

LED NEON FLEX



Red, Green, Yellow and Blue LED NEON FLEX



Newly developed LED NEON FLEX in Orange and White

Finally, a true replacement for exposed neon! As the name suggests, LED NEON FLEX is a completely flexible, solid core tube imbedded with LED's that looks exactly like neon. LED NEON FLEX can be field cut (low voltage only), is extremely low in power consumption, lasts up to 100,000 hours and comes in six brilliant colours.

Features and Benefits:

- **Safe To Use Indoors and Outdoors:** LED NEON FLEX is available in low voltage (24 volts) and in 120 volts unlike traditional neon which works on extremely high voltage transformers. Low voltage LED NEON FLEX can be field cut while line voltage product is available in custom lengths.
- **High Output, Uniform Light:** LED NEON FLEX'S design incorporates high intensity LED's spaced 1/2" apart inside our solid core oval shaped jacket which results in an intense, uniform light along the length of the tube strip.
- **Long Life:** Up to 100,000 hours
- **Durable:** LED NEON FLEX is extremely durable so you don't have the breakage problems leading to high maintenance costs associated with Neon.
- **Energy Efficient:** LED NEON FLEX consumes as little as 1.44 watts per foot saving you as much as 70% in energy costs over traditional neon.
- **Flexibility:** LED NEON FLEX is highly flexible. It can be bent to a minimum radius of 4 cm, and can be cut to any length (to nearest cutting mark).
- **Ease of Installation:** Transportation to the job site and installation of LED NEON FLEX is a breeze. The product comes spooled or coiled in the length you require and is easily installed with our simple to use mounting U-channel or mounting clips. This feature can mean huge savings in transportation and labour costs in any installation.



Night club

LED NEON FLEX



Applications include: Building outlines, signage, hi-lighting architectural features, displays – anywhere that neon can be used and countless places where it can't be!



ENERGY COST COMPARISON

between traditional glass neon and LED NEON FLEX

REGION	GLASS NEON	LED NEON FLEX	ANNUAL SAVINGS	CUMULATIVE SAVINGS
Canada (0.08 \$/kWh)	\$1,839.60	\$454.12	\$1,385.48	\$13,854.80 (In 10 years)

Based on 300 feet length for the colour Red. Energy savings are based on local costs per kilowatt hour, 24 hours per day, 365 days per year.

Energy usage - traditional glass neon: 8.75W/FT,

LED NEON FLEX: 2.40W/FT.

LIGHT OUTPUT

	RED	YELLOW	ORANGE	GREEN	BLUE	WHITE
TOTAL OUTPUT (Lm/Ft)	7.22	5.42	5.33	6.25	3.79	9.36

LED NEON FLEX SPECIFICATIONS

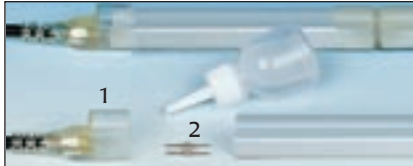
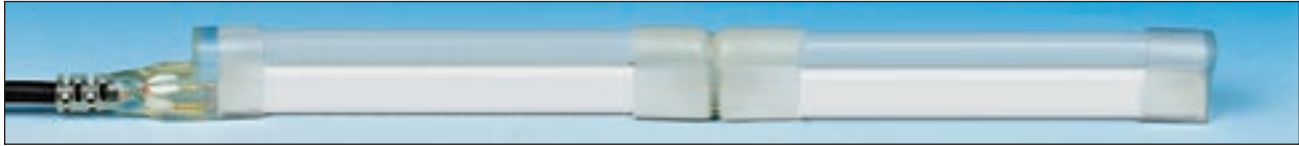
ITEM NO.	DIMENSION	LED SPACING	NO. OF LED PER UNIT	CUTTING UNIT	WATTS PER METER OR FOOT	LED Colour	MAX. LOADING LENGTH	LED LIFE
LN-FX-120V	14X27.5 mm	0.5"	60	2.5 FT	1.44W/FT	R, Y, O	96 FT (With 1.6A converter) 240 FT (With 4A converter)	Up to 100,000 hours
			36	1.5 FT	2.00W/FT	G, B, W		
LN-FX-24V	14X27.5 mm	0.5"	8	1/3 FT	2.16W/FT	R, Y, O	16 FT (With 1.6A converter) 40 FT (With 4A converter) 80 FT (With 8A converter)	Up to 100,000 hours
			6	1/4 FT	2.40W/FT	G, B, W		

Recommended storage & operating temperature: -20°C to 40°C, 100% humidity.

LED NEON FLEX

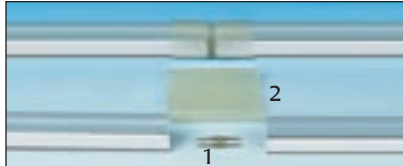
Connecting Mode:

1. Easy Connector (24 volt version)



Front connector includes:

1. Female power connector LN-FX-CA-1
2. Male connecting pin LN-FX-CA-2
3. Heat shrink tube



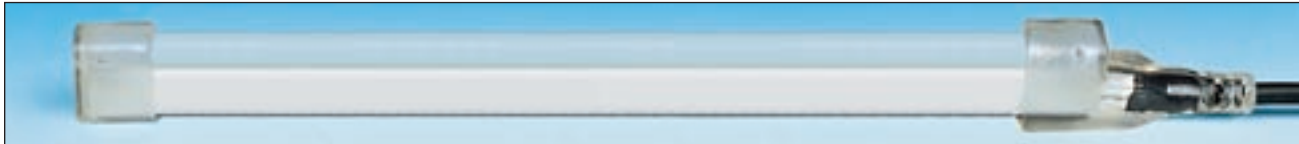
Splicable connector includes:

1. Male connecting pin LN-FX-CA-3
2. Heat shrink tube

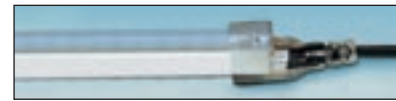


Attachable end cap: LN-FX-CA-4

2. Molded Connector – 120V version comes cut specified to your length with connections factory molded on.



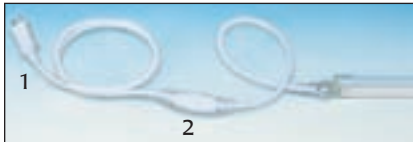
Molded end cap: LN-FX-M-2



Front connector includes:

Molded power connector LN-FX-M-1

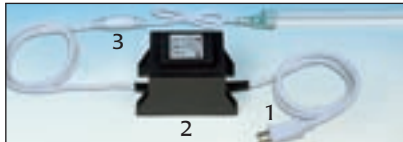
3. High Voltage Power Supply



Includes:

1. Power plug
2. AC/DC Converter

4. Low Voltage Power Supply

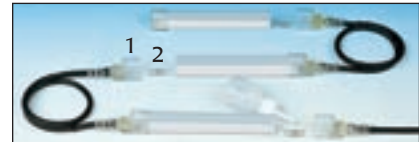


Please see Page 6 for complete list of available power supplies.

Includes:

1. Power plug
2. Transformer
3. AC/DC Converter

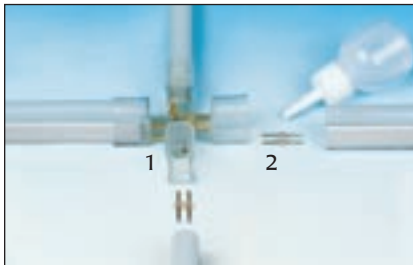
5. Middle connector with cable



Includes:

1. Female power connector LN-FX-CA-1
2. Male connector pin LN-FX-CA-2
3. Heat shrink tube

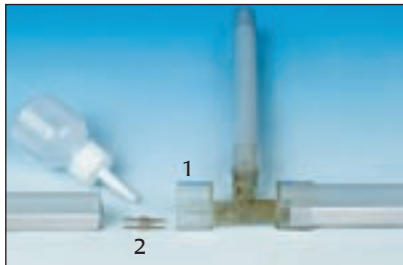
6. X Connector (24 volt only)



Includes:

1. X connector LN-FX-X
2. Male connector pin LN-FX-CA-2
3. Heat shrink tube

7. T Connector (24 volt only)



Includes:

1. T connector LN-FX-T
2. Male connector pin LN-FX-CA-2
3. Heat shrink tube

8. L Connector (24 volt only)



Includes:

1. L connector LN-FX-L
2. Male connector pin LN-FX-CA-2
3. Heat shrink tube

LED NEON FLEX

Installation Basics:

LED NEON FLEX is a versatile and user friendly lighting product. It can be cut, bent and easily installed in countless applications to meet your exact requirements.

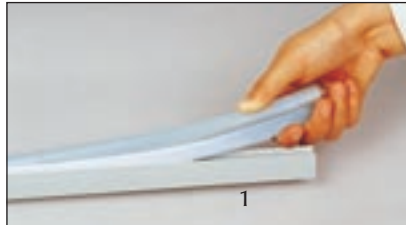
1. Cutting mark

(24 volt only, 120V factory cut)



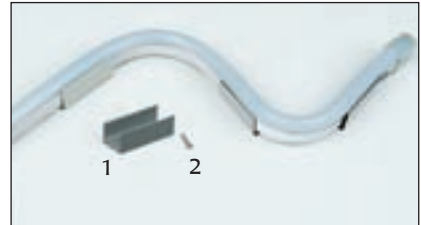
LN-FX Must be cut only on the indicated mark

2. Linear installation



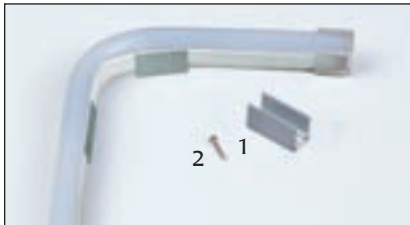
Includes:
Channel LN-FX-CH

3. Curve installation



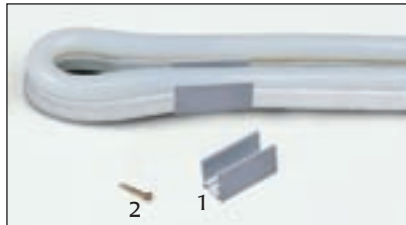
Includes:
1. Mini channel LN-FX-5
2. Screw

4. 90° Installation



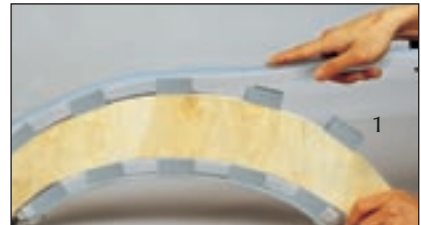
Includes:
1. Mini channel LN-FX-5
2. Screw

5. 180° Installation



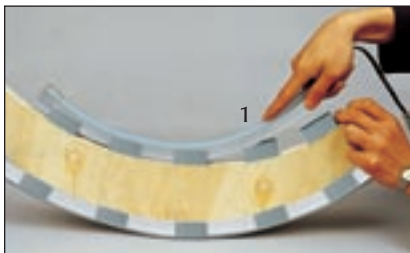
Includes:
1. Mini channel LN-FX-5
2. Screw

6. Convex installation



Includes:
Mini channel LN-FX-5

7. Concave installation



Includes:
Mini channel LN-FX-5

8. Recessed installation



Press LN-FX into the slot of the installation

Transformers (for use with rectifiers)

MLTR/100	100 watt, 240V/120V to 24V/12V, magnetic
MLTR/240-24	240 watt, 120V to 24V, magnetic
MLTR-20MAG	20 watt, Class II, 120V to 24V, magnetic plug in
MLTR-75MAG	75 watt, Class II, 120V to 24V, magnetic
MLTR-CX250-24	250 watt, 120-24V, outdoor rated
MLTR-CX300-24	300 watt, 24V output, outdoor rated

Driver

MLS-LP1060-24-GG-290	LED driver, 60 watt 24V outdoor rated
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Rectifiers

MLS-CRNS-15-25	Rectifier, 2.5A, with SJTW 1.5 ft. wires and connector
MLS-CRPS-60-15	Rectifier, 8A, with SJTW 6.0 ft. wires and connector
NN-LN-FX-RT-10A	Rectifier, 10A, with SJTW 2.0 ft. wire and connector