System Parts: "xx" on part nos. indicates length of light strip in inches (ex: "xx" is **60**)

(1) **Neoloop** is available in 4 color temperatures of light: 3000K, 3500K, 4000K & 5000K.

24VDC 2.5W/ft 3000K N4 Neoloop w/2 molded ends L-N4-24V3WM-30K-xx-1
24VDC 2.5W/ft 3500K N4 Neoloop w/2 molded ends L-N4-24V3WM-35K-xx-1
24VDC 2.5W/ft 4000K N4 Neoloop w/2 molded ends L-N4-24V3WM-40K-xx-1
24VDC 2.5W/ft 5000K N4 Neoloop w/2 molded ends L-N4-24V3WM-50K-xx-1

Neoloop is available in lengths of: 60" (1.5 m), 84" (2.1 m), 96" (2.4 m), 192" (4.8 m)
(Lengths do not include the starter cords)

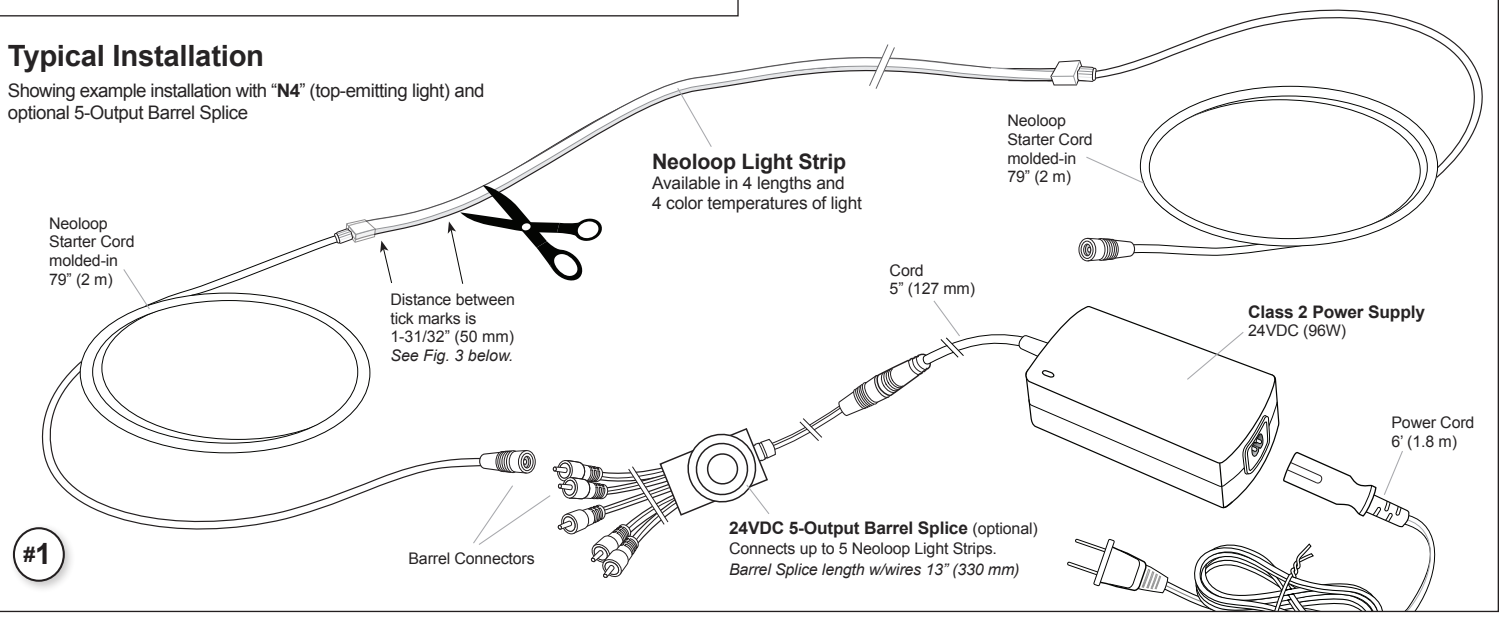
(1) Power Supply, Class 2: 24VDC 96W max

(1) Tresco® 24VDC 5-Output Barrel Splice (optional) L-1BRL5-1

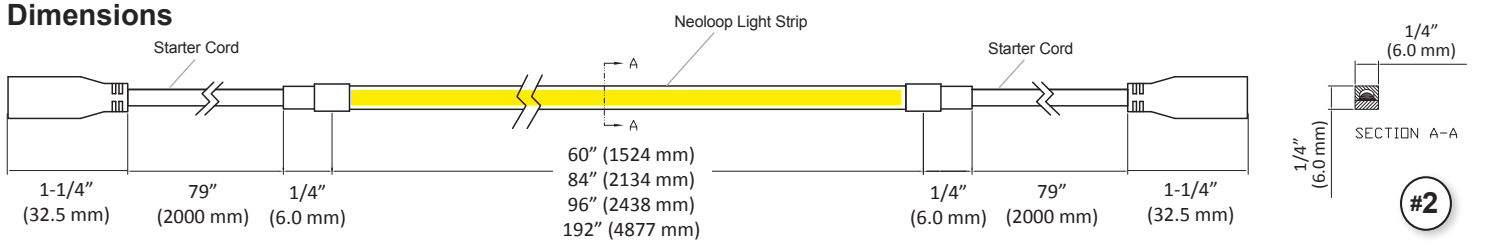
Installation Instructions
Neoloop LED Light Strip
24VDC 2.5W/ft.

Typical Installation

Showing example installation with "**N4**" (top-emitting light) and optional 5-Output Barrel Splice



Dimensions



READ ALL INSTRUCTIONS BEFORE INSTALLING SYSTEM.

Before beginning installation, be sure power is turned OFF to light system.

Tresco's LED Flexible Neoloop Light Strip is a **"N4"** top emitting profile – 1/4" x 1/4" (6 x 6 mm). Neoloop is available in 4 sizes up to 192" (4.8 m) in length. All lengths come with 79" (2 m) premolded starter cords at each end *(see Fig. 2)*, providing the ability to cut the light strip into two separate runs if needed.

The 4 product lengths are based on standard heights of kitchen cabinets and closet applications.

- **60" (1524 mm) length** can be cut into two pieces for 30" (762 mm) & 24" (610 mm) cabinets.
- **84" (2134 mm) length** for 84" (2134 mm) cabinets or cut into two pieces for 42" (1067 mm) cabinets.
- **96" (2438 mm) length** for 96" (2438 mm) & 90" (2286 mm) cabinets.
- **192" (4877 mm) length** cut into two pieces for 96" (2438 mm) & 90" (2286 mm) cabinets.

Tresco's Neoloop can be used with any Class 2, 24VDC/96W Power Supply.
As an option, Tresco® Class 2, 24VDC Power Supplies are available:

24VDC/96W max. part no.: L-24DCELT96-1

This system is dimmable with Tresco's low-voltage Class 2 dimmer.

For more power supply options, see Tresco® Specifications Catalog.

NOTATIONS to help determine installation layout:

- Maximum length of Neoloop on all runs from a single 24VDC/96W power supply is 26.25' (8 m), (not counting the starter cord lengths).
- Minimum linear run is one 'unit', which is the length between two tick marks of 1-31/32" (50 mm) *(see Figs. 1 and 3)*.
- For additional linear runs, you must use a new Neoloop Light Strip with starter cord.
- Use insulated staples and/or plastic ties to secure ALL cords throughout the installation.

Installing the Neoloop Light System:

Roughly lay out the lighting system before installation to verify final positioning of all components. Do not turn power on to light system yet.

To connect one Neoloop Light Strip to a power supply, follow basic steps below. To connect up to five Neoloop Light Strips to a power supply, use the optional 24VDC 5-Output Barrel Splice (P/N: L-1BRL5-1) *(see Fig. 1)*. Be sure to follow all NEC and local codes. *See separate instruction sheets for additional information on installing power supplies*.

Steps:

1. Mount 24VDC Class 2 Power Supply (keep in an accessible location).
2. Connect Neoloop with molded-in starter cord directly to power supply.

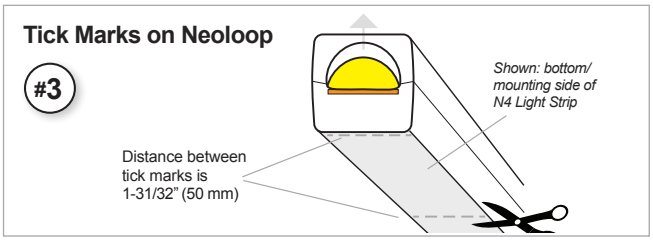
   You can also use an optional **5-Output Barrel Splice**, to connect up to five separate Neoloop runs to a single power supply *(see Fig. 1)*. Maximum length of Neoloop on all runs from a single 24VDC/96W power supply is 26.25' (8 m), (not counting the starter cord lengths).
3. Route the light strip with starter cord so it is positioned where you want the light strip to begin.

(Instructions continued on page 2)

Accessories (purchased separately): 24VDC Extension & Link Cords with barrel connectors (various lengths), and 24VDC 5-Output Barrel Splices.

(Continued from page 1)

4. Also, you can cut the Neoloop Light Strip to a desired length with scissors or a sharp utility knife. Use the light gray tick marks on the bottom side of the light strip as a guide for cutting *(see Fig. 3 below)*. **Note: cutting anywhere else but on the tick marks will damage the light strip.**



5. When cutting the Neoloop Light Strip into two pieces, each run must have a molded-in starter cord that connects back to a power supply or 5-Output Barrel Splice.
6. After all connections are completed, layout the final positioning of the Neoloop Light Strip runs.

   For **surface mounting**, use insulated staples or plastic ties to secure.

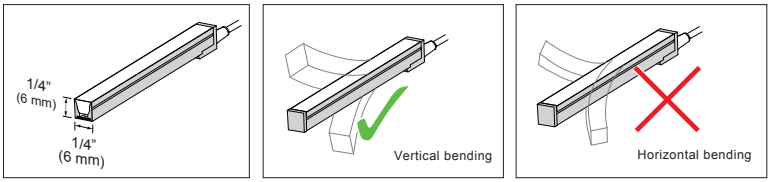
   For **recessed mounting**, cut a groove:

   Depth: 15/64" (6 mm) tight to 1/4" (6.35 mm) loose

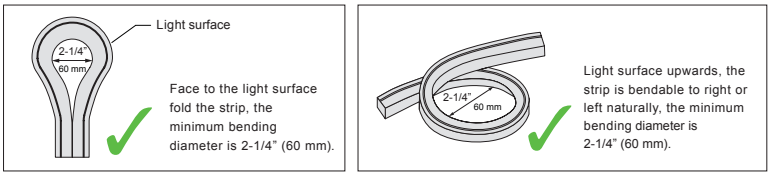
   Width: 15/64" (6 mm) tight to 1/4" (6.35 mm) loose
7. Double-check all connections and then turn power on to light system.

Installation Do's and Don'ts

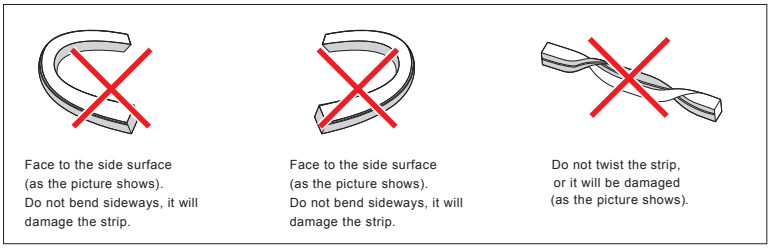
Neoloop **Bending Direction**



Correct Bending Way



Incorrect Bending Way



IMPORTANT SAFETY INSTRUCTIONS

CAUTION: To reduce the risk of fire, electric shock, or injury to persons:

- Neoloop is suitable for damp/wet locations when it is not cut. If the material is cut, the installer must take special precautions to ensure cut ends are not exposed to moisture.
- Do NOT solder your own wires to input/outputs of Neoloop Lights. There are no DIY options for this product line. Use only Neoloop molded-on starter cords for connecting Neoloop to power supplies or controllers.
- Neoloop Light Strips are very flexible, but CANNOT be kinked or creased or the internal contacts may break *(see illustrations Do's and Don'ts)*.
- Use proper power supply for the lighting system; e.g. Class 2, 24VDC 96W Power Supply.
- Use only insulated staples or plastic ties to secure cords.
- Route and secure cords so that they will not be pinched or damaged when the cabinet is pushed to the wall.
- NOT intended for use in ceilings, soffits or walls.
- Do not run line voltage power supply cord through holes in walls, ceilings, floors or similar permanent structures.
- If required, a licensed electrician should be consulted for wiring through permanent structures. When mounting and wiring light system, follow all local electric codes and the National Electrical Code (NEC).
- Disconnect electrical power before cutting light or modifying system.
- Individual LEDs cannot be replaced. Instead replace entire Neoloop Light Strip section.

This light is intended to be used as cabinet fixtures on metal, wood, particle board or other structurally sound, heat-resistant surface. Care should be taken during and after installation to avoid contact of light with wiring, cord, or any combustible material.

*Suitable for use within closet storage spaces.

Save these instructions for future reference.
For technical assistance, call 1-800-227-1171

tresco lighting

Tresco® Lighting
12400 Earl Jones Way
Louisville, KY 40299
Tel: 800-227-1171
Fax: 502-491-2215
Email: cservice@trescolighting.com
Web: www.trescolighting.com

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