PURE EDGE
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Installation Instructions for **Flex Neon LRF5 24VDC Outdoor Wet Location**
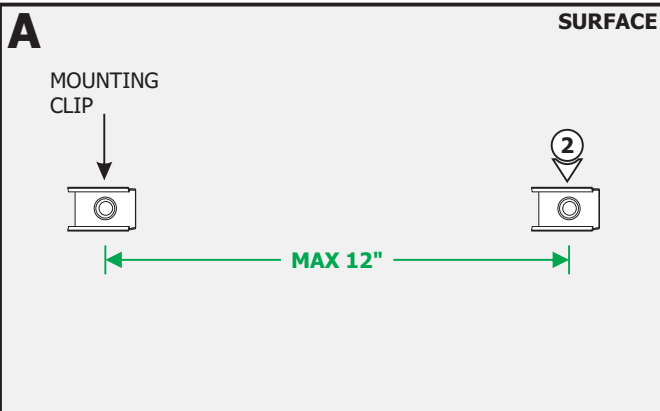
FN-LRF5-___

IMPORTANT INFORMATION
- This instruction shows a typical installation.
- The Outdoor Flex Neon is an IP67 rated wet location fixture featuring water tight barrel connections.
- This product bends right to left or left to right.

SAVE THESE INSTRUCTIONS!

Top (T)   Bottom (B)   End (E)

End Cap (CA)

Left (L)   Right (R)
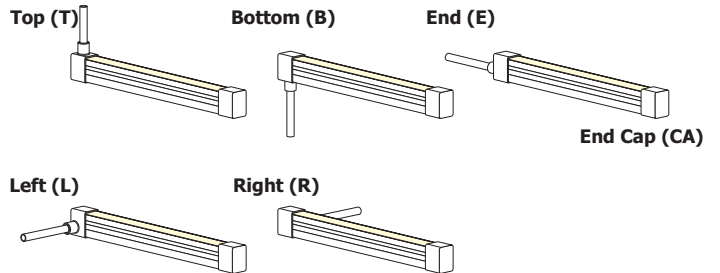
Section One: Install the Flex Neon

A
SURFACE

MOUNTING CLIP

②

◄ MAX 12" ►

**NOTE:** Omit this Section if using the Flexible Aluminum Channel. Refer to Section Three.

1: Determine the location for the Flex Neon.

2: Mark the location of the mounting clips. Mounting clips must be maximum 12" apart from each other (measure from the center of the mounting clip).

B

③

③ ◄ SCREW

MOUNTING CLIP ►
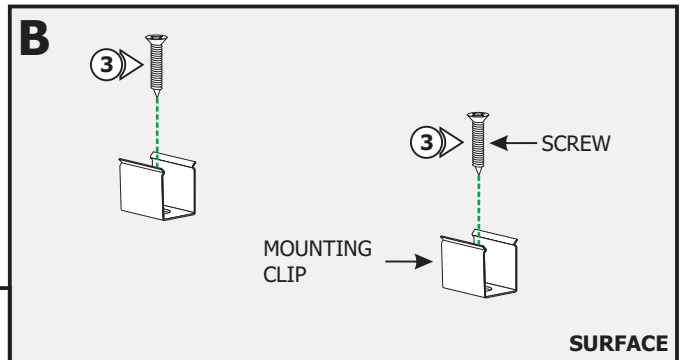
SURFACE

3: Secure the mounting clips to a wood surface by tightening the screws to each clip.

C

FLEX NEON ►   ◄④

LEFT   RIGHT
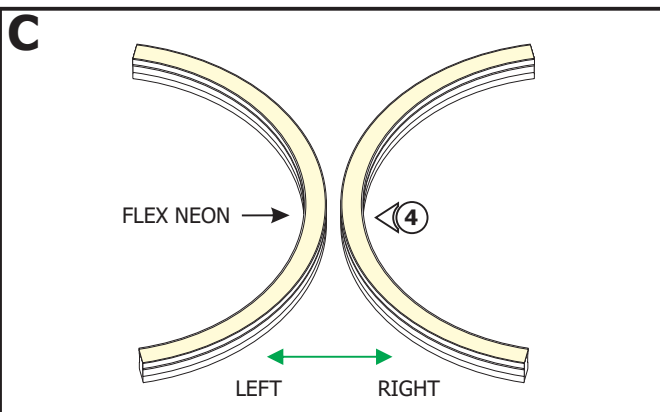
4: If necessary, bend the Flex Neon **ONLY** right to left or left to right.

D

FLEX NEON
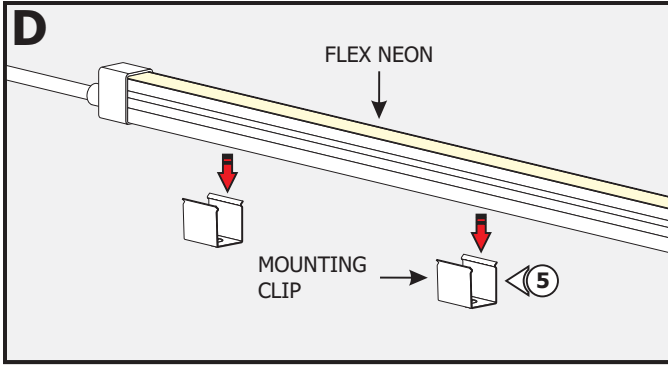
MOUNTING CLIP → (5)

5: Insert the Flex Neon into each mounting clip.

Section Two: Connect to Power

E

FEMALE BARREL CONNECTOR

FLEX NEON

(2)

(3)

MALE BARREL CONNECTOR

WET LOCATION JUNCTION BOX
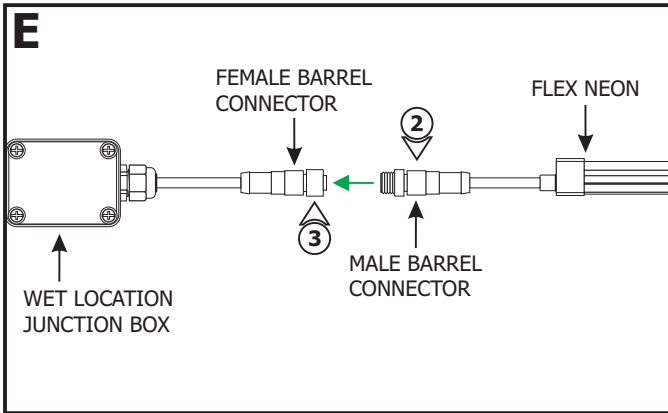
NOTE: Outdoor electrical connections must be made inside a waterproof junction box or using waterproof wire nut connections.

NOTE: Steps 1 through 3 are for the Wet Location Junction Box with Power Cable.
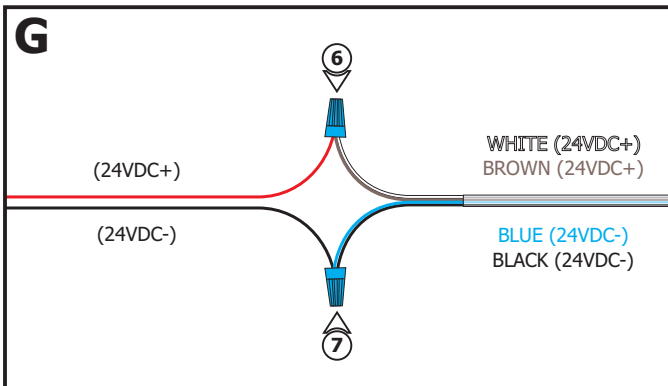
1: Refer to the instructions provided with the wet location junction box to connect to the power supply.

2: Align and push the male barrel connector of the Flex Neon into the female barrel connector going to the power supply.

3: Twist the connector nut to lock in place.

F

CUT

(4)

(5)
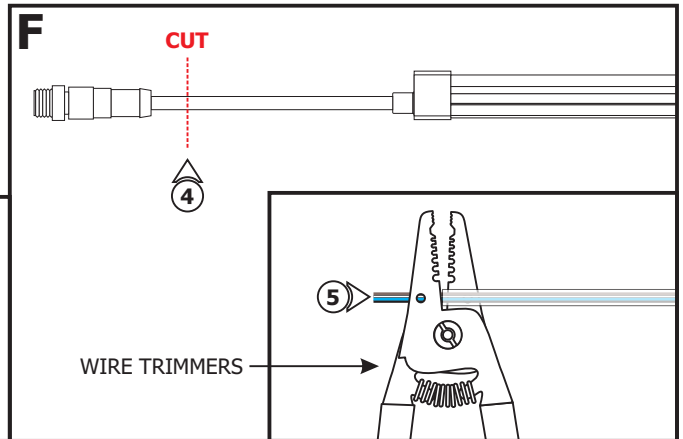
WIRE TRIMMERS

NOTE: Omit steps 4 through 7 if using wet location junction box.

**4:** Cut the end of the power cord that is going to be connected to power and discard the unused connector.

5: Use AWG wire trimmers to remove the outer insulation from wire harness where electrical connection will be made.

G

(6)

(24VDC+)

WHITE (24VDC+)
BROWN (24VDC+)

(24VDC-)

BLUE (24VDC-)
BLACK (24VDC-)

(7)

6: Connect the white and brown wires of the power cable to the +24VDC wire of the power supply using a wire nut.

7: Connect the blue and black wires of the power cable to the -24VDC wire of the power supply using a wire nut.

8: Refer to the wiring diagram on page 5 and the instructions provided with the power supply to complete the installation.

H

FLEX NEON   FEMALE BARREL CONNECTOR

⑨

FLEX NEON
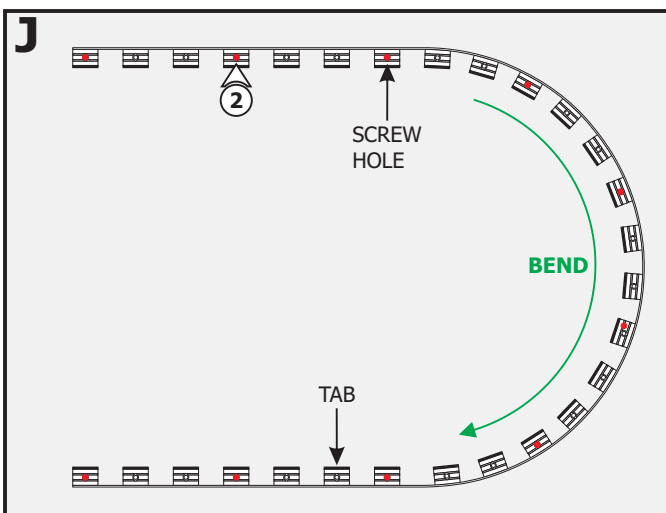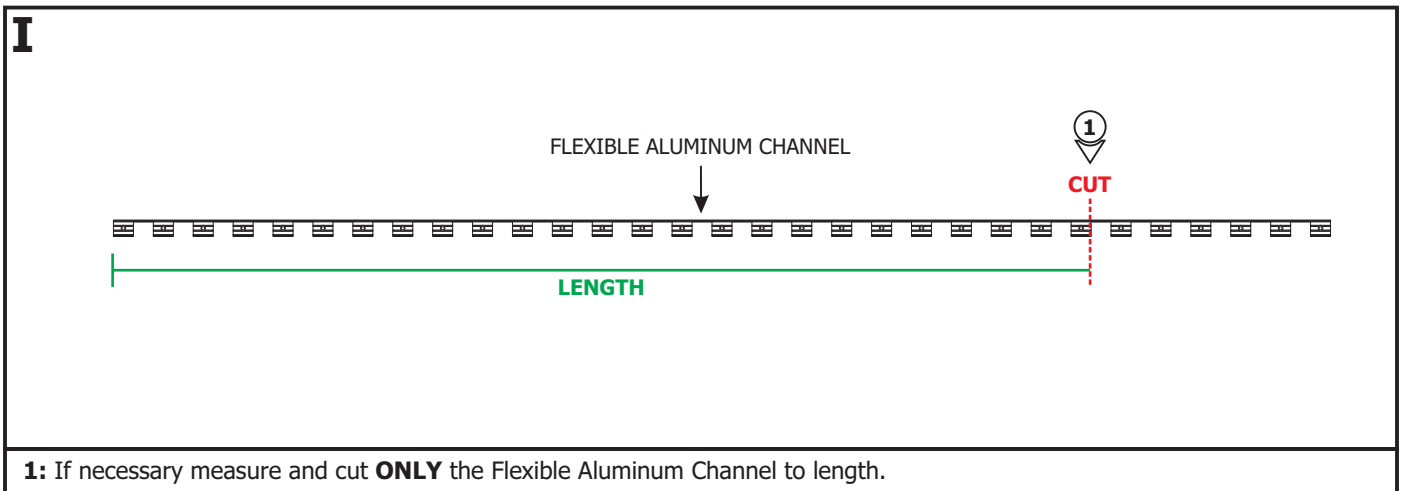
⑩

MALE BARREL CONNECTOR
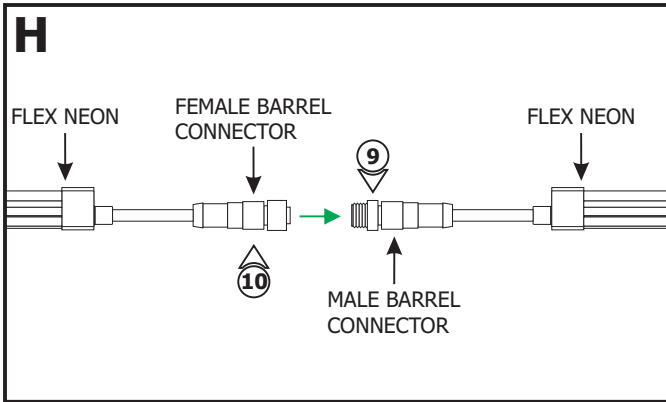
9: To connect additional Flex Neon, align and push the female barrel connector of one Flex Neon into the male barrel connector of the next one.

**10:** Twist the connector nut to lock in place. Repeat for any additional sections.

NOTE: Ensure that additional Flex Neon are properly supported and powered.

Section Three: Install the Flex Neon with Flexible Aluminum Channel

I

FLEXIBLE ALUMINUM CHANNEL

①

CUT

LENGTH

1: If necessary measure and cut **ONLY** the Flexible Aluminum Channel to length.

J

②

SCREW HOLE

BEND

TAB

2: Determine the location of the Flexible Aluminum Channel and mark every fourth tab screw holes.
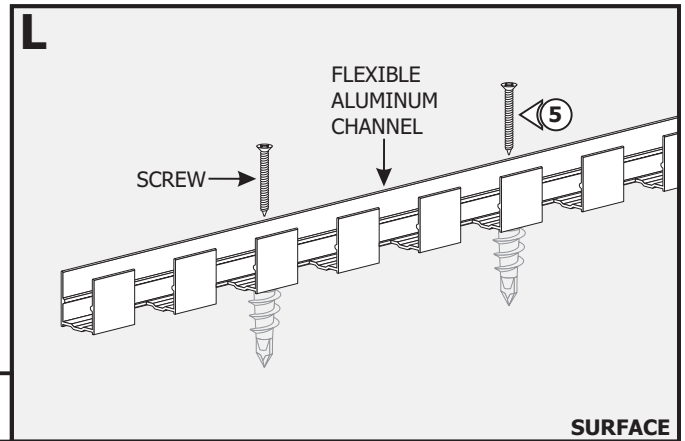
NOTE: The Flexible Aluminum channel bends in both directions. For simple curves or circles, it is recommended to bend the channel toward the tabs.

K

ANCHOR →

SURFACE

ANCHOR MUST
BE FLUSH TO
THE SURFACE

③

④
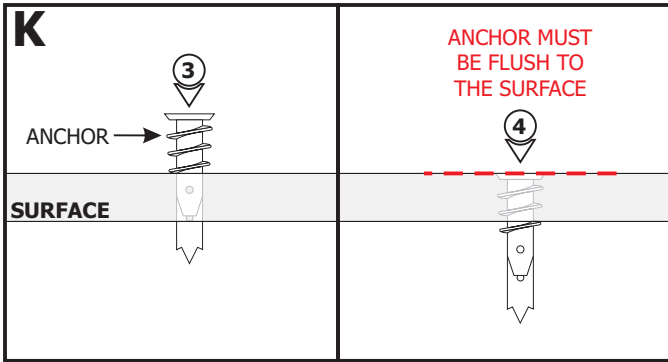
NOTE: Step 3 and 4 are for drywall mounting. Omit these steps if mounting to a wood surface directly.

3: Anchors are not provided. Tap the anchors onto the marked points up to the threaded portion with a hammer.

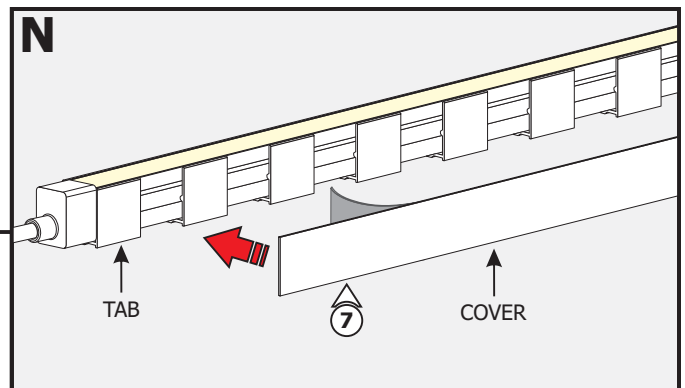**4:** Screw in the threaded portion of the anchors with a Phillips screwdriver.

L

FLEXIBLE
ALUMINUM
CHANNEL

SCREW →

⑤

SURFACE

5: Secure the Flexible Aluminum Channel to the anchors using screws.

M

FLEX NEON

FLEXIBLE
ALUMINUM
CHANNEL

⑥
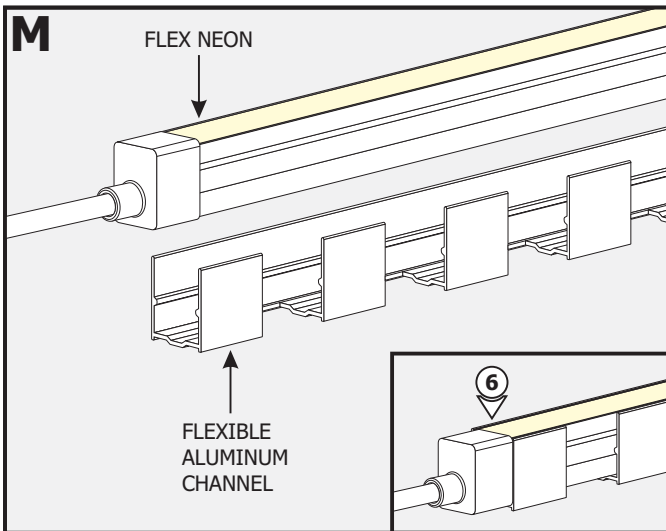
6: Carefully push the Flex Neon completely inside the Flexible Aluminum Channel, leaving the end cap outside of the channel.

N

TAB

⑦

COVER

7: Remove the backing from the channel cover. Firmly press down on the Flexible Aluminum Channel tabs while removing the rest of the backing.

8: Refer to Section Two to connect to power.

4

General Wiring Diagram

WET LOCATION CABLE CONNECTOR

SILICONE SLEEVE

WET LOCATION BARREL CONNECTOR

OUTDOOR 24VDC LED FLEX NEON

WET LOCATION JUNCTION BOX

WET LOCATION BARREL CONNECTOR

END CAP

OUTDOOR 24VDC LED FLEX NEON

POWER CABLE

+24V BROWN
+24V WHITE
-24V BLACK
-24V BLUE

+24V
-24V

24V OUTPUT

0-10V DIMMING

24V Output

UNI STATIC WHITE POWER SUPPLY

120-277VAC INPUT
TRIAC OR ELV DIM

WET RATED OUTDOOR POWER SUPPLY ENCLOSURE