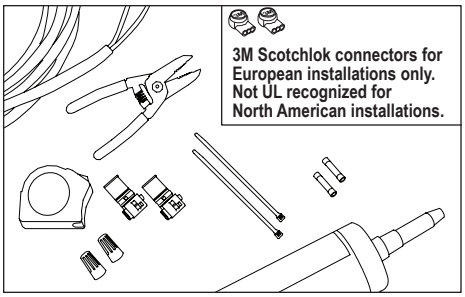
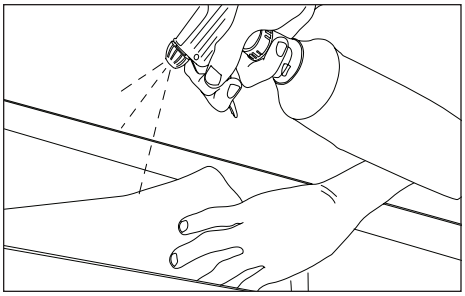
BendLUX

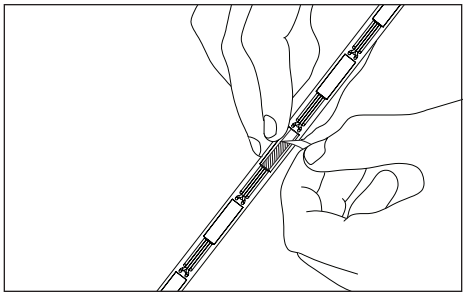
Installation Guide for 701960-6WS241

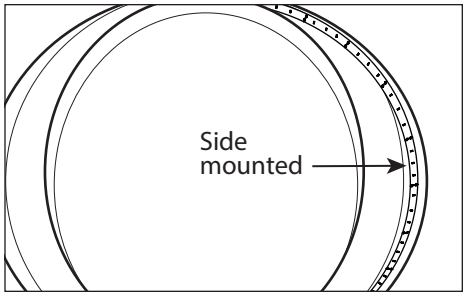


Tools and supplies: *Required:* Measuring tape, wire strippers, PLTC cable, wire nuts, IDC connectors or butt splices, and cable ties. *Optional:* Dow Corning® 737 or equivalent SloanLED approved neutral cure sealant.
NOTE: 3M™ Scotchlok™ connectors for European installations only.



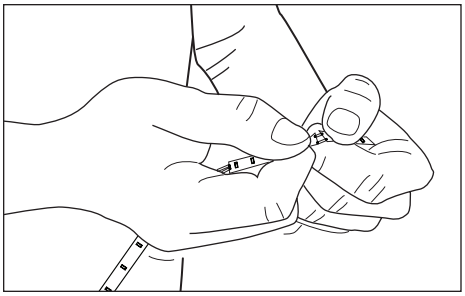
1. **Clean surface:** Clean inside channel letter or mounting track (SloanLED recommends minimum 0.32 in (8 mm) depth and 0.1875 in (5 mm) width) with rubbing alcohol and allow to dry.

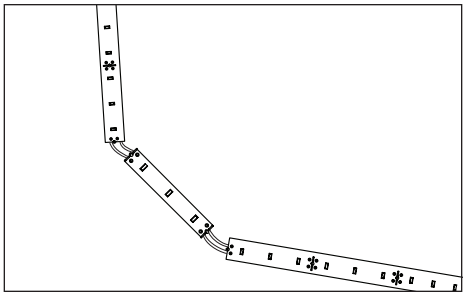




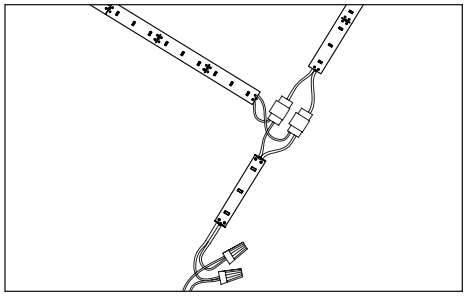
2. **Peel and stick:** Using predetermined layout, remove tape backing and stick strip in place. Ensure strip is firmly attached.
NOTE: If installing in a narrow channel, tape may be unnecessary. Other means of securing strip (sealant, vinyl, etc.) are also acceptable.

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 in (25 mm).





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 (1,83 m) 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.

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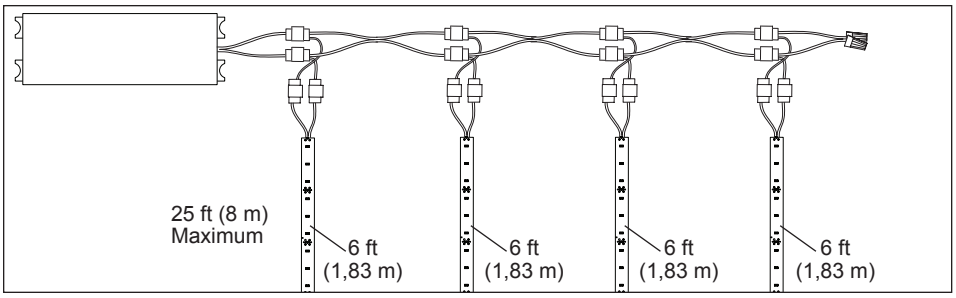

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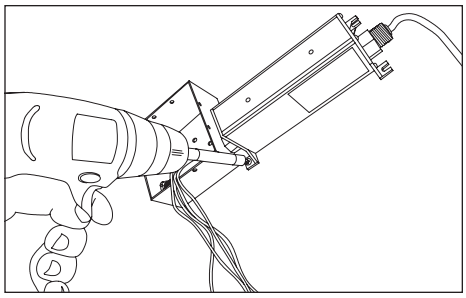

4. **Connect power supply:** See Power Supply Installation Guide for more information regarding power supply installation.

12 VDC Power Supply Capacity Chart

		Input		Output		
Power supply	**Part number**	**Nominal input voltage**	**Input current**	**Power output**	**Output current**	**Maximum feet (meters)**
Self-Contained 20	701680	100-240 V	0.3 A	20 W	1.5 A	8 (2.5)
60C1 60 W	701507-60C1	100-277 V	0.7 A	60 W	4.5 A	25 (8)
MODW 60 W (North America) / MODWE 60 W (Europe)	701507-MODW / 701507-MODWE	100-240 V	1.0 A			
MOD277 60 W	701507-MOD277	277-347 V	0.5 A			
Power used per foot (meter) in watts: 2.1 (6,8)						

Troubleshooting

NOTE: A licensed electrician should perform all applicable steps.	
Entire BendLUX leg does not light after complete installation.	Check connection from power supply lead to first section of BendLUX. Make sure polarity of connections made at the power supply lead, any jumper wire, and at the first section are correct. All connections must be RED-to-RED and BLACK-to-BLACK.
Still does not light.	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.
Still does not light.	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.
The beginning of a leg lights, but the entire leg does not light or lights intermittently.	The primary cause of a portion of a BendLUX leg not lighting or lighting intermittently is a bad connection or reverse polarity connection between the sections that light and the sections that don't light. Check this connection.
An entire power supply leg of BendLUX is dim.	Ensure maximum number of feet (meters) 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.
One segment does not light, but all others in the leg light.	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.

UL file number: E215393

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P/N 401251 Rev C 2015-09-29