LED Neon Flex

An alternative to glass neon, LED Neon Flex is a highly flexible LED rope light system

Product Brochure

Where glass neon fails, LED Neon Flex prevails

This rope light system features high brightness LEDs encapsulated in a durable and waterproof PVC jacket.

Achieving equal brightness and visual intensity to glass neon, our LED Neon Flex consumes just one tenth of the energy required by glass neon. Suitable for interior or exterior applications, LED Neon Flex is available in warm (3500K) or cool white (5000K) as well as a variety of colours including in red, orange, yellow, green and blue.

Eliminating the fragility of glass neon, LED flex contains no harmful gasses and features low maintenance costs. With low heat and low voltage, the LED Neon Flex system is an impressive replacement for glass neon.

Key features

- A flexible low voltage LED rope light system
- Durable, waterproof and low heat
- Available in warm white, cool white, red, orange, yellow, blue and green
- Architectural, perimeter, border and signage illumination
- 1/10 the energy consumption of glass neon
- 12 month warranty on LED Neon Flex and power supply

Ease of installation ensures our LED Neon Flex is suitable for border tubing, architectural lighting features and perimeter lighting along with signage and lettering. Available in 50 metre reels, LED Neon Flex is available in cut lengths of 500mm.
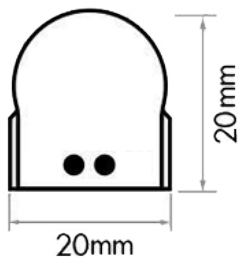
We provides a 12 month warranty on LED Neon Flex and its power supply when used together as advised.

Specification

Type	Description	Code	LED Spacing	Roll Length	Power/m	LED p/m	Cut Length	Max Length in one run	Lifespan
Cool White (5000K)	Ledneon-Flex plus 24V Dimension: 20 x 20mm	LN-FX-P-50M-CW-24V	14.3mm	50m	4.8W	70	500mm	8M	50,000 hours +
Warm White (3500K)		LN-FX-P-50M-WW-24V							
Blue		LN-FX-P-50M-B-24V							
Green		LN-FX-P-50M-G-24V							
Yellow		LN-FX-P-50M-Y-24V							
Red		LN-FX-P-50M-R-24V							
Orange		LN-FX-P-50M-O-24V							

Recommended operating temperature and humidity: -20°C to 50°C, 100% humidity
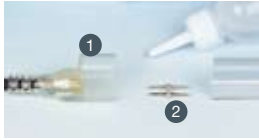
Cross section

20mm

20mm

Packaging examples

Please note: Each colour of LED Neon Flex is supplied with a milky jacket. Colour will only be visible when illuminated.

Connectors

Front connector includes
1. Female power connector
2. Male connecting pin

Spliceable connector include
1. Male connecting pin
2. Heat shrink tube

Attachable end cap
1. PVC glue or silicone
2. End cap
3. LED Neon Flex end

Accessory Pack

5 power cords

5 end caps

10 sections heatshrink tubing
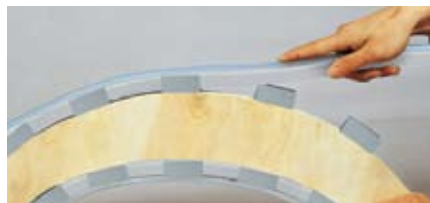

5 connector pins

Installation summary

Cutting mark

LED Neon Flex must be cut only on the indicated mark, with a knife or blade in one clean cut. **DO NOT** use a hacksaw or saw through

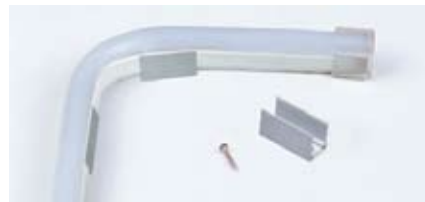## Linear installation

A). Aluminium channel

B). Apply an adhesive silicone between the channel base on fixture housing to prevent slippage and stretching over time

Curve installation

Mini aluminium channel

90° installation includes

Mini aluminium channel

Convex installation includes

Mini aluminium channel

Channel installation

A). Apply an adhesive silicone between the channel base on fixture housing to prevent slippage and stretching over time.

B). Press LED Neon-FlexTM into the channel with even pressure from the beginning to the end.

Important notes

- A catalogue is not a substitute for a user manual. The installation illustrations above are for reference only.

- Always follow the instructions in the provided user manual.

- Cut only on the cut marks provided on the fixture housing.

- When applying linear solutions to a channel make certain to use an appropriate silicone adhesive between the base of the channel profile and the fixture housing to eliminate stretching over time.