

Important: Read all instructions prior to installation.

Dual Bend LED Neon Strip Light

Included Parts

1 - Dual Bend LED Neon Strip Light
(16 mm x 16 mm or 23 mm x 23 mm)

Optional Accessories

Model	16 mm	23 mm
Straight end cap	NFDB-RFEC16	NFDB-RFEC23
Right-angle end cap	NFDB-SFEC16	NFDB-SFEC23
Solid end cap (no hole)	NFDB-EC16	NFDB-EC23
2-conductor pigtail	NFDB-2PT50	N/A
3-conductor pigtail	NFDB-3PT50	N/A
4-conductor pigtail	NFDB-4PT50	N/A
5-conductor pigtail	N/A	NFDB-5PT50
Top mounting brackets	NFDB-2BKT16	NFDB-2BKT23
Bottom mounting clips	NFDB-2CLIP16	NFDB-2CLIP23
Rigid aluminum channel	NFDB-C16-1	NFDB-C23-1
Bendable aluminum channel	NFDB-F16-1	NFDB-F23-1
10 ml Weatherproof Sealant	NFXB-SEAL10ML	

Specifications

Strip Size	16 mm x 16 mm	23 mm x 23 mm
Power Consumption	70 W (4.27 W per ft)	90 W (5.5 W per ft)
Operating Voltage	24 VDC	
Length	16.4 ft (5 m)	
Maximum Run	1 Strip	
Operating Temperature	-4°–113° F (-20°–45° C)	
IP Rating	IP67 ²	

²When properly sealed using accessory sealant (NFXB-SEAL10ML)

Safety and Notes

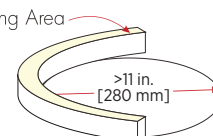
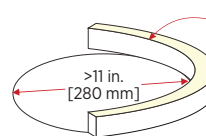
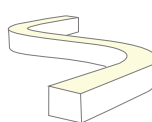
- Product should be installed in accordance with applicable national, state, and local building and electrical codes.
- Do not attach with anything other than double-sided adhesive or associated accessory hardware.
- Do not mount on or near sharp objects which may damage insulation or in tight spaces 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. Bending at sharp angles or repeated and continuous bending may damage the circuit traces and void the warranty.



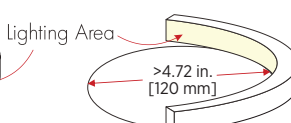
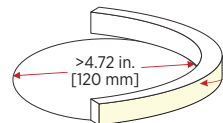
Maximum Bending Arc

16 mm Neon Strip

Side Bend

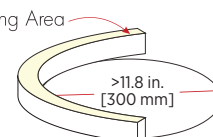
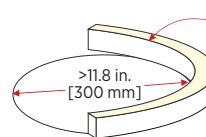
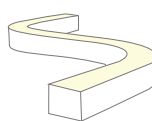


Top Bend

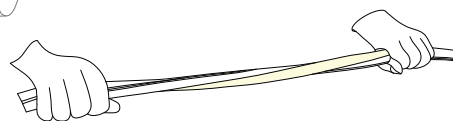
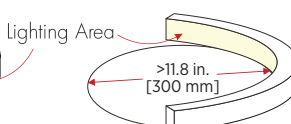
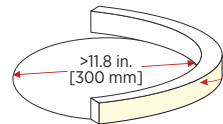


23 mm Neon Strip

Side Bend



Top Bend



⚠ Max. twist angle is 360° per 1000 mm (39.4 in.)



⚠ Two or more people recommended for install

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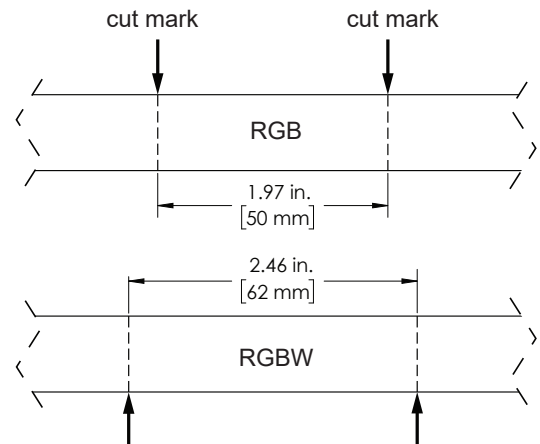
Cutting Strip to Length

Single CCT and tunable white neon strips are free cutting at any length.

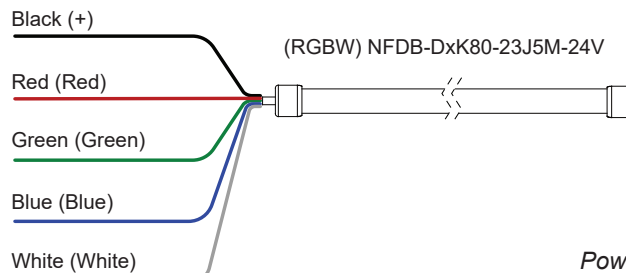
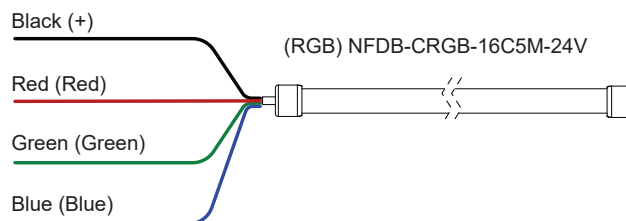
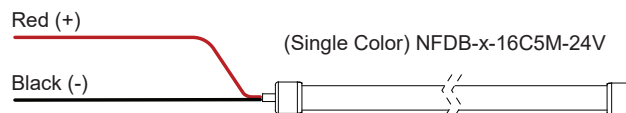
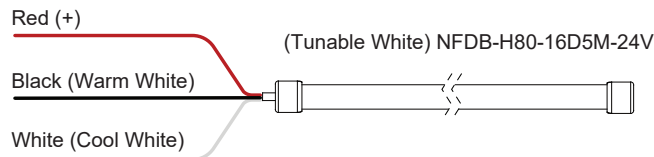
Neon strips can be cut at the indicated cut marks on the strip, approximately every 2 inches for RGB and every 2.5 inches for RGBW. Do not attempt to cut strips anywhere other than at indicated cut marks

Note: Proper caps and sealant must be used to maintain IP67 water resistance and avoid potential damage to strips.

Bottom View of Strip



Wiring Diagram



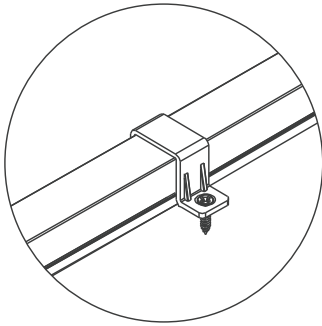
Power supply, controller, and other accessories sold separately.



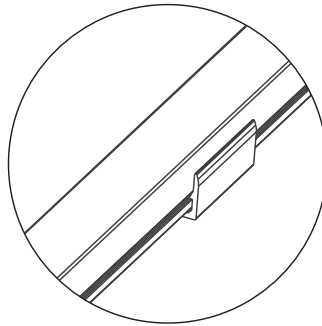
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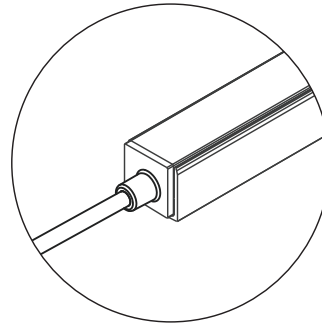
Installation Accessories



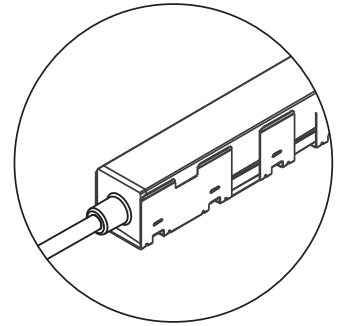
2BKT16
2x Top Mounting Bracket



2CLIP16
2x Bottom Mounting Clip



C16-1
Rigid Aluminum Channel



F16-1
Bendable Aluminum Channel

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Dual Bend LED Neon Strip Light

Installation Instructions

1. Installation of straight* and solid end caps for LED neon strip lights.
2. Carefully cut 0.12 in. (3 mm) off of the bottom silicone jacket.
3. Remove enough plastic to expose bottom solder pads on the PCB.
4. Solder the power cable to the bottom solder pads on the PCB.
5. Fill interior of front cap with silicone sealant and attach.
6. Fill interior of end cap with silicone sealant and attach.

7. Install with adhesive (not included) or optional mounting accessory.
8. Apply power and ensure light(s) operate properly.

**Right angle end cap installation follows the same steps.*

