

**Important: Read all instructions prior to installation.**

## Side-Bending LED Neon Strip Light

### Included Parts

- 1 - Neon Strip Light
- 1 - End Cap<sup>1</sup> (NFSB-EC)
- 1 - Straight Power Cable with Female Screw Connector<sup>1</sup> (NFSB-TS30)
- 1 - Pigtail with Male Screw Connector (NFXB-PT30)

<sup>1</sup>Comes sealed and attached

### Optional Accessories

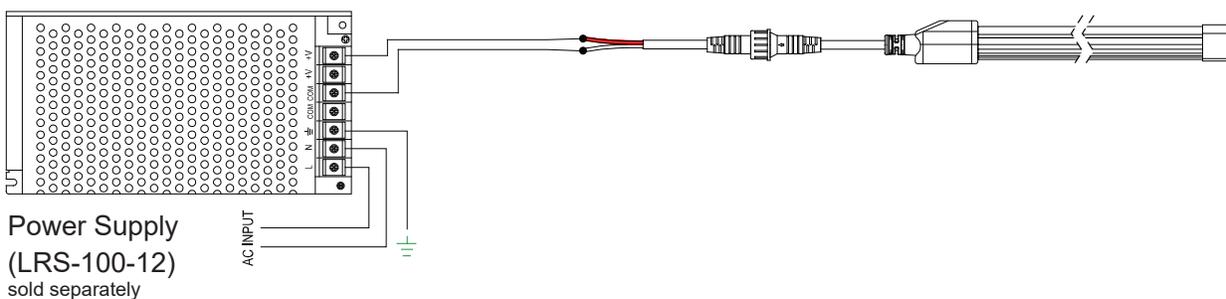
- NFSB-AC5 - Flexible Aluminum Channel
- NFSB-BJ1 - 1 ft Double 90° Interconnect Cable
- NFSB-BJ4 - 4 ft Double 90° Interconnect Cable
- NFSB-BJ8 - 8 ft Double 90° Interconnect Cable
- NFSB-TS30 - 1 ft Straight Power Cable (strip to screw connector)
- NFSB-ES30 - 1 ft 90° Side Power Cable (strip to screw connector)
- NFSB-BS30 - 1 ft 90° Bottom Power Cable (strip to screw connector)
- NFSB-C1 - 1 m Rigid Aluminum Channel Kit
- NFSB-CONN - Butt Connector
- NFSB-SJ1 - 1 ft Straight Interconnect Cable
- NFSB-SJ4 - 4 ft Straight Interconnect Cable
- NFSB-SJ8 - 8 ft Straight Interconnect Cable
- NFSB-UB - 2x Bottom Mount Bracket
- NFSB-UC - 2x Top Mount Bracket
- NFSB-EC - End Cap
- NFXB-PT30 - 1 ft Power Cable (screw connector to DC power)
- NFXB-SEAL10ML - 10 ml Weatherproof Sealant

### Specifications

NFSB-x5M		
Power Consumption (1 section)	R,G,B	27K, 40K, 65K
	45 W (2.74 W per ft)	70 W (4.27 W per ft)
Operating Voltage Range	24 VDC	
Length (1 section)	16.4 ft (5 m)	
Maximum Run	2 Sections	
Operating Temperature	-4° -113° F (-20° -45° C)	
IP Rating	IP65 <sup>2</sup>	
Weight (1 section, strip only)	2 lb 4 oz (1.02 kg)	

<sup>2</sup>When properly sealed using accessory sealant (NFXB-SEAL10ML)

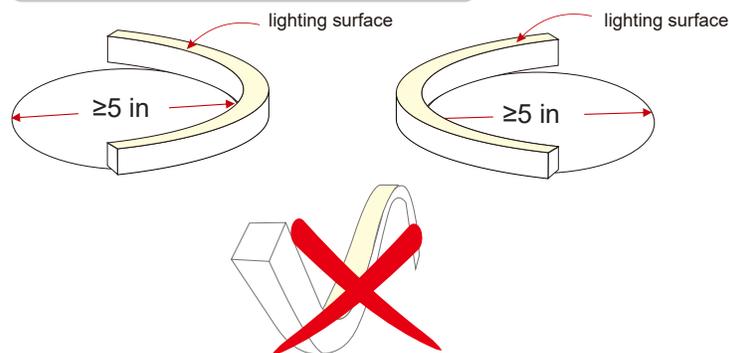
### Wiring Diagram



### Safety and Notes

- Product should be installed in accordance with applicable national, state, and local building and electrical codes.
- Do not attach with anything other than double-sided adhesive or associated accessory hardware.
- Do not mount on or near sharp objects which may damage insulation or in tight spaces where it may be pinched such as a door or window.
- Do not cover the light or allow the light to be in contact with material such as cloth which may pose a fire hazard.
- Do not operate the light when tightly coiled or in a position where the light is continually flexing.
- Endcap must be installed on one end to safely terminate run.
- Do not bend to severe/extreme angles and do not bend in directions other than those described.

### Maximum Bending Arc



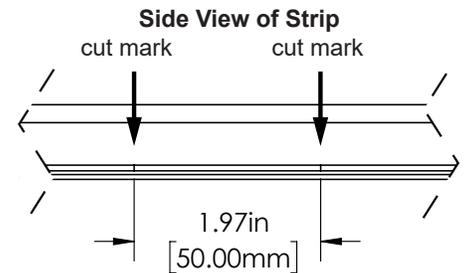
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## Side-Bending LED Neon Strip Light

### Cutting Strip to Length

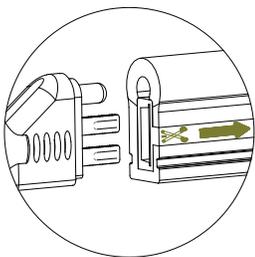
Neon strips can be cut approximately every 2" at the indicated cut marks on the strip. Cut marks will be visible through a small slit on one side of the strip. Do not attempt to cut strips anywhere other than at indicated cut marks

Note: Proper connector(s) and sealant must be used to join strips and terminate runs to maintain IP65 water resistance and avoid potential damage to strips.

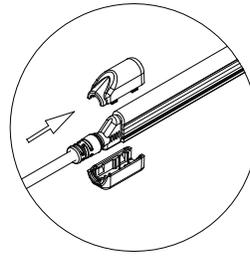


### Installation Instructions

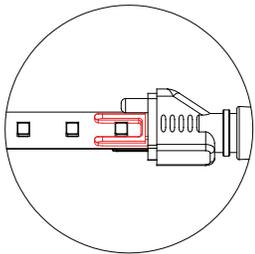
1. Ensure end cap, power connection, and any additional interconnects are firmly connected and properly sealed.  
Typical assembly examples pictured below.
2. Install with adhesive (not included) or desired optional accessory mounting option.
3. Apply power and ensure light(s) operate properly.



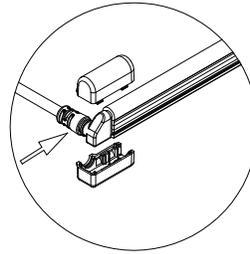
Power Cable Connection



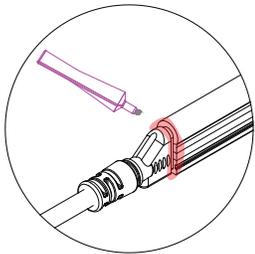
Straight Power Cable  
(NFSB-TS30) Installation



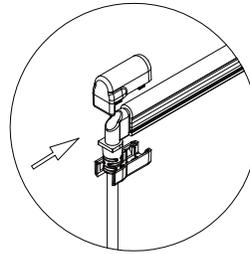
Plastic Spacer  
(insert on top of chip side)



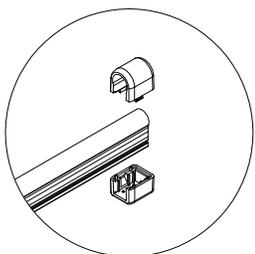
90° (Side) Power Cable  
(NFSB-ES30) Installation



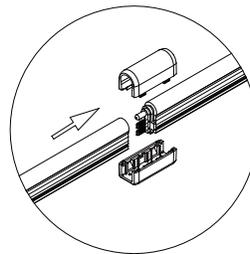
Sealant (NFXB-SEAL10ML)  
Application



90° (Bottom) Power Cable  
(NFSB-BS30) Installation



Endcap (included) Installation



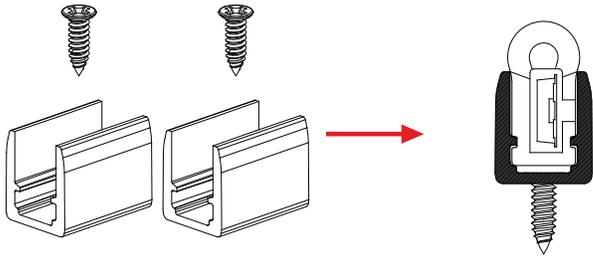
Butt Connector Installation



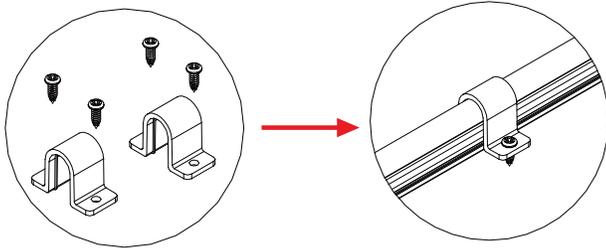
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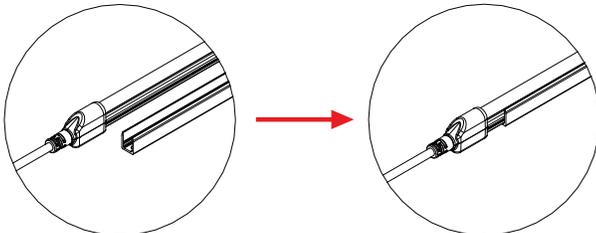
### Installation Accessories



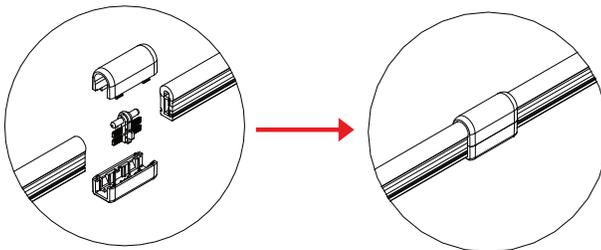
NFSB-UB - 2x Bottom Mount Bracket



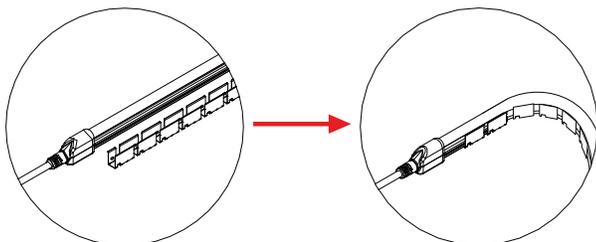
NFSB-UC - 2x Top Mount Bracket



NFSB-C1 - 1 m Rigid Aluminum Channel Kit



NFSB-CONN - Butt Connector



NFSB-AC5 - Flexible Aluminum Channel



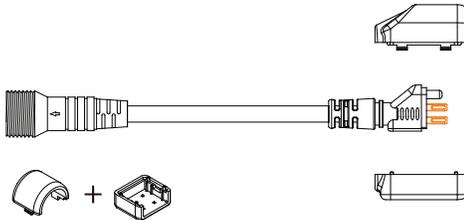
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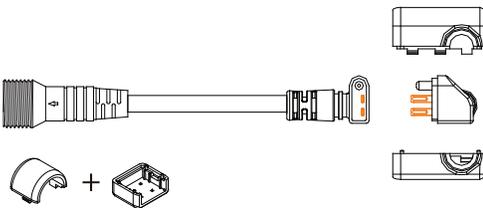
### Wiring Accessories



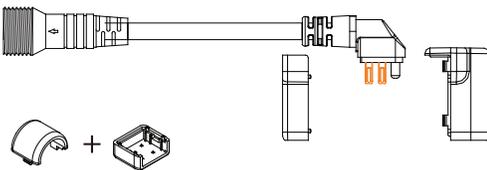
NFSB-PT30 - 1 ft Power Cable (screw connector to DC power)



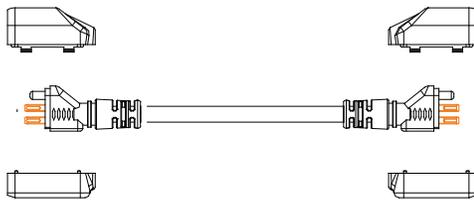
NFSB-TS30 - 1 ft Straight Power Cable (strip to screw connector)



NFSB-ES30 - 1 ft 90° (Side) Power Cable (strip to screw connector)



NFSB-BS30 - 1 ft 90° (Bottom) Power Cable (strip to screw connector)



NFSB-SJ1 - 1 ft Straight Interconnect Cable  
 NFSB-SJ4 - 4 ft Straight Interconnect Cable  
 NFSB-SJ8 - 8 ft Straight Interconnect Cable



NFSB-BJ1 - Double 90° (Bottom) Interconnect Cable  
 NFSB-BJ4 - Double 90° (Bottom) Interconnect Cable  
 NFSB-BJ8 - Double 90° (Bottom) Interconnect Cable

