



# LED Flex Neon Layout Instructions

***Please read these instructions entirely before starting installation.***



UL File #E126962

Note: Field cutting effectively invalidates UL unless performed by a UL authorized, licensed technician.

Materials	Tools / Materials Required
LED NEON FLEX Mounting Bracket End Cap Male Connector Pin Shrink Tube Splice Connector Kit 90 Inside corner Connector 90 Outside corner Connector Line Voltage 180 Power Cord Line Voltage 90 Power Cord	Chop Saw (designed to cut PVC and aluminum) Screw gun Wire strippers for 22 and 16 gauge wire Pliers Measuring tape. Wire cutter Crimping pliers Silicone (not included)

## **Read and follow all safety instructions below:**

1. Do not cover LED NEON FLEX as the covering may cause it to overheat, melt, and even ignite.
2. Do not run LED NEON FLEX when it is tightly coiled. Maintain half inch spacing between parts of it.
3. Do not puncture, cut, shorten or slice LED NEON FLEX.
4. Do not route LED NEON FLEX through walls, doors, windows or building structures.
5. Do not roll out LED NEON FLEX on rough surfaces or over sharp corners.
6. Do not use LED NEON FLEX if damaged, such as; broken outer jacket, loose connections, or frayed wire insulation. Inspect it periodically.
7. Do not submerge LED NEON FLEX in liquid, or apply it near standing water or other liquids.
8. Do not secure LED NEON FLEX with staples, nails, or other means that might damage the insulation. Secure it by using the channels provided.
9. Do not install LED NEON FLEX on places where it is subject to continuous flexing.
10. Do not mount LED NEON FLEX inside cabinets, tanks, or enclosures of any kind.
11. Do not run LED NEON FLEX at operation temperature exceeding 65°C or 149°F.
12. Do not replace the attached polarized plug which contains a safety fuse (120V, 5A).
13. Use only standard outdoor extension cords, such as SW, STW, STOW, SJW, SJOW, SJTW and so on.
14. Ground Fault Circuit Interrupter (GFCI) protection should be provided on circuits or outlets when LED NEON FLEX is used for outdoor applications.
15. Surge protector must be set up for electrical power system to avoid damaging LED NEON FLEX lighting system.

**Warning: When using LED NEON FLEX for any applications, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injuries.**

This fixture must be installed by a qualified electrician. We are not responsible if the fixtures are not installed according to local safety standards. Please leave a copy of these instructions for the person responsible for the maintenance of the installation.



Take Three, Inc.

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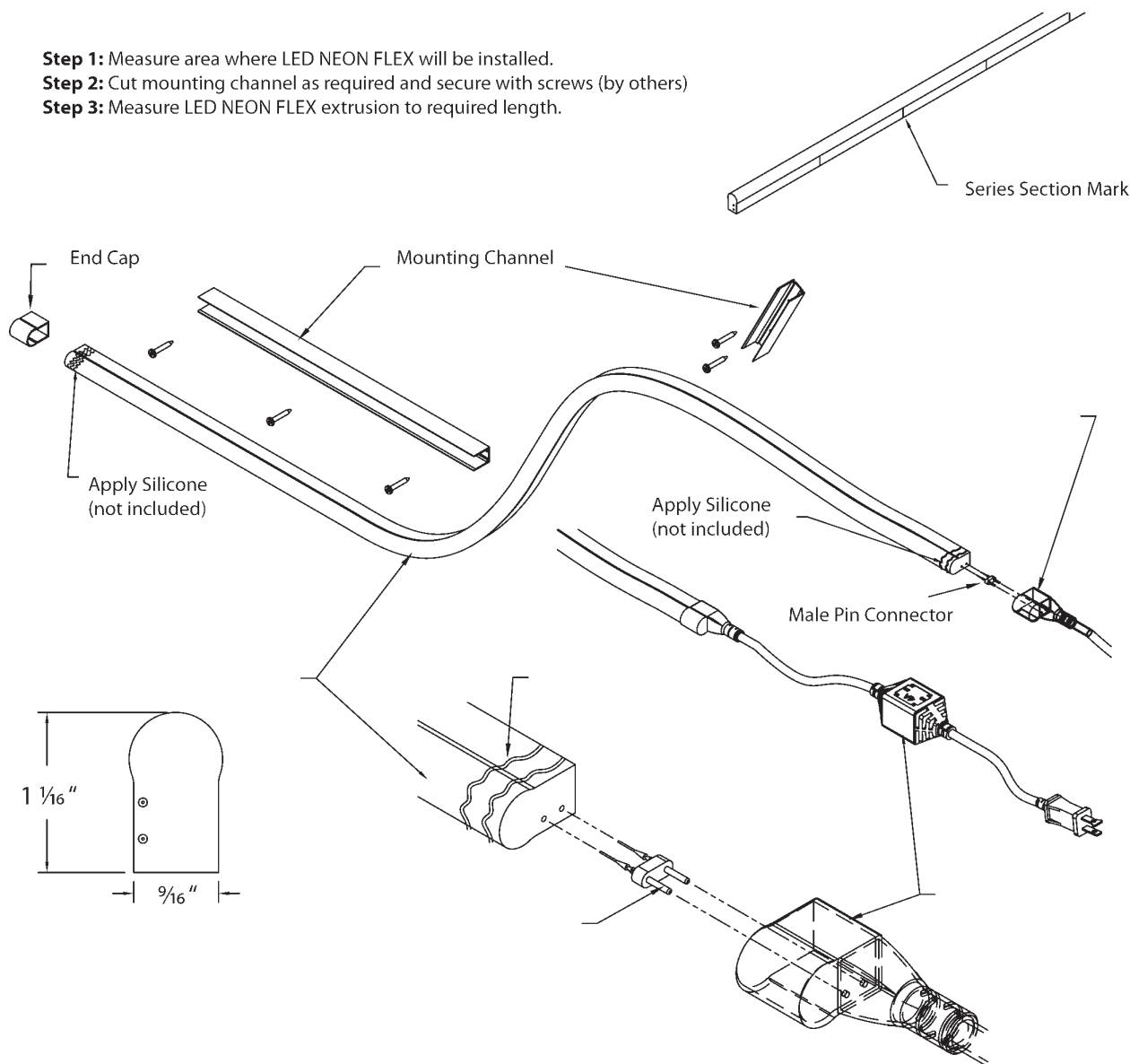
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- Step 1:** Measure area where LED NEON FLEX will be installed.  
**Step 2:** Cut mounting channel as required and secure with screws (by others)  
**Step 3:** Measure LED NEON FLEX extrusion to required length.



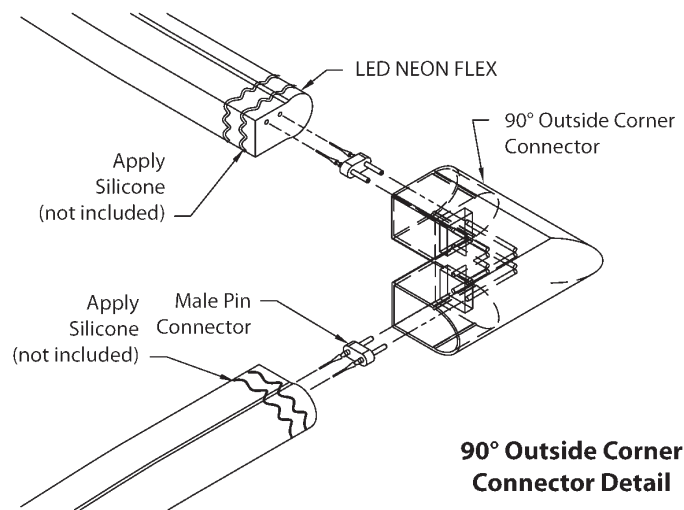
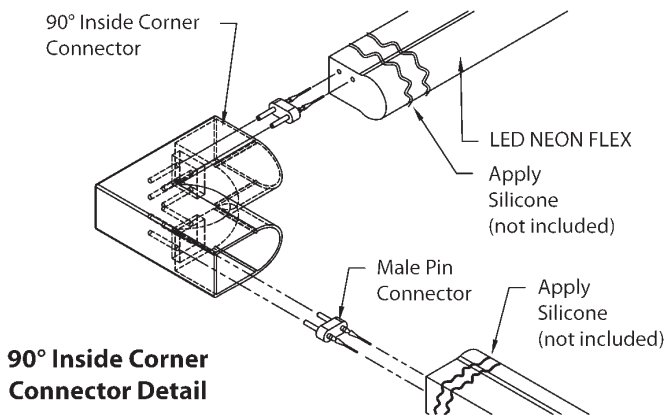
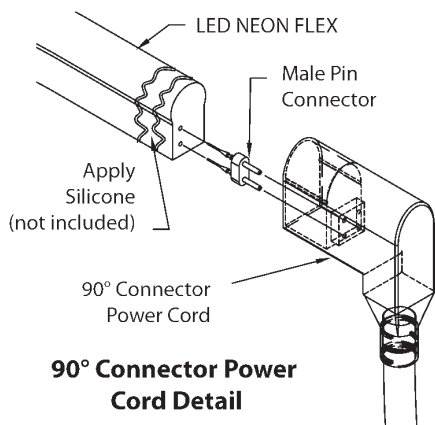
- Step 4:** Turn power off.  
**Step 5:** Electrical connections: At beginning of run, place Male Pin Connector into LED NEON FLEX, as shown.  
**Step 6:** Apply small amount of silicone on outside of each end of the LED NEON FLEX extrusion. Be sure not to place any silicone on connector pin. Align the other end of the connector into the cord, as shown.  
**Step 7:** At the dead end, be sure to apply a small amount of silicone and place end cap.  
**Step 8:** Connect directly to line voltage, then turn power on to check connection.



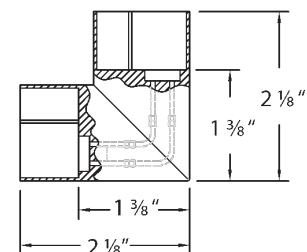
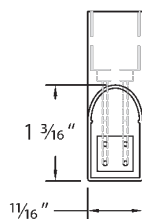
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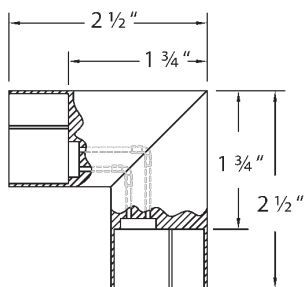
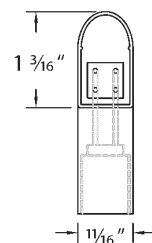
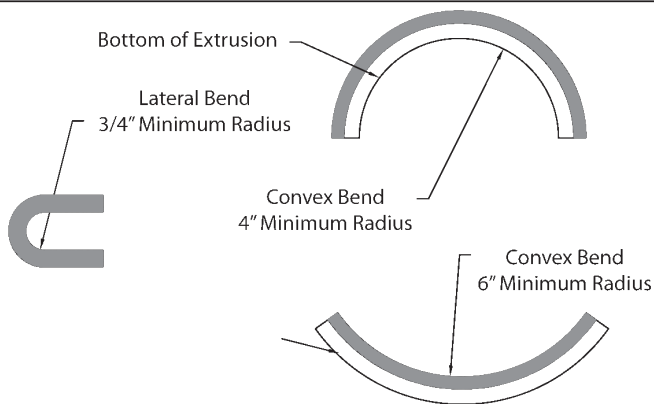
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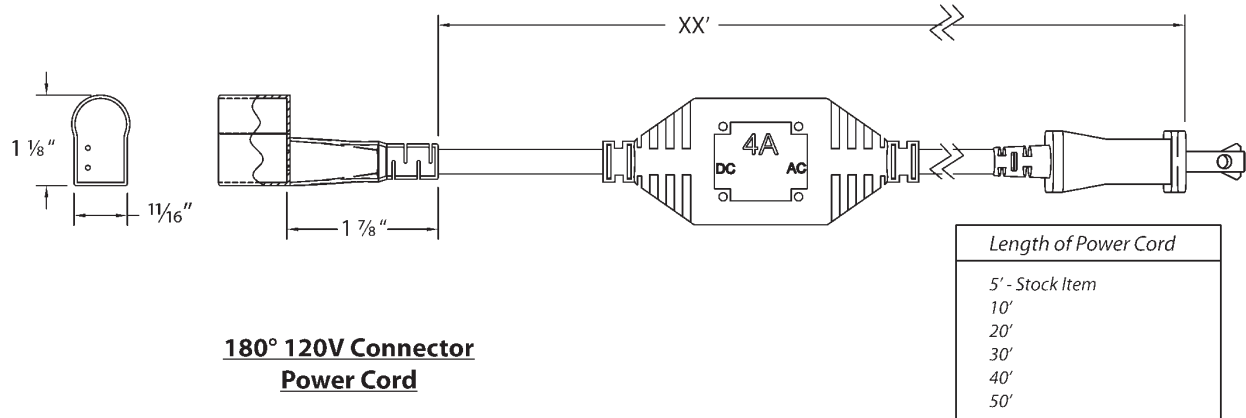


**90° Inside Corner Connector**

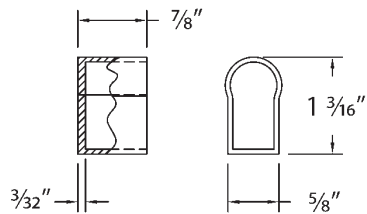


**90° Outside Corner Connector**

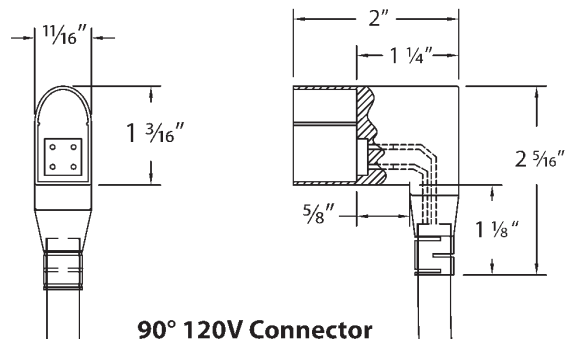
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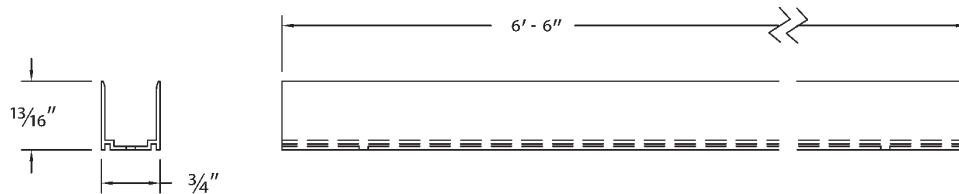
**180° 120V Connector  
Power Cord**



**End Cap**



**90° 120V Connector  
Power Cord**



**Mounting Channel**