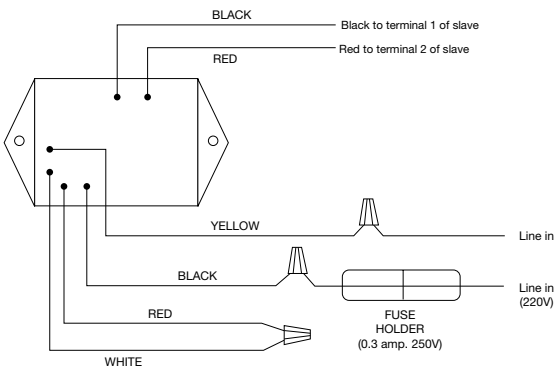
### ORDERING INFORMATION

SV600C	DESCRIPTION	CARTON QTY
SV600C	Synchronous control system	1 each
SVCC10	Data cable for SV300C	per foot

### INTERNAL WIRING DIAGRAM FOR 120V, 60HZ



### INTERNAL WIRING DIAGRAM FOR 220-240V, 50HZ



# ILLUMINATORS

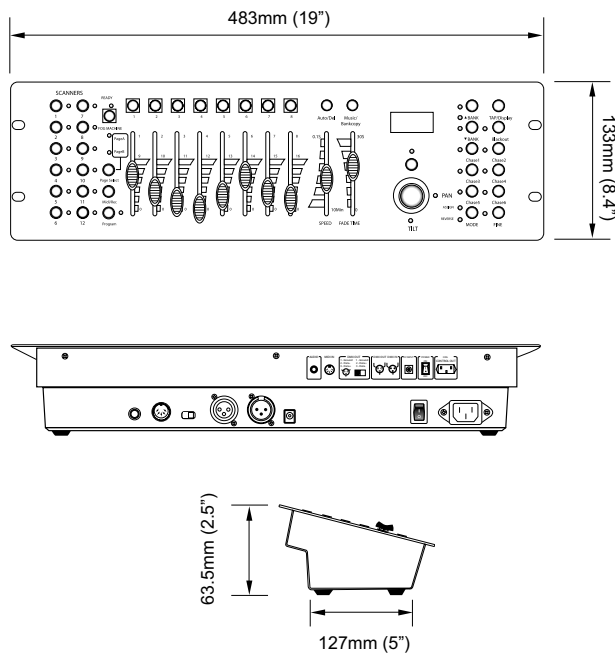
## Console DMX Controller

Note : For other DMX control systems, refer to page 18.



SaVi-Console is one of the most complete universal DMX controllers available. One feature that sets it apart is its professional, soft touch joystick. Another is a unique override button that gives you complete control of selectable units. Here's how it works: Play back your show and select the fixture(s) by pushing the override button. When you disengage the button, the unit(s) will join the show again.

SaVi Console also comes with a fog button to operate non-DMX foggers. This all-inclusive unit stores 240 scenes in 30 banks utilizing a maximum of 192 DMX-channels. It is Midi compatible and features sound-activation, tap sync, auto run, and a polarity selector for older units. You've now found your savviest ally!



<b>Power:</b>	120 or 240 VAC, 50-60 Hz 25 watts maximum UL listed Class 2 power adapter
<b>Dimensions:</b>	1.75" x 19" x 6.5" (45mm x 483mm x 165mm)
<b>Operating Temperature:</b>	0 - 35°C (32 - 100°F) 0 - 90% relative humidity, non-condensing
<b>Front Panel:</b>	Power LED Acknowledge (ACK) LED Error LED Serial Activity LED
<b>Rear Panel:</b>	8 Push buttons Programming Port DB-9M 1 Serial Port DB-9M Discrete Inputs DB-37F Power Barrel Connector
<b>Serial Port:</b>	RS-232C 300 baud - 38.4 kbaud 7, 8 or 9 Data Bits 1 or 2 Stop Bits All parity types
<b>Inputs:</b>	(16) TTL inputs, internally pulled up to +5 VDC, suitable for contact-closure operation. Trigger latency <1 frame.
<b>Show Memory:</b>	32 Kbyte EEPROM. Nonvolatile, robust memory retains show data permanently with no battery backup required.

### ORDERING INFORMATION

<b>MODEL</b>	
<b>SaVi-192-120</b>	Console DMX Controller- 120 volt
<b>SaVi-192-240</b>	Console DMX Controller- 240 volt
<b>02.1120</b>	Replacement Transformer - 120volt
<b>02.0240</b>	Replacement Transformer - 240volt



CATALOG NO.	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 NO.	DESCRIPTION	CARTON QTY
14.0008	Holds and secures SV8EGW fiber for backlit "halo" sign and channel letters	1
14.0009	For SV12EG Cable	1



CATALOG NO.	DESCRIPTION	CARTON QTY
SVFH500KIT*	Fiberhead for illuminators: SV1500 discontinued SV2000 discontinued	1

*\*Available special order*



CATALOG NO.	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
SVFH600KIT	600 fiber capacity for SV1500, FIBERPRO and ECLIPSE II (Recommended for EndGlow applications only)	1
SVFH500ECQ	Fiberhead kit for SV1500Q and FIBERPROQ illuminators	1



4S-SB

**Standard Colors:**

- A • Clear - Color No.0
- B • Hot Pink - Color No.3
- C • Lime Green - Color No.12
- D • Cyan - Color No.8

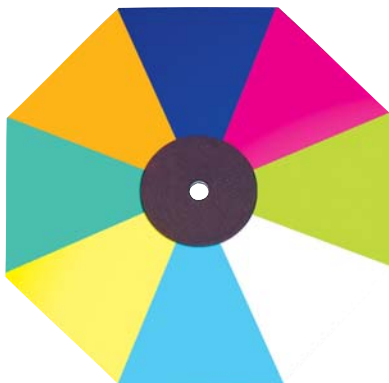


6S-HC

\*For SV150T Only

**Standard Colors**

- A • Clear - Color No.0
- B • Cyan - Color No.8
- C • Yellow - Color No.13
- D • Turquoise - Color No.9
- E • Orange - Color No.15
- G • Hot Pink - Color No.3



8S-SB

**Standard Colors**

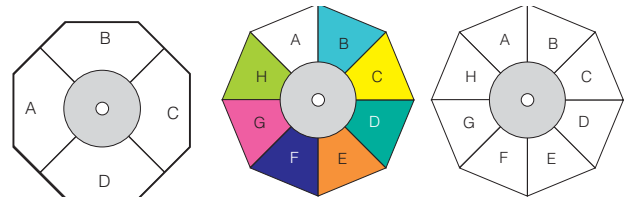
- A • Clear - Color No.0
- B • Cyan - Color No.8
- C • Yellow - Color No.13
- D • Turquoise - Color No.9
- E • Orange - Color No.15
- F • Dark Blue - Color No.5
- G • Hot Pink - Color No.3
- H • Lime Green - Color No.12

**ORDERING INFORMATION**

**MODEL**

- 4S-SB Standard 4 colors glass color wheel
- 4C-SB Custom (choose) 4 colors glass color wheel
- 6S-HC Standard 6 color glass color wheel only for SV150T
- 8S-SB Standard 8 colors glass color wheel
- 8C-SB Custom (choose) 8 colors glass color wheel

**CUSTOM COLOR OPTIONS**



**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

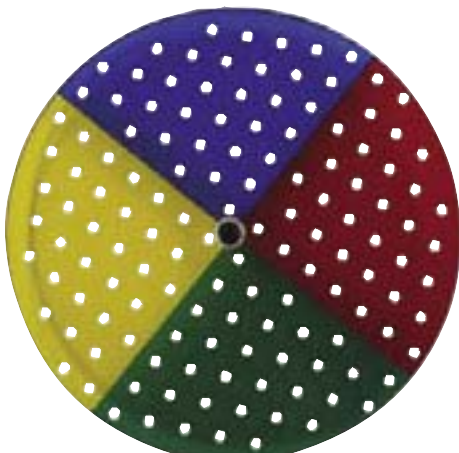
**Custom 8-Color Wheel**

- A • \_\_\_\_\_
  - B • \_\_\_\_\_
  - C • \_\_\_\_\_
  - D • \_\_\_\_\_
  - E • \_\_\_\_\_
  - F • \_\_\_\_\_
  - G • \_\_\_\_\_
  - H • \_\_\_\_\_
- (Note color & number)

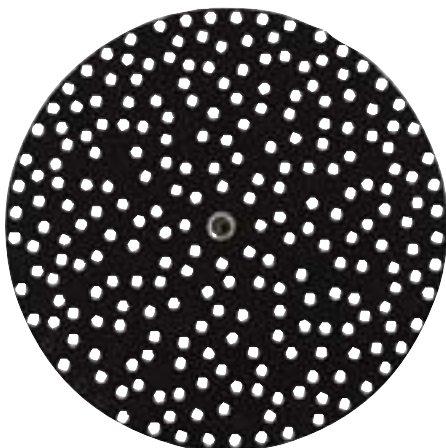
*When ordering replacement colors wheels, specify the illuminator model and control system, if applicable.*



**ESTDC**



**ESTDS**



**EWS**

**ORDERING INFORMATION**

**MODEL**

<b>ESTDC</b>	Standard colors lexan wheel
<b>ESTDS</b>	Standard sparkle lexan wheel
<b>EWS</b>	White sparkle lexan wheel
<b>COLORWHEEL</b>	Custom (choose) 4 colors lexan color wheel
<b>COLORWHEEL8</b>	Custom (choose) 8 colors lexan color wheel

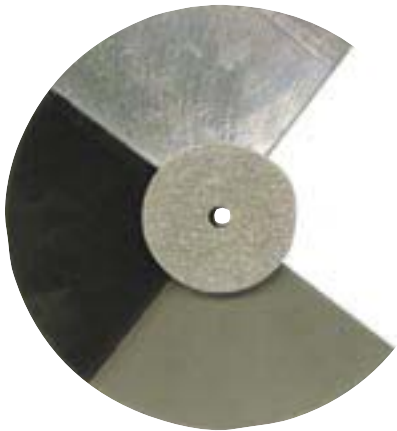


**Lexan Color Wheels**

4.5" diameter Lexan Color Wheel  
for SV POP signs



**SPARKLE WHEEL  
ECWMS**

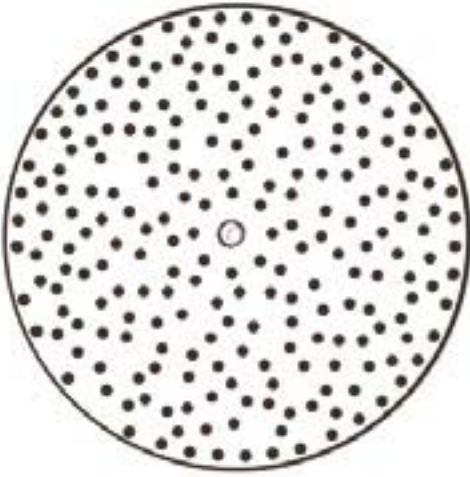


**DIMMING WHEEL  
SVDIMWHEELNEW**

### ORDERING INFORMATION

#### MODEL

<b>ECWMS</b>	Metal sparkle wheel for SV1500, SV2000
<b>SVDIMWHEELNEW</b>	Metal dimming wheel for dimming unit



**ESG**  
**Standard Grey Wheel**



**EC**  
**Clear Wheel**

**ORDERING INFORMATION**

**MODEL**

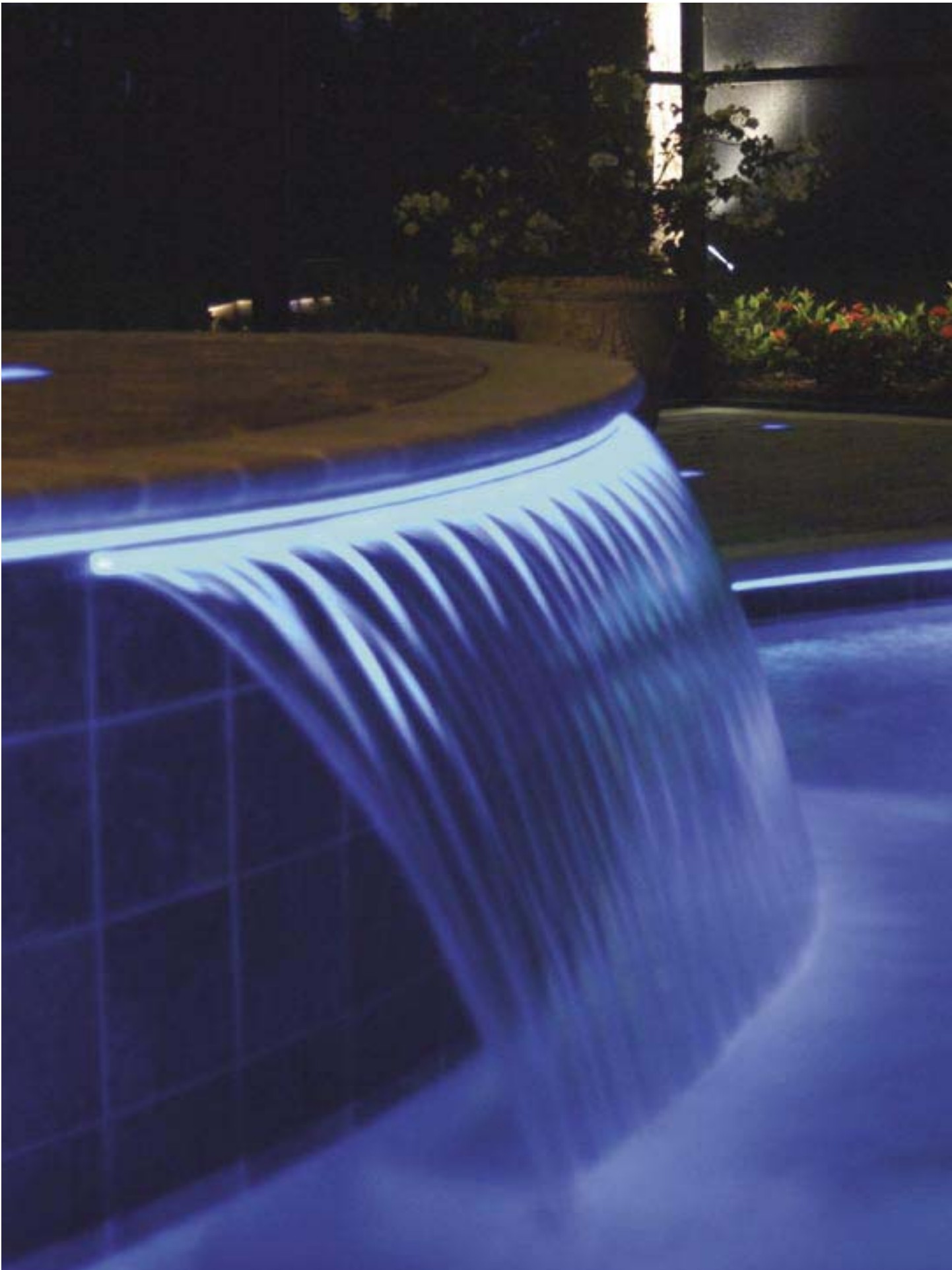
ESG	Standard grey lexan filter gel
EC	Clear lexan wheel

## **WATERFALLS**

Flowing water has provided people with the feelings of comfort and relaxation for ages.

Oasis waterfalls are designed to simulate your sense of sight, sound and touch with gentle rainfall effects, smooth falling water and dramatic visual beauty.

All Oasis waterfall products are manufactured with the highest quality standards for residential and commercial applications.



# WATERFALLS

## Oasis Original Waterfall™

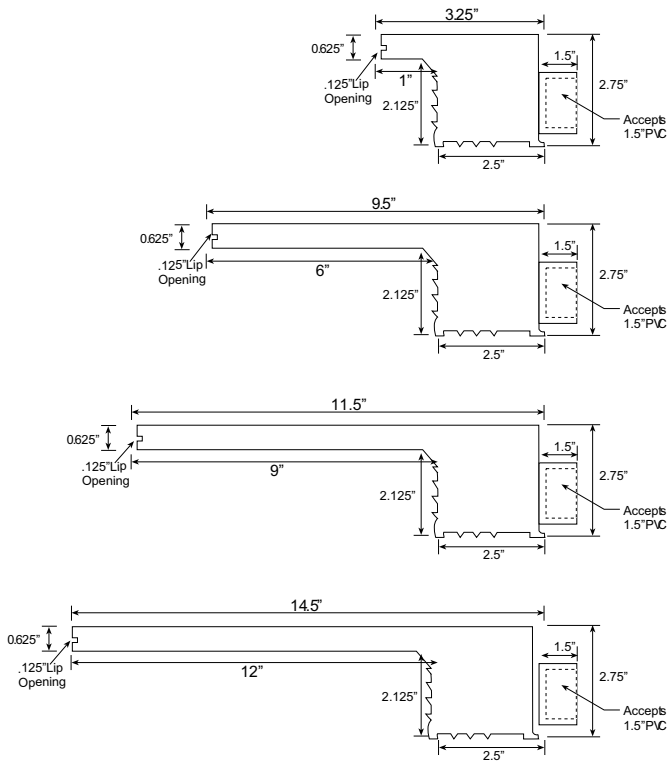


Original Oasis Fall™ is one of the most popular waterfalls on the market. It creates a beautiful sheet flow effect.

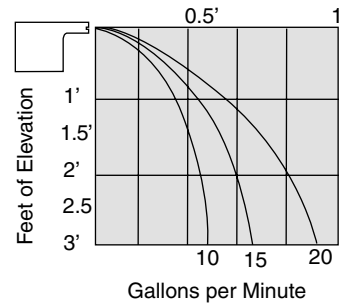
**ITEM NUMBER**

**DESCRIPTION**

OAWF-12EL - 1, 6, 9 OR 12	12" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip
OAWF-18EL - 1, 6, 9 OR 12	18" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip
OAWF-24EL - 1, 6, 9 OR 12	24" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip
OAWF-36EL - 1, 6, 9 OR 12	36" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip
OAWF-48EL - 1, 6, 9 OR 12	48" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip
OAWF-60EL - 1, 6, 9 OR 12	60" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip
OAWF-72EL - 1, 6, 9 OR 12	72" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip
OAWF-84EL - 1, 6, 9 OR 12	84" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip
OAWF-96EL - 1, 6, 9 OR 12	96" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip

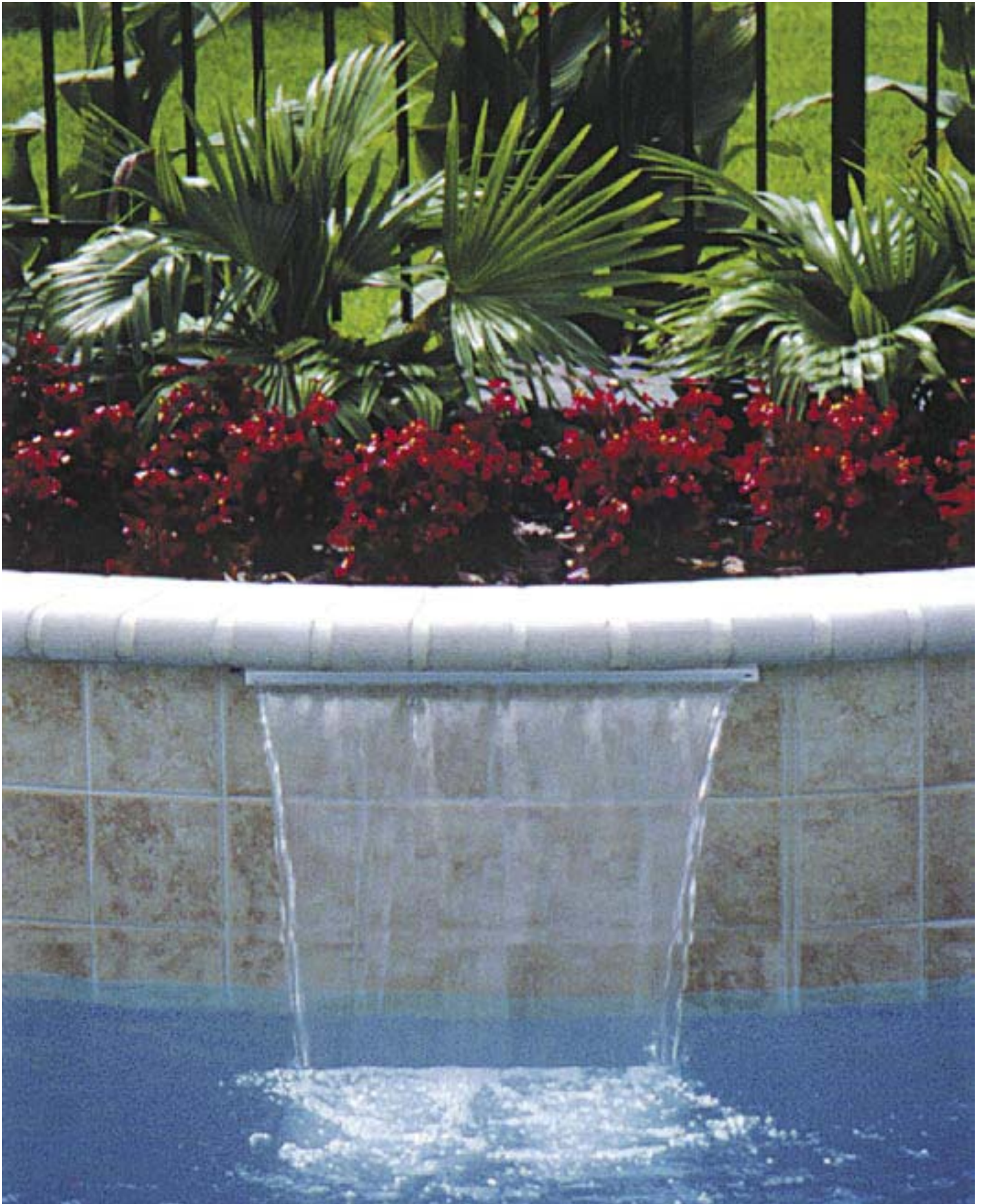


**Approximate Flow Projection**  
(per foot of weir opening)



NOTE: All waterfalls are backfeed. Bottom feed available by request.

Patent Pending Proprietary Technology



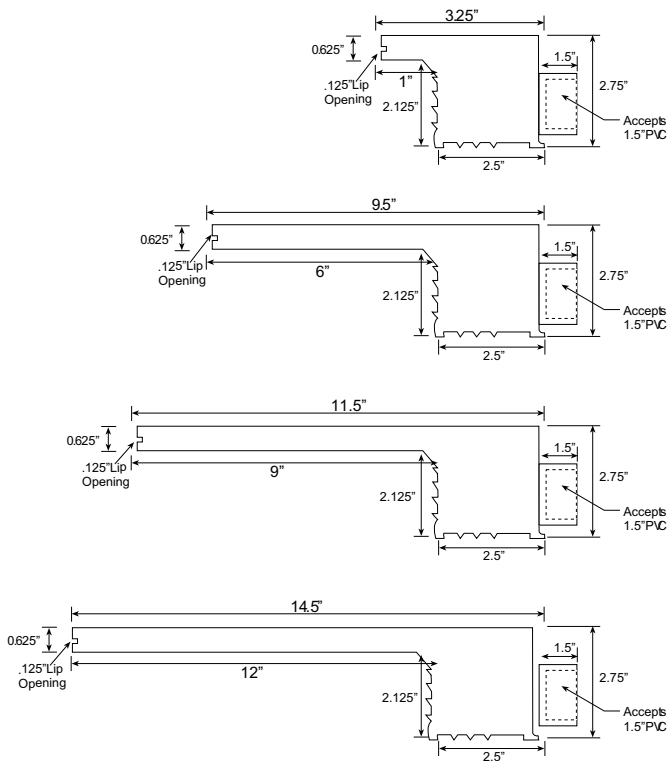
# WATERFALLS

## Oasis Rainforest Fall™



Rainforest Fall™ creates a beautiful texture and tranquil, mesmerizing sound.

NOTE: It is recommended to use the Rainforest Fall Filter.

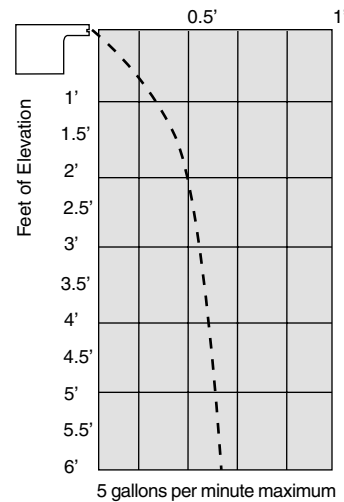


**ITEM NUMBER**

**DESCRIPTION**

OARF-12EL - 1, 6, 9 OR 12	12" backfeed pvc Rainforest Fall with 1", 6", 9" or 12" extended lip
OARF-18EL - 1, 6, 9 OR 12	18" backfeed pvc Rainforest Fall with 1", 6", 9" or 12" extended lip
OARF-24EL - 1, 6, 9 OR 12	24" backfeed pvc Rainforest Fall with 1", 6", 9" or 12" extended lip
OARF-36EL - 1, 6, 9 OR 12	36" backfeed pvc Rainforest Fall with 1", 6", 9" or 12" extended lip
OARF-48EL - 1, 6, 9 OR 12	48" backfeed pvc Rainforest Fall with 1", 6", 9" or 12" extended lip
OARF-60EL - 1, 6, 9 OR 12	60" backfeed pvc Rainforest Fall with 1", 6", 9" or 12" extended lip
OARF-72EL - 1, 6, 9 OR 12	72" backfeed pvc Rainforest Fall with 1", 6", 9" or 12" extended lip
OARF-84EL - 1, 6, 9 OR 12	84" backfeed pvc Rainforest Fall with 1", 6", 9" or 12" extended lip
OARF-96EL - 1, 6, 9 OR 12	96" backfeed pvc Rainforest Fall with 1", 6", 9" or 12" extended lip

**Approximate Flow Projection**  
(per foot of weir opening)



NOTE: All waterfalls are backfeed. Bottom feed available by request.

Patent Pending Proprietary Technology



# WATERFALLS

## Oasis Arch Fall™



Arch Fall™ creates an elegant arc of flowing water.

**ITEM NUMBER**

OAAF-12EL - 1, 6, 9 OR 12

OAAF-18EL - 1, 6, 9 OR 12

OAAF-24EL - 1, 6, 9 OR 12

OAAF-36EL - 1, 6, 9 OR 12

OAAF-48EL - 1, 6, 9 OR 12

**DESCRIPTION**

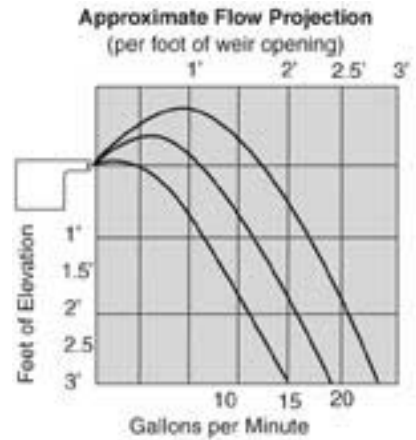
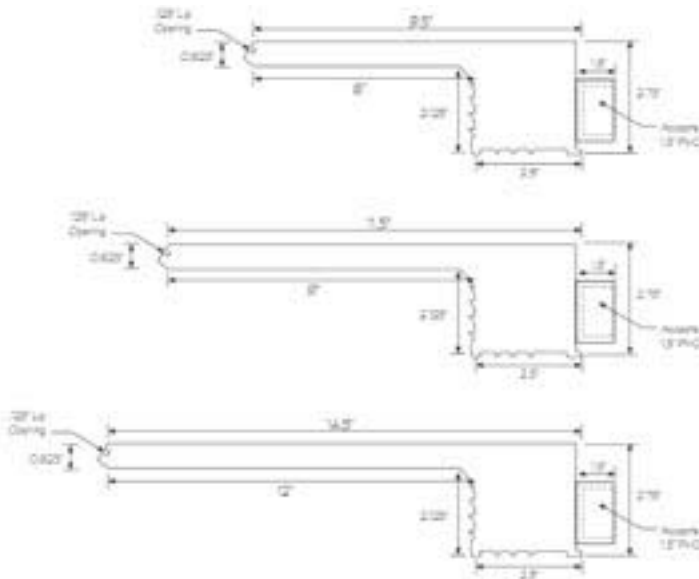
12" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip

18" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip

24" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip

36" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip

48" backfeed pvc waterfall with 1", 6", 9" or 12" extended lip



NOTE: All waterfalls are backfeed. Bottom feed available by request.

Patent Pending Proprietary Technology



Water Curtain™ creates a chic and contemporary solid sheet of water.

NOTE: All waterfalls are backfeed. Bottom feed available by request.

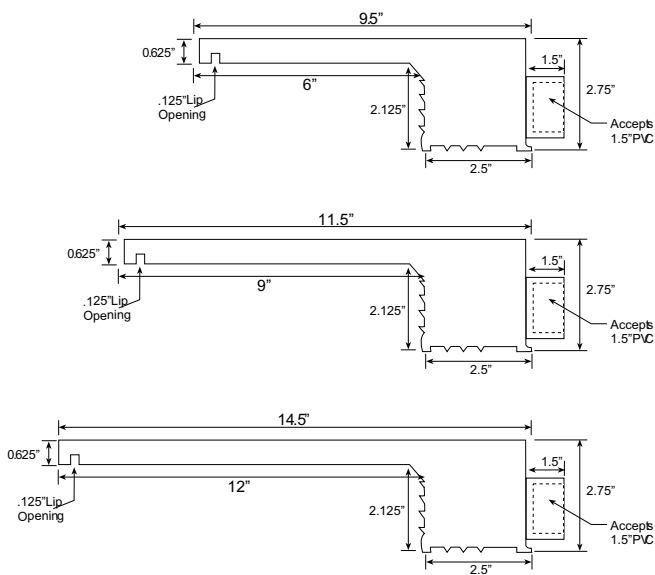
Patent Pending Proprietary Technology

**ITEM NUMBER**

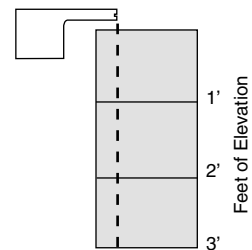
- OACF-12EL - 6, 9 OR 12
- OACF-18EL - 6, 9 OR 12
- OACF-24EL - 6, 9 OR 12
- OACF-36EL - 6, 9 OR 12
- OACF-48EL - 6, 9 OR 12

**DESCRIPTION**

- 12" backfeed pvc waterfall with 6", 9" or 12" extended lip
- 18" backfeed pvc waterfall with 6", 9" or 12" extended lip
- 24" backfeed pvc waterfall with 6", 9" or 12" extended lip
- 36" backfeed pvc waterfall with 6", 9" or 12" extended lip
- 48" backfeed pvc waterfall with 6", 9" or 12" extended lip



flow 1.5" to 3" from wall



Note: Recommended 10 gallons per minute per foot of waterfall

# WATERFALLS

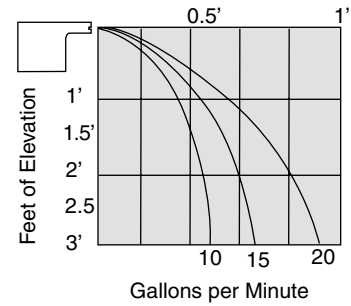
## Oasis Starlight Rainforest Fall™



Starlight Fall™ lighting technique for layered waterfalls and Rainforest Fall™.

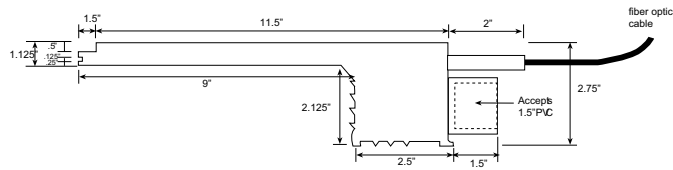
ITEM NUMBER	DESCRIPTION
OARF-12-9-SL15F	1ft. waterfall /15' fiber
OARF-12-9-SL25F	1ft. waterfall /25' fiber
OARF-12-9-SL40F	1ft. waterfall /40' fiber
OARF-18-9-SL15F	18" waterfall /15' fiber
OARF-18-9-SL25F	18" waterfall /25' fiber
OARF-18-9-SL40F	18" waterfall /40' fiber
OARF-24-9-SL15F	2ft. waterfall /15' fiber
OARF-24-9-SL25F	2ft. waterfall /25' fiber
OARF-24-9-SL40F	2ft. waterfall /40' fiber
OARF-36-9-SL15F	3ft. waterfall /15' fiber
OARF-36-9-SL25F	3ft. waterfall /25' fiber
OARF-36-9-SL40F	3ft. waterfall /40' fiber
OARF-48-9-SL15F	4ft. waterfall /15' fiber
OARF-48-9-SL25F	4ft. waterfall /25' fiber
OARF-48-9-SL40F	4ft. waterfall /40' fiber
OARF-60-9-SL15F	5ft. waterfall /15' fiber
OARF-60-9-SL25F	5ft. waterfall /25' fiber
OARF-60-9-SL40F	5ft. waterfall /40' fiber
OARF-72-9-SL15F	6ft. waterfall /15' fiber
OARF-72-9-SL25F	6ft. waterfall /25' fiber
OARF-72-9-SL40F	6ft. waterfall /40' fiber
OARF-84-9-SL15F	7ft. waterfall /15' fiber
OARF-84-9-SL25F	7ft. waterfall /25' fiber
OARF-84-9-SL40F	7ft. waterfall /40' fiber
OARF-96-9-SL15F	8ft. waterfall /15' fiber
OARF-96-9-SL25F	8ft. waterfall /25' fiber
OARF-96-9-SL40F	8ft. waterfall /40' fiber

**Approximate Flow Projection**  
(per foot of weir opening)



NOTE: All waterfalls are backfeed. Bottom feed available by request.

Patent Pending Proprietary Technology



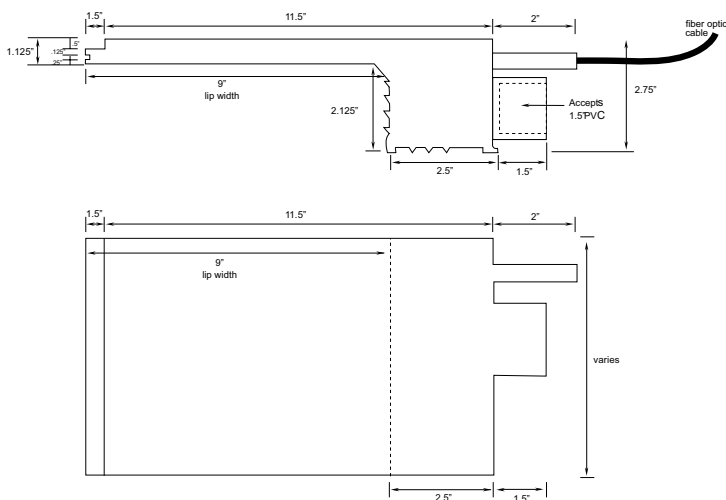


# WATERFALLS

## Oasis Novafall™

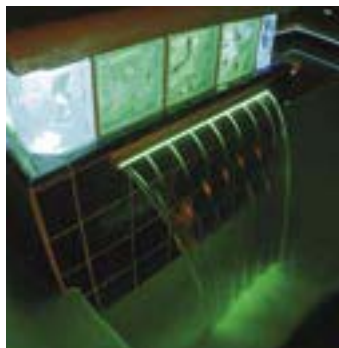


ITEM NUMBER	DESCRIPTION
OAWF-12-9-NF15F	1ft. waterfall /15' fiber
OAWF-12-9-NF25F	1ft. waterfall/25' fiber
OAWF-12-9-NF40F	1ft. waterfall/40' fiber
OAWF-18-9-NF15F	18" waterfall/15' fiber
OAWF-18-9-NF25F	18" waterfall/20' fiber
OAWF-18-9-NF40F	18" waterfall/40' fiber
OAWF-24-9-NF15F	2ft. waterfall/15' fiber
OAWF-24-9-NF25F	2ft. waterfall/25' fiber
OAWF-24-9-NF40F	2ft. waterfall/40' fiber
OAWF-36-9-NF15F	3ft. waterfall/15' fiber
OAWF-36-9-NF25F	3ft. waterfall/25' fiber
OAWF-36-9-NF40F	3ft. waterfall/40' fiber
OAWF-48-9-NF15F	4ft. waterfall/15' fiber
OAWF-48-9-NF25F	4ft. waterfall/25' fiber
OAWF-48-9-NF40F	4ft. waterfall/40' fiber
OAWF-60-9-NF15F	5ft. waterfall/15' fiber
OAWF-60-9-NF25F	5ft. waterfall/25' fiber
OAWF-60-9-NF40F	5ft. waterfall/40' fiber
OAWF-72-9-NF15F	6ft. waterfall/15' fiber
OAWF-72-9-NF25F	6ft. waterfall/25' fiber
OAWF-72-9-NF40F	6ft. waterfall/40' fiber
OAWF-84-9-NF15F	7ft. waterfall/15' fiber
OAWF-84-9-NF25F	7ft. waterfall/25' fiber
OAWF-84-9-NF40F	7ft. waterfall/40' fiber
OAWF-96-9-NF15F	8ft. waterfall/15' fiber
OAWF-96-9-NF25F	8ft. waterfall/25' fiber
OAWF-96-9-NF40F	8ft. waterfall/40' fiber



NOTE: All waterfalls are backfeed.  
Bottom feed available by request.

Patent Pending Proprietary  
Technology



**Light** – The part 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 emitted by a light source and perceived by the human eye.

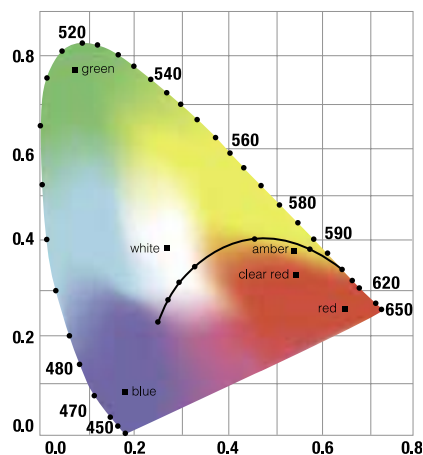
**Luminous Intensity** – Luminous intensity is a unit measure of the luminous flux in a solid angle.

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

**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.

## LED FACTS

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**LED** – (Light Emitting 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.



**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.

**FIBER OPTIC LIGHTING BASIC TERMS**

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

**EndGlow®** – trade marked term for Super Vision® end- emitting 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.

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 an 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.

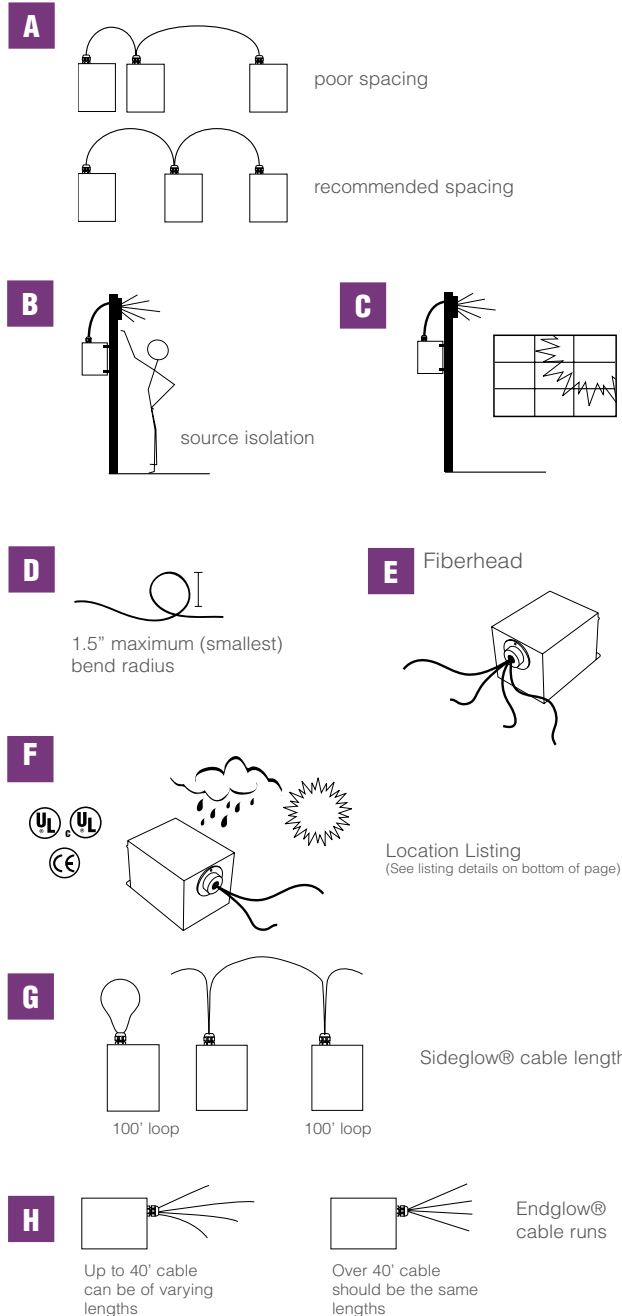
**F) Location Listing:** Super Vision®'s illuminators are all UL, cUL and CE listed for dry and wet locations. The fiber optic cable may be used either indoors or outdoors and is UV protected, as well as algaeicide and fungicide treated.

**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.**



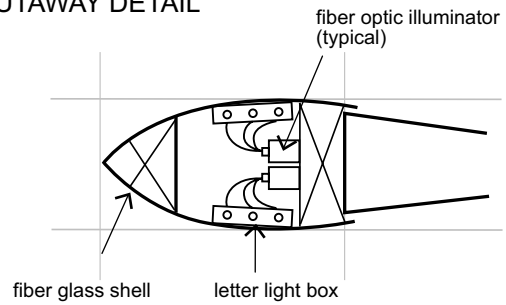
**The CE mark is a mandatory European marking for certain product groups to indicate conformity with the essential health and safety requirements set out in European Directives. The letters 'CE' are an abbreviation of Conformité Européenne, French for European Conformity.**

# PROJECT PROFILES

## Lincoln Sign



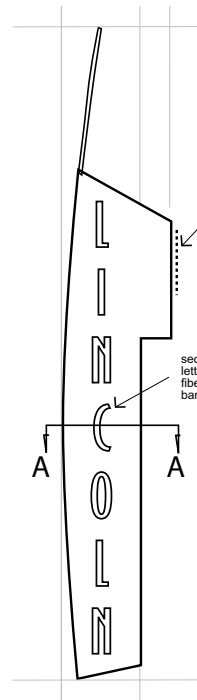
SECTION A-A  
CUTAWAY DETAIL



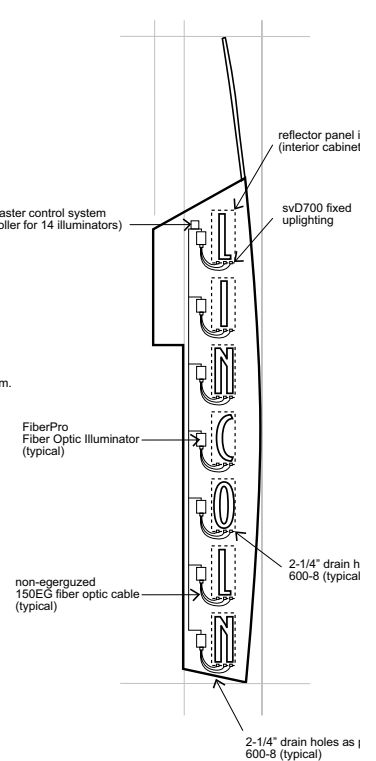
### LINCOLN SIGN

This unique 63' tall double-sided sign uses one 150 watt metal halide illuminator for each letter box. Each illuminator has three sv150EG cables uplighting the letter box. An external 600C control system synchronizes the color changes.

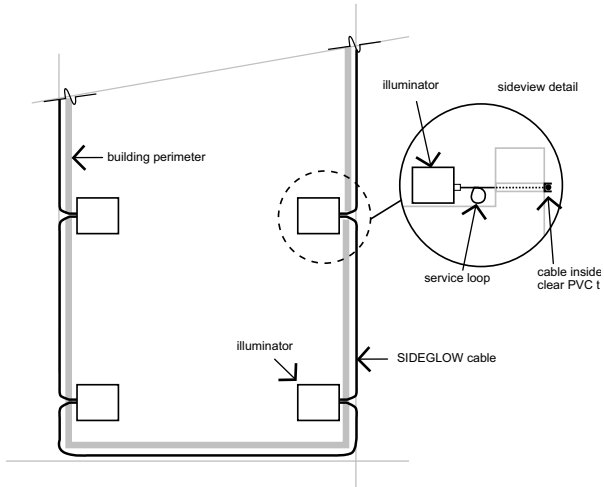
MARQUEE SIGN  
SIGN FACE



MARQUEE SIGN DETAIL  
DETAIL OF CABLE ATTACHMENT

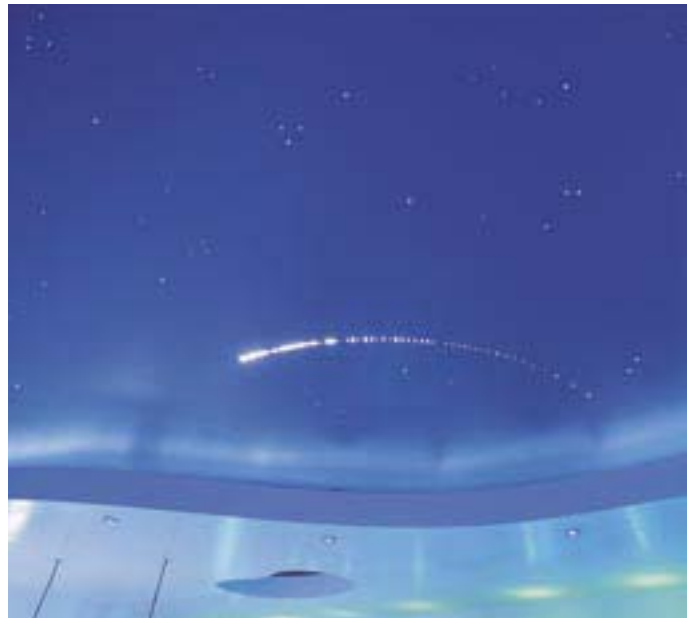
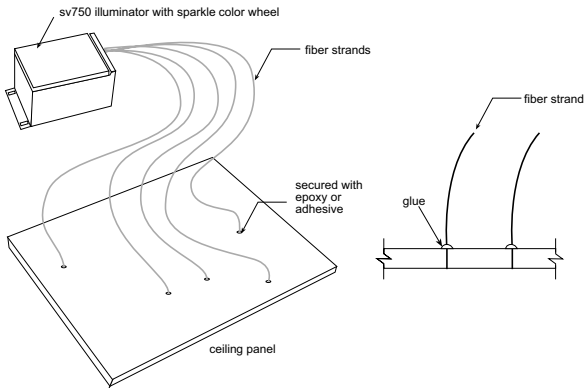


SIDEGLOW® CABLE  
DETAIL OF SIDEGLOW PERIMETER LIGHTING

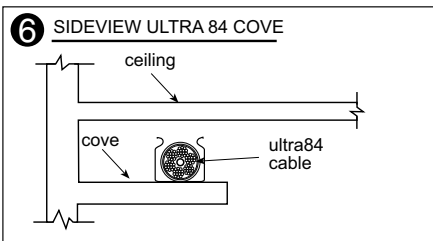
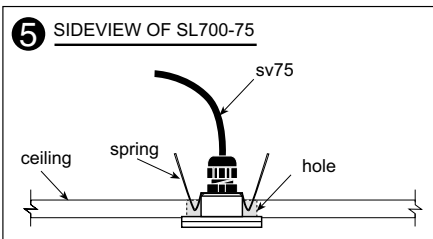
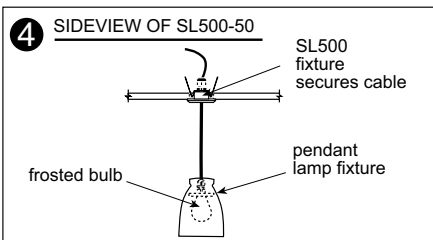
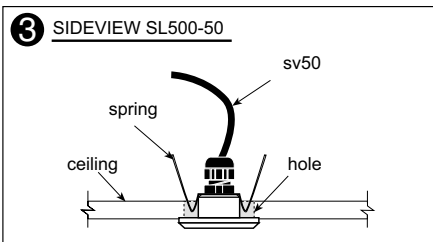
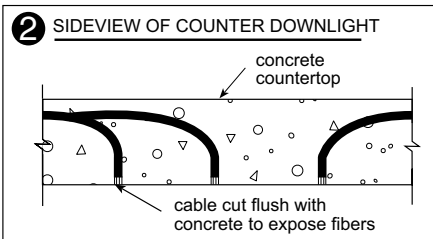
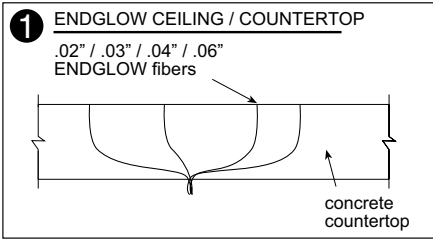


PERIMETER LIGHTING

STAR CEILING DETAIL



STAR CEILING.



**INTERIOR DESIGN II**

The small step lights are used as a cable guide for the pendant lamps. Also the concrete bar top was built with EndGlow cable intergrated and animating waves along the edge illuminated by a sv fiber optic illuminator.

