Installation Instructions

Stage Edge™ is a modular component system for stage marker illumination. Stage Edge™ is a flexible, rectangular, semi-rigid polycarbonate tube designed for recessed mounting in a pre-cut channel in the stage floor.

**Caution:** To avoid an electrical overload to your low voltage Stage Edge™ Stage Marker, do not exceed a 140 lamp run per 12V DC transformer capacity (80 LEDs per continuous home run). Class 2 transformer required.

**Note:** Specify component lengths and feed side when ordering by providing drawing.

**Preparing The Stage Floor:**

**Step 1:** Cut a groove in floor to accommodate Light fixture width and length. Groove width will need to be 9/16” wide.

**Step 2:** Be sure groove is completely clean before continuing installation.

**Connecting Tube Modules**

**Step 1:** Lay out tubes on floor in order of assembly near recessed groove. Be sure the lead end and trail end are in the correct position.

**NOTE:** The final tube will be the only one with a solid End Cap. Be sure the solid End Cap is located at the end of the run.

**Step 2:** Turn each tube so the long cutouts at the tube ends are facing upwards. Inter-connect the wires coming out of the end of each tube. To ensure correct polarity, a butt connector is already attached to one end of each wire. Insert the bare wire from one tube into the butt connector of the wire of the connecting tube, as shown.

**Caution: Polarity Sensitive**

A Butt Connector is already attached to each wire to ensure correct polarity. Do not remove.

**Step 3:** Securely crimp each wire inside the Butt Connector in the areas shown.

**Step 4:** Starting with the Stage Edge™ light tube at the lead end, turn it over so the long cutout is facing the bottom. This puts the tube in the correct orientation for installation.
Installation Instructions (Continued)

Installing Tubes

**Step 5:** Line the bottom of the recessed channel with double sided tape.

**Note:** Be sure the channel and the tape remain clean.

**Step 6:** Install the Lead tube into lead end of recessed channel and press down to securely fasten the tube against the tape.

**Step 7:** Apply silicone adhesive to the outside of End Cap of the first installed tube.

**Step 8:** Position the next tube in the channel making sure the wires are pushed up inside each tube to allow flush mounting against the end of the first tube. Fold each wire so one Butt Connector fits inside each tube, as shown. Press the tube until it is flush against the End Cap of the tube already installed. The silicone adhesive will ensure a tight seal between the tubes.

**Step 9:** Repeat steps 6 through 8 for each of the remaining Stage Edge™ Stage Marker tubes.

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**Step 9:** Repeat steps 6 through 8 for each of the remaining Stage Edge™ Stage Marker tubes.

Installation Instructions: Cutting Tube to Size

**Note:** It is recommended that Stage Edge™ be pre-cut and shipped to order according to customer drawing. However, there may instances when it is necessary to cut the tubing in the field.

**Step 1:** Measure Stage Edge™ tubing to desired length. Mark tube where cut is to be made.

**Step 2:** Score all sides of the tube using a sharp knife or cutter.

**Step 3:** Snap tube by holding it between your thumbs and fingers and pushing out with your thumbs.

**Step 4:** Pull sets of wires from open tube ends and cut with wire cutters. Be sure to leave enough wire to connect it to the next tube.

**Step 5:** Use a sharp knife or cutter to cut off the extra length of backing board that is extending out of the end of the cut tube. Pull the board out a little further to cut it to make room for the end cap to fit inside the tube.
Installation Instructions: Cutting Tube to Size (Continued)

**Step 6:** Remove End Cap from discarded section of tube and Insert into the good end of the tube after applying silicone around the edges of the End Cap.

**Step 7:** Review the wiring diagram below to determine the polarity of each wire.

**Step 8:** Proceed to “Connecting Tube Modules” section.  
**Note:** The field cut end of the tube will not have the pre-cut slot at the bottom to accommodate the butt connector, so tuck both butt connectors into the tube end that has the slot.

### Stage Edge™ Layout Diagram

- **TYPE 03 TUBE**  
  `STEG-12-03C-L-N-12`*  
  (Left Side, No Feed Wire)  
  `STEG-12-03C-L-Y-12`*  
  (Left Side, with Feed Wire)  
  Custom Length Finish Tube  
  Specify Exact Length With Drawing

- **TYPE 02 TUBE**  
  `STEG-12-028-12`*  
  Extension Tube  
  (`Red LED indicates Center Stage`)

- **TYPE 01 TUBE**  
  `STEG-12-017-12`*  
  Center Tube  
  (`Red LED indicates Center Stage`)

- **TYPE 03 TUBE**  
  `STEG-12-03C-R-N-12`*  
  (Right Side, No Feed Wire)  
  `STEG-12-03C-R-Y-12`*  
  (Right Side, with Feed Wire)  
  Custom Length Finish Tube  
  Specify Exact Length With Drawing

Stage Edge May Be Ordered With Either Left Or Right Feed.  
See Specification Sheet for ordering information.

TIVOLI 12V DC POWER SUPPLY

FRONT OF STAGE

STAGE LEFT

STAGE RIGHT

BACK OF STAGE

* Tube may be curved to a minimum radius of 20’.