

# FLEX DC® NEON INSTALLATION GUIDE

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## *Installation with Channel or Mounting Clips*



*Please read entire guide prior to starting installation.*

## NOTES

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1. Installation must be carried out by a licensed electrician & executed in accordance with local codes.
2. The installing contractor assumes all liability for the safety and code compliance of the installation.
3. Optic Arts is not liable for any damages caused by improper wiring, driver overloading, driver underloading, power surges, poor system design or layout, negligence or other conditions.
4. Section 1 and 2 are for Configuration 1 only. If Configuration 2 is used, start at Section 3.



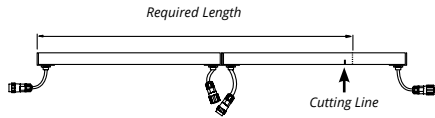
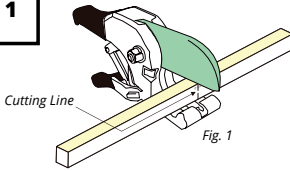
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# FLEX DC® NEON INSTALLATION GUIDE

## NEON TOP Pre-Installation \*See Pages 5-8 for SIDE

### Section 1



- 1.1 If Field Trimming Endcap was provided, butt runs together and measure run required for installation.
- 1.2 Find the Cutting Line closest to the desired length.
- 1.3 Use a sharp razor, flat knife, PVC pipe cutter, or similar tool (supplied by others) to cut FLEX DC® NEON on desired Cutting Line.



#### OPTIC ARTS PRO TIP:

Make sure to cut FLEX DC® NEON TOP with the light emitting side facing up towards the blade. Refer to Fig. 1 for cutting direction.

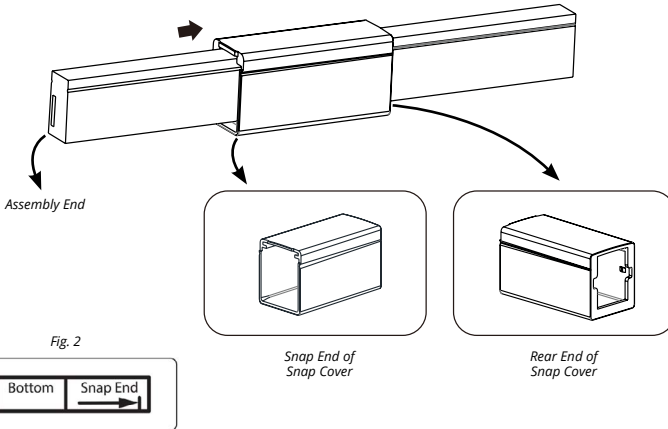


Fig. 2

- 1.4 When placing snap cover, be sure to pay attention to the direction marked on the bottom. The snap end of the cover points towards the assembly end.

Fig. 2: Directions printed on the under side of the snap cover.

# FLEX DC® NEON INSTALLATION GUIDE

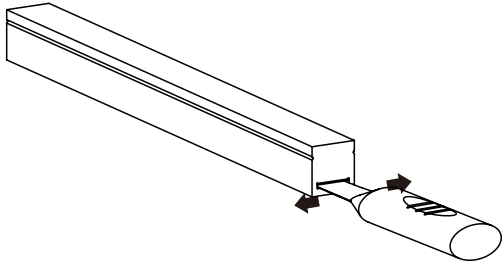
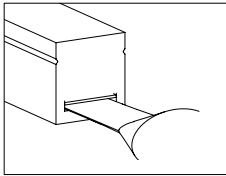
## Configuration 1

### Section 1

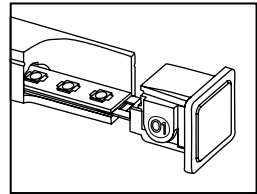
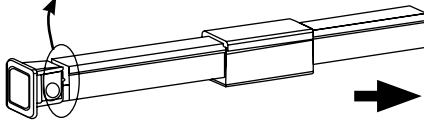
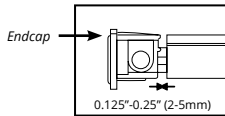
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### TOP

\*See Pages 5-8 for SIDE



- 1.5** Insert the supplied expanding tool behind the PCB. Move the tool side to side 3 to 5 times gently to create a small gap. NEVER insert the expanding tool into the front side (LED side) of the PCB.



- 1.6** Carefully insert the pins of the Endcap into the gap you created behind the PCB. There should be a space of 0.125" to 0.25" (2-5mm) between the Endcap and the light fixture when properly installed.

DO NOT insert the pins into the front side of the PCB. DO NOT split the pins around the PCB.

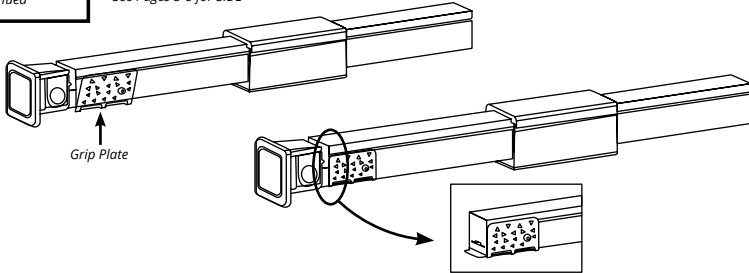
# FLEX DC® NEON INSTALLATION GUIDE

Configuration 1

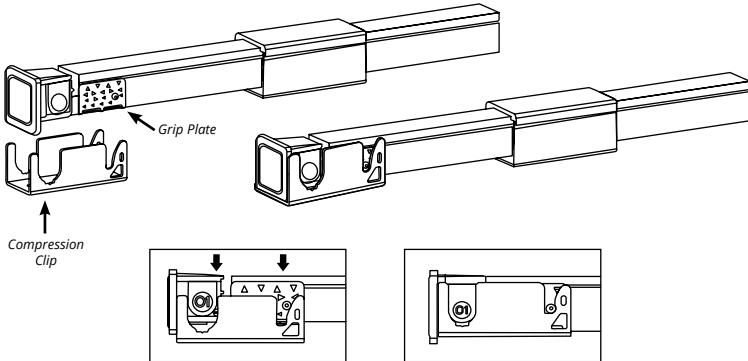
## Section 1 TOP

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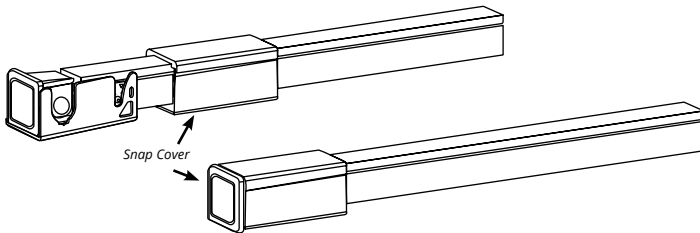
\*See Pages 5-8 for SIDE



- 1.7** Place the Grip Plate onto the assembly end of the light. Make sure it is facing the correct way with the extending metal tab sticking out from the assembly end and the side edges flush with the cut edge of the fixture. Make sure the Grip Plate is snug to the fixture.



- 1.8** Apply even pressure to the Endcap and light fixture, pressing them into the Compression Clips until they are sitting flush along the bottom of the clip with no gaps. This will pull the fixture tight to the Endcap.

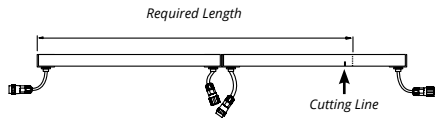
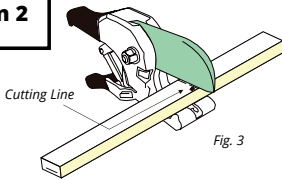


- 1.9** Slide the Snap Cover back towards the Endcap until you hear it snap into place. Power your fixture to ensure that it is working properly.

# FLEX DC® NEON INSTALLATION GUIDE

## NEON SIDE Pre-Installation

### Section 2

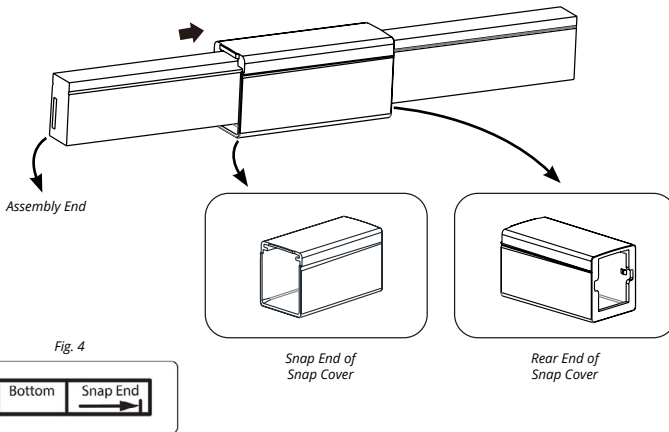


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#### OPTIC ARTS PRO TIP:

Make sure to cut FLEX NEON® SIDE with the light emitting side facing away from the blade. Refer to Fig. 3 for cutting direction.



- 1.4 When placing snap cover, be sure to pay attention to the direction marked on the bottom. The snap end of the cover points towards the assembly end.

Fig. 4: Directions printed on the under side of the snap cover.

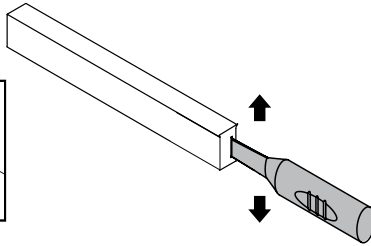
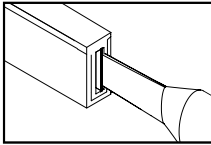
# FLEX DC® NEON INSTALLATION GUIDE

Configuration 1

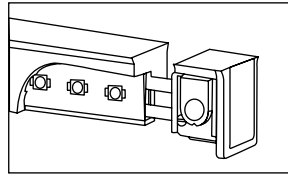
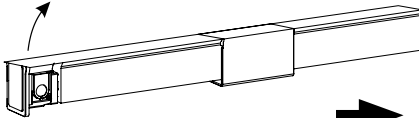
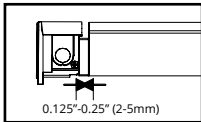
## Section 2

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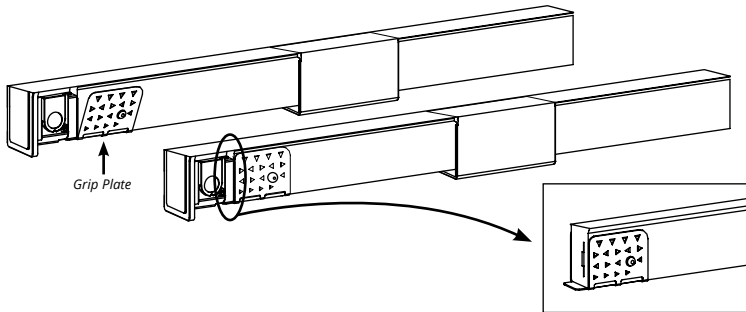
### SIDE



- 1.5** Insert the supplied expanding tool behind the PCB. Move the tool up and down 3 to 5 times gently to create a small gap. NEVER insert the expanding tool into the front side (LED side) of the PCB.



- 1.6** Carefully insert the pins of the Endcap into the gap you created behind the PCB. There should be a space of 0.125" to 0.25" (2-5mm) between the Endcap and the light fixture when properly installed. DO NOT insert the pins into the front side of the PCB. DO NOT split the pins around the PCB.



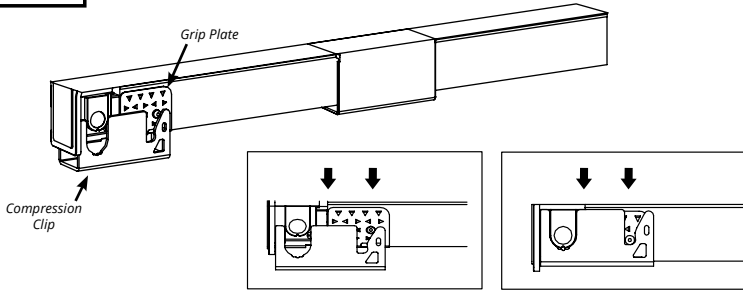
- 1.7** Place the Grip Plate onto the assembly end of the light. Make sure it is facing the correct way with the extending metal tab sticking out from the assembly end and the side edges flush with the cut edge of the fixture. Make sure the Grip Plate is snug to the fixture.

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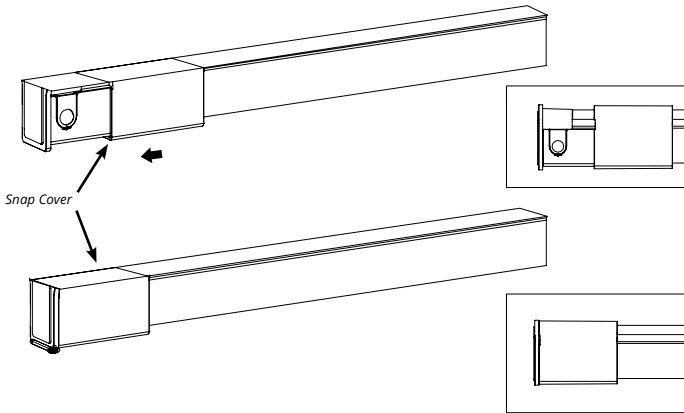
Configuration 1

## Section 2 Continued

SIDE



- 1.8** Apply even pressure to the Endcap and light fixture, pressing them into the Compression Clips until they are sitting flush along the bottom of the clip with no gaps. This will pull the fixture tight to the Endcap. Slide the Snap Cover back towards the Endcap until you hear it snap into place.

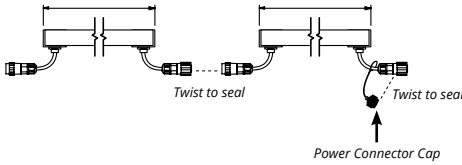


- 1.9** Slide the Snap Cover back towards the Endcap until you hear it snap into place.  
Power your fixture to ensure that it is working properly.

# FLEX DC® NEON INSTALLATION GUIDE

## Configuration 1

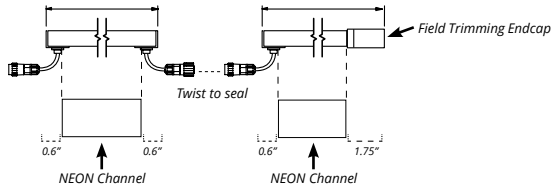
### Section 3



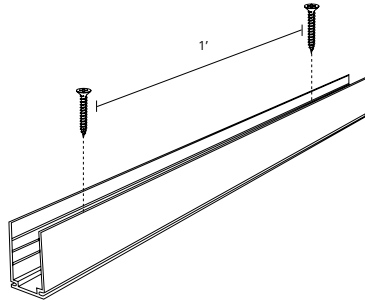
MAX RUN LENGTH	SIDE	TOP
White	24.87'	25'
Green		
Blue		
RGB	22.98'	22.96'
Red		
Amber	43.46'	43.70'

- 1.1 Connect multiple runs together if needed.
- 1.2 If last run has open Power Feed Connector, slip retaining ring of the Power Connector Cap over Power Feed Connector and seal by twisting the Power Connector Cap onto the Power Feed Connector.

### Section 4



- 1.1 If using mounting channel, cut channel to fit run of FLEX DC® NEON. 0.6" must be deducted from the total run length for each Power Feed Connector. 1.75" must be deducted from the total run length for each Field Trimming Endcap.



- 1.2 Install by screwing through the channel and onto mounting surface.
- 1.3 If FLEX DC® NEON is installed onto a flat surface, drill hole to recess the Power Feed Connector. Then push FLEX DC® NEON into channel, starting at one end and working your way down.

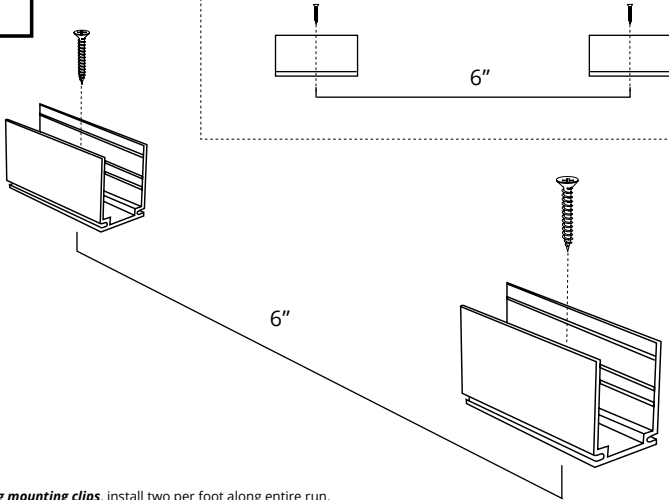


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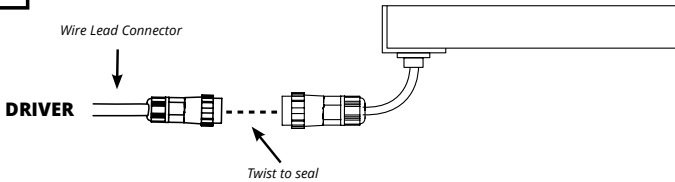
Configuration 1

## Section 4

Continued



## Section 5



**SEE RELEVANT DRIVER WIRING DIAGRAM FOR WIRING INSTRUCTIONS.**