

Lamp Replacement

FiberPro

Replacement Part No. GA-30, GA-40

STEP 1 - IMPORTANT!

Shut OFF the main electrical power to the unit.

STEP 2

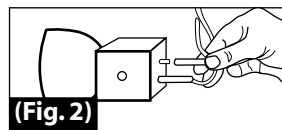
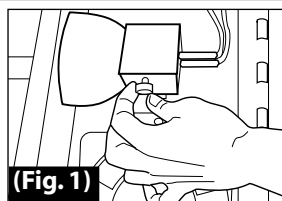
Loosen the lamp bracket screw (Fig. 1)

STEP 3

Lift the lamp out and disconnect the two electrical connectors. (Fig. 2)

STEP 4

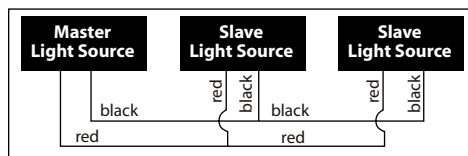
Reverse Steps 1 and 2 for new lamp replacement. Note the location of the thumb screw hole when aligning the lamp for replacement. Restore power to the light source.



Control System

CAUTION!

Run the low voltage data cable (part no. SVCC10) in a separate conduit. DO NOT run in the same conduit as high voltage wires. Connect Red to Red, Black to Black.



Trouble Shooting

IMPORTANT: The Restrike period for the lamp when it has been turned OFF and immediately turned back ON is 3-5 minutes. This allows the lamp a period to cool down. It is the normal operation for this lamp.

• Light Source will not operate:

- Check if the power switch is in the ON position
- Make sure the unit is wired properly

• Lamp is OFF but the fan is ON:

- Shut OFF the light source immediately and check the lamp connections.
- If lamp is still not on, replace Lamp

• Lamp is ON but the fan or blower is OFF:

- Shut OFF light source immediately and call Service Representative

• Light Source does not change color:

- Check the color wheel for obstructions
- Check the color wheel nut for tightness
- Check the fibers are not contacting the color wheel

• Light dims over a period of time:

- Inspect the fiber head for a clean and smooth cut
- Re-cut the fiber head if it appears otherwise
- Inspect the color wheel and glass filter for clarity - clean if necessary

• Light Source shuts OFF after running for a while:

- Check if fan is running
- Check for proper ventilation and ventilation obstructions

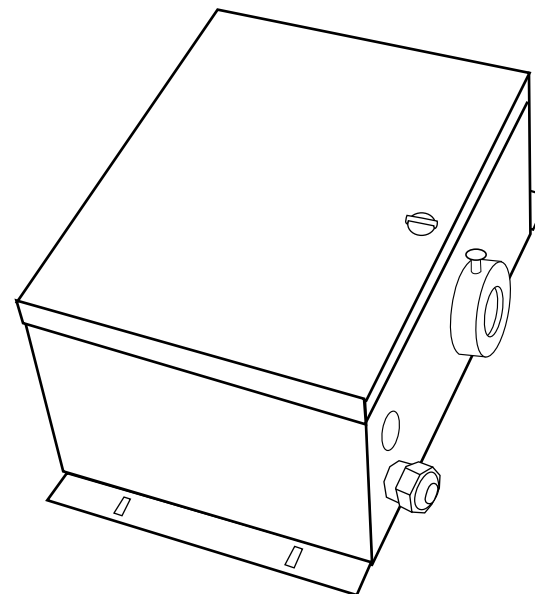
• Fiber is melted at the Fiber Head:

- Check if fan is running
- Check for proper ventilation
- Check for EndGlow™ black jacket in the Fiber Head - Remove the black jacket and recut the fiber head

Installation Manual

FiberPro

Illuminator Should Only Be Installed By a Qualified Electrician



SPECIFICATIONS

Location Listing: UL listed dry/wet locations

Dimensions: 6.125" High x 8.5" wide x 14.625" long

Fiber Capacity: 500 strands

Lamp: 150 watt Metal Halide
Average Lamp Life: 10,000 hours
Cool down Restrike period: 3-5 minutes

Super Vision International, Inc.

8210 Presidents Drive • Orlando, Florida 32809 • Tel: 407.857.9900 • Fax: 407.857.0050
svision.com



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General Information

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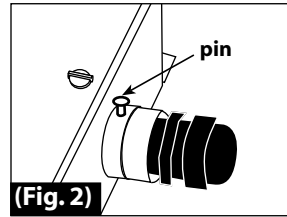
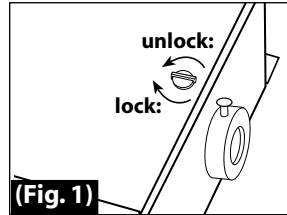
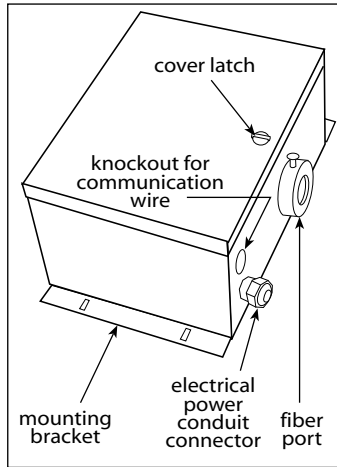
FEATURES

Cover Latch

Turn clockwise to lock, counter-clockwise to unlock. (Fig. 1)

Fiber Head Connection

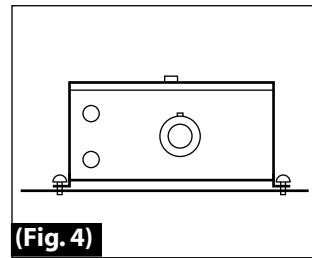
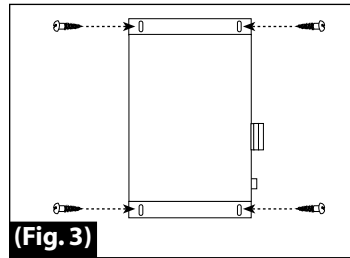
Fiber Port Spring loaded pin locking mechanism (Fig. 2)



MOUNTING

Vertical (Fig. 3)

Horizontal (Fig. 4)



INTERNAL COMPONENTS

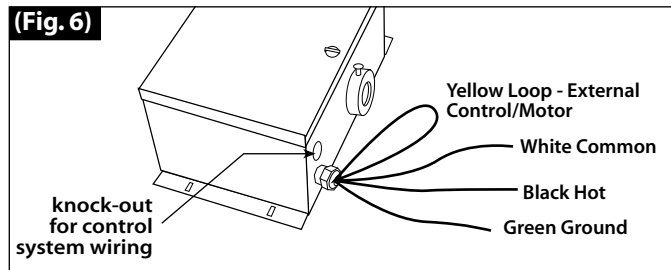
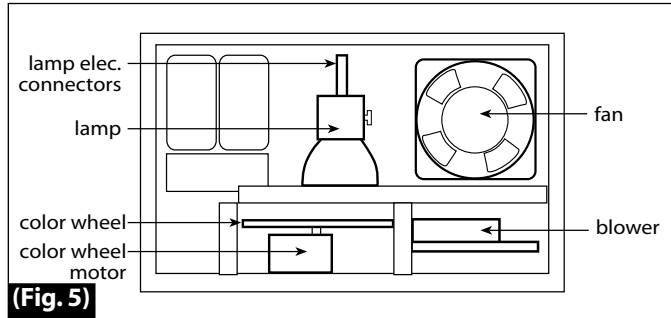
(Fig. 5)

ELECTRICAL COMPONENTS

(Fig. 6)

CAUTION: Do NOT supply voltage to the YELLOW wire. This wire provides a means for starting and stopping the color rotation by connecting it to an external switch.

Cut the loop and connect both leads to the external control panel according to the manufacturer's specifications. To STOP the color rotation, this circuit must be broken.



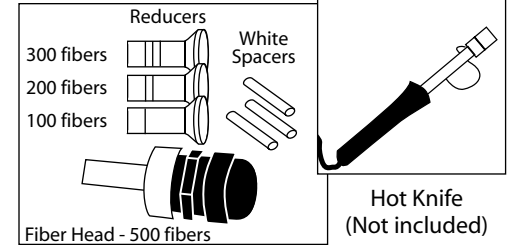
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PREPARE/INSTALL THE FIBER HEAD

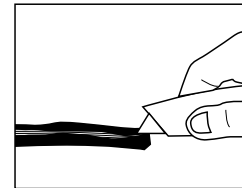
Fiber Head Capacity: 500 fibers

Reducers: The rings at the tip of each reducer denote the fiber capacity:

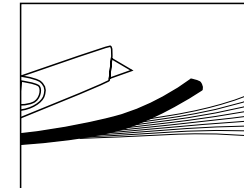
- 3 rings = 300 fibers
- 2 rings = 200 fibers
- 1 ring = 100 fibers



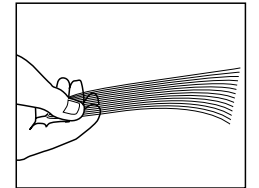
STEP 5A - Prepare the Fiber



Cut the protective jacket lengthwise being careful not to cut or damage the fibers.

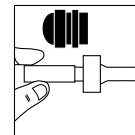


Remove approximately 6" of the protective jacket. Remove center core on SideGlow® cable.

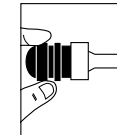


Inspect the fibers making sure none are cut or damaged.

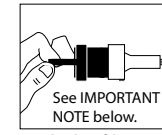
STEP 5B - Prepare the Fiber Head



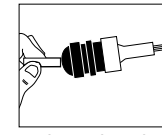
Install a Reducer if necessary.



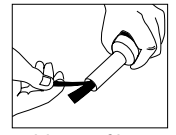
Replace the fiber tight connector.



Push the fiber through, making sure it extends past the tip of the Fiber Head.

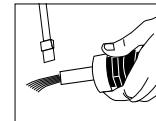


Tighten the Fiber head. Install white spacers if the fiber is loose in the fiber tight connector.

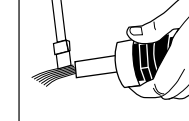


Add extra fiber in the tip until the fiber is tight.

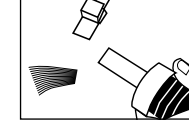
STEP 5C - Cut the Fiber



With the Hot knife fully heated...



Apply an even pressure on the fibers.

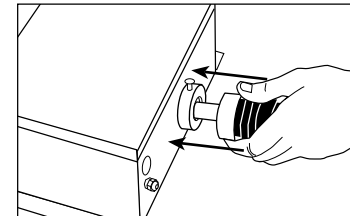


Do not use a sawing motion



Smooth Cut

STEP 5D - Install the Fiber Head



Align the Fiber Head with the port opening, and push forward until it locks.

IMPORTANT NOTE:
Do not push the black jacket portion of the cable into the Fiber Head. Overheating and melting of the fiber may occur.