Reference

Fiber Optic Cable

Illuminators / Control Systems

Fixtures

LEDs

Photometrics

SaVi™ Intelligent Lighting

ACCENT LIGHTING - Any type of lighting used to highlight an object in order to draw attention.

AMBIENT LIGHT - Light throughout an area that produces general illumination.

BACK LIGHT - Illumination originating from behind an object. It helps to separate the object from its background as well as adding modeling and dimensional aspects to the object. It can be effective in bringing out the edges of an objects

STRANDED FIBER - Individual fiber optic strands that have been twisted together to form a cable.

CANDELA - The unit of luminous intensity. It is defined as one-sixtieth the normal intensity of one square centimeter of a black body at the solidification temperature of platinum. A point source of one candela intensity radiates one lumen into a solid angle of one steradian.

CE - CE Mark represents the European Compliance testing similar to UL.

COLOR - Colors are specific wavelengths of the visible electromagnetic spectrum.

COLOR TEMPERATURE - This refers to the color of light. The higher the number, the bluer the color "temperature". The lower the number, the warmer the color "temperature".

COLOR WHEEL - A Dichoric or plastic color filter wheel in the illuminator.

DMX - A lighting controller for special effects.

ENDGLOW® - A registered trademark of Super Vision®'s patented end-emitting fiber optic cable.

FIBERHEAD - The coupler that holds the fiber at the illuminator.

FILL OR DIFFUSE LIGHT - Supplemental light used to reduce contrast between an object and its surround or shadow.

FOCAL POINT - Diameter and distance of the "sweet" spot of the lamp.

FOOTCANDLE - The unit of illuminance equal to one lumen per square foot.

ILLUMINATOR - The unit or housing of the lamp for a fiber optic system.

KEY LIGHT - The apparent principle source of directional illumination on an object or in a scene.

LCOF - Large core optical fiber.

LED - Light Emitting Diode. Leds are made from two types of semi-conductor material. One type with too many free electrons, another with too few electrons. When an electron from one material gets pushed across a thin barrier into the atoms, a photon or particle of light is produced. LEDs do not have a filament to break or burn out and they generate very little heat and consume very little energy, compared to traditional lighting.

LIGHT - Light is a narrow range of electromagnetic energy that stimulates receptors in the eyes that permit vision. It is called "visible energy" however; we cannot see the energy itself

LIGHT SOURCE - The source of the light. For the fiber optics, often referred to as an illuminator.

LOOP - Fiber cable leaving and returning to the same light source.

LUMEN - The unit of luminous flux equal to the luminous flux emitted per unit solid angle by a standard point source having a luminous intensity of one candela.

LUMINOUS INTENSITY - Luminous flux emitted by a source in a given range of directions. The unit of measure is the lumen/steradian, known as the candela.

LUX - The unit of luminous incidence or illuminance, equal to one lumen per square meter.

MH/HID - Industry abbreviation for Metal Halide High Intensity Discharge lamp.

MULTIPLE STRAND - Cable that is composed of several individual strands of fiber.

PHOTOMETRY- The science of measurement of light intensity, where "light" refers to the total integrated range of radiation to which the eye is sensitive.

POF - Plastic Optical Fiber.

POP - Point-Of-Purchase, or Point-Of-Purchase sign.

Q-LAMP - Industry word for a Quartz Halogen Lamp.

RADIOMETRY- The science of radiation measurement, which is the detection and measurement of radiant energy.

REMOTE SOURCE LIGHTING - A system where the illuminator is in a location away from the fixture.

SERIES - Fiber cable leaving one light source and going to another.

SIDEGLOW® - A registered trademark of Super Vision®'s patented side-emitting fiber optic cable.

SIDE LIGHT - illumination originating from the side of an object. It offsets the dominance of the key light. It can bring out details in the object and add modeling and dimension to the image.

STRANDS - Refers to an individual fiber.

SYNCHRONOUS - Refers to the control systems in illuminators that coordinate or control the color wheel rotations in multiple illuminator configurations.

TASK LIGHTING - Engineering term for light that provides the ability to "see" to perform a task.

TIVOLI TYPE - A trade name of a specific product that has a become generic term. Tiny lamps on 1 inch to 12 inch centers as commonly seen lighting.

UL - Underwriters Laboratory: is an independent testing organization established to investigate materials, devices, and products with respect to safety of life and property. The registered UL Mark on a product is a means by which a manufacturer can show that samples of the products have been checked for compliance with applicable standards for safety.

COST OF LIGHTING - GENERAL INFORMATION

- **Electricity Cost:** $.08 per kWh
- **No. operating hours/year:** 4000 hrs (16 hrs/day x 5 days/wk x 50 wks/yr)
- **Time to relamp and clean one luminaire:** .25 hr. (15 minutes = .25 hr.)
- **Hourly custodial wage:** $12.00/hr.

SUPERVISION PATENTED SIDEGLOW™ COMPARED TO NEON

Feature	SideGlow™	Neon
Color change	YES	NO
User serviceable	YES	NO
Install in and around water	YES	NO
Visible run sections, up to:	90ft. typical	7ft. typical
Watts consumption per foot	4	11.25
UL system right out of the box	YES	NO
High voltage in visible run	NONE	YES
Heat in visible run	NONE	YES
Electrical Hazard in Visible Run	NO	YES
Liability in visible run (V/R)	NO	YES
Possibility of breakage-injury from V/R	NO	YES
RF Concerns	NO	YES
Reusable	YES	NO
Liability % from fabrication, delivery and installation	10%	100%
Controlled maintenance	YES	NO

PRODUCT	NEON	DOLLARS		OPTICS	DOLLARS		SAVINGS
Footage	1,000ft.	$18,000.00		1110ft.	$ 20,000.00		<$2000.00>
# Transformers	25			11			
# J-Box's	25	1,250.00		11	$ 550.00		$ 700.00
TOTAL UP FRONT COSTS		**$ 19,250.00**			**$ 20,550.00**		**<1,300.00>**
Avg. Annual Mtc.		$ 2,000.00			$ 240.80		
Avg. Monthly Mtc.		166.67			20.07		
$ to own 1st Yr.		**$ 21,250.00**			**$ 20,790.80**		**$ 359.20**
running mtc.		$ 4000.00			$ 481.60		
2nd year total		23,259.00			21,031.60		$ 2218.84
running mtc.		6000.00			722.40		
3rd year total		25,250.00			21,272.40		4077.6
running mtc.		8000.00			963.20		
4th year total		27,259.00			21,513.20		5736.80
5yrs. total mtc.		10,000.00			1204.00		
							SAVINGS
Total for 5 yrs.	**NEON**	**$ 29,250.00**		**FIBER**	**$ 21,754.00**		**$ 7,496.00**

Notes:
1. Hours of operation: 6 hours per night
2. Optics, lamp at 10,000 hours average life
3. Optic replacement lamp at $187.50. One lamp change over 9.5 years. Lamp price of $187.50 x 11 units divided by 9.5 years = yearly maintenance.
4. Site hours to change lamps = 3 hours, estimated at $75.00 per hour, divided by 9.5 then added to lamp maintenance. Price, for additional labor added of $23.69.
5. Neon is estimated at $2.00 (average) per foot, per year.

LIMITED WARRANTY

To all original purchases of our products, Super Vision international, Inc., 8210 Presidents Drive Orlando, FL, 32809 warrants its products to be free from defects in material and/or workmanship, under normal use, conditions and service, for a period of ONE-YEAR from the date of original invoice. FLEX LED products (excluding power supplies and accessories) are covered for FIVE-YEAR period from the date of original invoice. Lamps are excluded from this warranty. You must retain your original purchase receipt to verify coverage.

Parts which fail or become defective during the warranty period except as a result of freezing, accident, negligence, alterations, theft, improper installation, use, or care, damage caused by acts of nature shall be repaired or replaced at our discretion without charge within ten working days from the receipt of defective product, barring unforeseen delays. The Company shall not be responsible for cartage, removal and/or reinstallation labor, or any other such consequential or incidental costs incurred in obtaining warranty replacements.

THIS REMEDY IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY AND ALL CLAIMS RELATING TO ANY BREACH OF WARRANTY BY SUPER VISION.

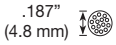
LIMITATIONS, EXCLUSIONS AND OTHER RIGHTS:

1. Except as provided herein, the Company makes no other warranties, express or implied, including but not limited to the implied warranties of merchantability or fitness for a particular purpose, at all such warranties are expressly disclaimed. Some states do not allow the exclusion of an implied warranty, so the above exclusion may not apply to you.

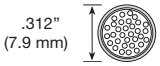
2.The Company is not responsible for defects or malfunctions in and/or damage to lighting systems where a sale is specifically made without warranty. In such sales the disclaimers of warranty and liability set forth above shall continue to apply.

3. The warranty gives you specific legal rights, and you may also have other rights, which vary from sate to sate.

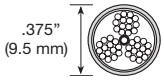
If you discover a defect or malfunction during the period to which this Warranty applies, write or phone Super Vision International's Customer Service Department at 407-857-9900 for information on receiving warranty service.



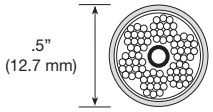
SV14



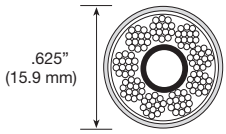
SV32



SV42



SV84



SV126

Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

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

P-Clips or Track tubing allow for maximum versatility and flexibility in mounting.

SPECIFICATION FEATURES

Construction
The SideGlow® cable is constructed of .030"/0.75mm diameter PMMA acrylic optical fibers of twisted sub-bundles 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.

Size
The cable diameter is determined by fiber quantity:

14 fibers:	.187"	4.8 mm
32 fibers:	.312"	7.9 mm
42 fibers:	.375"	7.6 mm
84 fibers:	.5"	11.8 mm
126 fibers:	.625"	14.9 mm

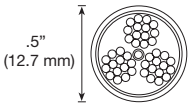
WARRANTY

One year warranty on all parts and workmanship

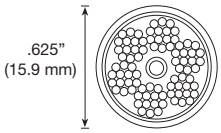
ORDERING INFORMATION

SIDEGLOW® CABLES
(Order separately)

SV14 14 fibers
SV32 32 fibers
SV42 42 fibers
SV84 84 fibers
SV126 126 fibers



SV42ULTRA



SV84ULTRA

Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

The Ultra SideGlow® cable has the same features as standard SideGlow® cables, with the exception of 25% larger diameter individual fibers. The result is the brightest SideGlow® cable available in the industry today!

The Ultra SideGlow® cable is made up of .040" / 1.0 mm diameter PMMA acrylic optical fibers protected within a flexible clear pvc jacket. The fibers are twisted around a highly reflective white PVC center core that offers flexible stability with maximum light output.

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

SPECIFICATION FEATURES

Construction
The Ultra SideGlow® cable is made up of .040"/1.0mm diameter PMMA acrylic optional fibers twisted within a flexible clear jacket. The fibers are twisted around a highly reflective PVC internal core that offers flexible stability wih maxmum light output.

Size
The cable diameter is determined by fiber quantity:

42 fibers:	.5"	12.7mm
84 fibers:	.625"	5.9mm

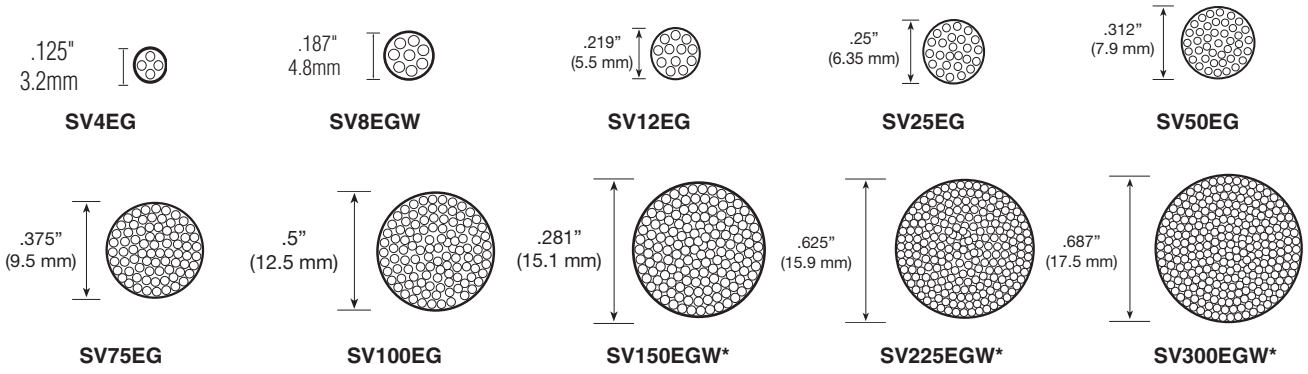
WARRANTY

One year warranty on all parts and workmanship

ORDERING INFORMATION

ULTRA SIDEGLOW® CABLES
(Order separately)

SV42ULTRA 42 fibers
SV84ULTRA 84 fibers



**White Jacket Only*

DESCRIPTION

Ideal for use with architectural lighting fixtures, landscape fixtures, water-tight lenses, feature lights, and adaptable for 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.

SPECIFICATION FEATURES

Construction
EndGlow® cable is multistrand fibers protected in a flexible PVC jacket for ease of handling and fiber protection.

Cabling
Diameters are based on fiber quantity:

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

WARRANTY

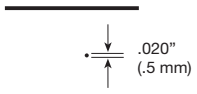
One year warranty on all parts and workmanship

ORDERING INFORMATION

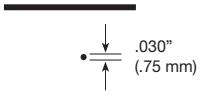
ENDGLOW® CABLES
(Order separately)

SV4EG	4 fibers
SV8EG	8 fibers
SV12EG	12 fibers
SV25EG	25 fibers
SV50EG	50 fibers
SV75EG	75 fibers
SV100EG	100 fibers
SV150EGW	150 fibers
SV225EGW	225 fibers
SV300EGW	300 fibers

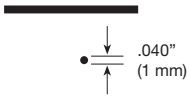
Project: _____
Type: _____
Voltage: _____
Notes:



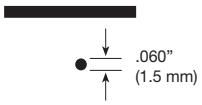
SVPAF20*



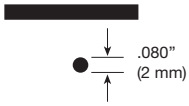
12.0021*



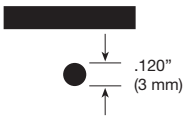
12.0022*



SVPAF60



SVPAF80



SVPAF120

Fiber is sold by the spool only

DESCRIPTION

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

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

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

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

SPECIFICATION FEATURES

Construction
PMMA acrylic

Fiber Diameters		**Maximum Bend Radius(smallest)**	
SVPAF20	.020" (.50mm)	SVPAF20	.5" (12.7mm)
12.0021*	.030' (.75mm)	12.0021*	.5" (12.7mm)
12.0022*	.040" (1mm)	12.0022*	.5" (12.7mm)
SVPAF60	.060" (1.5mm)	SVPAF60	.75" (19mm)
SVPAF80	.080" (2mm)	SVPAF80	1.25" (31.8mm)
SVPAF120	0.120" (3.0mm)	SVPAF120	1.25" (31.8mm)

WARRANTY

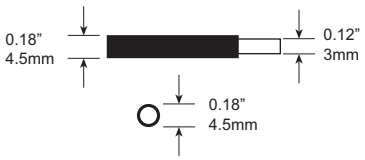
One year warranty on all parts and workmanship

ORDERING INFORMATION

ENDPOINT FIBER
(Order separately)

SVPAF20	19,686'	(6,000M)
12.0021	29,529'	(9,000M)
12.0022	16,405'	(5,000M)
SVPAF60	2,296'	(700M)
SVPAF80	1,148'	(350M)
SVPAF120	492'	(150M)

Project: _____
Type: _____
Voltage: _____
Notes:



SVPAF3mm

Project: _____
Type: _____
Voltage: _____
Notes:

DESCRIPTION

Jacketed Endpoint fiber is made from a single strand of PMMA acrylic optical fiber covered with a white PVC jacket for protection from external damage.

SPECIFICATION FEATURES

Construction
PMMA acrylic / white PVC jacket

Fiber Diameters

SVPAF 3.0mm	.18" / 4.5mm diameter	(Fiber diameter - .12" / 3mm)

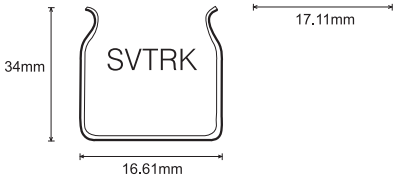
WARRANTY

One year warranty on all parts and workmanship

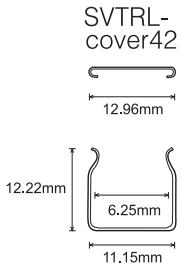
ORDERING INFORMATION

jacketed endpoint fiber

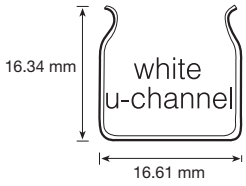
SVPAF3mm - cut to the length



SVTRK
SVTRK-COVER126
SVTRL-COVER84



SV42ULTRA
SVTRK-42
SVTRK-COVER42



SVTRK-WHITE

Project: _____
Type: _____
Voltage: _____
Notes:

DESCRIPTION

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

SPECIFICATION FEATURES

Construction
White or clear PVC.

WARRANTY

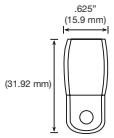
One year warranty on all parts and workmanship

ORDERING INFORMATION

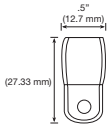
P-Clips

(Order separately)

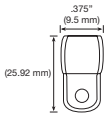
SVTRK	Width: .625" (15.9mm) For: SV126, SV84, SV84 Ultra and SV42 Ultra cables	Length: 6' (1828.8mm)	Height: 0.57" (14.5mm)
SVTRK-cover84	Cover for svTRK-84		
SVTRK-42	Width: .375" (9.5mm) For: SV42 cable	Length: 6' (1828.8mm) sections	Height: .403" (10.25mm)
SVTRK-cover42	Cover for SVTRK-42		
SVTRK-white	Width: .625" (15.9mm) For: SV126, SV84, SV42 Ultra and SV84 Ultra cables Note: Cover will be clear not white	Length: 6' (1828.8mm) sections	Height: 0.57" (14.5mm)



SVPC-126



SVPC-84



SVPC-42

Project: _____

Type: _____

Voltage: _____

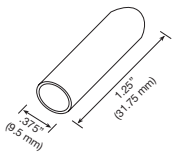
Notes:

DESCRIPTION

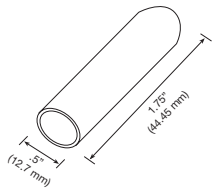
Super Vision®'s "P" clips are clear PVC for mounting fiber optic cable where a tight radius is required for freeform designs or when track is inappropriate.

WARRANTY

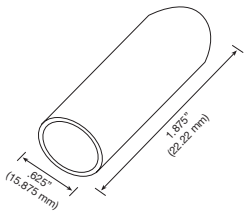
One year warranty on all parts and workmanship



FOR SV126 & SV84 ULTRA CABLES



FOR SV84 & SV42 ULTRA CABLES



FOR SV42 CABLE

DESCRIPTION

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

WARRANTY

One year warranty on all parts and workmanship

ORDERING INFORMATION

P-CLIPS

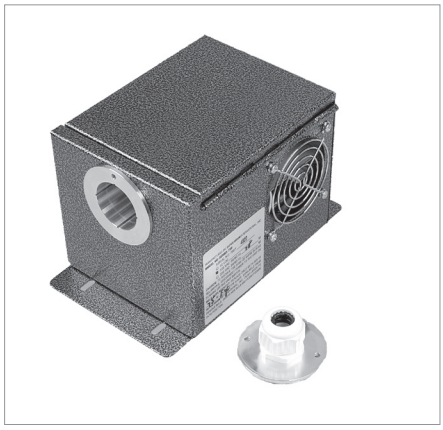
(Order separately)

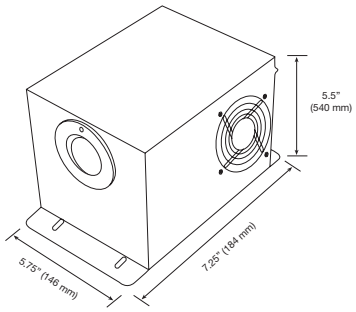
SVPC-126	.625" (15.9mm) wide, for SV126 and SV84ULTRA cables
SVPC-84	.5" (12.7mm) wide for SV84 and SV42ULTRA
SVPC-42	.375" (9.5mm) wide for SV42 cables

CLEAR CAPS

(Order separately)

SVEC126	.625" (15.875mm) wide .875"(22.22mm) long, for SV126 and SV84ULTRA cables
SVEC84	.5" (12.7mm) wide 1.75 (44.45mm) long for SV84 and SV42ULTRA
SVEG42	.375" (9.5mm) wide 1.25 (31.75mm) long for SV42 cables





Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

The SV750 series illuminator provides 75 watts of incandescent quartz halogen illumination for EndGlow™® and SideGlow® applications. The compact housing fits well into confined spaces and features an optional color and sparkle wheels for dramatic effects. The SV750 is rated for indoor applications only. It is easy access door panel allows for easy re-lamping UL No. E166626 installation and maintenance. UL listed for dry locations.

SPECIFICATION FEATURES

UL Listed: Dry location
UL file No. E166626

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

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

Power Consumption:
- 88 watts max

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

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

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

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

Weight:
- 7 lbs.
- 3.2 kg.

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

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

Mounting / Installation:
- surface or wall mount

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

Warranty:
- 1 year on parts (excluding lamp)

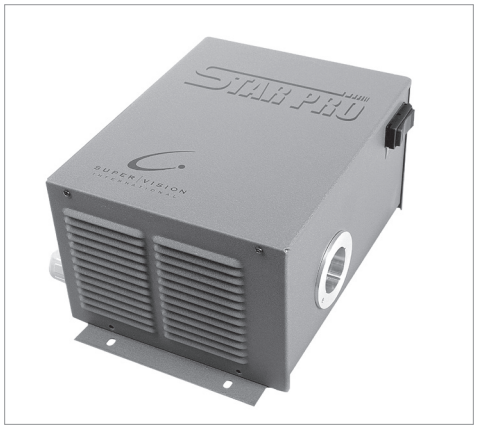
Standards:
- UL / cUL

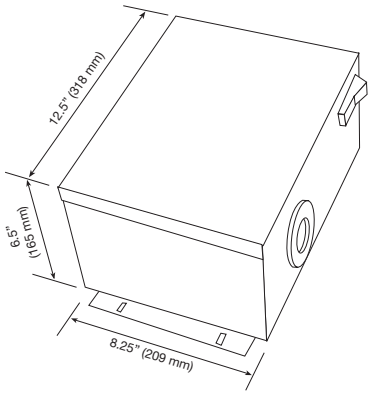
IP Rating: 20

dB Rating: 40dbA

ORDERING INFORMATION

MODEL	POWER	COLOR WHEEL	CONTROL SYSTEM
SV750 - 75 watt quartz halogen lamp	**120** - 120 VAC, 60Hz **220** - 220 VAC, 50Hz **12** - 12 VDC	**EndGlow® Color Wheels:** **ESTDC** - standard (red, green, blue, yellow) **ESTDS** - sparkle (red, green, blue, yellow) **EWS** - sparkle white **ESG** - standard grey (soft sparkle effect) **EC** - clear (no color) **Color Wheel 4** - 4 custom colors **Color Wheel 8** - 8 custom colors *Note: Refer to color chart for options.*	**N** - None





Project: _____
Type: _____
Voltage: _____
Notes:

DESCRIPTION

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.

SPECIFICATION FEATURES

UL Listed: Wet & Dry Locations
(Wet location, the unit must face up)
UL file No.E202257

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

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

Power Consumption:
- 100 watts max.

Fiber Capacity:
- 2500 w/0.75mm fibers

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

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

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

Weight:
- 7 lbs..
- 3.2 kg

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

Mounting / Installation:
- Horizontal for OUTDOOR and WET location

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

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

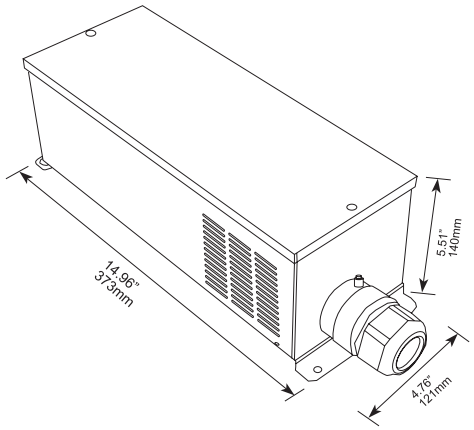
Warranty:
- 1 Year (excluding lamp)

Standards:
- UL / cUL

IP Rating: 23
dB Rating: 50dbA

ORDERING INFORMATION

MODEL	POWER	COLOR WHEEL	CONTROL SYSTEM
StarPro - 70 watt metal halide 3000 K Illuminator	**120** - 120 VAC, 60Hz **220** - 220 VAC, 50 Hz	**EndGlow® Color Wheels:** **ESTDC** - standard (red, green, blue, yellow) **ESTDS** - sparkle (red, green, blue, yellow) **EWS** - sparkle white **ESG** - standard grey (soft sparkle effect) **EC** - Clear Color Wheel (custom) **COLORWHEEL 4 -** (4 custom colors) **COLORWHEEL 8 -** (8 custom colors)	**N** - None **S** - Synchronous



Project: _____
Type: _____
Voltage: _____
Notes:

DESCRIPTION

UL listed Dry illuminator with a Phillips #13117, 150watt dimable lamp rated at 1000 hours average life.
DMX controllable and up to 2 color wheels - 1 color wheel and 1 sparkle wheel.

SPECIFICATION FEATURES

UL Listed: Dry Locations, Portable
UL file No. E166626
Electrical Rating:
- 120 VAC, 60 Hz / 24 Amps

Lamp:
- 150 Watts Halogen
- 1000 hours rated life
- Color temperature - 3200 K

Fiber Capacity:
- 1000 fibers

Ambient Operating Temperature:
- 32°F to 110°F
- 0°C to 43.3°C

Dimensions:
- 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"

Weight:
- 6.5 kg
- 14.33 lbs.

Material/Finish:
- Steel
- Balck powder coating

Mounting / Installation:
- Indoor - horizontal or vertical
- Theater bar/rail mount

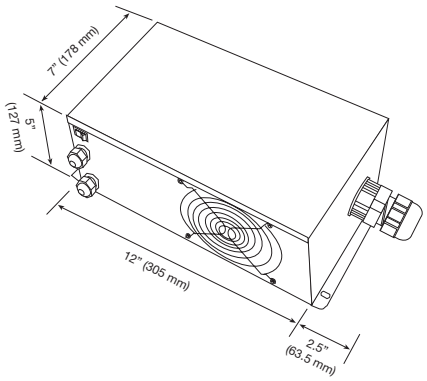
Ventilation:
- Double fan configuration, separate fiber head and lamp section cooling 23 CFM each comparment

Warranty:
- 1 year on parts (excluding lamp)

IP Rating: 20
dB Rating: 45dbA

ORDERING INFORMATION

MODEL	POWER	COLOR WHEEL #1	COLOR WHEEL #2	CONTROL SYSTEM
LitePro - 150 watt Halogen Lamp Illuminator	**120** - 120 VAC, 60Hz	**N** - None **ESTDC** - 4 standard color	**N** - None **EWS-SP** - 4" Lexan Sparkle wheel **4S-SB** - 4 standard **8S-SB** - 8 standard **4C-SB** - 4 custom **8C-SB** - 8 custom	**N** - None **D** - DMX



Project: _____
Type: _____
Voltage: _____
Notes:

DESCRIPTION

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

SPECIFICATION FEATURES

UL Listed: Dry Locations
UL file No.E183283

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

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

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

Power Consumption:
- 200 Watts, maximum

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

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

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

Weight:
- 16 lbs.
- 7.3 kg.

Material / Finish:
- Steel
- Black wrinkle powder coating

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

Mounting / Installation:
- Indoor - horizontal or vertical. Note:
- For vertical mounting fiberhead must face down.

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

Warranty:
- 1 Year (excluding lamp)

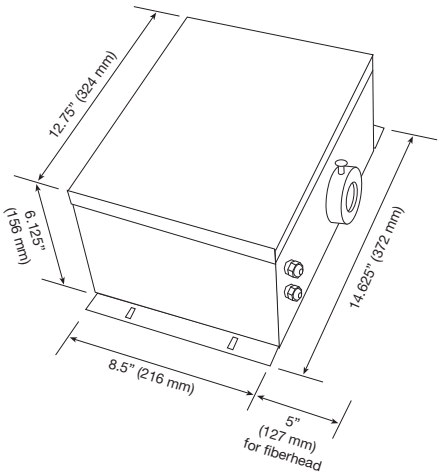
Standards:
- UL / cUL

IP Rating: 20

dB Ratings: SV1500-47dbA , SV1500Q-36dbA

ORDERING INFORMATION

MODEL	LAMP	POWER	COLOR WHEEL	CONTROL SYSTEM
SV1500 - 150 watt metal halide Illuminator **SV1500Q** - Quiet Version 150 Watt Metal Halide Illuminator	**40-GA** - 4,000 K **30-GA** - 3,000 K	**120** - 120 VAC, 60Hz **220** - 220 VAC, 50Hz **230** - 230 VAC, 50Hz **240** - 240 VAC, 50Hz **277** - 277 VAC, 60Hz* *Not available with synchronous control system	**N** - None **4S-SB** - 4 standard **8S-SB** - 8 standard **4C-SB** - 4 custom **8C-SB** - 8 custom **1C** - single color chip Note: Refer to color chart for options	**N** - None **S** - Synchronous **MS** - 300C master module/sync.



Project: _____
Type: _____
Voltage: _____
Notes:

DESCRIPTION

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.

SPECIFICATION FEATURES

UL Listed:
Wet and dry locations
UL file No.E202257

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

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

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

Power Consumption:
- 300 Watts, maximum

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

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

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

Weight:
- 23 lbs.
- 10.5 kg

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

Mounting / Installation:
- Surface or wall mount
- * Must be flush mounted to surface for proper air separation between compartments.

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

Warranty:
- 1 Year (excluding lamp)

Standards:
- UL / cUL

IP Rating: 23

dB Ratings:FiberPro:52dbA
FiberPro-Q:35dbA

ORDERING INFORMATION

MODEL

FIBERPRO - 150 watt metal halide illuminator
FIBERPRO-Q- Quiet version 150 watt metal halide illuminatort

LAMP

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

POWER

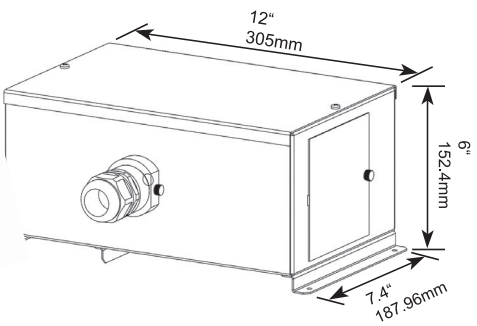
120 - 120 VAC, 60Hz
220 - 220 VAC, 50Hz
230 - 230 VAC, 50Hz
240 - 240 VAC, 50Hz
277 - 277 VAC, 60Hz*
*Not available with synchronous control system

COLOR WHEEL

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 chart

CONTROL SYSTEM

N - None
S - Synchronous
D - DMX 512 compatible
DS - Dimming control
M**S** - 300C master module/sync.



Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

The ES-150 is a 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 for use and The ES150 utilizes a unique dual parabolic reflector design that provides clean, bright white light to the fiber optic light bars by providing even clean, bright light or Super Vision's adjustable beam fixtures.

SPECIFICATION FEATURES

UL Listed:
Dry locations
UL file No.E166626

Electrical Rating:
- 120 VAC, 60 Hz / 1.8 Amps / 3 Amps (start up)
- 220 VAC, 50 Hz / 1.2 Amps / 3 Amps
- 230 VAC, 50 Hz / 1.2 Amps / 3 Amps
- 240 VAC, 60 Hz / 1.2 Amps / 3 Amps
- 277 VAC, 60 Hz / 1.2 Amps / 3 Amps

Transformer:
- Magnetic

Lamp:
- 150 MH/HID lamp rated at 10,000 hours
- 150 watt metal halide
- 6,000 hours color shift
- 4200K

Fiber Capacity:
- 500 fibers (PAF30)
- 288 fibers - Ultra SideGlow®(PAF40)
- 6 - (3 mm) PAF120EGW

Power Consumption:
- 200 Watts, maximum

Safety Features:
- Kill switch when side access door (for lamp replacement) is opened
- Internal 185°F / 85°C thermal protector

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

Dimensions:
- 7.4"(W) x 12"(L) x 6"(H)
- 187.96mm x 305mm x 152.4mm
- Add 2.7" / 68.58mm for fiberhead

Material / Finish:
- Steel
- Silver Metalic
- Water, corrosion and chemical resistant

Mounting / Installation:
- Indoor - horizontal

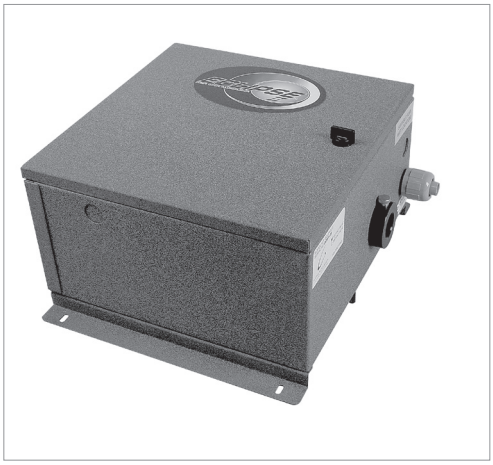
Ventilation:
- Forced 21 CFM enclosure cooling

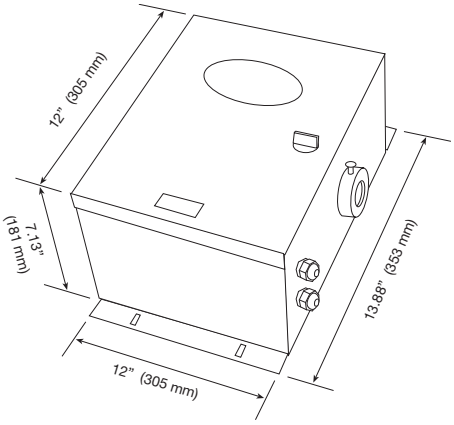
Warranty:
- 1 Year (excluding lamp)

IP Rating: 20
dB Rating: 40dbA

ORDERING INFORMATION

MODEL	LAMP	POWER	COLOR WHEEL	CONTROL SYSTEM
ES150 - 150 Watt HID/MH Illuminator	**42** - 4,200 K	**120** - 120 VAC, 60Hz **220** - 220 VAC, 50Hz **230** - 230 VAC, 50Hz **240** - 240 VAC, 50Hz **277** - 277 VAC, 60Hz	**N** - None	**N** - None





Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

Wet and dry UL listed illuminator with a 250 watt HID lamp rated at 4000 hours average life. Recommended for SideGlow™ interior and exterior applications. Eclipse II is the most powerful illuminator that Super Vision offers.

SPECIFICATION FEATURES

UL Listed: Wet & Dry Locations
(Wet location, a unit must be installed on a horizontal mount (face up)
UL file No. E202257

Electrical Rating:
- 120 VAC, 60 Hz / 4.6 Amps
- 220 VAC, 50 Hz / 3 Amps
- 277 VAC, 60 Hz / 2.5 Amps

Lamp:
- 250 watt metal halide
- 4000 hours average life
- Color temperature - 4200 K

Power Consumption:
- 600 watts max.

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

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

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

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

Weight:
- 27 lbs.
- 12.2 kg

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

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

Ventilation:
- 115 CFM enclosure cooling
- 60m^3/h fiber tunnel cooling

Warranty:
- 1 Year (excluding lamp)

Standards:
- UL / cUL

IP Rating: 23

dB Rating: 56dbA

ORDERING INFORMATION

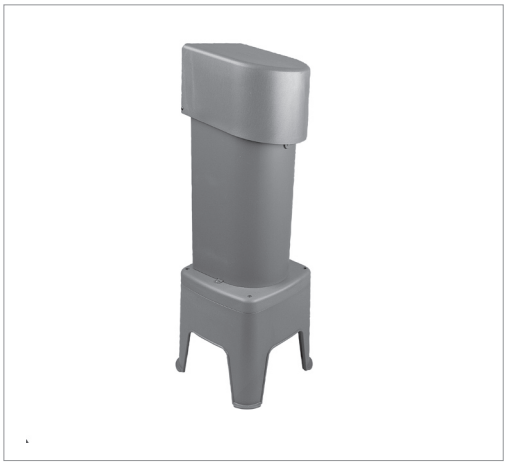
MODEL
Eclipse II - 250 watt metal halide illuminator

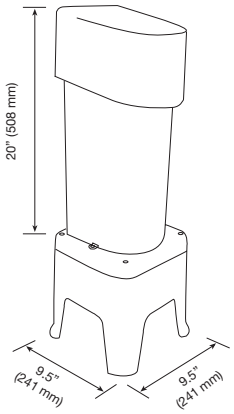
LAMP - 4200K

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

COLOR WHEEL
N - None
4S-SB - 4 standard
8S-SB - 8 standard
4C-SB - 4 custom
8C-SB - 8 custom
Note: Refer to color chart for options.

CONTROL SYSTEM
N - None
S - Synchronous
D - DMX 512 compatible
MS - 300C master module/sync.





Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

SV150T - Tower illuminator 150 watt metal halide lamp 10,000 hour lamp life 550 strand fiber capacity. The base of illuminator is designed for burial with the fibers, electrical and control wires concealed under the base.

SPECIFICATION FEATURES

UL Listed: for Wet Locations
UL file No. E202257

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

Lamp:
- 150 watt metal halide - 4,200K
- 10,000 hours average life

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

Power Consumption:
- 200 watts max.

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

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

Motors:
- 1RPM motor

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

Weight:
- 21 lbs.
- 9.5 kg.

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

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

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

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

Warranty:
- 1 Yr. (excluding lamp)

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

Standards:
- UL / cUL

IP Rating: 23

dB Rating: 48dbA

ORDERING INFORMATION

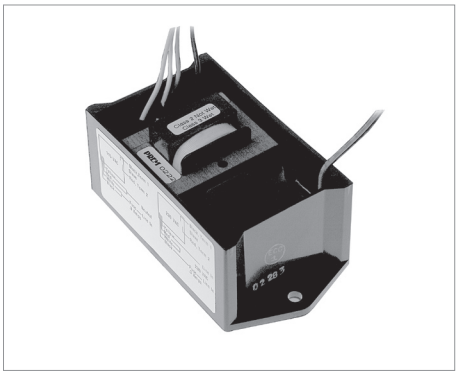
MOEDEL
150T - 150 watt metal halide illuminator

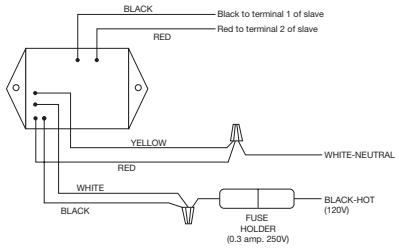
POWER
120 - 120 VAC, 60Hz
220 - 220 VAC, 50 Hz

COLOR WHEEL
N - None
6 - 6 standard

CONTROL SYSTEM
N - None
C - Sync. / instant color change*

* No need for SV300C or SV600C



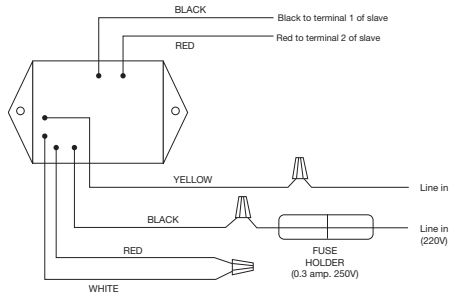


INTERNAL WIRING DIAGRAM FOR 120V, 60HZ

DESCRIPTION

The 300C is designed as an economical alternative to the 600C for small to medium applications, involving 1 to 10 synchronous illuminators. Its purpose is to keep those illuminators in 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 sv.300C can be added internally to the FiberPro and Eclipse to make them into a Master illuminator.

Note: Master Module not sold separately.



INTERNAL WIRING DIAGRAM FOR 220-240V, 50HZ

SPECIFICATION FEATURES

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

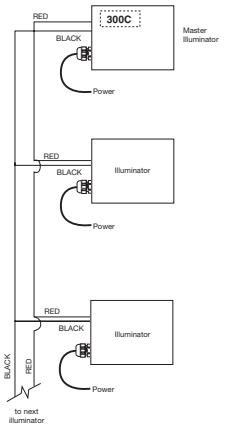
Dimensions:
- 4.0” x 2.05” x 1.6”
- 102mm x 52mm x 41mm

Construction:
- Plastic

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

Maximum Number Illuminators:
- 10

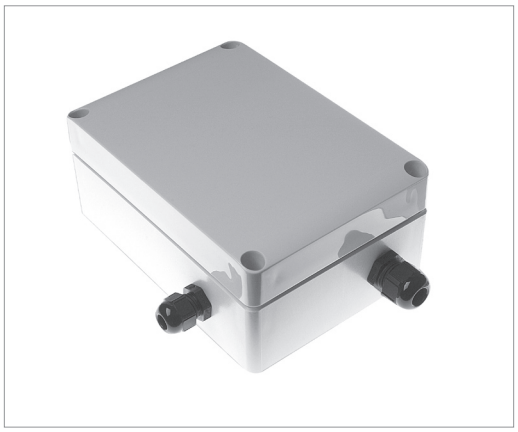
Wire Type:
- 600V, type TC control cable
- 18 AWG, 2 conductor
- Vinyl nylon tray cable
- UV resistant, suitable for direct burial-

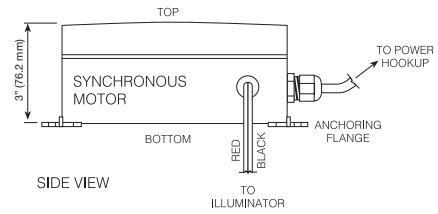


ORDERING INFORMATION

MODEL

SV300C - Synchronous control system
SVCC10 - Data cable for 300C



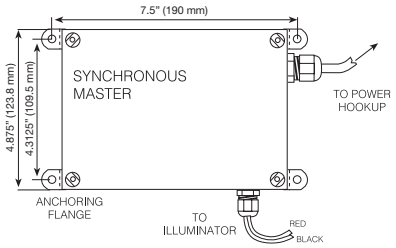


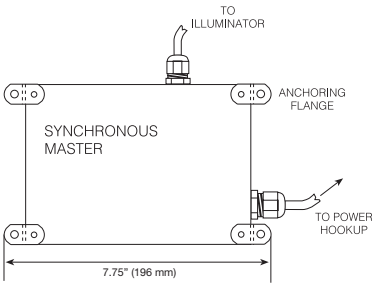
Project: _____

Type: _____

Voltage: _____

Notes:





DESCRIPTION

The 600C Master Control System unit is designed to synchronize the color wheel rotation between two or more illuminators. The 600C is an external unit separate from the illuminator. It can only be used with illuminators that have an internal slave control and sensor. The 600C is parallel wired to each illuminator.

Features:

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

SPECIFICATION FEATURES

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

Dimensions:
- 3" (76.2mm) x 4.875" (123.8mm) x 8"(203mm)

Construction:
- Plastic

Location Listing:
- Indoor/outdoor

Maximum Number Illuminators:
- 35

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

Standards:
- UL / cUL

IP Rating: 23

ORDERING INFORMATION

MODEL

sv600C - Synchronous control system
svCC10 - Data cable for 600C

Project: _____

Type: _____

Voltage: _____

Notes:

EXTERIOR FRONT

EXTERIOR BACK

DESCRIPTION

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

SPECIFICATION FEATURES

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

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

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

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

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

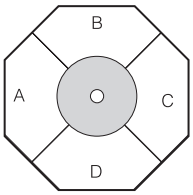
Serial Port:
- RS-232C
- 300 baud - 38.4 kbaud
- 7, 8 or 9 Data Bits
- 1 or 2 Stop Bits
- All parity types

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

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

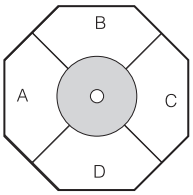
ORDERING INFORMATION

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



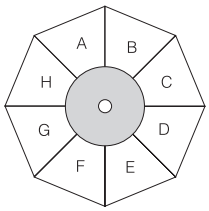
4-Color Wheel
Standard Colors

A • White #0
B • Hot Pink #3
C • Lime Green #12
D • Cyan #8



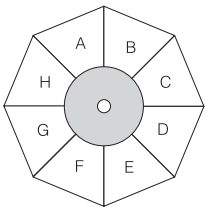
Custom
4-Color Wheel

A • _____
B • _____
C • _____
D • _____
(Note color & number)



8-Color Wheel
Standard Colors

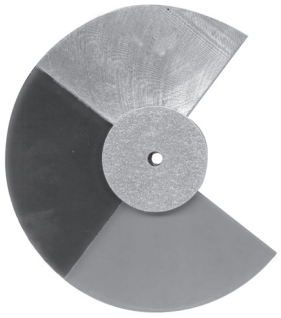
A • Clear (white) #0
B • Cyan #8
C • Yellow #13
D • Turquoise #9
E • Orange #15
F • Dark Blue #5
G • Hot Pink #3
H • Lime Green #12



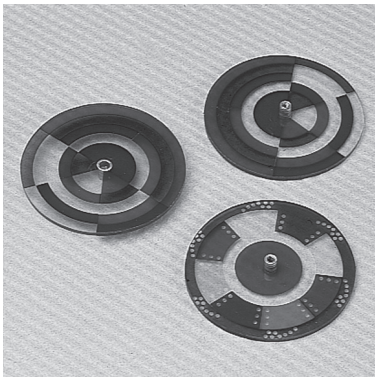
Custom
8-Color Wheel

A • _____
B • _____
C • _____
D • _____
E • _____
F • _____
G • _____
H • _____
(Note color & number)

Project: _____
Type: _____
Voltage: _____
Notes:



dimming wheel



lexan wheels

DESCRIPTIONS

Color and dimming wheels add a dynamic dimension to the creative possibilities of fiber optic lighting. A variety of colors are available in a standard four and eight color wheel, or any multitude of combinations can be achieved with any of 16 different colors. Color wheels are made of dichroic glass.

Vinyl color and sparkle wheels are used for endpoint applications to add color and sparkle to starfield ceilings, pavings and endpoint signage.

Dimming wheels are made of corrosion resistant stainless steel and are available in a variety of patterns to achieve any number of dimming effects.

SPECIFICATION FEATURES

Color Wheels
Dichroic coated glass color wheels are available in a variety of 16 colors plus clear. Dichroic wheels for use in metal halide light sources. Vinyl coated glass color and sparkle wheels are available in a variety of colors. Vinyl wheels for use in halogen light sources.
Four Dichroic Standard Colors:1 Clear (#0), Hot Pink (#3), Lime Green (#12), Cyan (#8).

Eight Dichroic Standard Colors: Clear (#0), Cyan (#8), Yellow (#13), Turquoise (#9), Orange (#15), Dark Blue (#5), Hot Pink (#3), Lime Green (#12).

Four Vinyl Standard Colors: Red, Green, Blue, and Yellow

Eight Vinyl Standard...

Dimming Wheels
Dimming wheels are made from dichoric glass and aluminum.

ORDERING INFORMATION

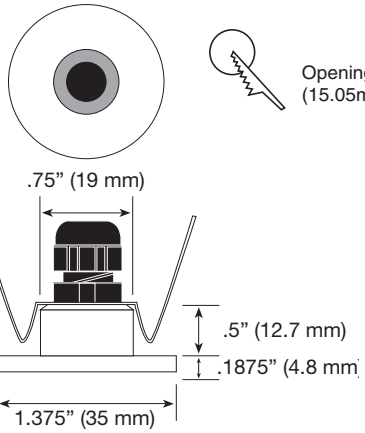
MODEL		MATERIAL	LIGHT SOURCES
ESTDC	Standard color wheel _____	Lexan_____	sv750/StarPro
ESTDS	Standard sparkle_____	Lexan_____	sv750/StarPro
EWS	White sparkle _____	Lexan_____	sv750/StarPro
ESH	Standard grey filter gel _____	Lexan_____	sv750/StarPro
EC	Clear wheel_____	Lexan_____	sv750/StarPro
COLORWHEEL4	4 custom colors (specify) _____	Lexan_____	sv750/StarPro
COLORWHEEL8	8 custom colors (specify) _____	Lexan_____	sv750/StarPro
EWS-SP	4" sparkle _____	Lexan_____	LitePro
4S-SB	4 colors - standard _____	Glass _____	sv1500/FiberPro/Eclipse/sv150T/sv150C/LitePro
8S-SB	8 colors - standard _____	Glass _____	sv1500/FiberPro/Eclipse/sv150T/sv150C/LitePro
4C-SB	4 colors - (choose) _____	Glass _____	sv1500/FiberPro/Eclipse/sv150T/sv150C/LitePro
8C-SB	8 colors - (choose) _____	Glass _____	sv1500/FiberPro/Eclipse/sv150T/sv150C/LitePro
SVCW	4 or 8 color - custom (specify) _____	Glass _____	sv1500/FiberPro/Eclipse/sv150T/sv150C/LitePro
SVDIMWHEEL	Dimming wheel for standard units_____	Glass _____	FiberPro, sv1500
SVDIMWHEELNEW	Dimming wheel for dimming units_____	Glass _____	FiberPro, sv1500

SL500

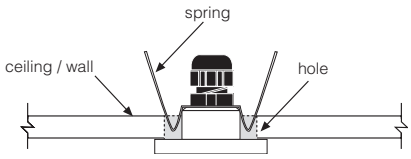
SL501

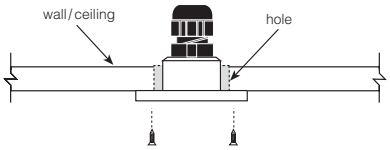
SL502

SL503



Opening: .75"
(15.05mm) - spring





Project:_____
Type:_____
Voltage:_____
Notes:

DESCRIPTION

The SL-500 Series Step Light features a small, unobtrusive size, making it perfectly suited for low-light and limited space applications such as stairways and display cases. its small size allows the light, and the object or area it illuminates to be the focus of attention and safety. A variety of finish colors are available to suit any architectural, commercial or retail decor. The SL500 series is designed to work with EndGlow™ cabling.

SPECIFICATION FEATURES

Construction
Fixture housing is made of spun brass or aluminum and finished for lasting beauty and durability. Finishes include natural brass and aluminum, black aluminum and white aluminum. Spring mounting secures fixtures tightly into walls, ceilings or display cases. Compression fitting hold fibers tightly into fixture. 1.375” (35mm) diameter.
Cabling
The SL-500 accommodates 4 strand through 75 strand EndGlow™ cables (see Endglow™ Cable spec sheet for detailed cable information)

WARRANTY

One year warranty on all parts and workmanship

ORDERING INFORMATION

STEP LIGHT LENS

SL500	Brass
SL501	Aluminum
SL502	Aluminum-black
SL503	Aluminum-white

ENDGLOW CABLES (Order separately)

SV4EG	4 fibers
SV8EG	8 fibers
SV12EG	12 fibers
SV25EG	25 fibers
SV50EG	50 fibers
SV75EG	75 fibers

FD700SC

FD701SC

FD702SC

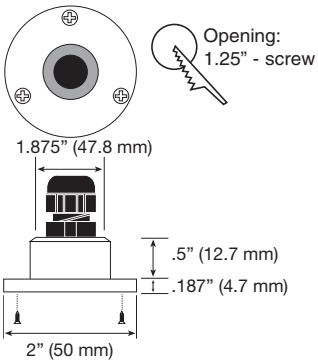
FD703SC

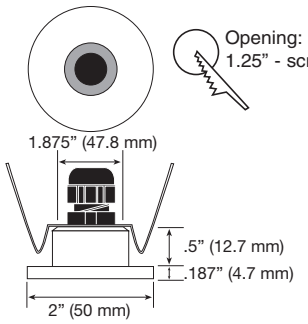
FD700SP

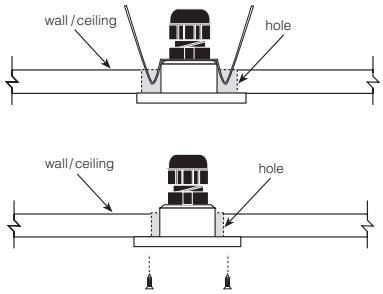
FD701SP

FD702SP

FD703SP







DESCRIPTION

The FD-700 Series Fixed Downlight accommodates greater fiber quantities to provide greater amounts of light for more traditional downlight applications. A choice of mounting styles adds installation versatility to any application. A variety of finishes are available to suit any architectural, commercial or retail decor. The FD-700 series is designed to work with EndGlow™ cabling.

SPECIFICATION FEATURES

Construction

Fixture housing is made of spun brass or aluminum and finished for lasting beauty and durability. Finishes include natural brass and aluminum, black aluminum and white aluminum. Spring or screw mounting secures fixtures tightly into walls and ceilings. Compression fitting hold fibers tightly into fixture. 2" (50mm) diameter.

Cabling

The FD-700 series accommodates up to a 150-strand EndGlow™ cable
(see Endglow™ Cable spec sheet for detailed cable information)

WARRANTY

One year warranty on all parts and workmanship

ORDERING INFORMATION

FIXED DOWNLIGHT LENS

FD700SC	Brass, screw mount
FD701SC	Aluminum, screw mount
FD702SC	Aluminum-black, screw mount
FD703SC	Aluminum-white, screw mount
FD700SP	Brass, spring mount
FD701SP	Aluminum, spring mount
FD702SP	Aluminum-black, spring mount
FD703SP	Aluminum-white, , spring mount

ENDGLOW CABLES (Order separately)

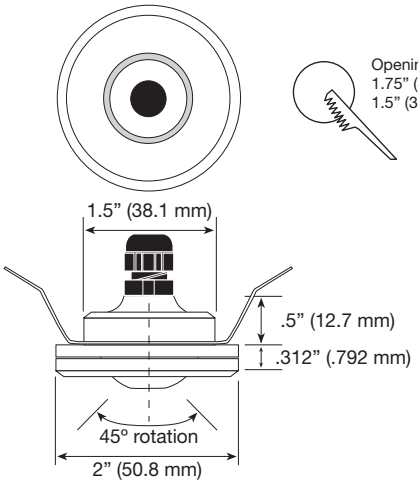
SV4EG	4 fibers
SV12EG	12 fibers
SV25EG	25 fibers
SV50EG	50 fibers
SV75EG	75 fibers
SV150EG	150 fibers

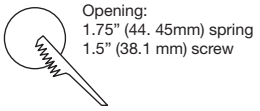
EB900

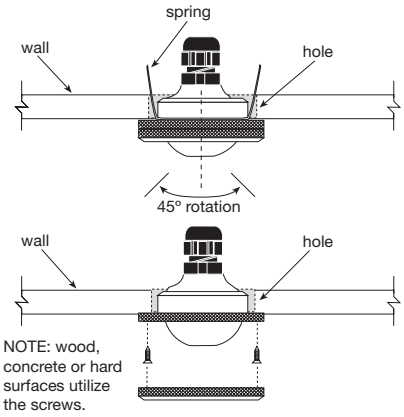
EB901

EB902

EB903







Project:_____
Type:_____
Voltage:_____
Notes:

DESCRIPTION

The EB-900 Series eyeball lens is an adjustable and aimable recessed fixture. It is perfectly suited for wall washing and creating layered lighting effects. Its adjustability and compact size allows it to perform well within display cases or for illuminating small artwork. A variety of finish colors are available to suit any architectural, commercial or retail decor. The EB-900 series is designed to work with EndGlow™ cabling.

SPECIFICATION FEATURES

Construction
Fixture housing is made of spun brass or aluminum and finished for lasting beauty and durability. Finishes include natural brass and aluminum, black aluminum and white aluminum. Eyeball provides 45° rotation. Equipped with spring and screws for choice of mounting fixture tightly into ceilings or display cases. Compression fitting hold fibers tightly into fixture. 2” (50.8mm)diameter.
Cabling
The EB-900 accommodates 4 strand through 75 strand EndGlow™ cables
(see Endglow™ Cable spec sheet for detailed cable information)

WARRANTY

One year warranty on all parts and workmanship

ORDERING INFORMATION

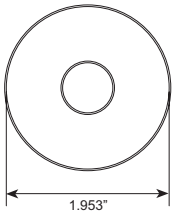
EYEBALL LENS

EB900	Brass
EB901	Aluminum
EB902	Aluminum-black
EB903	Aluminum-white

ENDGLOW CABLES (Order separately)

SV4EG	4 fibers
SV8EG	8 fibers
SV12EG	12 fibers
SV25EG	25 fibers
SV50EG	50 fibers
SV75EG	75 fibers

ESDL-WHITE



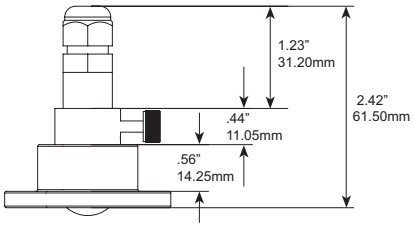
Project: _____

Type: _____

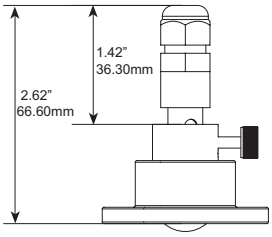
Voltage: _____

Notes:

ESDL-BLACK

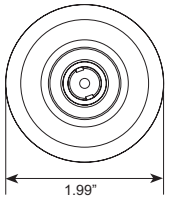


MINIMUM DIMENSION

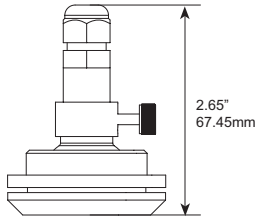


MAXIMUM DIMENSION

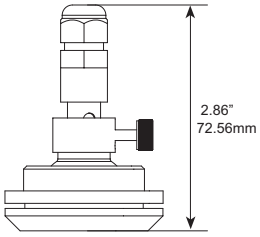
ESEB-BLACK



ESEB-WHITE



MINIMUM DIMENSION



MAXIMUM DIMENSION

DESCRIPTION

The ESDL Series, adjustable beam fixtures are designed for use with a single 3mm jacketed fiber and ES150 illuminator. Beam angles are set, using 2 rotating thumb screws to one of these positions. 15˚, 25˚, or 40˚

SPECIFICATION FEATURES

Construction

Fixture housing is made of aluminum and finished for lasting beauty and durability. Finish is white or black aluminum. Compression fitting holds fiber tightly into fixture.

Cabling

The ESDL fixture accommodates 1 - SVPAF3mm fiber. (See spec sheet on page A4 for detailed cable information)

WARRANTY

One year warranty on all parts and workmanship

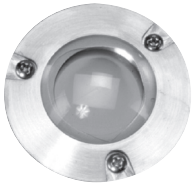
ORDERING INFORMATION

ADJUSTABLE BEAM FIXTURES

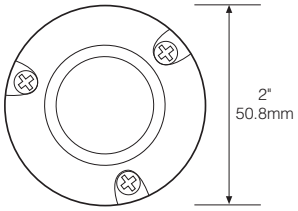
ESDL-WHITE	White, Aluminum
ESDL-BLACK	Black, Aluminum
ESEB-WHITE	White, Aluminum
ESEB-BLACK	Black, Aluminum

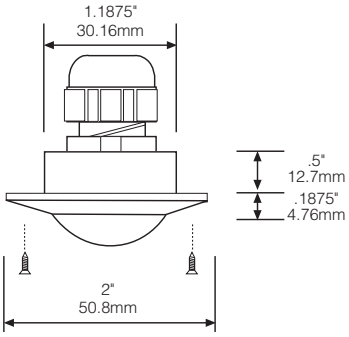
JACKETED ENDPOINT FIBERS (Order separately)

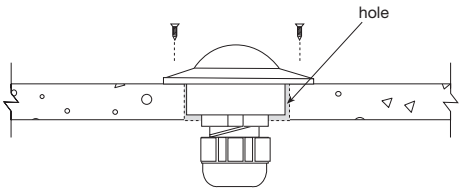
SVPAF3MM	1 fiber



SS400







Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

Screw mounted stainless steel fixture with glass convex lens.

SPECIFICATION FEATURES

Construction
Stainless steel housing, glass lens, fiber tight connector to secure fiber optic cable in place.
Cabling
The SS400 accommodates up to 150 fibers.

WARRANTY

One year warranty on all parts and workmanship

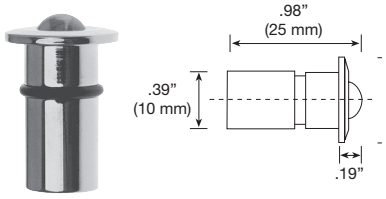
ORDERING INFORMATION

STAINLESS DOWNLIGHT

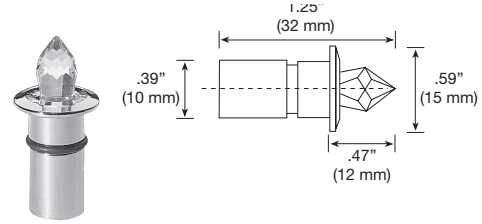
SS400 Screw-mounted fixture

ENDGLOW CABLES (Order separately)

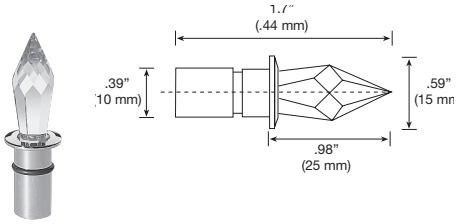
SV4EG	4 fibers
SV12EG	12 fibers
SV25EG	25 fibers
SV50EG	50 fibers
SV75EG	75 fibers
SV150EG	150 fibers



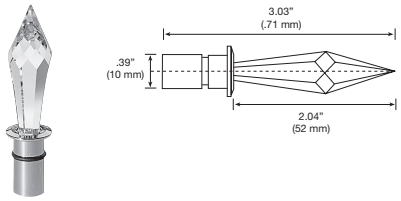
DDF0001.01 (GOLD)
DDF0001.02 (NICKEL)



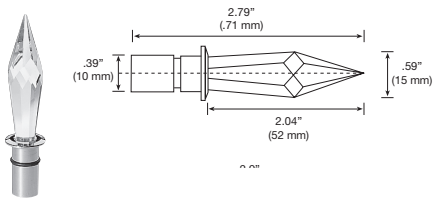
DDF0002.01 (GOLD)
DDF0002.02 (NICKEL)



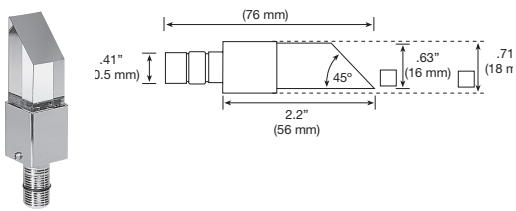
DDF0003.01 (GOLD)
DDF0003.02 (NICKEL)



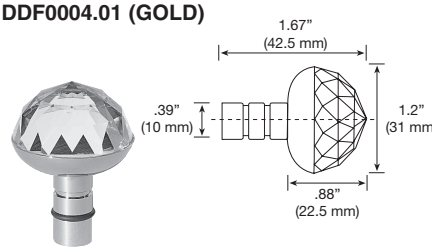
DDF0004.01 (GOLD)



DDF0005.01 (GOLD)



DDF0006.01 (NICKEL)



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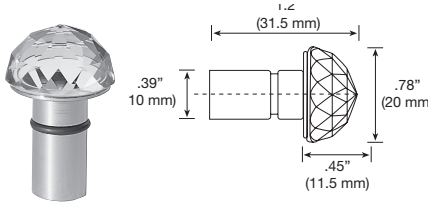
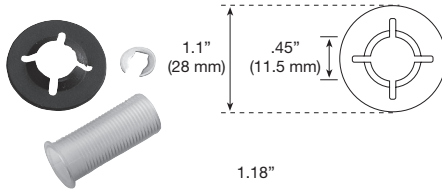


DDF0008.01 (GOLD)
DDF0008.02 (NICKEL)



DDF0009.01 (MOUNTING SLEEVE)
ORDER SEPARATELY

DESCRIPTION

The Crystal Series features genuine cut and polished crystal in a variety of shapes. They can be arranged to create stunning starfield ceilings effects. Using a variety of sizes and layouts, the Crystals can form familiar constellations or magnificent custom designs. A 45 degree prism fixture will nicely wall wash small areas where art or sculpture is displayed. The beauty and charm of these wondrous fixtures will add sparkling appeal to any retail, commercial, residential or entertainment facility.

SPECIFICATION FEATURES

Construction
Each fixture features genuine cut and polished fine crystal optical pieces.The metal neck is plated in gold or nickel for a beautiful and lasting finish. An O-ring gasket allows the fixture to hold firmly into a universal mounting sleeve.Each fixture comes complete with Universal Mounting Sleeve (Extra sleeves may be ordered separately). Mounting sleeves include a speed-nut, to hold the sleeve securely in the ceiling, and a fiber cable strain relief
Cabling
4 to 12 fibers.

WARRANTY

One year warranty on all parts and workmanship

ORDERING INFORMATION

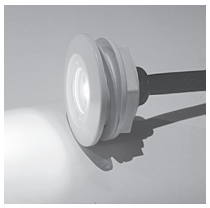
CRYSTAL LIGHTS

DDF0001.01	Light Point Crystal - convex, smooth
DDF0001.02	Light Point Crystal - convex, smooth
DDF0002.01	12mm Star Crystal - small cut
DDF0002.02	12mm Star Crystal - small cut
DDF0003.01	25mm Star Crystal - medium small cut
DDF0003.02	25mm Star Crystal - medium small cut
DDF0004.01	36mm Star Crystal - medium cut
DDF0005.01	52mm Star Crystal - large cut
DDF0006.01	45° Prism
DDF0007.01	Dome - large, 30mm
DDF0008.01	Dome - medium, 20mm
DDF0008.02	Dome - medium, 20mm
DDF0009.01	Mounting sleeve - order separately

ENDGLOW CABLES (Order separately)

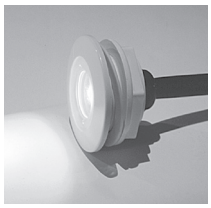
SV4EG	4 fibers
SV8EG	8 fibers
SV12EG	12 fibers

Project:_____
Type:_____
Voltage:_____
Notes:



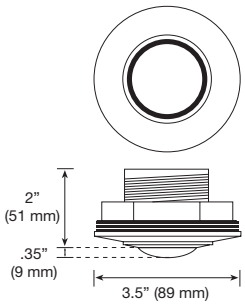
SVWNF-WHITE
(PLASTIC BULLSEYE LENS)

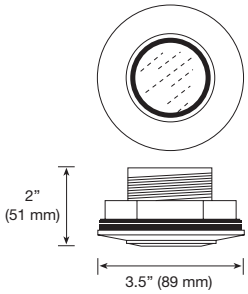
SVWNFC-WHITE
(CONVEX GLASS LENS)

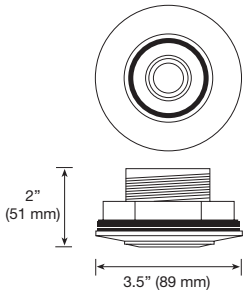


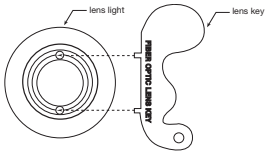
SVWNFF-WHITE
(GLASS BULLSEYE LENS)

SVLKEY2









Project:_____

Type:_____

Voltage:_____

Notes:

DESCRIPTION

Underwater lens for pools, fountains and ponds. Three lens options are available. Plastic, glass, concave and flat glass.

SPECIFICATION FEATURES

Construction
The underwater lens fixture is made of molded plastic with a clear acrylic lens; its gasketing prevents water leakage, making it perfect for pool and pond applications. Each fixture features a nylon compression held which securily holds the fiber cabling. Each fixture is suitable for wet locations.
Cabling
300 strand fiber capacity

WARRANTY

One year warranty on all parts and workmanship

ORDERING INFORMATION

UNDERWATER LENSES

SVWNF Plastic “bullseye” lens

SVWNFF Flat glass flood lens

SVWNFC Convex glass spot lens

SVLKEY2 Aluminum lens key

Note 1: Specify for gunite/concrete, fiberglass or vinyl liner pools when ordering.

Note 2: Black housing available, must specify at time of order.

TOOLS

SVLKEY2 Aluminum lens key

Project: _____
Type: _____
Voltage: _____
Notes:

DESCRIPTION

Fiber optic curtain with fiber optic points of light. Density and point sizes are customer requirements.

SPECIFICATION FEATURES

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

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

Finished Curtain Weight:
- 0.22 lbs.. (0.09kg.) per square foot

Fiber Pattern Density:
- 1 circuit - 2.5 fibers per square foot
- 2 circuits - 3.12 fibers per square foot
- 3 circuits - 3.75 fibers per square foot

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

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

Upgrade:
- StarPro - see page 26.
- SV750 - see page 25.

ORDERING INFORMATION

FIBER OPTIC CURTAIN

75 Watt Quartz Illuminator

POWER SUPPLY

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

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)

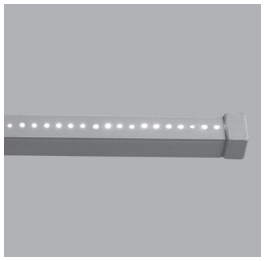
Color Wheel (4 custom colors)

Color Wheel 8 (8 custom colors)

NONE

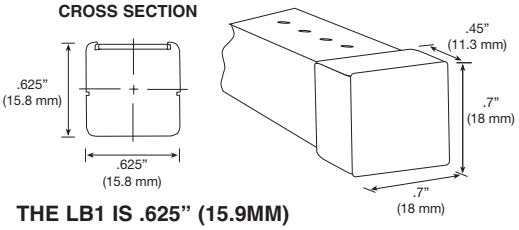
ENDGLOW CABLES (Order separately)

SV8EG	8 fibers
SV12EG	12 fibers
SV25EG	25 fibers
SV50EG	50 fibers



LB1

CROSS SECTION



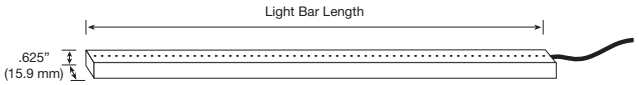
THE LB1 IS .625" (15.9MM) SQUARE EXTRUDED PLASTIC.

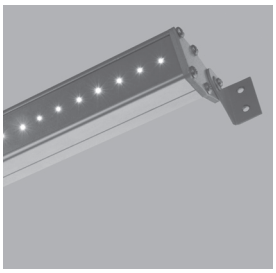
Project: _____

Type: _____

Voltage: _____

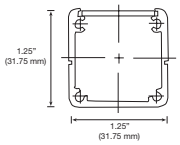
Notes:



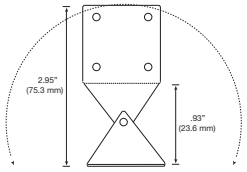


LB2

CROSS SECTION

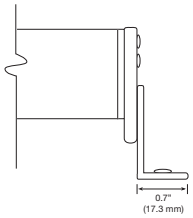


BRACKET SIDE VIEW



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

BRACKET FRONT VIEW



DESCRIPTION

Fiber optic light bar for display case lighting, cove lighting, glass edge lighting and under counter lighting applications.

SPECIFICATION FEATURES

Construction
Aluminum or plastic housing with Endpoint fiber at 1/4" or 1/2" spacing.

WARRANTY

One year warranty on all parts and workmanship

ORDERING INFORMATION

LIGHT BAR

LB1 .625" (15.9mm) sq. plastic

LB2 1.25" (15.875mm) sq. aluminum

LB LED Light Bar - refer to LED section for details and specifications.

LB1 BAR LENGTH / light bar

12" up to 3' w/ .25"
(305mm x 914mm) w/ (6.35mm)

12" up to 4' w/ .5' (std.)
(305mm x 219mm) w/ (12.7mm)

12" up to 6' w/ .1'
(305mm x 1829mm) w/ (25.4mm)

LB2 BAR LENGTH / light bar

12" up to 8' w/ .25"
(305mm x 2438mm) w/ (6.35mm)

12" up to 4' w/ .5' (std.)
(305mm x 1219mm) w/ (12.7mm)

12" up to 8' w/ .1'
(305mm x 1829mm) w/ (25.4mm)

FIBER SPACING

A - 1/4"

B - 1/2"

HARNESS LENGTH

LB1: 12" up to 100'
(305mm x 30480mm)

LB2: 12" up to 100'
(305mm x 30480mm)

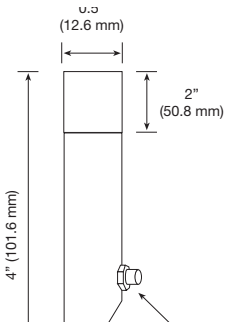
SVL100 PLAIN

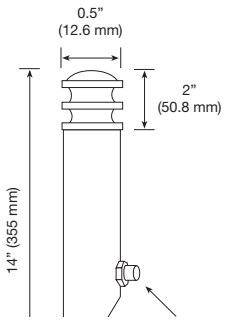
SVL101 TIER

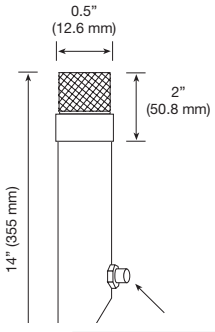
SVL102 KNURLED

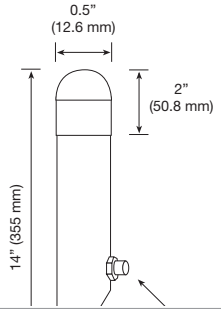
SVL104 INVERTED

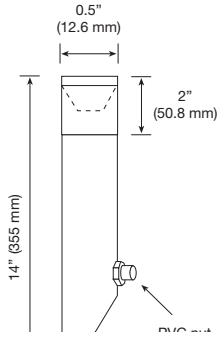
SVL107 BOLERO









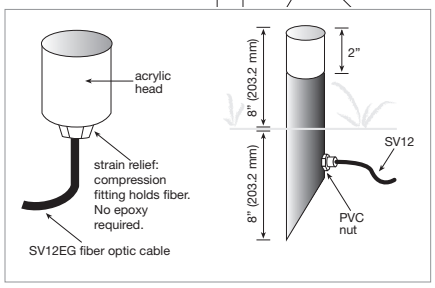


Project:_____

Type:_____

Voltage:_____

Notes:



Install Assembly Diagram

DESCRIPTION

SuperVision's decorative Pathlights provide all the benefits of fiber optic lighting in a wide variety of aesthetic styles that are easy to install and maintain. Fiber optics are a natural choice for marking exterior paths, walkways, drives, and landscaping beds, because it carries no electricity to the fixture, making them extremely safe in wet weather and around children and pets.

SPECIFICATION FEATURES

Construction
Compression fitting hold fibers tightly and threads into bottom of luminous head. Nine distinct styles provide a variety of aesthetic choices. Extruded black PVC body is slanted on the bottom, allowing easy installation into the ground. Cables can be buried underground or simply covered by mulch material 1-7/8" diameter
Recommended height exposed above ground: 8"
Cabling
The Decorative Pathway Series accommodates 4 strand through 50 strand endglow cables (see Endglow Cable spec sheet for detailed cable information)

WARRANTY

One year warranty on all parts and workmanship

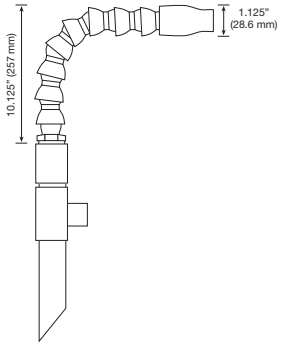
ORDERING INFORMATION

PATHLIGHT

SVL100	Plain
SVL101	Tier
SVL102	Knurled
SVL104	Inverted
SVL107	Bolero

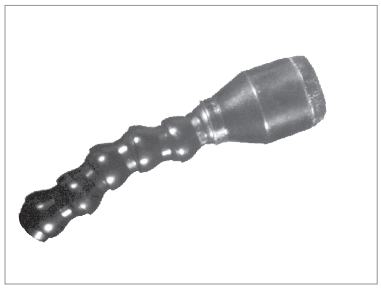
ENDGLOW CABLES (Order separately)

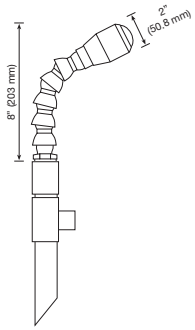
SV8EG	8 fibers
SV12EG	12 fibers
SV25EG	25 fibers
SV50EG	50 fibers



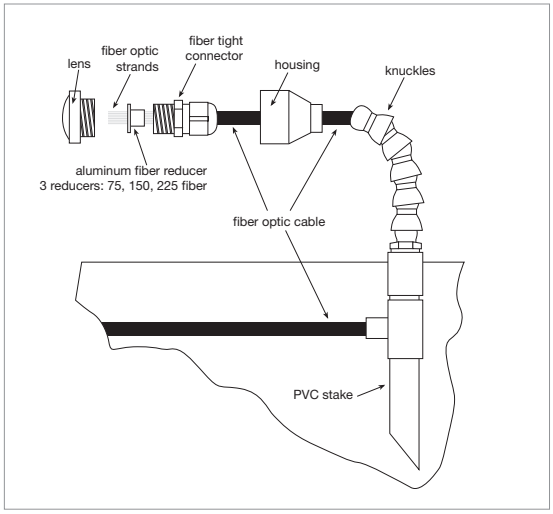
Project: _____
Type: _____
Voltage: _____
Notes:

SVA200
ACCENT LIGHT





SVA205
FLOODLIGHT



the Assembly / Install Diagram

DESCRIPTION

Flexible accent and floodlights for lighting shrubs, trees and building facades.

SPECIFICATION FEATURES

Construction
The A200 and A205 Accent lights are made of molded pvc plastic; the segmented body is adjustable and aimable for precise lighting of plants and shrubs.
Cabling
The A200 can accommodate up to 75 fibers.
The A205 can accommodate up to 150 fibers.

ORDERING INFORMATION

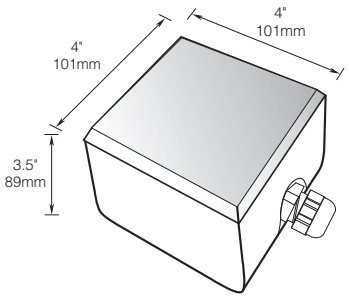
FLOOD / ACCENT LIGHT

SVA200	Flexible accent light,	Plastic lens,	black pvc body
SVA205	Flexible floodlight,	Glass lens,	black pvc body

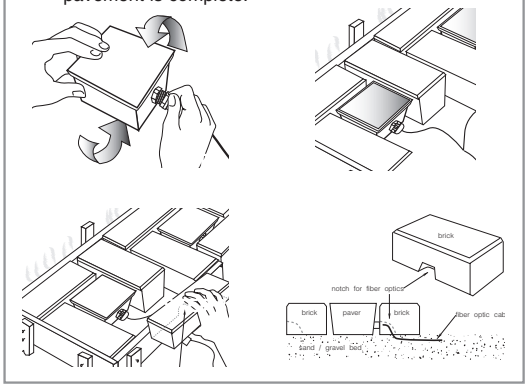
ENDGLOW CABLES (Order separately)

SV25EG	25 fibers
SV50EG	50 fibers
SV75EG	75 fibers
SV150EG	150 fibers

SVPAVER4X4



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



Installation Guide

Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

For use in paver designs, concrete walkways, or when illuminating walls. Each paver uses as few as 12 strands of EndGlow® fiber, that means that up to 40 pavers can be used per illuminator.

SPECIFICATION FEATURES

Construction
ABS and white translucent polycarbonate top. Fibertight connector secures fiber optic cable in fixture.
Cabling
The 4x4paver can accommodate up to 25 fibers.

WARRANTY

One year warranty on all parts and workmanship

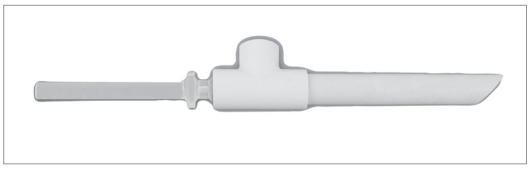
ORDERING INFORMATION

PAVER LIGHT

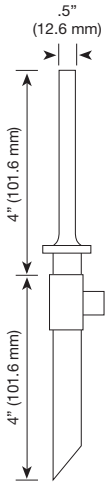
SVPAVER4X4	Inground paver light Poly carbonate top and ABS base

ENDGLOW CABLES (Order separately)

SV8EG	8 fibers
SV12EG	12 fibers
SV25EG	25 fibers

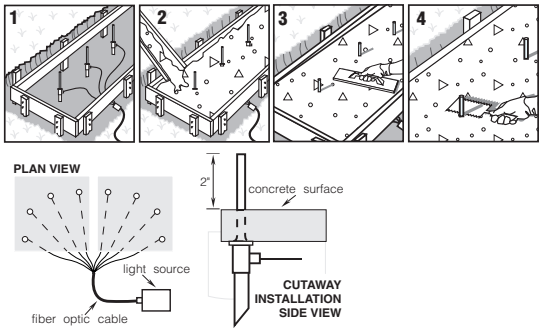


SVL300



ACRYLIC WAND

Project: _____
Type: _____
Voltage: _____
Notes:



Light Stick Installation Guide

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

DESCRIPTION

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

Features:

- Color change capability
- Remote illuminator
- No heat at the light stick
- Multiple fixtures on one lamp

SPECIFICATION FEATURES

Construction
Fixture Construction
Acrylic rod and pvc base and stake. Fibertight connector secures fiber optic cable in fixture.

Cabling
A Light Stick can accommodate up to 12 fibers. Kit comes with 4 fibers.

WARRANTY

One year warranty on all parts and workmanship

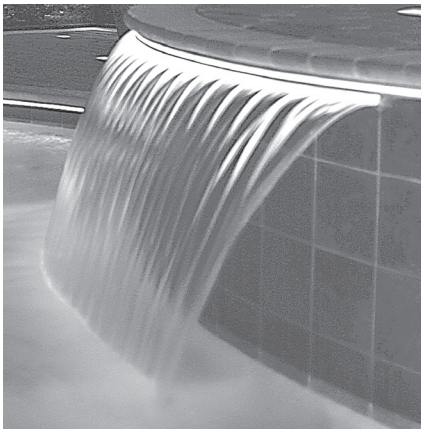
ORDERING INFORMATION

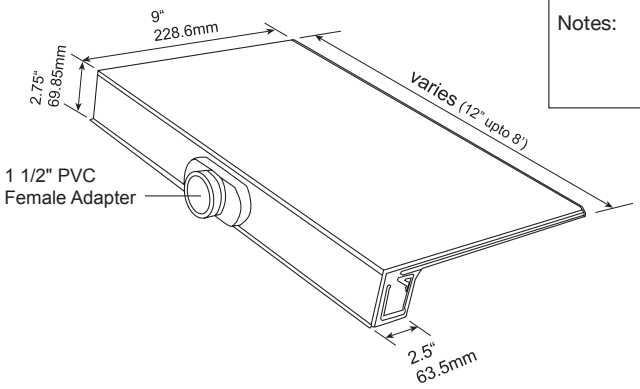
LIGHT STiCK

SVL300Kit	6 Acrylic wands, pvc body
SVL300	1 Acrylic wand, pvc body
SVC40	Saw

ENDGLOW CABLES (Order separately for individual Light Sticks)

SV4EG	4 fibers
SV8EG	8 fibers
SV12EG	12 fibers





Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

The Oasis NOVA Fall adds interest and beauty to any pool or water feature. The sheet flow waterfall uses integrated fiber optic lighting creating dramatic light, color and sound.

Constrction: PVC body, PMMA acrylic fiber optics

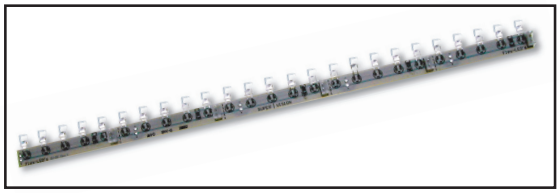
ORDERING INFORMATION

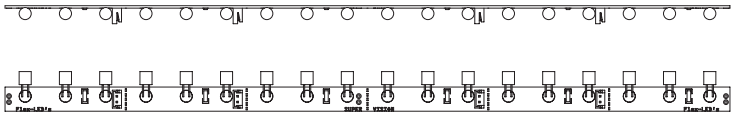
NOVA FALL

OAWF-12-9-NF-15F	1ft. waterfall /15' fiber
OAWF-12-9-NF-25F	1ft. waterfall/25' fiber
OAWF-12-9-NF-40F	1ft. waterfall/40' fiber
OAWF-18-9-NF-15F	18" waterfall/15' fiber
OAWF-18-9-NF-25F	18" waterfall/20' fiber
OAWF-18-9-NF-40F	18" waterfall/40' fiber
OAWF-24-9-NF-15F	2ft. waterfall/15' fiber
OAWF-24-9-NF-25F	2ft. waterfall/25' fiber
OAWF-24-9-NF-40F	2ft. waterfall/40' fiber
OAWF-36-9-NF-15F	3ft. waterfall/15' fiber
OAWF-36-9-NF-25F	3ft. waterfall/25' fiber
OAWF-36-9-NF-40F	3ft. waterfall/40' fiber
OAWF-48-9-NF-15F	4ft. waterfall/15' fiber
OAWF-48-9-NF-25F	4ft. waterfall/25' fiber
OAWF-48-9-NF-40F	4ft. waterfall/40' fiber
OAWF-60-9-NF-15F	5ft. waterfall/15' fiber
OAWF-60-9-NF-25F	5ft. waterfall/25' fiber
OAWF-60-9-NF-40F	5ft. waterfall/40' fiber
OAWF-72-9-NF-15F	6ft. waterfall/15' fiber
OAWF-72-9-NF-25F	6ft. waterfall/25' fiber
OAWF-72-9-NF-40F	6ft. waterfall/40' fiber
OAWF-84-9-NF-15F	7ft. waterfall/15' fiber
OAWF-84-9-NF-25F	7ft. waterfall/25' fiber
OAWF-84-9-NF-40F	7ft. waterfall/40' fiber
OAWF-96-9-NF-15F	8ft. waterfall/15' fiber
OAWF-96-9-NF-25F	8ft. waterfall/25' fiber
OAWF-96-9-NF-40F	8ft. waterfall/40' fiber

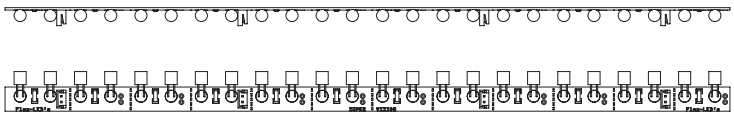
Fiber Count / Capacity per waterfall

1ft. waterfall = 25 fibers
2ft. waterfall = 50 fibers
3ft. waterfall = 75 fibers
4ft. waterfall = 100 fibers
5ft. waterfall = 150 fibers
6ft. waterfall = 150 fibers
7ft. waterfall = 175 fibers
8ft. waterfall = 200 fibers



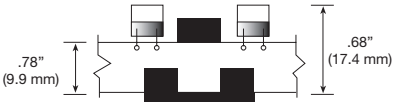


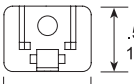
Clear Red : 18 LEDs



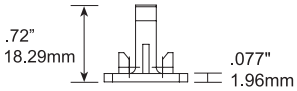
Blue , Green : 24 LEDs

MOUNTING CLIP

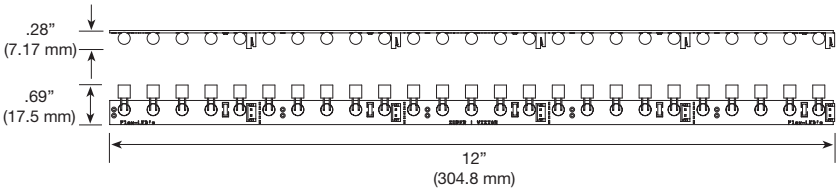




FX CLIP
TOP VIEW



FX CLIP
SIDE VIEW



Amber, Deep Red, Orange : 25 LEDs

***Note : Dimensions typical for all FlexLED™ color strips**

DESCRIPTION

12 VDC Flexbile strip with LED's for cover lighting, display cases, channel letters and signage.

SPECIFICATION FEATURES

Features
- Connect strips together via jumper cables
- 4 jumper sockets per strip for easy connection to other FlexLed strips
- The FlexLED strips can easily be cut in the field.
- Bend radious : 1.5" (38mm)

The FlexLED system
- The FlexLED strip - available in 1 foot segments and 6 colors
- 12V power supply - available in a full range if wattage
- Power/Jumper cables to connect the strips together withour solder
- Mounting clips for easy installation

Energy Efficient

One 12" (305mm) red segment uses 1.5 to 1.8 watts per foot
deep red, clear red, amber, and orange.
3.2 watts per foot for green, and blue
- Maximum distance for power cable to FlexLED strip is 30 feet (a0m)
- Power supplies are available in ranges from 60 to 300 watts.

Standards
- UL/ cUL/ ETL (tested to UL48)
- Must be used with a UL approved Class 2 power supply

Maximum Current Per PCB for Green, blue - 260mA per strip
Maximum Current Per PCB for Clear Red, Deep Red, Orange, Amber - 180mA per strip
Number of LEDs per strip - • 18 - Clear Red
• 24 - Green, Blue
• 25 - Deep Red, Orange, Amber
PCB Length - 12" (305mm)
Input-Voltage - 12VDC
Connector Power Rating - 3A
LED type - AlInGap (Deep Red, Clear Red, Orange, Amber) high flux
InGan (Green, Blue) high flux
PCB material - UL 94-V0 FR-4 G10 Fiberglass
LED spacing - 0.5"(13mm) for 24 LED - Green, blue
0.47" (12mm) for 25 LED - Deep Red, Orange, Amber
0.67" (17mm) for 18 LED - Clear Red
PCB width - 0.4" (10mm)
PCB thickness - 0.037" (0.94mm)
Cable - FXPC
Cable wiring gauge - #22Awg standard
Optical data - 100˚ beam spread
Envionmental specs - -65˚F to 130˚F, 0 - 100% humidity (no direct rain)

ORDERING INFORMATION

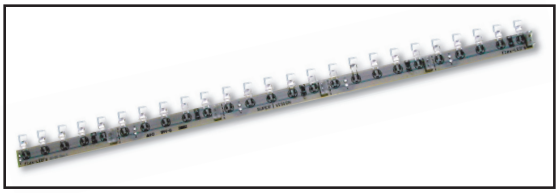
FLEX-led strip

10.0300	red 12"
10.0301	clear red 12"
10.0302	amber 12"
10.0303	blue 12"
10.0304	green 12"
10.0306	orange 12"

MOUNTING CLIP

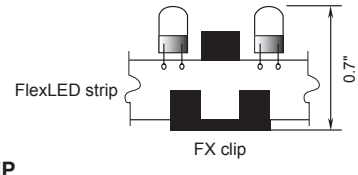
FXCLIP	mounting clip 30 per bag

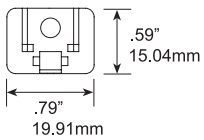
Project:_____
Type:_____
Voltage:_____
Notes:



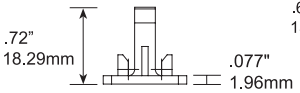
Project: _____
Type: _____
Voltage: _____
Notes:

MOUNTING CLIP

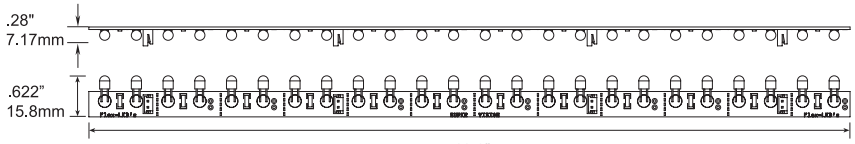




FX CLIP TOP VIEW



FX CLIP SIDE VIEW



White : 24 LEDs

DESCRIPTION

12 VDC Flexbile strip with LED's for cover lighting, display cases, channel letters and signage.

SPECIFICATION FEATURES

Features
- Connect strips together via jumper cables
- 4 jumper sockets per strip for easy connection to other FlexLed strips
- The FlexLED strips can easily be cut in the field.
- Bend radious : 1.5" (38mm)

Benefits:
- Highest Performance
- Optically Better
- Smallest Size
- Higher Reliability
- Improved Thermal Performance
  - -EDS Protected with a built in Zener Diode
  - -Flip chip technology so there is no wire bound to fail Flip-chip packaging is clearly superior to that of conventional wire-bond
  - -Thicker and more even phosphor distribution for better Color Consistency
  - -Better angle consistency
  - -This 4mm LED Package was designed for illumination applications

The FlexLED system
- The FlexLED strip - available in 1 foot segments
- 12V power supply - available in a full range if wattage
- Power/Jumper cables to connect the strips together withour solder
- Mounting clips for easy installation

Energy Efficient
One 12" (305mm) red segment uses 3.2 watts per foot for white
- Maximum distance for power cable to FlexLED strip is 30 feet (a0m)
- Power supplies are available in ranges from 60 to 300 watts.

Standards
- UL/ cUL/ ETL (tested to UL48)
- Must be used with a UL approved Class 2 power supply

Maximum Current Per PCB for White - 260mA per strip
Number of LEDs per strip - 24 - White

PCB Length - 12" (305mm)
Input-Voltage - 12VDC
Connector Power Rating - 3A
LED type - InGan (White) high flux
PCB material - UL 94-V0 FR-4 G10 Fiberglass
LED spacing - 0.5"(13mm) for 24 LED - White
PCB width - 0.4" (10mm)
PCB thickness - 0.037" (0.94mm)
Cable - FXPC
Cable wiring gauge - #22Awg standard
Optical data - 100˚ beam spread
Envionmental specs - -65˚F to 130˚F, 0 - 100% humidity (no direct rain)

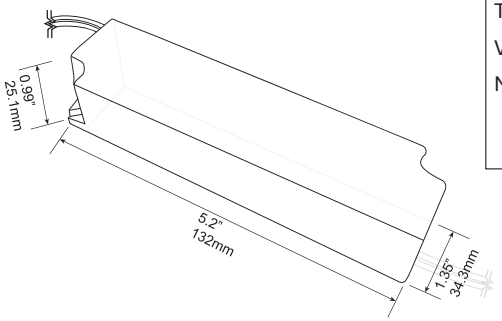
ORDERING INFORMATION

FLEX-led strip

10.0309-5 Cool white 12”
10.0309-6 Warm white 12”

MOUNTING CLIP

FXCLIP mounting clip
30 per bag



Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

LED's have found their way into applications such as contour decorative lighting and channel letters where traditionally neon tubes are used. In color applications, LED's can bring savings of up to 80% with respect to neon tube based systems. Moreover, constant maintenance problems and tube fragility associated with neon solutions can be a thing of the past when LED based systems are used. The initial investment required in LED systems with colors such as red and amber are at par with neon.

SPECIFICATION FEATURES

Features

- UL Class 2
- Damp location rated
- Small, compact size
- Inherent short circuit protection
- Extreme low temperature performance (-40C)
- Tightly regulated output (1% line, 5% load)
- High power factor
- 5 year warranty
- "Powered by Advance"

Benefits

- Limited output voltage and current plus isolation for safe operation
- Suitable for use in self-contained signs and raceways
- Facilitates use in self-contained signs for the simplest and most economical final installation
- Added safety without any troublesome fuses
- Allows use in any outdoor application
- Consistent light output regardless of line and load levels
- Minimizes amperage draw to reduce the number of power feeds required
- Peace of mind for your sign from the industries most trusted component maker
- Advance is preferred by end-users - Enhance the value of your product

Input

AC input - 6-inch 18AWG leads, Line (Black), Neutral (White)
Volts (60 Hz) - 120+/- 10%
Power max (W) - 15.0
Current Max (A) - 0.14

Output

12 VDC output - 6-inch 18AWG leads, Positive (Red), Negative (Blue)
Power Min (W) - 2.0
Power max (W) - 12.0
Current Max (A) - 1.0

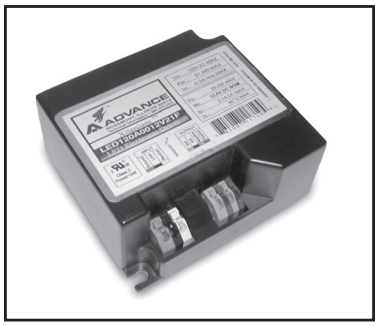
Max Allowable Case temp. - 85˚C

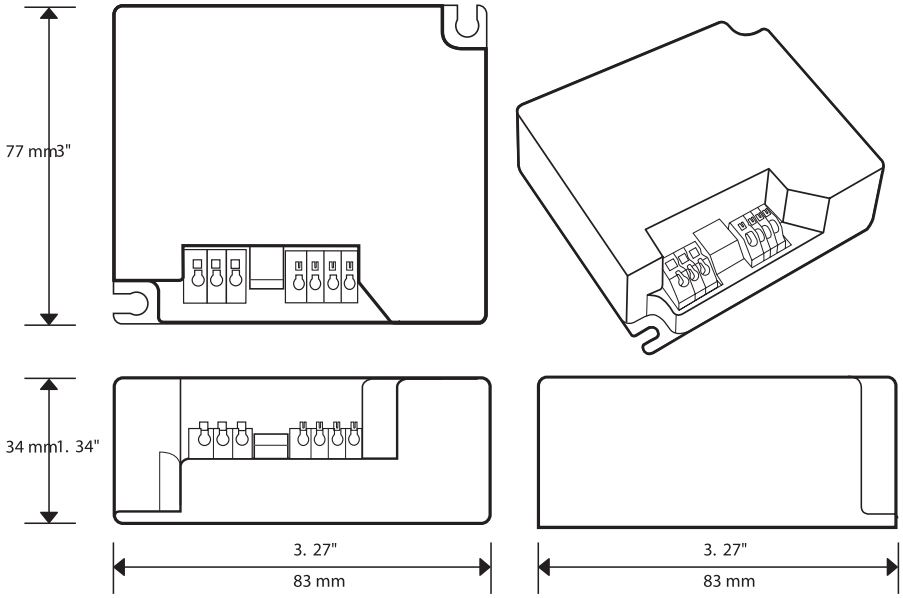
Weight - 0.14 lbs

ORDERING INFORMATION

MODEL

EVPS12	12W 12VDC UL Class B Power Supply





Project:_____
Type:_____
Voltage:_____
Notes:_____

DESCRIPTION

LED Electronic Driver

- Square housing, Compact size
- Reliability
- UL, CSA, FCC Meets approbation requirements
- DC constant voltage output
- Power efficiency

SPECIFICATION FEATURES

Features

- UL Class 2
- Damp location rated
- Small, compact size
- Inherent short circuit protection
- Extreme low temperature performance (-40C)
- Tightly regulated output (1% line, 5% load)
- High power factor
- 5 year warranty
- "Powered by Advance"

Benefits

- Limited output voltage and current plus isolation for safe operation
- Suitable for use in self-contained signs and raceways
- Facilitates use in self-contained signs for the simplest and most economical final installation
- Added safety without any troublesome fuses
- Allows use in any outdoor application
- Consistent light output regardless of line and load levels
- Minimizes amperage draw to reduce the number of power feeds required
- Peace of mind for your sign from the industries most trusted component maker
- Advance is preferred by end-users - Enhance the value of your product

Input

- AC input - WAGO 2-pin wire trap, 18 AWG solid or tinned standardwire, Line (Black), Neutral (White)
- Volts (60 Hz) - 120+/- 10%
- Power max (W) - 21.5
- Current Max (A) - 0.20

Output

- 12VDC output - WAGO 4-pin wire trap, 20AWG solid or tinne standard wire, Positive (Red), Negative (Blue)
- Power Min (W) - 2.3
- Power max (W) - 25.5
- Current Max (A) - 2.1

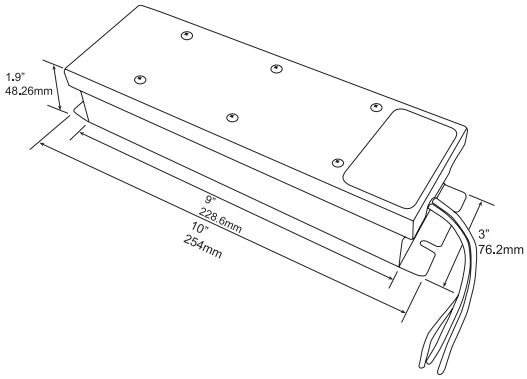
Max Allowable Case temp. - 85˚C

Weight - 0.32 lbs

ORDERING INFORMATION

MODEL

EVPS25	25W 12VDC UL Class B Power Supply



Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

LED Electronic Driver

The SLD series power supplies are designed to provide complete outdoor/indoor installation ready DC power for all your LED lighting applications. One of the most important benefits of LED lighting technology is its energy efficiency. However, in order for an LED lighting system to provide the greatest efficiency and reliability, the power source, the lifeblood of the LED, must also be energy efficient. SLD power supply series is designed with the latest in switched-mode technology, which increase the LED lighting systems energy efficiency and reliability.

SPECIFICATION FEATURES

Features

- Electronical Features
- Highly efficient switched-mode technology
- Universal AC input, 120/240VAC operation
- Automatic Constant-voltage/ Consdtant current opration (CV/CC)
- User adjustable voltage and current
- Very low LED peak/ noise current - 1 % Max

- Mechanical Features
- NEMA 3 design for indoor or outdoor installations
- Terminal Screw or Conduit entry versions
- Light and compact package

- Reliability/ Warranty/ Compliance
- MTBF 55,000 hours
- 1 year warranty
- Wide operating temperature range - -20 to 70˚C
- Meets all agency requirements - Class 2 UL/CUL, FCC

Benefits
- Highly energy efficient - complements LED efficiency
- 120/ 240 VAC operation reduces invetory and cost
- CV/CC operation reduces inventory and cost
- Allows easy adjustment of LED brightness
- Low LED noise current reduces LED stress
- Immediate savings on installation and hardware costs
- Does not require additional J-box/ enclosure
- Easy and quick installation and/ or removal
- Provide low cost and simple expansion to higher power levels for large LED lighting systems
- Light and compact package installs anywhere
- Long life complements LED life expectancy
- Dependable operation in extreme environments
- Important to overall LED lighting system agency compliance

Input

Voltage Range - 90-264 VAC
Frequency Range - 47-63 Hz
Max Input Current - 1.6A@115VAC input
Max Inrush Current - 30A@230VAC input, 25˚C, cold start-up

Output

Max Power - 60W
Efficiency - 83% Typical @ full load, 230 VAC input
Line Regulation - +/- 1% Max
Load Regulation - +/- 3% Max
Over-Voltage Protection - 120% Max
Over Load Protection - Constant Current Limiting

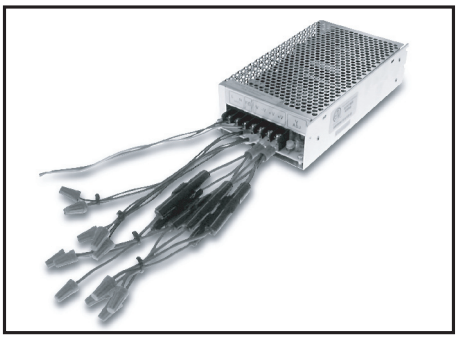
Operating temp. - -20˚C to 60˚C (Full Load), 70˚C (50% Load)

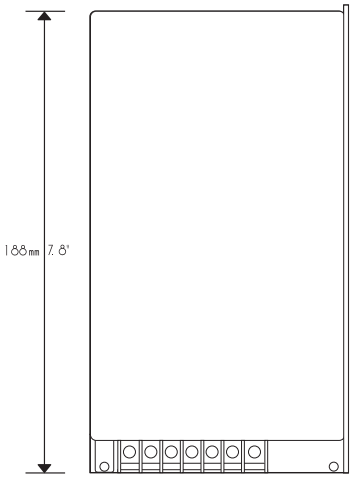
Weight - FC - 1lb 6.7oz
FT - 1lb

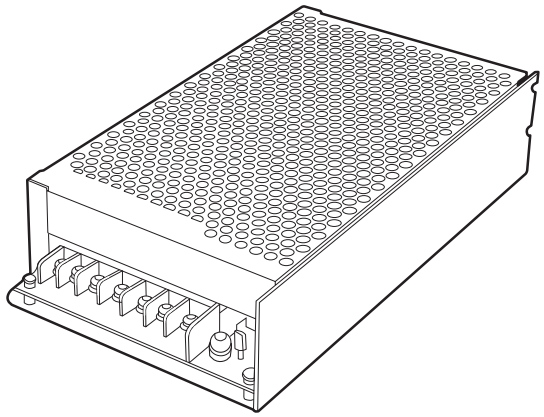
ORDERING INFORMATION

MODEL

02.112V 60W 12VDC UL Class B Power Supply
02.024V 60W 24VDC UL Class B Power Supply





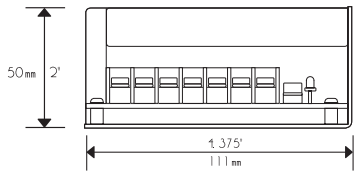


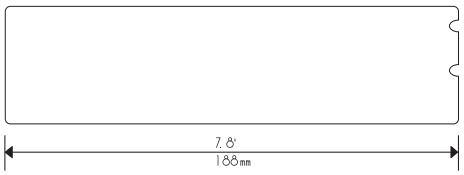
Project: _____

Type: _____

Voltage: _____

Notes: _____





DESCRIPTION

150W single output switching power supply

- Low cost, high reliability
- High Efficiency, low working temp
- Built -in EMI filter, low ripple noise
- Compact Size, light weight
- Power efficiency
- Shirt circuit/ overload/ over voltage protection
- Universsal AC input / full range
- Approvals: ETL/TUV/CB/CE/ETL/UL
- 1 year warranty

SPECIFICATION FEATURES

• Input voltage	100~120VAC 3.2A/ 220~240 VAC 1.6A
• Input frequency	47~63 Hz
• Inrush Current	cold start, 35A/ 115V & 230V
• Output voltage	12VDC or 24VDC
• Overload protection	105%~ 150% output shutdown
• Setup, rise, hold up time	100ms, 50ms, 20ms
• Withstand voltage	I/P-O/P:3KV, I/P-F/G: 1.5KV, 1min
• Working Temperature	-10˚C~60˚C
• Safety standard	UL 1012, TUV EN60950, UL1950
• EMC standard	EN55022 class B, EN61000-4-2,3,4,5 EN60555-2,3
• Connection	7P/ 9.5mm pitch terminal block
• Weight/ packing	0.8kgs/pcd; 23pcs/ 17kgs/ 1CUFT
• Dimension	188x110x50mm / 7.9x4.4x2"

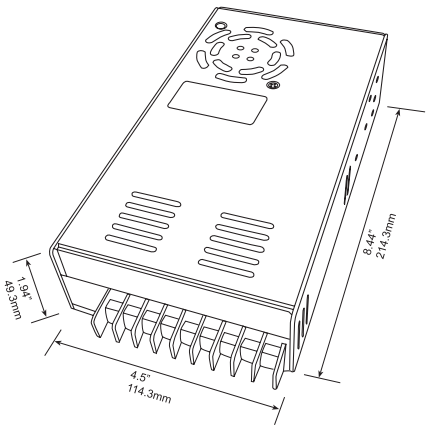
The EVPS150's Performance wit the FlexLED mono-chromatic 12"

- number of output terminal on Power Supply: 2
- Total number of Feet per run:
  16' (1.5 w/Ft Red, clear Red,Amber,Orange)
  16' (2.8W/Ft Green, Blue, White)
- Max Number of feet: 100' (1.5 w/Ft Red, clear Red,Amber,Orange)
  54' (2.8W/Ft Green, Blue, White)
- Max. number of 16' sections:
  6.25 (Red, clear Red, Amber, Orange)
  3 (Green, Blue, White)
- Numbr of wire hookups:
  7 (Red, Clear Red, Amber, Orange)
  4 (Green, Blue, White)
  *(note: only 16ft section per wire)
- max. Distance of power cable connected from the power supply to a new run of FlexLEDs: 30'/ 9.14m

ORDERING INFORMATION

MODEL

EVPS150-12	150W 12VDC LED POWER SUPPLY
EVPS150-24	150W 24VDC LED POWER SUPPLY



Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

LED Electronic Driver
- Low Cost, High Reliability

SPECIFICATION FEATURES

Features
- UL Class 2
- Damp location rated
- Small, compact size
- Inherent short circuit protection
- Extreme low temperature performance (-40C)
- Tightly regulated output (1% line, 5% load)
- High power factor
- 1 year warranty
- "Powered by Advance"

Benefits
- Limited output voltage and current plus isolation for safe operation
- Suitable for use in self-contained signs and raceways
- Facilitates use in self-contained signs for the simplest and most economical final installation
- Added safety without any troublesome fuses
- Allows use in any outdoor application
- Consistent light output regardless of line and load levels
- Minimizes amperage draw to reduce the number of power feeds required
- Peace of mind for your sign from the industries most trusted component maker
- Advance is preferred by end-users - Enhance the value of your product

Input

AC input - 9 inch 18AWG leads, Line (Black), Neutral (White)
Input Voltage - 88~264VAC 47~63Hz; 124~370 VDC
AC current - 4A/115V 2A/230V
Current Max (A) - 0.70

Output

DC output - 12VDC, 24VDC
Output Current - 0~24A
Power max (W) - 288
Current Max (A) - 4.0

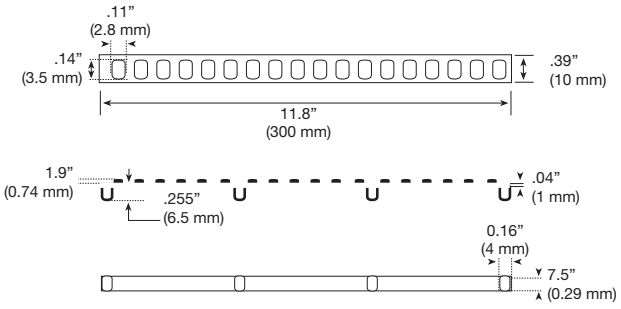
Max Allowable Case temp. - 90˚C

Weight - 1.5 lbs

ORDERING INFORMATION

MODEL

EVPS300-12	300W, 12VDC Power Supply
EVPS300-24	300W, 24VDC Power Supply



Project: _____

Type: _____

Voltage: _____

Notes:

LED FLEX-COVE STRIP

DESCRIPTION

FLEX-COVE (aka Tape Light) like Flex-Led is a low voltage, dimmable, monochromatic, LED strip with an adhesive back. Its' flat flexible design allows it to be installed in tight areas. The self adhesive back makes for exceptionally easy installation. The Tape Light is well suited for architectural cove lighting, under cabinet lighting and small spaces where an energy efficient light source is required. Tape Light produces very little heat and has a lamp life expectancy of up to 100,000 hours (11 years) for amber and up to 60,000 hours for white.

SPECIFICATION FEATURES

Features:
- Self adhesive back
- 4 jumper sockets per strip for easy connection to other Tape Light strips
- The Tape Light strips can easily be cut every 4" (102 mm)
- Bend radius: 1-1/2" (38 mm)

The Flex-Cove system:
1. The Tape Light strip - available in 1 foot segments and 2 colors,white or amber
2. 12V power supplies - available in a full range of wattage
3. Power/jumper cables to connect the strips together without solder!

Energy Efficient:
One 12" (305 mm) red segment uses 1.5 watts per foot for amber
2.8 watts per foot for white
Maximum distance for power cable to Tape Light strip is 30 feet (10 m).

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

ORDERING INFORMATION

FLEX-COVE STRIP

10.0014	White LED Flex-Cove	1 foot strip
10.0015	Amber LED Flex-Cove	1 foot strip

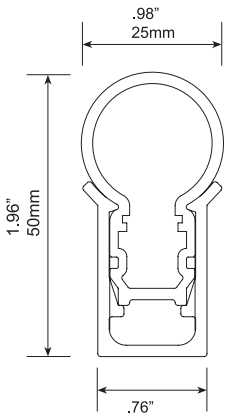
POWER SUPPLY

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

POWER CABLE

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

BORDER LIGHT

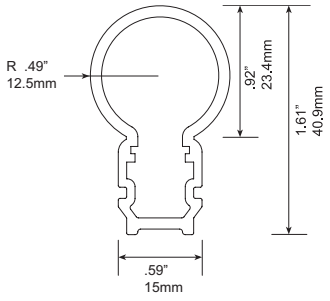


Project: _____

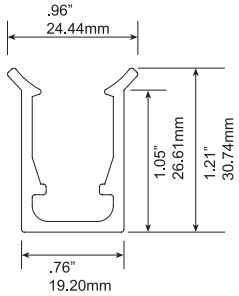
Type: _____

Voltage: _____

Notes:



BORDER LIGHT TUBE



BORDER LIGHT TRACK

DESCRIPTION

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

SPECIFICATION FEATURES

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

Maximum distance for power cable to Flex-Led strip is 30 feet (10 m).
Power supplies are available in ranges from 60 to 300 watts.

UL file No. E220835

Construction:
Tube : Acrylic DR™ - UV resistant, extremely durable
Track : Acrylic DR™ - UV resistant, extremely durable

ORDERING INFORMATION

ASSEMBLY

SVBL4-RED	Red	4Ft
SVBL8-RED	Red	8Ft
SVBL4-BLUE	Blue	4Ft.
SVBL8-BLUE	Blue	8Ft.
SVBL4-GREEN	Green	4Ft.
SVBL8-GREEN	Green	8Ft.
SVBL4-WHITE	White	4Ft.
SVBL8-WHITE	White	8Ft.
SVBL4-ORANGE	Orange	4Ft.
SVBL8-ORANGE	Orange	8Ft.
SVBL4-AMBER	Amber	4Ft.
SVBL8-AMBER	Amber	8Ft

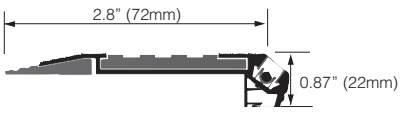
POWER SUPPLY

EVPS25- UL	12VDC, 25 Watt power supply, UL Listed
EVPS60-12UL	12VDC,UL 60 W Class 2 UL LED power supply
EVPS60	12VDC, 60 Watt power supply, ETL Listed
EVPS150	12VDC, 150 Watt power supply, ETL Listed
EVPS300	12VDC, 300 Watt power supply, ETL Listed

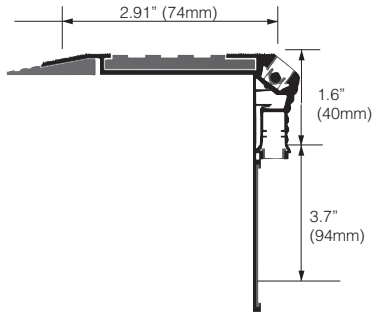
JUMPER CABLES

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

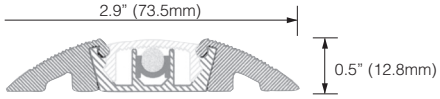
FL102



FL201



FL301



SPECIFICATION FEATURES: FL102

USES: **Step with illuminated nosing**
COLOR: **Black / Silver**
LIGHT: **LED & Monofiber**

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

SPECIFICATION FEATURES: FL201

USES: **Step with illuminated nosing & LED downlight**
COLOR: **Black / Silver**
LIGHT: **LED & Monofiber**

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

SPECIFICATION FEATURES: FL301

USES: **Corridors, wall to wall carpet, carpet to carpet**
COLOR: **Black / Silver**
LIGHT: **LED & Monofiber**

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

ORDERING INFORMATION

LED STEP LIGHT

FL102 Step with illuminated nosing

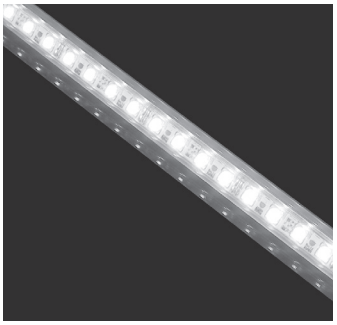
FL201 Step with illuminated nosing & LED downlight

FL301 Corridors, wall to wall carpet, carpet to carpet

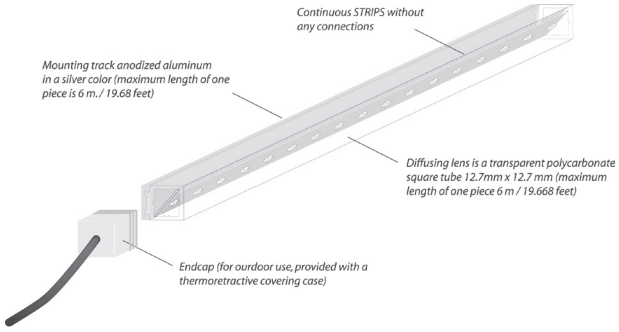
POWER

12V - 12VDC

24V - 24VDC



EVLFL LED FLOOD STRIP

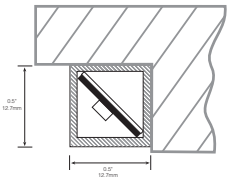


Project: _____

Type: _____

Voltage: _____

Notes:



STRP in 45º angle reference.....

STRP in 90º angle reference.....

Application Diagram

DESCRIPTION

the EVLFL Flood strip light with one line of high brightness LEDs is designed for indirect or direct lighting, both for indoor and outdoor applications.

Construction

- Clear Polycarbonate Tube:
  12.7 x 12.7mm for housing strips of 45˚ to 90˚
- View Angle 120˚
- Printer Circut Board
  - Length 45cm = 17.71"
  - No. of LED's Per 45cm: 30
  - Spacing 15mm = .59"
- Boards
  - 12.7mm if 45˚ is used
  - 10mm if 90˚ is used
  - LED's .08 watts ea.
- Track
  - Aluminium Anodized - Silver Color
- End Cap
  - One for end of bar & 10/16"
  - To make "Wet"– silicone will be applied on both ends
  - One end will have low voltage wire, black & white, 22 gauge
- Voltage: 24 VDC for white / green / blue
  12 VDC for red /amber

* Voltage can be in either or in all colors

SPECIFICATION FEATURES

Features:

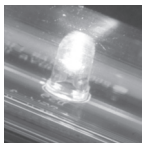
- Low voltage, flexible, monochromatic, LED strip is designed specifically for illuminating the LED flood light strip and has an excellent tolerance for vibrations and shocks, quite different from neon and other forms of fluorescent lighting.
- Has an extremely low energy consumption and works with low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

ORDERING INFORMATION

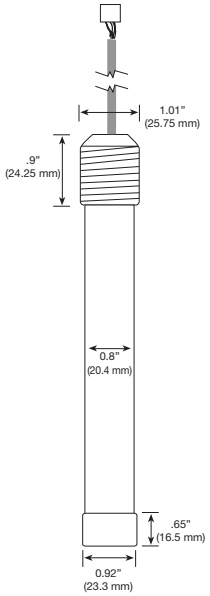
EVLFL FLOOD STRIP		POWER	
EVLFL-W	White LED FLOOD STRIP	**12V**	12 VDC for white/ green/ blue
EVLFL-R	Red LED FLOOD STRIP	**24V**	24 VDC for red/ amber
EVLFL-G	Green LED FLOOD STRIP		
EVLFL-B	Blue LED FLOOD STRIP		
EVLFL-A	Amber LED FLOOD STRIP		

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/ 17.71"

LED LIGHT BAR



ML SERIES



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

Snap on clip for easy mounting

Color options include:

- 3500K white (standard)

Tubular housing

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

Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

SuperVision's high brightness single row mono-chromatic LED light strips are perfect for decorative lighting applications where colorful, bright light is required. LED's inherently are long lasting and provide a life expectancy of approximately 100,000 hours or more according to their manufacturers. This technology helps to assure low maintenance costs and no unsightly failed bulbs. LED's exhibit ruggedness with excellent tolerance for vibration and shock prone applications, unlike incandescent. Your application will benefit from the tremendous energy savings and bright colors generated by our our LED strip lights!

All SuperVision Series strip lights are safer and more energy efficient than neon, fluorescent or incandescent lighting. When used as a replacement for conventional lighting, typical savings can be 10 to 25 times less energy usage.

SPECIFICATION FEATURES

3.5 INCH LIGHT STRIP	
Input Voltage	24 VAC
Input Current	40 mA
Power	1 Watt
LED's	10 per strip
LED Spacing	(.350 Inch)
LED Type	43 ± 3° GaN White LED's
LED Color Rendering Index	70 - 85
Color Temperature	3500K
ICI Chromaticity	X=.392 Y=.396
Luminous Flux	20 Lumen
Strip Length	3.5 Inches
Strip Width	(.65 inch)
Power Connect Terminal	(.187" x .032" Quick Connect)
Maximum Numbers of Strips per Power Run	172
Maximum Current	7 Ampere
Recommmended connection Wire	16 AWG
Environmental	-40° to +40° C.
0-95 Humidity Non Condensing*	

ML-SERIES 14 INCH LIGHT STRIP	
Input Voltage	24 VAC
Input Current	160 mA
Power	3.85 Watt
LED's	40 per strip
LED Spacing	(.350 Inch)
LED Type	43 ± 3° GaN White LED's
LED Color Rendering Index	70 - 85
Color Temperature	3500K
ICI Chromaticity	X=.392 Y=.396
Luminous Flux	20 Lumen
Strip Length	3.5 Inches
Strip Width	(.65 inch)
Power Connect Terminal	(.187" x .032" Quick Connect)
Maximum Numbers of Strips per Power Run	43
Maximum Current	7 Ampere
Recommmended connection Wire	16 AWG
Environmental	-40° to +40° C.
0-95 Humidity Non Condensing*	

ACCESSORIES

Polycarbonate Tubing
(.81" OD Clear Virgin PC)

Closed Endcap, Water Tight
Clear Vigin PC

Open Endcap, Indoor
Clear Virgin PC

Water Tight Endcap set
3 Pcs and Kraton Ferrule

Coupler
Clear Virgin Polycarbonate

Nova II HD mouning clip
Clear Virgin PC

Silicone Adhesive
GE TSE399

100 Watt 24VAC Power Supply
120 VAC Primary

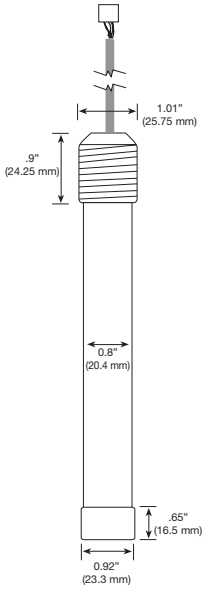
ORDERING INFORMATION

ML LIGHT BAR

EV0030 White LED 3.5" WET Assembly
EV0031 White LED 14" WET Assembly

LED LIGHT BAR

RGB CL SERIES



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

Snap on clip for easy mounting

Color options include:

- green
- amber
- red
- 5000K white (standard)
- green
- amber
- red
- 5000K white (standard)

Tubular housing

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

Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

Brightness color changing strip light is a stand alone 12VDC module with a fully integrated controller. On board are adjustable potentiometers that control the modulation of each color for faster or slower changing cycles, this crating many random color effects.
LED's are inherently rugged and lost lasting with a life expectancy of approximately 50,000 to 100,000 hours according to their manufacturers. LED's exhibit excellent tolerance for vibration and shock, unlike incandescent lighting.
CL Series light bars are safer and more energy efficient than neon, fluorescent or incandescent lighting. Typical savings can be 10 to 25 times less energy usage over incandescent lighting.

SPECIFICATION FEATURES

CLSeries 3106 RGB Color Changing 6" LED Strip

Input Voltage	12VDC
Input Current Max.	200mA per strip
Power	< 2.5 Watt
Max. Strips per Run	16
Number of LED's	18
Modulation Type	Analog Steady Rising,Falling Ramp
Cycle Time	Rise-Fall .25-5 seconds, adjustable
Colors	True analog RGB array produces infinite color patterns
Driver Type	Power MOSFET
Connector Power Rating	2A
LED Type TI 3/4 (5mm)	AlInGap (Red) InGaN (Blue,Green)
PCB Material	UL 94-VO FR4 G10 fiberglass

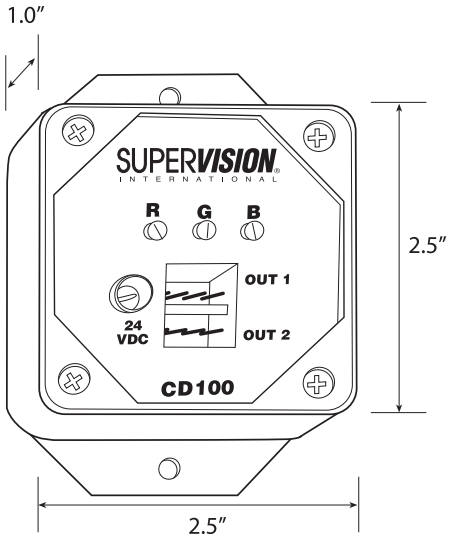
LED Spacing per RGB triad	1.0"
PCB Length	6"
PCB Width	0.650"
PCBThickness	0.062"
Recommended Controllers	EnVision series 400,400D
Product Life	> 100,000 hours
Optical Data	Depends on LED selection
Environmental Specs	(-20) to 50* C, 0-100% Humidity
STANDARDS	CL Listed

ORDERING INFORMATION

CL LIGHT BAR

EV0014 RGB LED 4" Dry Assembly
EV0015 RGB LED 4" Dry Assembly
EV0016 RGB LED 4" Dry Assembly
EV0017 RGB LED 4" Dry Assembly

CD100 Analog Color Changing Controller



Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

Super Vision®'s CD100 is designed to provide power and control signals to CL Series (red, green, blue) color changing LED light bar. Using the CD100 technology, this controller generates smooth transitions through millions of random colors. Up to two channels and a total of 16 feet of color changing strip light can be connected to each CD100. Control potentiometers adjust the modulation speed of each of the three (RGB) color generators. This can create a broad range of effects from slow soothing colors to fast and lively tempos. Restaurants, clubs, casinos and signs are a few of many applications that can benefit from this system. The CD100 is priced to fit many applications that previously could only be accomplished with systems costing much more.

SPECIFICATION FEATURES

Input Voltage: 24 VDC

Input Current Max.:2.5 A

Input Power: 60 Watts Max

Input Power Jack: 2.1mm Center Positive

Rec. Power Supllies: eStar-PS24VDC-24W or eStar-PS24VDC-60W

Power Supply Input Rating: 90-264VAC/.7A or 90-264VAC/1.6A

Power Supply Compliance Approvals:

UL 1959, CSA 22.2, TUV EN60950, EMC - EN55022, IEC 801-2,3,4

Max. # ofFeet, Nova Seires RGB Strips:

7 ft. with 24W Supply, 16 ft. with 60W Supply

Modulation Time: Analog Steady Rising, Falling Ramp

Cycle Time: Rise-Fall .25-5 Seconds, Adjustable

Colors: True Analog RGB Driver Array Produces Infinite Color Patterns

Number of Output Connectors: 2

Connector Power Rating Each: 2.5 A

Rec. Cable: ES-CAB-100002-XX

Enclosure Material: 94-V0 ABS Plastic

Dimensions: 2.5" x 2.5" x 1.0"

Mounting: Enclosure Has Mounting Flange

Environmental:

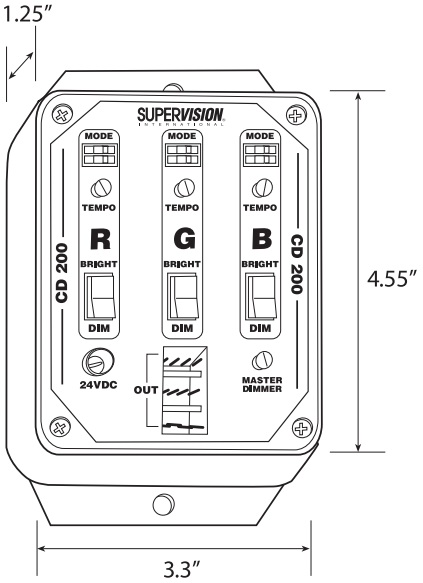
0 to 35 Degree Celcius Operating Temperature, 0-90% Humidity Non-Condensing

ORDERING INFORMATION

ANALOG CONTROLLER

CD100 RGB Controller

CD200 Digital Color Changing Controller



Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

Super Vision®'s Digital CD200 is designed to provide power and control signals to CL Sries (red, green, blue) color changing LED light bar. Using the CD200 technology, this controller generates smooth transitions through millions of random colors. Up to three channels and a total of 16 feet of color changing strip light can be connected to each CD200.

The CD200 Digital is low-cost can feature-rich, providing adjustable controls that allow the user to create a broad range of effects. There are three control sections labeled “R”, “G” and “B”, providing individual control to each of the Red, Green and Blue color changing generators used for color blending. Small installations including display lighting, signs, products advertisement, mood lighting and architectural lighting are but a few applications that can benefit from this easy to use system. The CD200 includes features that allows user creativity at an affordable price heretofore not available.

SPECIFICATION FEATURES

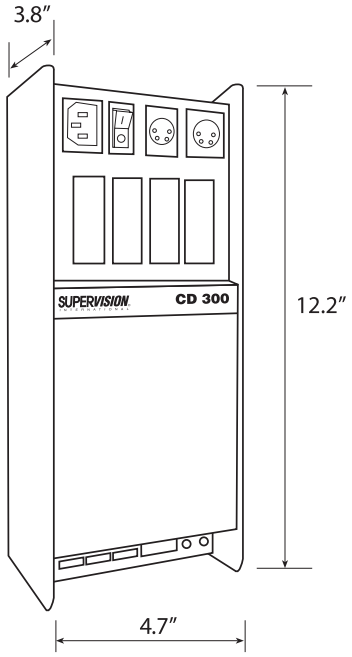
Input-Voltage	24VDC
Input Current Max.	2.5 A
Input Power	60 watts max
Input Power Jack	2.1mm Center Positive
Recommended Power Supply	
Power Supply Input Rating	Worldwide plug capability-automatically adjusted, 90-264VAC/.7A, 90-264VAC/1.6A
Power Supply Compliance Approvals	
Max # Feet Connected	7 w/ 24W supply, 16 w/ 60W supply
Modulation Type	D/A steady rising, falling linear ramp
Cycle Time	Rise-fall, TBD secs, adjustable
Colors	Digital RGB driver array produces 2,097,152 color patterns
No. of Output Connectors	3
Connector Power Rating	2.5A
Recommended Cable	
Enclosure Material	94-V0 ABS plastic
Size	4.55” x 3.3”x 1.25”
Mounting	Mounting flange
Environmental Specs	0 to 35°C, 0-90% Humidity

ORDERING INFORMATION

DIGITAL CONTROLLER

CD200 LED RGB Controller

CD300 12-Channel DMX Interface Controller



Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

Super Vision®'s Lighting's CD300 is designed to provide DMX interface between a host lighting console, playback device or computer, and Super Vision®'s RGB LED color changing technology, including the CD100 and CD200 controllers. The resulting lighting system will help to create complex and exciting light shows with a fully compliant DMX system providing professional versatility and flexibility. Twelve DMX channels provide
independent control of four zones of CL Series LED strip lighting thus allowing up to four dfferent shows to run simultaneously. This CD300 is perfect for medium to large system installations in clubs, lobbies, stage shows, malls, theme parks, and other interior or exterior venues.
Up to 85 feet of Super Vision®'s CL series fixed color or color changing strip lighting can be controlled by each 12 channel 3000 unit and can be easily "daisy chained" with other CD300 to power and control additional CL Seies light bar. Integration into a DMX lighting network is made simple by using standard XLR connectors for the DMX connection and Super Vision®'s cabling to the CL series strip lights. The CD300 includes an internal 300W "power factor corrected" power supply. The model 330W has been engineered for quality and reliability, hallmarks of Super Vision®'s Lighting products.

SPECIFICATION FEATURES

Input Voltage	Worldwide plug-in capability. Automatically adjusts to 88-264VAC,47-63Hz
Input Current Max.	4A/115V, 2A/230V
Inrush Current	15A/115V, 30A/230V
EMC Standards	EN55022, IEC1000-4-2-6,8, 11 IEC1000-3-2
Power Supply EN60950	UL 1012, Compliance Approvals TUV
Max. # of Feet, Envision Series RGB Strips Connected	85
Max. # of Feet, Envision Series RGB Strip Connected per Output Connector	12
Protocol	DMX 512 / 1990 Standard Compliant
Address Selection	Rotary Switch, Decimal Base Address
SQ (Status Quo), Dip Switch (1) Setting	(On) = Freezes Output Levels if Loss Of Signal, (Off) = Sets to Zero
Test, Dip Switch (2) Setting	(On) DMX Output Matching Address# is = Full Brightness, (Off) = Normal Operation
Termination, Dip Switch (4) Setting	(On) = Line terminated at 100 Ohm, (Off) = No Termination
Modulation Type, Output Control Voltage	Analog 1.2V - 5V, Internally Set DMX Controlled
"RUN" LED	On = Running, Off = No Power, Flashing = Hardware Failure
"RXD" LED	On Data Being Received, Off =No Data or Address out of Range
Number of Output Connectors	3 each Channel, 12 Total
Connector Power Rating, 2.0A each	Internal Solid State Resetable Fuses
Recommended Cable	
DMX Input	5 Pin XLR, Male Connector
DMX Output, Pass Through	5 Pin XLR, Female Connector
Enclosure Material	Aluminum, Powder Coat Paint
Size	12.2"x 4.7" x 3.8"
Weight	4lbs.
Mounting	Flange, 4 Holes 2.5"x 11.7"
Environmental Specs	0 to 40* C, 0-95% Humidity

ORDERING INFORMATION

12-CHANNEL DMX CONTROLLER

CD300 LED DMX Controller

A-LAMP

LED LAMP CLEAR WITH DIMPLE COVER

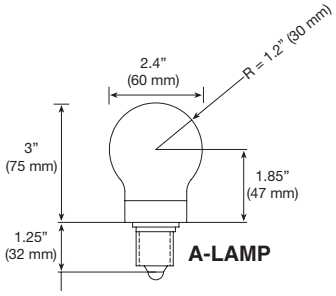
Project: _____

Type: _____

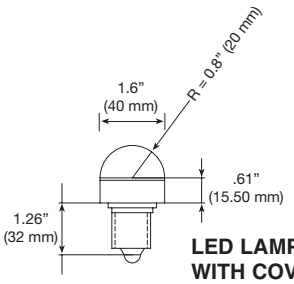
Voltage: _____

Notes:

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



A-LAMP



LED LAMP WITH COVER

DESCRIPTION

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

ORDERING INFORMATION

RED

EV0301	120V RED LED A-19 LAMP
EV0301-220	220V RED LED A-19 LAMP
EV0301C	120V RED LED LAMP; CLEAR COVER
EV0301C-220	220V RED LED LAMP; CLEAR COVER
EV0301D	120V RED LED LAMP; DIMPLE COVER
EV0301D-220	220V RED LED LAMP; DIMPLE COVER

GREEN

EV0304	120V GREEN LED A-19 LAMP
EV0304-220	220V GREEN LED A-19 LAMP
EV0304C	120V GREEN LED LAMP; CLEAR COVER
EV0304C-220	220V GREEN LED LAMP; CLEAR COVER
EV0304D	120V GREEN LED LAMP; DIMPLE COVER
EV0304D-220	220V GREEN LED LAMP; DIMPLE COVER

ORANGE

EV0306	120V ORANGE LED A-19 LAMP
EV0306-220	220V ORANGE LED A-19 LAMP
EV0306C	120V ORANGE LED LAMP; CLEAR COVER
EV0306C-220	220V ORANGE LED LAMP; CLEAR COVER
EV0306D	120V ORANGE LED LAMP; DIMPLE COVER
EV0306D-220	220V ORANGE LED LAMP; DIMPLE COVER

AMBER

EV0302	120V AMBER LED A-19 LAMP
EV0302-220	220V AMBER LED A-19 LAMP
EV0302C	120V AMBER LED LAMP; CLEAR COVER
EV0302C-220	220V AMBER LED LAMP; CLEAR COVER
EV0302D	120V AMBER LED LAMP; DIMPLE COVER
EV0302D-220	220V AMBER LED LAMP; DIMPLE COVER

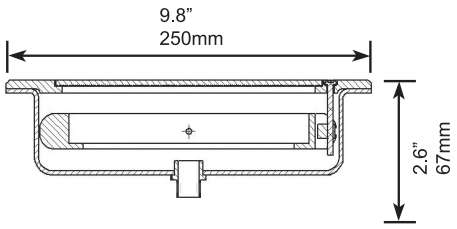
WHITE

EV0305	120V WHITE LED A-19 LAMP
EV0305-220	220V WHITE LED A-19 LAMP
EV0305C	120V WHITE LED LAMP; CLEAR COVER
EV0305C-220	220V WHITE LED LAMP; CLEAR COVER
EV0305D	120V WHITE LED LAMP; DIMPLE COVER
EV0305D-220	220V WHITE LED LAMP; DIMPLE COVER

BLUE

EV0303	120V BLUE LED A-19 LAMP
EV0303-220	220V BLUE LED A-19 LAMP
EV0303C	120V BLUE LED LAMP; CLEAR COVER
EV0303C-220	220V BLUE LED LAMP; CLEAR COVER
EV0303D	120V BLUE LED LAMP; DIMPLE COVER
EV0303D-220	220V BLUE LED LAMP; DIMPLE COVER

LED FLOOD LIGHT FIXTURE



Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

The LED Flood Light is a surface flush mounted light fixture utilized in sidewalks and other areas where a lighted flat surface is desired.

SPECIFICATION FEATURES

Model Number: EV213WS & EV213WS-CLR

Dimensions: 9.8" (250mm) x 2.6" (67mm) (without gland/cable connector)

Fixture Diameter: 10.23" (260mm) / designed for 9.8" (250mm) hole

Depth: 2.28" (58mm) plus Kopex connector.

Glass: 96 units with clear Flat tempered glass and 524 units with lenticular tempered glass lens (ribbed)

Power supplies: DMX enclosure or interface supplied shall be 220/240 VAC.

DMX 512 controlled, DMX controll card integrated in the power supply

DMX enclosure.

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

Standards:

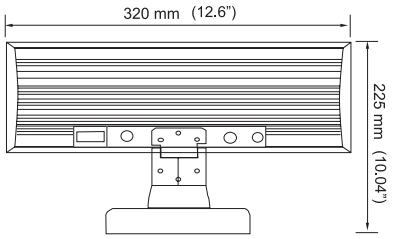
- UL

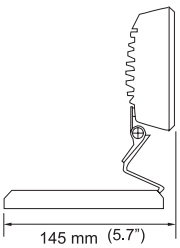
IP Rating: 56

ORDERING INFORMATION

LED FLOOD LIGHT

EV213WS	Indoor Outdoor LED Flush mount flood Light (ribbed glass lens) includes DMX control
EV213WS-CLR	Indoor Outdoor LED Flush mount flood Light (clear glass lens) includes DMX control





Project: _____
Type: _____
Voltage: _____
Notes:

DESCRIPTION

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.

SPECIFICATION FEATURES

Color Range:
Different brightness of red, green and blue combined to produce over 16 million colors.
Light Source:
High brightness LED (consists of 360 LEDs)
Beam Angle: 45°
Light Spacing:
20m (65')

Control System:
DMX512
Housing Material:
Cast aluminum alloy
Connector:
Standard 3pin XLR connector
Operating Temperature: -20°C to 40°C (-4F to 104°F)
Weight: 9 lbs (4.1 kg)

Dimension: L320mm x W145mm x H225 (L12.6" x W5.7" x H10.04")
Regular Working Voltage: AC90-264V
Regular Current: MAX3A
Regular Wattage: 25W
Warranty: 2 years
IP Rating: IP66

PHOTOMETRICS

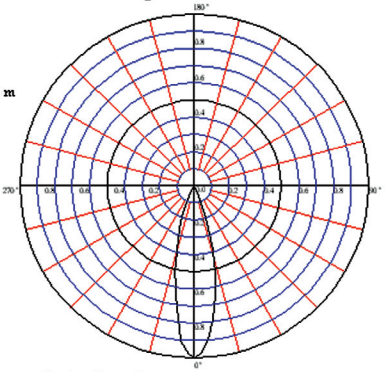
Illuminance distribution

60.1	70.4	83.4	104.0	117.7	124.3	108.6	90.3	74.9	63.7
76.2	97.5	155.1	248.6	314.0	308.4	240.2	153.3	129.1	77.6
101.9	163.6	320.6	593.5	751.4	684.1	473.8	265.4	149.5	94.4
136.4	269.2	629.9	1047.7	1242.0	1157.9	829.9	475.7	220.6	118.7
156.1	370.1	801.9	1255.1	1619.6	1535.5	1114.0	630.8	281.3	141.1
147.7	329.9	746.7	1205.6	1296.0	1528.9	1129.9	680.4	298.1	142.1
128.9	237.4	529.9	923.4	1203.7	1213.1	943.9	542.9	246.7	120.6
103.7	154.2	291.6	530.5	752.3	761.7	567.3	306.5	144.9	92.5
89.7	112.1	152.3	240.2	317.8	315.9	214.9	135.5	93.5	71.0
72.9	86.9	100.9	116.8	129.9	121.5	101.9	81.3	67.3	57.0

0.5 m
0 m
0.5 m
0 m

Units: Lux
Measured on: White
Direction: On axls
Distance from surface: 1M
Multiplier: 0.115 Red 0.378 Green 0.506 Blue

Candle power distribution



Testing circumsftance
installation position: horizontal
testing surface: A-A surface

Electrical parameters
current: 0.253A
voltage: 220V
power consumption: 35W

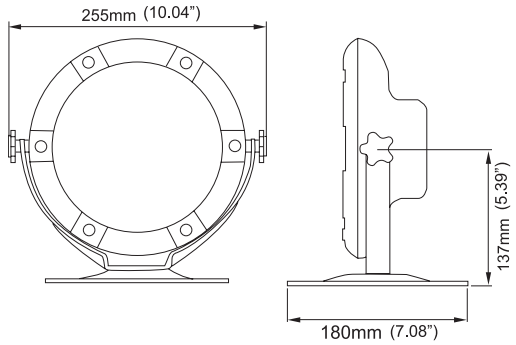
COLOR MODES

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

ORDERING INFORMATION

SaVi-F		
MODEL **SaVi-F** Architectural Full Spectrum RGB LED Fixture	**FIXTURE COLOR** **004** - Black 003 - White	**ACCESSORIES** **DMX Signal Amplifier/ Isolator 02.6120** (Required for DMX signal splitting)

SaVi™ Spot



Project: _____
Type: _____
Voltage: _____
Notes: _____

DESCRIPTION

SaVi™ Spot is a high lumen output water LED lighting fixture. It is the ideal fixture for both indoor and outdoor applications that require full color mixing capabilities such as fountains, pools, landscape, theme parks, exhibitions, commercial and architectural applications. SaVi™ Spot has a protection rating of IP67. Stainless version meets UL 676 and is water submersible. A proprietary triple water proofing technology is used, making water intrusion virtually impossible. Aluminum version for above water line. SaVi™ Spot is available in various beam angles, including 10°, 25° (standard), 45°, 60°, and 90°. The fixture can becontrolled by any DMX controller.

SPECIFICATION FEATURES

Color combination:
16.7 million colors at 24 bit RGB additive color mixing
Light Source:
High Power Light Emitting Diodes (LEDs)
Available Beam Angles:
10°, 25° (standard), 45°, 60°, 90°
Housing:
Cast Aluminum Alloy or Stainless Steel

Protective Rating:
IP67
Control System:
DMX512
Cabling:
Multi-core control/ data cable
Power Consumption:
25 watts at 12 VDC
Submersion Depth: 5 meters (15 feet)
Submersion Depth: 0.05331/mm

Temperature environment:
-20°C to 40°C (-4°F to 104°F)
Dimension:
255mm(W) x 220mm(D) x 245mm (H)
10.04"(W) x 8.66"(D) x 9.64"(H)
Weight: 7 lbs (3.1 kg)
Available Housing Color: Black, White or Stainless Steel (submersible only)
Warranty: 2 years
Voltage Rated: 12 VDC
Power Consumption: 25W

PHOTOMETRICS

COLOR	1 METER	3 METER	5 METER	TOTAL OUTPUT	POWER	EFFICACY
RED	351.1 Lux	39 Lux	13.5 Lux	93.7 Lux	9 Watts	10.4 lm/w
GREEN	614.3 Lux	68.5 Lux	25.2 Lux	163.5 Lux	9 Watts	18.2 lm/w
BLUE	271.0 Lux	29.7 Lux	11.2 Lux	72.3 Lux	9 Watts	8.0 lm/w
WHITE	1137.5 Lux	126.2 Lux	45.9 Lux	303.4 Lux	27 Watts	11.2 lm/w

* COLOR MODES

Fixed Color: Single static color display
Color Wash: Color change
Cross Change: Two color interchanging cycles
Random change: Color changes in random orders

Fixed Color Strobe: A rapid strong flash of light in a single color
Variable Color Strobe: A sequence of color appears in a series of strong flash in variable colors
* All Effects achieved through DMX programing

ORDERING INFORMATION

SaVi-S-001 | | | |

MODEL

SaVi-S-001 - Indoor/ Outdoor/Water Submersible RGB LED Fixture

VOLTAGE

Blank - 120 volt
240 - 240 volt

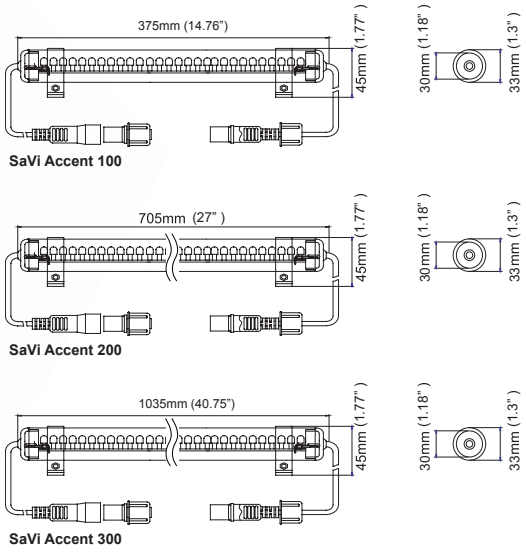
BEAM ANGLE

***10 -** 10º Beam Angle
20 - 25º Beam Angle
***45 -** 45º Beam Angle
***60 -** 60º Beam Angle
***90 -** 90º Beam Angle

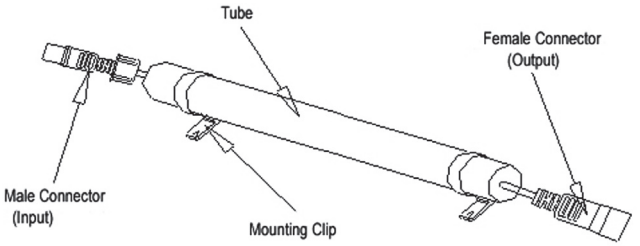
ACCESSORIES

025000 - Power Supply 120V (1 per six SaVi™ Spots)
CE145000 - Junction Box (1 per six SaVi™ Spots)
SaVi™ - SC120 - Smart controller 120 volt
SaVi™ - SC240 - Smart controller 240 volt
(1 per system required)

*8-10 week lead time



Project: _____
Type: _____
Voltage: _____
Notes:



DESCRIPTION

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 acrylic with 45 high power LEDs per foot.

SPECIFICATION FEATURES

Color combination:
3 primary, 3 secondary, white, fades, strobes
Light Source:
45 High Power Light Emitting Diodes/FT (LEDs)
Available Beam Angle:
85ºX40º
Luminance Flux:
21.3 lm
Construction:
Clear Acrylic Tube

Power Consumption:
3.5W per foot
Protective Rating: IP64
Rated Power: 3.5W per foot
Rated Current: 0.29A per foot
Rated Voltage: 24VDC
Dimensions:
45mm(W) x 375 / 705 / 1035mm(L) x 45mm(H)
1.77"(W) x 14.76" / 27"/ 40.75"(L) x 1.77"(H)
Weight: 0.44 lbs (0.2 kg)
Temperature Range: -20°C to 40°C
-4ºF to 104ºF)

Max Connectable Unit No.:
60 units - Accent 100
Control System:
SaVi Accent#: Savi-AC120
Power Supply 02.8000: Order separately
Warranty: 2 years

* 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 200 - 705mm (27") length tube
SaVi™ Accent 300 - 1035mm (40.75") length tube

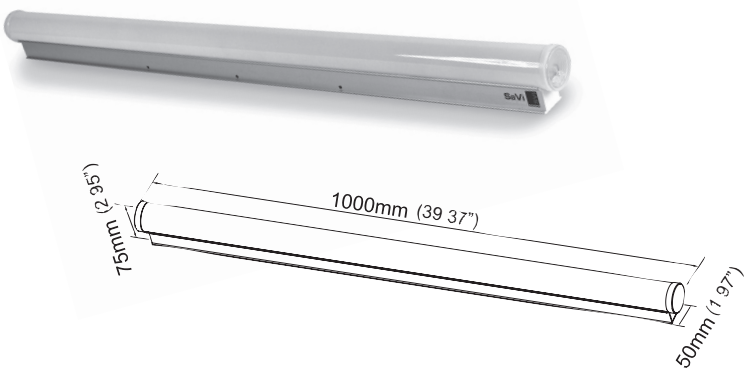
Maximum number of units connected SaVi™ Accent 100 = 60
Maximum number of units connected SaVi™ Accent 200 = 30
Maximum number of units connected SaVi™ Accent 300 = 20

CONTROL SYSTEM

SaVi-AC120 - switchable 120/240 240 controller

ACCESSORIES

Mounting Clips
Power Supply - 02.8000
Extension Cables -
17.4002 - 2' cable
17.4005 - 5' cable
17.4010 - 10' cable
Adapter -
16.6004 - 3 pin male adapter
16.6005 - 3 pin female adapter



Project: _____
Type: _____
Voltage: _____
Notes:

DESCRIPTION

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.

SPECIFICATION FEATURES

Color combination:
3 primary, 3 secondary, white
Light Source:
144 High Power Light Emitting Diodes (LEDs)
Housing:
Polycarbonate tube with aluminum base
Protective Rating:
IP64

Control system (order separately):
Comes with proprietary DMX option
Order# : SaVi-TC-120 - 120 volt
SaVi-TC-240 - 240 volt
Cabling:
Multi-core control/ data cable + power cables
Tube Input:
120VAC or 240VAC

Temperature environment:
-4ºF to 104ºF (-20ºC to 40ºC)
Dimension:
1000mm(W) x 50mm(D) x 75mm(H)
39.37"(W) x 1.97"(D) x 2.95"(H)
Weight: 1.5kg (3.3 lbs)
Warranty: 2 years

COLOR MODES & EFFECTS

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

ORDERING INFORMATION

SaVi-T | | | | |

MODEL

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

POWER

Power
120V
240V
Power Cables
17.1702 **-** 2 ft length
17.1705 **-** 5 ft length
17.1710 **-** 10 ft length

DATA CABLES

CONTROL SYSTEM

28.7304 - SaVi-TC-120
28.7304 - SaVi-TC-240

ACCESSORIES

Signal Amplifier
02.7120V - every 30 tubes
Edison Plug Cord - every 50 feet
DMX 3 pin adapter
16.6006 - Male adapter
16.6007 - Female adapter
Connector
28.7304 - T-power controller
28.7404 - T-signal controller

Project: _____

Type: _____

Voltage: _____

Notes:

DESCRIPTION

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

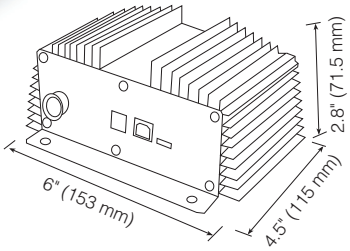
SaVi Key Pad

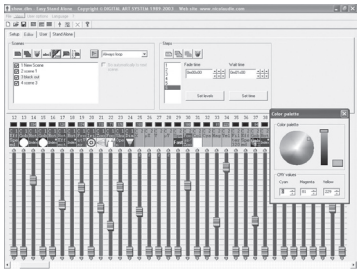
Project: _____

Type: _____

Voltage: _____

Notes:





DESCRIPTION

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

SaVi-512

MODEL

SaVi-512 - Stand Alone DMX Controller
SaVi-512E - Ethernet Port Option

TRANSFORMER

2.0125 - 120V
2.0126 - 230V

ACCESSORIES

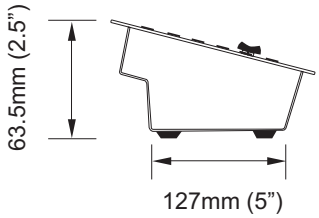
17.6100 - 3 ft USB Cable
17.XXXX - 3 ft Ethernet Cables

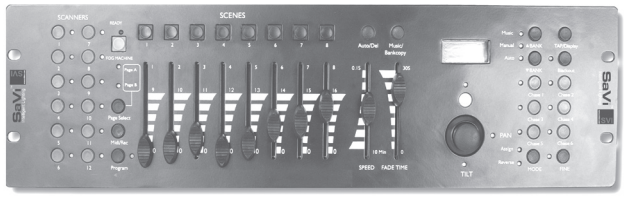
Project: _____

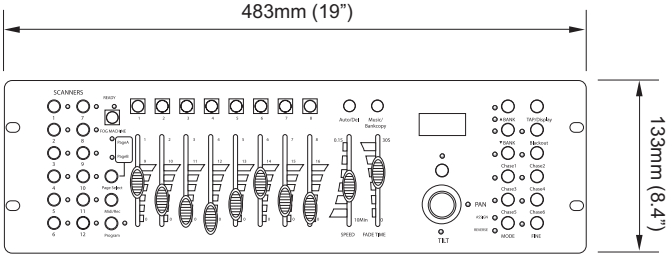
Type: _____

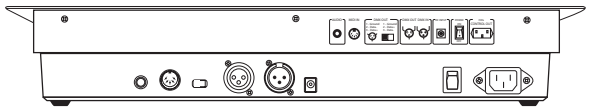
Voltage: _____

Notes:









DESCRIPTION

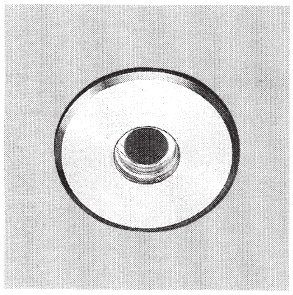
SaVi™ Console is one of the most complete universal DMX controllers available. One feature that sets it apart is its professional, soft touch joystick. Another is a unique override button that gives you complete control of selectable units. Here's how it works: Play back your show and select the fixture(s)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

ORDERING INFORMATION

SaVi Console	
MODEL	**TRANSFORMER**
SaVi Console - Console DMX Controller	120V 240V

Test Fixture Specifications



SVSL-500 Step Light

Fixture Construction

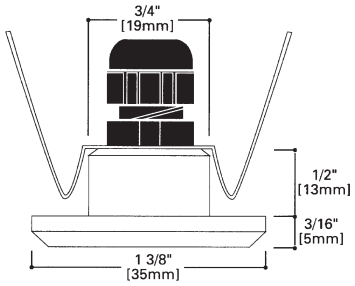
Fixture housing is made of spun metal

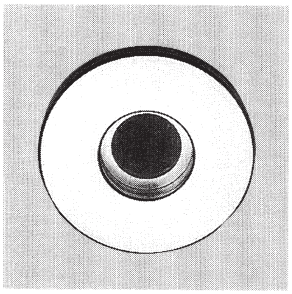
Clear, flat glass lens

Fiber held in place with compression fitting

Cabling

The SL-500 Series can accommodate up to 75 strand endglow cable





SVFD-700 Fixed Downlight

Fixture Construction

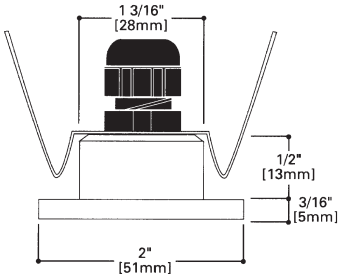
Fixture housing is made of spun metal

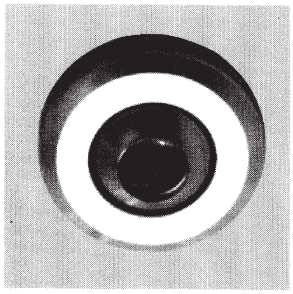
Clear, flat glass lens

Fiber held in place with compression fitting

Cabling

The FD-700 Series can accommodate up to 150 strand endglow cable





SVEB-900 Adjustable Eyeball

Fixture Construction

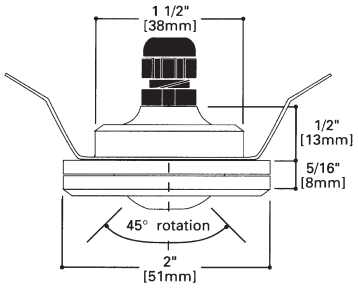
Fixture housing is made of spun metal

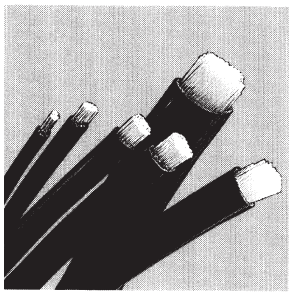
Clear, flat glass lens

Fiber held in place with compression fitting

Cabling

The EB-900 Series can accommodate up to 150 strand endglow cable





Endglow Fiber Optic Cable

Cable Construction

.030" diameter PMMA 75 acrylic optical fibers within a flexible PVC jacket

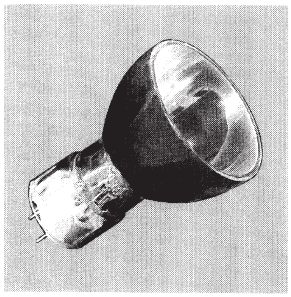
Cable Size

Diameters based on fiber quantity–

SV25EG; 25 fibers: 5/16"

SV50EG; 50 fibers: 3/8"

SV75EG; 75 fibers: 7/16"



Light Source Lamp Assembly

Lamp Construction

150 Watt HQI, single-ended compact metal halide lamp housed within a patented design dichroic reflector

The lamp is positioned within the dichroic glass reflector to ensure optimum light output at the fiber port

Lamp Specifications

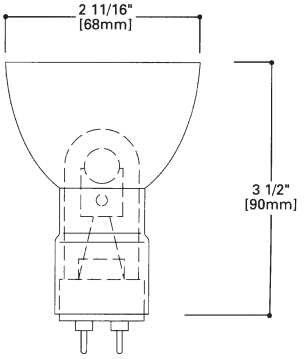
150 Watt clear, universal burn HQI metal halide lamp

T-7½ Bulb; G12 Base

Average rated life: 6,000 hours

Initial lumens: 11,000; Mean lumens: 8,900 (All efficiencies based on initial lumens)

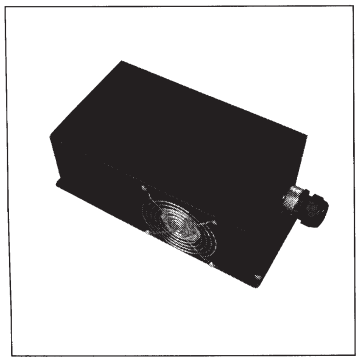
Color temperature: 4,200K; Color rendering index (CRI): 85



SV25EG–25 Strand Endglow

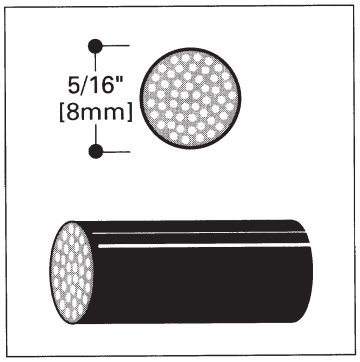
SVSL-500–Step Light
150 Watt Metal Halide, Single-Ended HQI Lamp

Light Source



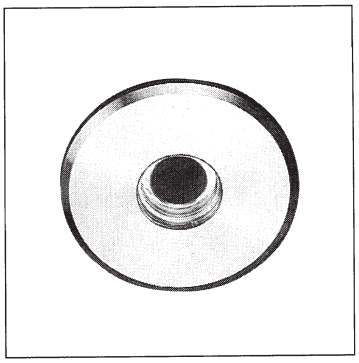
SV1500Q-40
150 Watt Metal Halide
4,000° K

Cable



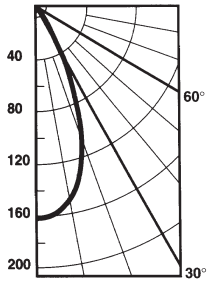
SV25EG
25 Strand Endglow Cable
Black Jacket

Fixture



SVSL-500
Step Light
Clear Lens

Candlepower Distribution



Test No. H46003
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV25EG
Strands=25
Length=25 Ft.
SVSL-500
Step Light
Spacing
Criterion=0.7
Efficiency[1]=0.9%

25 Ft. Length

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

Candlepower

Deg.	CD
0	161
5	159
15	132
25	69
35	18
45	5
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	51335
55	23388
65	11203
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	40	1'6"
3'0"	18	2'0"
4'6"	8	3'0"
5'6"	5	4'0"
6'6"	4	4'6"
8'0"	3	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.

Zonal Lumen Summary

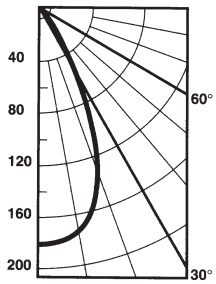
Zone	Lumens	%Lamp	%Luminaire
0-30	83	0.8	82.4
0-40	95	0.9	94.0
0-60	100	0.9	99.3
0-90	101	0.9	100.0
90-180	0	0.0	0.0
0-180	101	0.9	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46006
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV25EG
Strands=25
Length=15 Ft.
SVSL-500
Step Light
Spacing
Criterion=0.7
Efficiency[1]=1.1%

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

15 Ft. Length

Candlepower

Deg.	CD
0	181
5	180
15	159
25	89
35	23
45	5
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	52451
55	22013
65	11203
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	45	1'6"
3'0"	20	2'0"
4'6"	9	3'0"
5'6"	6	4'0"
6'6"	4	4'6"
8'0"	3	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.

Zonal Lumen Summary

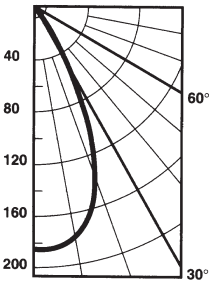
Zone	Lumens	%Lamp	%Luminaire
0-30	102	0.9	82.9
0-40	117	1.1	95.0
0-60	122	1.1	99.4
0-90	123	1.1	100.0
90-180	0	0.0	0.0
0-180	123	1.1	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46009
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV25EG
Strands=25
Length=10 Ft.
SVSL-500
Step Light
Spacing
Criterion=0.8
Efficiency[1]=1.2%

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

10 Ft. Length

Candlepower

Deg.	CD
0	187
5	186
15	166
25	98
35	25
45	5
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	59147
55	24764
65	13071
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	47	1'6"
3'0"	21	2'6"
4'6"	9	3'6"
5'6"	6	4'6"
6'6"	4	5'0"
8'0"	3	6'6"

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.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	108	1.0	82.1
0-40	125	1.1	94.8
0-60	131	1.2	99.4
0-90	132	1.2	100.0
90-180	0	0.0	0.0
0-180	132	1.2	100.0

Coefficients of Utilization

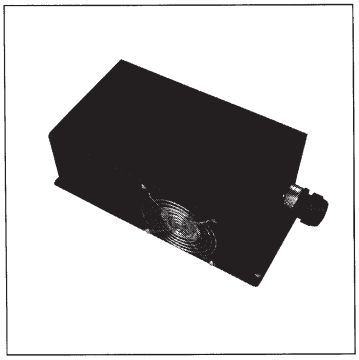
rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

SV25EG–25 Strand Endglow

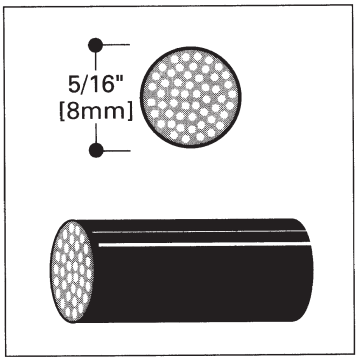
SVFD-700–Fixed Downlight
150 Watt Metal Halide, Single-Ended HQI Lamp

Light Source



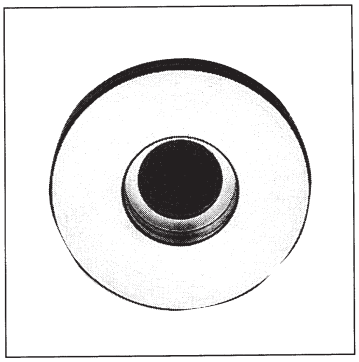
SV1500Q-40
150 Watt Metal Halide
4,000° K

Cable



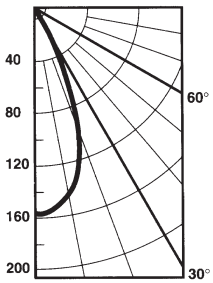
SV25EG
25 Strand Endglow Cable
Black Jacket

Fixture



SVFD-700
Fixed Downlight
Clear Lens

Candlepower Distribution



Test No. H46012
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV25EG
Strands=25
Length=25 Ft.
SVFD-700
Fixed Downlight
Spacing
Criterion=0.7
Efficiency[1]=0.8%

25 Ft. Length

Candlepower

Deg.	CD
0	156
5	154
15	128
25	61
35	14
45	5
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	17491
55	9434
65	4878
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	39	1'6"
3'0"	17	2'6"
4'6"	8	3'6"
5'6"	5	4'0"
6'6"	4	4'6"
8'0"	2	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.

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

Zonal Lumen Summary

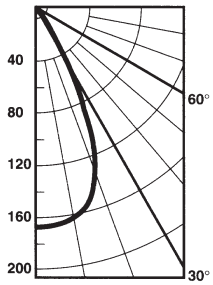
Zone	Lumens	%Lamp	%Luminaire
0-30	78	0.7	83.3
0-40	87	0.8	93.4
0-60	93	0.8	99.5
0-90	93	0.8	100.0
90-180	0	0.0	0.0
0-180	93	0.8	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46015
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV25EG
Strands=25
Length=15 Ft.
SVFD-700
Fixed Downlight
Spacing
Criterion=0.8
Efficiency[1]=1.1%

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

15 Ft. Length

Candlepower

Deg.	CD
0	166
5	165
15	153
25	94
35	23
45	5
55	1
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	19678
55	6289
65	3049
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	42	1'6"
3'0"	18	2'6"
4'6"	8	3'6"
5'6"	5	4'6"
6'6"	4	5'0"
8'0"	3	6'6"

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.

Zonal Lumen Summary

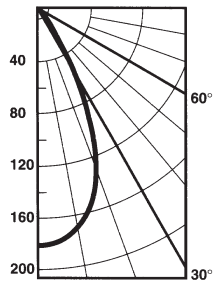
Zone	Lumens	%Lamp	%Luminaire
0-30	101	0.9	82.0
0-40	116	1.1	94.7
0-60	122	1.1	99.4
0-90	123	1.1	100.0
90-180	0	0.0	0.0
0-180	123	1.1	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46018
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV25EG
Strands=25
Length=10 Ft.
SVFD-700
Fixed Downlight
Spacing
Criterion=0.8
Efficiency[1]=1.2%

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

10 Ft. Length

Candlepower

Deg.	CD
0	185
5	183
15	159
25	94
35	29
45	8
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	27695
55	8985
65	4268
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	46	1'6"
3'0"	21	2'6"
4'6"	9	3'6"
5'6"	6	4'6"
6'6"	4	5'0"
8'0"	3	6'6"

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.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	104	0.9	79.2
0-40	123	1.1	93.2
0-60	131	1.2	99.3
0-90	132	1.2	100.0
90-180	0	0.0	0.0
0-180	132	1.2	100.0

Coefficients of Utilization

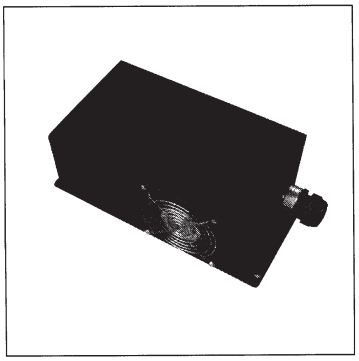
rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

SV25EG–25 Strand Endglow

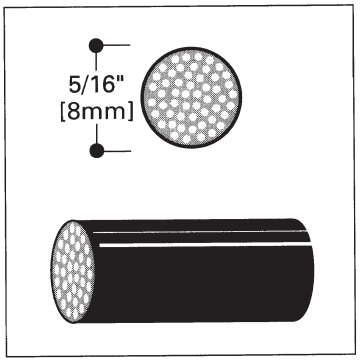
SVEB-900–Adjustable Eyeball
150 Watt Metal Halide, Single-Ended HQI Lamp

Light Source



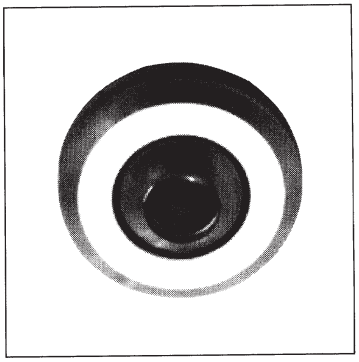
SV1500Q-40
150 Watt Metal Halide
4,000° K

Cable



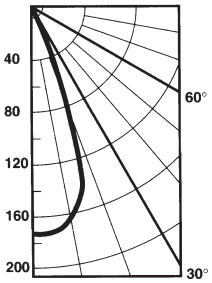
SV25EG
25 Strand Endglow Cable
Black Jacket

Fixture



SVEB-900
Adjustable Eyeball
Clear Lens

Candlepower Distribution



Test No. H46021
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV25EG
Strands=25
Length=25 Ft.
SVEB-900
Adjustable Eyeball
Spacing
Criterion=0.6
Efficiency[1]=0.6%

25 Ft. Length

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

Candlepower

Deg.	CD
0	176
5	176
15	148
25	14
35	2
45	1
55	0
65	0
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	5000
55	0
65	0
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	44	1'6"
3'0"	20	2'0"
4'6"	9	3'0"
5'6"	6	4'0"
6'6"	4	4'6"
8'0"	3	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.

Zonal Lumen Summary

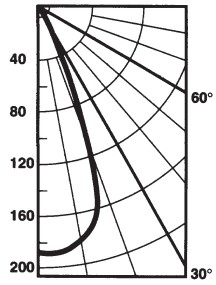
Zone	Lumens	%Lamp	%Luminaire
0-30	64	0.6	97.3
0-40	65	0.6	98.9
0-60	65	0.6	100.0
0-90	65	0.6	100.0
90-180	0	0.0	0.0
0-180	65	0.6	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46024
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV25EG
Strands=25
Length=15 Ft.
SVEB-900
Adjustable Eyeball
Spacing
Criterion=0.6
Efficiency[1]=0.7%

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

15 Ft. Length

Candlepower

Deg.	CD
0	190
5	190
15	166
25	24
35	2
45	1
55	0
65	0
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	5714
55	0
65	0
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	48	1'6"
3'0"	21	2'0"
4'6"	9	3'0"
5'6"	6	4'0"
6'6"	4	4'6"
8'0"	3	5'0"

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.

Zonal Lumen Summary

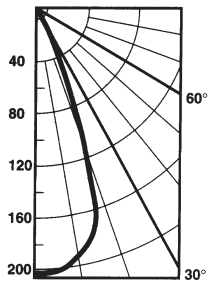
Zone	Lumens	%Lamp	%Luminaire
0-30	75	0.7	97.3
0-40	76	0.7	98.9
0-60	77	0.7	100.0
0-90	77	0.7	100.0
90-180	0	0.0	0.0
0-180	77	0.7	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46027
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV25EG
Strands=25
Length=10 Ft.
SVEB-900
Adjustable Eyeball
Spacing
Criterion=0.6
Efficiency[1]=0.8%

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

10 Ft. Length

Candlepower

Deg.	CD
0	204
5	203
15	178
25	25
35	2
45	1
55	0
65	0
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	6428
55	0
65	0
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	51	1'6"
3'0"	23	2'0"
4'6"	10	3'0"
5'6"	7	4'0"
6'6"	5	4'6"
8'0"	3	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.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	81	0.7	97.3
0-40	82	0.7	98.9
0-60	83	0.8	100.0
0-90	83	0.8	100.0
90-180	0	0.0	0.0
0-180	83	0.8	100.0

Coefficients of Utilization

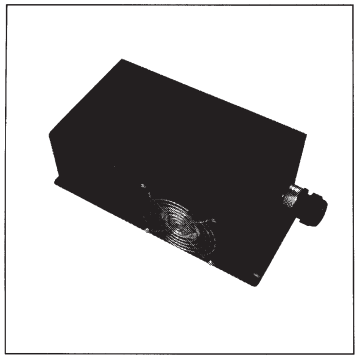
rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

SV50EG–50 Strand Endglow

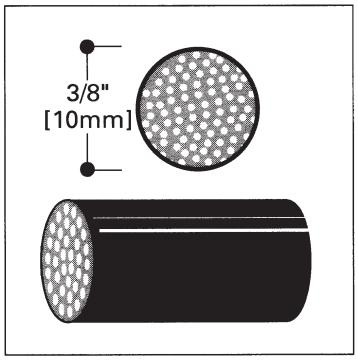
SVSL-500–Step Light
150 Watt Metal Halide, Single-Ended HQI Lamp

Light Source



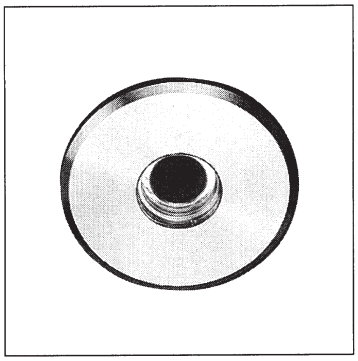
SV1500Q-40
150 Watt Metal Halide
4,000° K

Cable



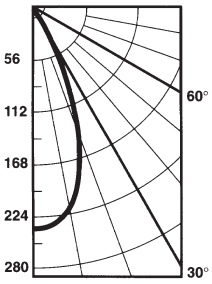
SV50EG
50 Strand Endglow Cable
Black Jacket

Fixture



SVSL-500
Step Light
Clear Lens

Candlepower Distribution



Test No. H46004
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV50EG
Strands=50
Length=25 Ft.
SVSL-500
Step Light
Spacing
Criterion=0.7
Efficiency[1]=1.3%

25 Ft. Length

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

Candlepower

Deg.	CD
0	233
5	230
15	190
25	94
35	23
45	5
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	52451
55	20637
65	11203
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	58	1'6"
3'0"	26	2'0"
4'6"	12	3'0"
5'6"	8	4'0"
6'6"	6	4'6"
8'0"	4	5'6"

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

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

Zonal Lumen Summary

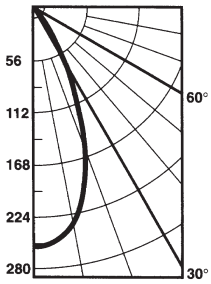
Zone	Lumens	%Lamp	%Luminaire
0-30	117	1.1	84.9
0-40	132	1.2	95.6
0-60	137	1.2	99.4
0-90	138	1.3	100.0
90-180	0	0.0	0.0
0-180	138	1.3	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46007
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV50EG
Strands=50
Length=15 Ft.
SVSL-500
Step Light
Spacing
Criterion=0.7
Efficiency[1]=1.4%

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

15 Ft. Length

Candlepower

Deg.	CD
0	257
5	252
15	203
25	104
35	31
45	7
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	80351
55	27516
65	14938
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	64	1'6"
3'0"	29	2'0"
4'6"	13	3'0"
5'6"	8	4'0"
6'6"	6	4'6"
8'0"	4	5'6"

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

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

Zonal Lumen Summary

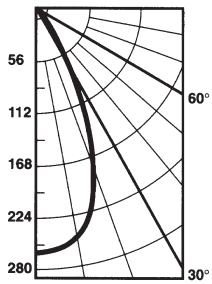
Zone	Lumens	%Lamp	%Luminaire
0-30	128	1.2	81.6
0-40	148	1.3	94.4
0-60	156	1.4	99.4
0-90	157	1.4	100.0
90-180	0	0.0	0.0
0-180	157	1.4	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
2	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
3	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46010
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV50EG
Strands=50
Length=10 Ft.
SVSL-500
Step Light
Spacing
Criterion=0.7
Efficiency[1]=1.6%

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

10 Ft. Length

Candlepower

Deg.	CD
0	264
5	262
15	228
25	122
35	30
45	6
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	69191
55	24764
65	14938
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	66	1'6"
3'0"	29	2'0"
4'6"	13	3'0"
5'6"	9	4'0"
6'6"	6	4'6"
8'0"	4	5'6"

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

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

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	143	1.3	83.8
0-40	163	1.5	95.4
0-60	170	1.5	99.4
0-90	171	1.6	100.0
90-180	0	0.0	0.0
0-180	171	1.6	100.0

Coefficients of Utilization

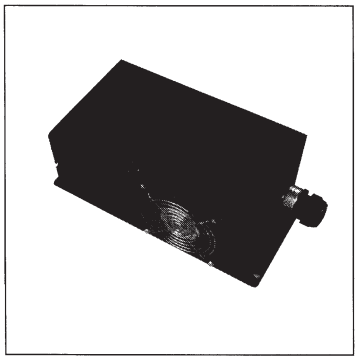
rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1
3	2	2	2	2	2	2	2	1	2	2	1	2	1	1	1	1	1	1
4	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
5	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

SV50EG–50 Strand Endglow

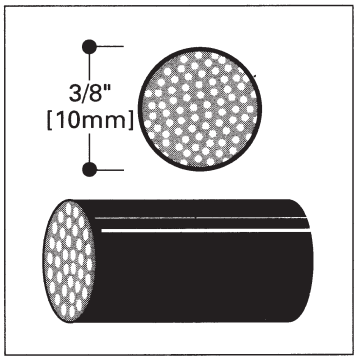
SVFD-700–Fixed Downlight
150 Watt Metal Halide, Single-Ended HQI Lamp

Light Source



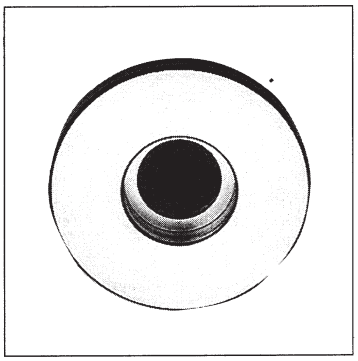
SV1500Q-40
150 Watt Metal Halide
4,000° K

Cable



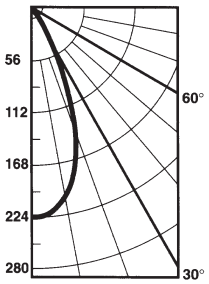
SV50EG
50 Strand Endglow Cable
Black Jacket

Fixture



SVFD-700
Fixed Downlight
Clear Lens

Candlepower Distribution



Test No. H46013
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV50EG
Strands=50
Length=25 Ft.
SVFD-700
Fixed Downlight
Spacing
Criterion=0.7
Efficiency[1]=1.3%

25 Ft. Length

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

Candlepower

Deg.	CD
0	223
5	220
15	181
25	94
35	26
45	6
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	22229
55	7188
65	3658
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	56	1'6"
3'0"	25	2'0"
4'6"	11	3'0"
5'6"	7	4'0"
6'6"	5	4'6"
8'0"	3	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.

Zonal Lumen Summary

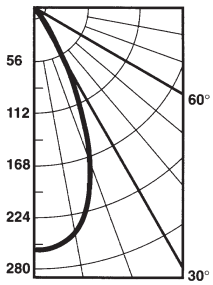
Zone	Lumens	%Lamp	%Luminaire
0-30	114	1.0	82.3
0-40	131	1.2	94.8
0-60	137	1.2	99.4
0-90	138	1.3	100.0
90-180	0	0.0	0.0
0-180	138	1.3	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46016
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV50EG
Strands=50
Length=15 Ft.
SVFD-700
Fixed Downlight
Spacing
Criterion=0.7
Efficiency[1]=1.5%

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

15 Ft. Length

Candlepower

Deg.	CD
0	258
5	255
15	218
25	115
35	29
45	6
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	21864
55	7637
65	4268
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	65	1'6"
3'0"	29	2'0"
4'6"	13	3'0"
5'6"	9	4'0"
6'6"	6	4'6"
8'0"	4	5'6"

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

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

Zonal Lumen Summary

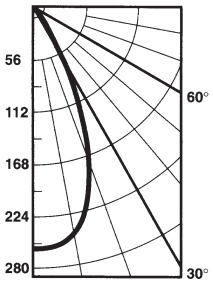
Zone	Lumens	%Lamp	%Luminaire
0-30	137	1.2	83.8
0-40	156	1.4	95.4
0-60	162	1.5	99.4
0-90	163	1.5	100.0
90-180	0	0.0	0.0
0-180	163	1.5	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1
3	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
4	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46019
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV50EG
Strands=50
Length=10 Ft.
SVFD-700
Fixed Downlight
Spacing
Criterion=0.7
Efficiency[1]=1.6%

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

10 Ft. Length

Candlepower

Deg.	CD
0	262
5	260
15	225
25	123
35	35
45	8
55	2
65	1
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	28423
55	8086
65	4878
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	66	1'6"
3'0"	29	2'0"
4'6"	13	3'0"
5'6"	9	4'0"
6'6"	6	4'6"
8'0"	4	5'6"

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

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

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	143	1.3	81.6
0-40	166	1.5	94.8
0-60	174	1.6	99.4
0-90	175	1.6	100.0
90-180	0	0.0	0.0
0-180	175	1.6	100.0

Coefficients of Utilization

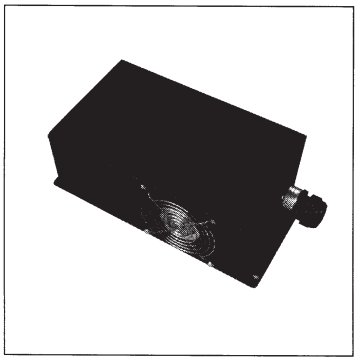
rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
3	2	2	2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1
4	2	2	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1
5	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
6	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

SV50EG–50 Strand Endglow

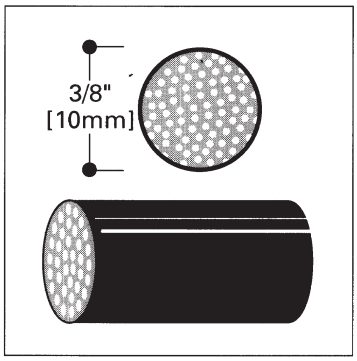
SVEB-900–Adjustable Eyeball
150 Watt Metal Halide, Single-Ended HQI Lamp

Light Source



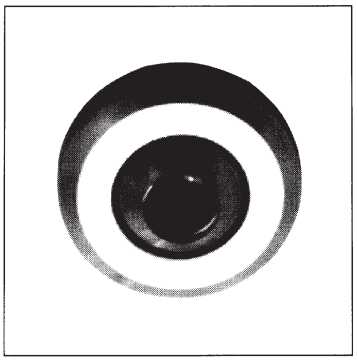
SV1500Q-40
150 Watt Metal Halide
4,000° K

Cable



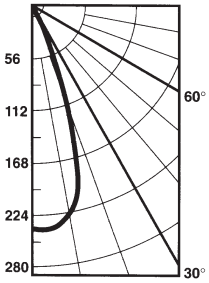
SV50EG
50 Strand Endglow Cable
Black Jacket

Fixture



SVEB-900
Adjustable Eyeball
Clear Lens

Candlepower Distribution



Test No. H46022
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV50EG
Strands=50
Length=25 Ft.
SVEB-900
Adjustable Eyeball
Spacing
Criterion=0.6
Efficiency[1]=0.8%

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

25 Ft. Length

Candlepower

Deg.	CD
0	234
5	234
15	184
25	29
35	2
45	1
55	0
65	0
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	6428
55	0
65	0
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	59	1'6"
3'0"	26	2'0"
4'6"	12	3'0"
5'6"	8	4'0"
6'6"	6	4'6"
8'0"	4	5'6"

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

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

Zonal Lumen Summary

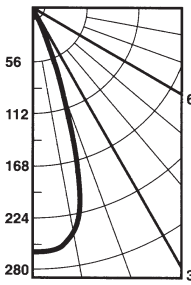
Zone	Lumens	%Lamp	%Luminaire
0-30	85	0.8	97.4
0-40	87	0.8	99.0
0-60	88	0.8	100.0
0-90	88	0.8	100.0
90-180	0	0.0	0.0
0-180	88	0.8	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46025
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV50EG
Strands=50
Length=15 Ft.
SVEB-900
Adjustable Eyeball
Spacing
Criterion=0.5
Efficiency[1]=0.9%

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

15 Ft. Length

Candlepower

Deg.	CD
0	263
5	263
15	197
25	31
35	3
45	1
55	1
65	0
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	8571
55	4403
65	0
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	66	1'0"
3'0"	29	2'0"
4'6"	13	2'6"
5'6"	9	3'6"
6'6"	6	4'0"
8'0"	4	5'0"

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.

Zonal Lumen Summary

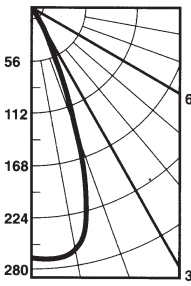
Zone	Lumens	%Lamp	%Luminaire
0-30	93	0.8	96.6
0-40	94	0.9	98.4
0-60	96	0.9	99.9
0-90	96	0.9	100.0
90-180	0	0.0	0.0
0-180	96	0.9	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46028
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV50EG
Strands=50
Length=10 Ft.
SVEB-900
Adjustable Eyeball
Spacing
Criterion=0.6
Efficiency[1]=1.0%

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

10 Ft. Length

Candlepower

Deg.	CD
0	272
5	274
15	226
25	39
35	3
45	1
55	1
65	0
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	8571
55	4403
65	0
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	68	1'0"
3'0"	30	2'0"
4'6"	13	2'6"
5'6"	9	3'6"
6'6"	6	4'0"
8'0"	4	5'0"

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.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	106	1.0	96.9
0-40	108	1.0	98.6
0-60	109	1.0	99.9
0-90	109	1.0	100.0
90-180	0	0.0	0.0
0-180	109	1.0	100.0

Coefficients of Utilization

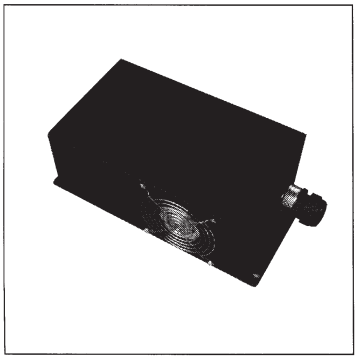
rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

SV75EG–75 Strand Endglow

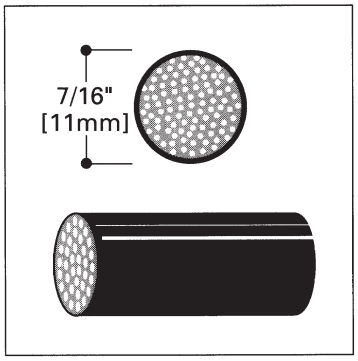
SVSL-500–Step Light
150 Watt Metal Halide, Single-Ended HQI Lamp

Light Source



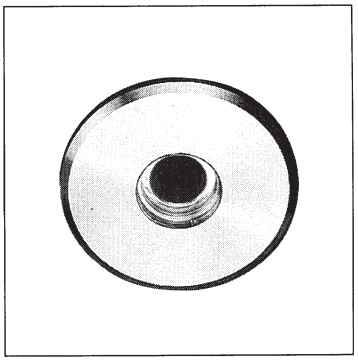
SV1500Q-40
150 Watt Metal Halide
4,000° K

Cable



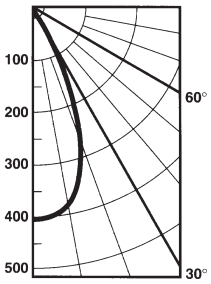
SV75EG
75 Strand Endglow Cable
Black Jacket

Fixture



SVSL-500
Step Light
Clear Lens

Candlepower Distribution



Test No. H46005
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV75EG
Strands=75
Length=25 Ft.
SVSL-500
Step Light
Spacing
Criterion=0.7
Efficiency[1]=2.4%

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

25 Ft. Length

Candlepower

Deg.	CD
0	408
5	405
15	352
25	190
35	46
45	10
55	3
65	2
75	1
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	108250
55	46777
65	29875
75	15245
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	102	1'6"
3'0"	45	2'0"
4'6"	20	3'0"
5'6"	13	4'0"
6'6"	10	4'6"
8'0"	6	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.

Zonal Lumen Summary

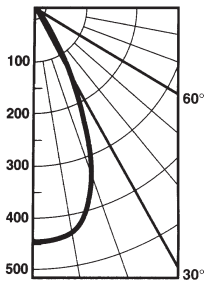
Zone	Lumens	%Lamp	%Luminaire
0-30	222	2.0	83.6
0-40	252	2.3	95.0
0-60	264	2.4	99.2
0-90	266	2.4	100.0
90-180	0	0.0	0.0
0-180	266	2.4	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2
1	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
2	3	3	3	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2
3	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46008
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV75EG
Strands=75
Length=15 Ft.
SVSL-500
Step Light
Spacing
Criterion=0.8
Efficiency[1]=2.8%

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

15 Ft. Length

Candlepower

Deg.	CD
0	448
5	446
15	398
25	222
35	59
45	12
55	4
65	2
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	137266
55	56407
65	33610
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	112	1'6"
3'0"	50	2'6"
4'6"	22	3'6"
5'6"	15	4'6"
6'6"	11	5'0"
8'0"	7	6'6"

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.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	254	2.3	82.2
0-40	293	2.7	94.7
0-60	307	2.8	99.2
0-90	309	2.8	100.0
90-180	0	0.0	0.0
0-180	309	2.8	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
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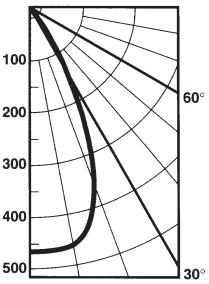
4	3	3	3	3	3	3	3	3	3	3	2	3	3	2	3	2	2	2
5	3	3	2	2	3	3	2	2	3	2	2	3	2	2	2	2	2	2
6	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
7	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
8	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46011
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV75EG
Strands=75
Length=10 Ft.
SVSL-500
Step Light
Spacing
Criterion=0.8
Efficiency[1]=3.1%

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

10 Ft. Length

Candlepower

Deg.	CD
0	468
5	467
15	430
25	248
35	69
45	14
55	4
65	2
75	1
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	151774
55	53656
65	31743
75	18294
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	117	1'6"
3'0"	52	2'6"
4'6"	23	3'6"
5'6"	15	4'6"
6'6"	11	5'0"
8'0"	7	6'6"

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.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	276	2.5	81.6
0-40	321	2.9	94.8
0-60	336	3.1	99.3
0-90	339	3.1	100.0
90-180	0	0.0	0.0
0-180	339	3.1	100.0

Coefficients of Utilization

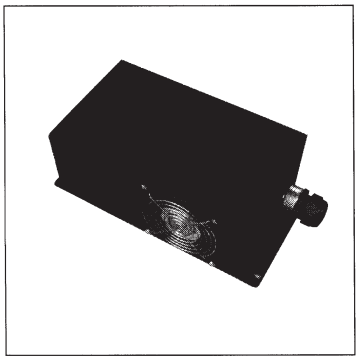
rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3
1	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	2	3	3	2	3	3	2	2
7	3	3	2	2	3	3	2	2	3	2	2	3	2	2	3	2	2	2
8	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2
9	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
10	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

SV75EG–75 Strand Endglow

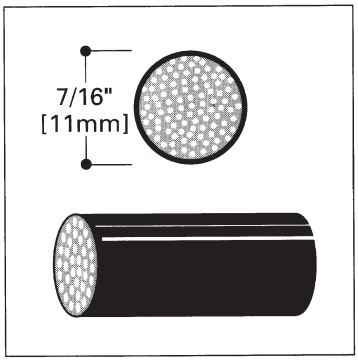
SVFD-700–Fixed Downlight
150 Watt Metal Halide, Single-Ended HQI Lamp

Light Source



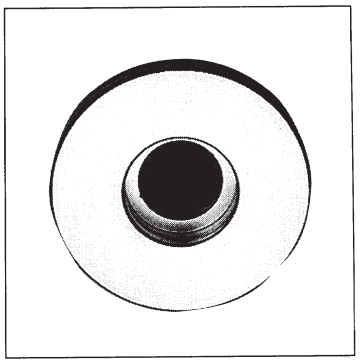
SV1500Q-40
150 Watt Metal Halide
4,000° K

Cable



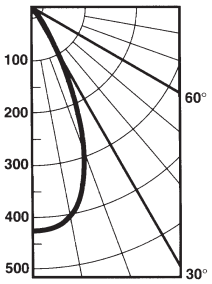
SV75EG
75 Strand Endglow Cable
Black Jacket

Fixture



SVFD-700
Fixed Downlight
Clear Lens

Candlepower Distribution



Test No. H46014
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV75EG
Strands=75
Length=25 Ft.
SVFD-700
Fixed Downlight
Spacing
Criterion=0.7
Efficiency[1]=2.5%

25 Ft. Length

Candlepower

Deg.	CD
0	425
5	421
15	364
25	196
35	51
45	11
55	3
65	1
75	1
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	40084
55	14825
65	8536
75	6969
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	106	1'6"
3'0"	47	2'0"
4'6"	21	3'0"
5'6"	14	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.

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

Zonal Lumen Summary

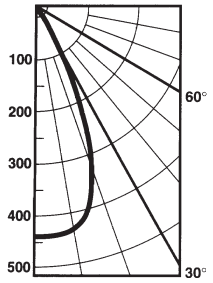
Zone	Lumens	%Lamp	%Luminaire
0-30	230	2.1	82.7
0-40	263	2.4	94.9
0-60	275	2.5	99.2
0-90	277	2.5	100.0
90-180	0	0.0	0.0
0-180	277	2.5	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2
2	3	3	3	3	3	3	3	3	3	3	2	3	2	2	2	2	2	2
3	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2
4	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
5	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46017
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV75EG
Strands=75
Length=15 Ft.
SVFD-700
Fixed Downlight
Spacing
Criterion=0.7
Efficiency[1]=2.8%

Candlepower

Deg.	CD
0	442
5	442
15	407
25	222
35	54
45	12
55	3
65	1
75	1
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	41906
55	14825
65	8536
75	6969
85	0

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.

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

15 Ft. Length

Zonal Lumen Summary

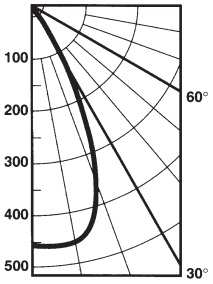
Zone	Lumens	%Lamp	%Luminaire
0-30	256	2.3	83.5
0-40	292	2.7	95.2
0-60	304	2.8	99.3
0-90	306	2.8	100.0
90-180	0	0.0	0.0
0-180	306	2.8	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
4	3	3	3	3	3	3	3	3	3	3	2	3	3	2	3	2	2	2
5	3	3	2	2	3	3	2	2	3	2	2	3	2	2	2	2	2	2
6	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
7	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
8	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46020
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV75EG
Strands=75
Length=10 Ft.
SVFD-700
Fixed Downlight
Spacing
Criterion=0.8
Efficiency[1]=3.1%

Candlepower

Deg.	CD
0	455
5	457
15	430
25	251
35	68
45	13
55	3
65	2
75	1
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	46644
55	15274
65	9146
75	6969
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	114	1'6"
3'0"	51	2'6"
4'6"	22	3'6"
5'6"	15	4'6"
6'6"	11	5'0"
8'0"	7	6'6"

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.

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

10 Ft. Length

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	277	2.5	82.0
0-40	321	2.9	95.2
0-60	335	3.0	99.3
0-90	337	3.1	100.0
90-180	0	0.0	0.0
0-180	337	3.1	100.0

Coefficients of Utilization

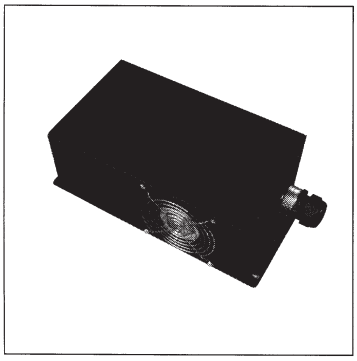
rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3
1	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	2	3	3	2	3	3	2	2
7	3	3	2	2	3	3	2	2	3	2	2	3	2	2	3	2	2	2
8	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2
9	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
10	3	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

SV75EG–75 Strand Endglow

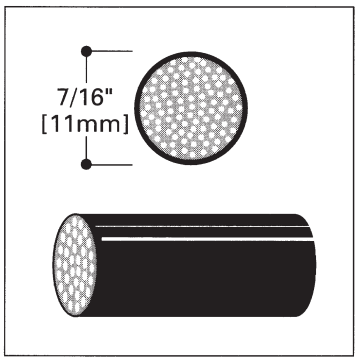
SVEB-900–Adjustable Eyeball
150 Watt Metal Halide, Single-Ended HQI Lamp

Light Source



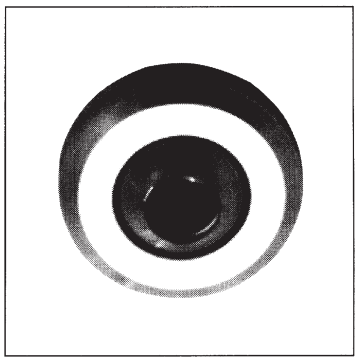
SV1500Q-40
150 Watt Metal Halide
4,000° K

Cable



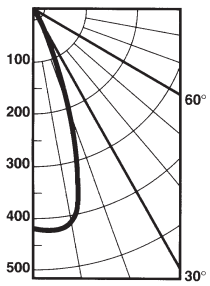
SV75EG
75 Strand Endglow Cable
Black Jacket

Fixture



SVEB-900
Adjustable Eyeball
Clear Lens

Candlepower Distribution



Test No. H46023
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV75EG
Strands=75
Length=25 Ft.
SVEB-900
Adjustable Eyeball
Spacing
Criterion=0.6
Efficiency[1]=1.4%

25 Ft. Length

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

Candlepower

Deg.	CD
0	412
5	416
15	318
25	57
35	5
45	2
55	1
65	0
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	14999
55	7044
65	0
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	103	1'0"
3'0"	46	2'0"
4'6"	20	2'6"
5'6"	14	3'6"
6'6"	10	4'0"
8'0"	6	5'0"

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.

Zonal Lumen Summary

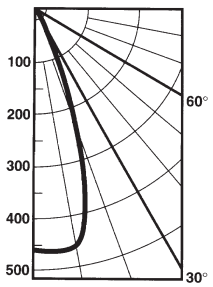
Zone	Lumens	%Lamp	%Luminaire
0-30	154	1.4	96.5
0-40	157	1.4	98.4
0-60	159	1.4	99.9
0-90	159	1.4	100.0
90-180	0	0.0	0.0
0-180	159	1.4	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1
1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
2	2	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1
3	2	2	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1
4	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46026
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV75EG
Strands=75
Length=15 Ft.
SVEB-900
Adjustable Eyeball
Spacing
Criterion=0.6
Efficiency[1]=1.7%

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

15 Ft. Length

Candlepower

Deg.	CD
0	457
5	463
15	375
25	81
35	5
45	2
55	1
65	0
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	17142
55	8805
65	0
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	114	1'0"
3'0"	51	2'0"
4'6"	23	2'6"
5'6"	15	3'6"
6'6"	11	4'0"
8'0"	7	5'0"

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.

Zonal Lumen Summary

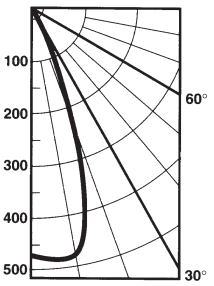
Zone	Lumens	%Lamp	%Luminaire
0-30	185	1.7	96.5
0-40	189	1.7	98.4
0-60	192	1.7	99.9
0-90	192	1.7	100.0
90-180	0	0.0	0.0
0-180	192	1.7	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	10
RCR																		
0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	1	2	2	1	2	2	1	2	2	1	1
9	2	2	2	1	2	2	2	1	2	1	1	2	1	1	2	1	1	1
10	2	2	1	1	2	2	1	1	2	1	1	2	1	1	1	1	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.

Candlepower Distribution



Test No. H46029
SV1500Q-40
Lamp=150W MH
Lumens=11,000
SV75EG
Strands=75
Length=10 Ft.
SVEB-900
Adjustable Eyeball
Spacing
Criterion=0.6
Efficiency[1]=1.8%

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

10 Ft. Length

Candlepower

Deg.	CD
0	474
5	482
15	395
25	82
35	6
45	3
55	1
65	0
75	0
85	0
90	0

Average Luminance

Deg.	CD/SQ M
45	19284
55	9686
65	0
75	0
85	0

Cone of Light

Distance to Illuminated Plane	Initial Nadir Footcandles	Beam Diameter
2'0"	119	1'0"
3'0"	53	2'0"
4'6"	23	2'6"
5'6"	16	3'6"
6'6"	11	4'0"
8'0"	7	5'0"

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.

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Luminaire
0-30	193	1.8	96.3
0-40	197	1.8	98.4
0-60	200	1.8	99.9
0-90	200	1.8	100.0
90-180	0	0.0	0.0
0-180	200	1.8	100.0

Coefficients of Utilization

rc	80%				70%				50%			30%			10%			0%
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	1	2	2	2	1	2	2	1	2	2	1	2	2	1	1

rc=Ceiling reflectance, rw=Wall reflectance, RCR=Room cavity ratio
CU Data Based on 20% Effective Floor Cavity Reflectance.