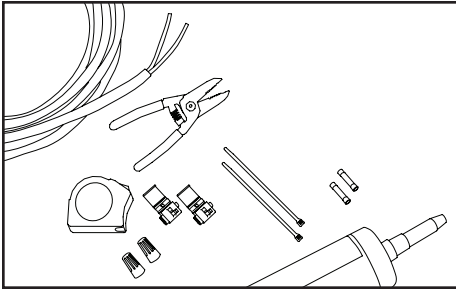


# BendLUX

## Installation Guide for 701960-6WS241

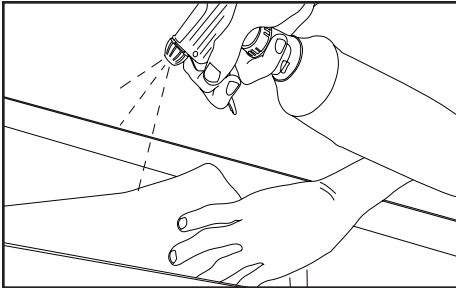


### Tools and supplies:

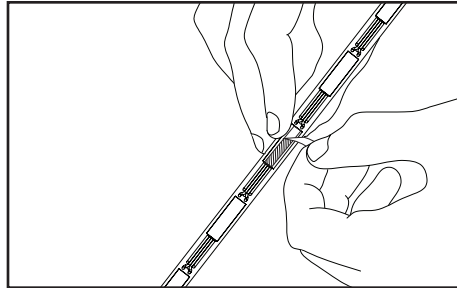
*Required:* Measuring tape, wire strippers, PLTC cable, wire nuts, IDC connectors or butt splices, and cable ties.

*Optional:* Dow Corning® 737 or equivalent Principal Sloan approved neutral cure sealant.

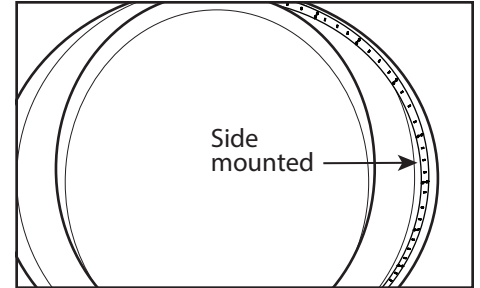
**Note:** Modules must be mounted in an enclosed sign cabinet/box. This product is not suitable for immersion or direct exposure to water for extended periods of time.



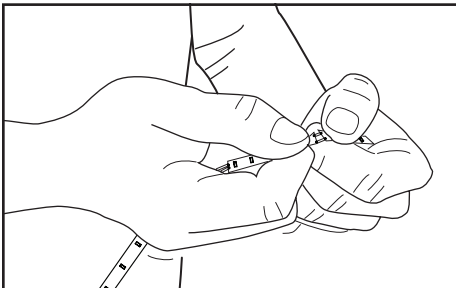
**1. Clean surface:** Clean inside channel letter or mounting track (Principal Sloan recommends minimum 0.32" depth and 0.1875" width) with rubbing alcohol and allow to dry.



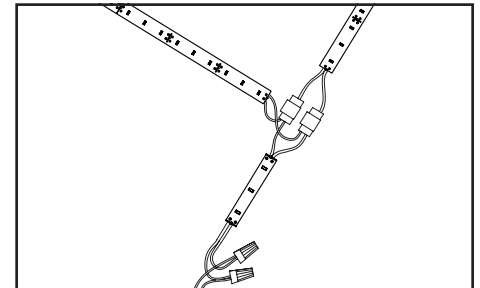
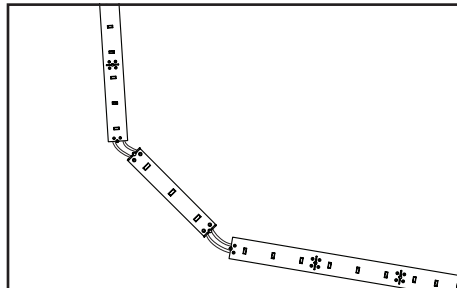
**2. Peel and stick:** Using predetermined layout, remove tape backing and stick strip in place. Ensure strip is firmly attached. **NOTE:** If installing in a narrow channel, tape may be unnecessary. Other means of securing strip (sealant, vinyl, etc.) are also acceptable.



**CAUTION:** Avoid pressing down directly on top of LEDs or circuit components and use caution to not damage LEDs or circuit components in tight bends around sharp corners. The minimum radial bend radius is 1". **ATTENTION:** Évitez d'appuyer directement sur les DEL ou les composants du circuit et veillez à ne pas endommager les DEL ou les composants du circuit dans les virages serrés autour des angles aigus. Le rayon de courbure radial minimal est de 1".



**Optional snapped/cut sections:** BendLUX can be snapped or cut into several sections to facilitate flat bends and very tight radial bends. Sections may be cut or snapped on the black lines with "BREAK HERE" markings. To snap, lightly pinch on either side of a break location as indicated by a hole, black line, and "BREAK HERE" marking, using caution to not damage the adjacent LEDs and circuit components. Bend approximately 90° once in each direction. To cut, move wires away from the cut line. Using a pair of scissors or shears, carefully cut along the black line. Cut only the printed circuit board, being careful to not cut the wires.

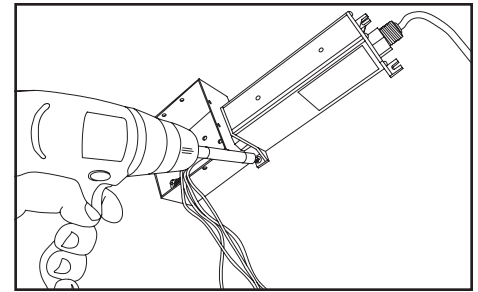
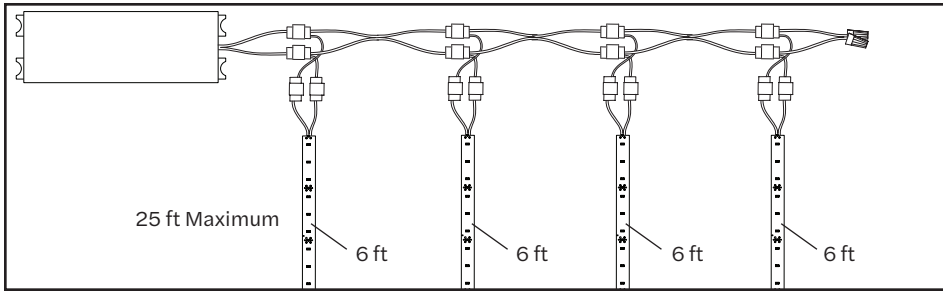


**3. Connections:** Sections may be connected in series or parallel. The string of BendLUX should not be connected to create a closed circuit. Cap all unused, exposed wire ends. **NOTE:** To avoid significant line loss, do not use more than 6 ft in series.

**WARNING:** Check polarity. All connections must be RED-TO-RED (+) and BLACK-TO-BLACK (-). Reverse polarity connections may damage the LEDs and will void product warranty. **AVERTISSEMENT:** Vérifiez la polarité. Toutes les connexions doivent être ROUGE-ROUGE (+) et NOIR-NOIR (-). Des connexions inversées peuvent endommager les DEL et annuler la garantie du produit.

# BendLUX

## Installation Guide for 701960-6WS241



**NOTE:** To avoid significant line loss, do not use more than 6 ft in series.

4. **Connect power supply:** See Power Supply Installation Guide for more information regarding power supply installation.

### 12 VDC Power Supply Capacity Chart

Power output	Maximum feet
20 W	8
60 W	25
2 × 60 W	2 × 25
Power used per ft in watts	2.1 W

Capacities based on 90% of power supply output.

\* Cannot be used due to power supply output current exceeding maximum wire and/or connector ampacity.

### Troubleshooting

**NOTE:** A licensed electrician should perform all applicable steps.

<b>Entire BendLUX leg does not light after complete installation.</b>	Check connection from power supply lead to first section of BendLUX. Make sure polarity of connections made at power supply lead, any jumper wire, and at first section are correct. All connections must be RED-to-RED and BLACK-to-BLACK.
<b>Still does not light.</b>	Disconnect BendLUX from power supply. Check output voltage of power supply using a multimeter. The output voltage should be 12.0 VDC ± 0.5 VDC. If there is no output voltage, have a licensed electrician check input voltage. Make sure power supply is connected correctly and getting primary power. If power supply is connected properly and getting primary power and there is still no output voltage, replace power supply.
<b>Still does not light.</b>	If power supply is getting primary power, has the correct output, and no sections light, there may be a short in the secondary wiring. Check all connections and cap all loose wires.
<b>The beginning of a leg lights, but entire leg does not light or lights intermittently.</b>	The primary cause of a portion of a BendLUX leg not lighting or lighting intermittently is a bad connection or reverse polarity connection between sections that light and sections that don't light. Check this connection.
<b>An entire power supply leg of BendLUX is dim.</b>	Ensure maximum number of feet has not been exceeded (see above 12 VDC Power Supply Capacity Chart). Check secondary voltage. If voltage is below 11.5 VDC, power supply leg may be overloaded.
<b>One segment does not light, but all others in the leg light.</b>	BendLUX is designed so if one segment fails, it will not cause the entire leg to go out. If one segment does not light, but all others in the leg do, replace the entire section with a new one.



BendLUX is covered by patents pending.

#### Customer service and technical support

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