



# 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, Applelec's white LED Neon Flex achieves a luminous efficacy of 36 lumens per watt and 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.



Ease of installation ensures Applelec's LED Neon Flex is suitable for border tubing, architectural lighting features and perimeter lighting along with signage and lettering. Available in 50 metre reels (approximate length 48m), cut lengths are unique to the colour chosen and will be advised by a member of our sales team during purchase.

Applelec provides a 12 month warranty on LED Neon Flex and its power supply when used together as advised.

### 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

## Specification

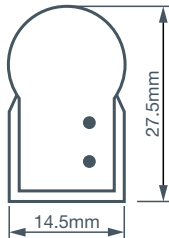
Type	Description	Code	LED Spacing	Roll Length	Power/m	Current/m	Cut Length	Max Length with 60W P/S	Max Length with 105W P/S
Cool White (5000K)	Ledneon-Flex plus 24V Dimension: 14.5 x 27.5mm	LN-FX-P-50M-CW-24V	12.7mm	49.14m	6.3W/m	0.26A/m	76.2mm	9M	15M
Warm White (3500K)		LN-FX-P-50M-WW-24V							
Blue		LN-FX-P-50M-B-24V							
Green		LN-FX-P-50M-G-24V							
Yellow		LN-FX-P-50M-Y-24V		48.8m	5.9W/m	0.25A/m	101mm		
Red		LN-FX-P-50M-R-24V							
Orange		LN-FX-P-50M-O-24V							

## Light Output

Colour	Cool White	Warm White	Blue	Green	Yellow	Red	Orange
Total Output (Lm/Ft)	63	63	37.5	9.2	24.1	25.6	N/A

Recommended operating temperature and humidity: -20°C to 60°C, 100% humidity

## Cross section

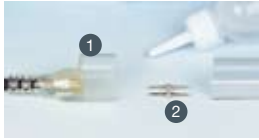


## Packaging examples



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

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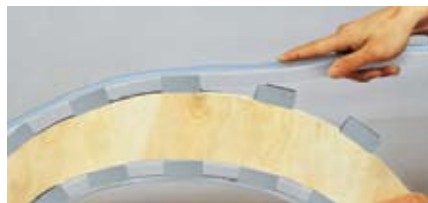
### Cutting mark

LED Neon Flex must be cut only on the indicated mark



### Curve installation

Mini aluminium channel



### Convex installation includes

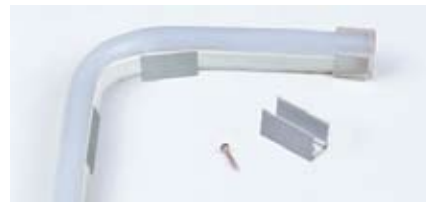
Mini aluminium channel



### Linear installation

A). Aluminium channel

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



### 90° 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-Flex™ 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.

For more information about our LED Neon Flex or any other Applelec product, please get in touch:

 01274 774 477 (Northern Office)

01274 774 477 (Southern Office)

 [sales@applelec.co.uk](mailto:sales@applelec.co.uk)

 [www.applelec.co.uk](http://www.applelec.co.uk)

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Northern Office:  
Applelec  
Appleby House  
Walker Terrace  
Bradford, West Yorkshire  
BD4 7HP

Tel: 01274 774 477  
Fax: 01274 774 478  
[sales@applelec.co.uk](mailto:sales@applelec.co.uk)  
[www.applelec.co.uk](http://www.applelec.co.uk)

Southern Office:  
Applelec  
Suite 12, George House  
High Street  
Tring, Hertfordshire  
HP23 4AF

Tel: 01442 500 050  
Fax: 01442 822 501  
[sales@applelec.co.uk](mailto:sales@applelec.co.uk)  
[www.applelec.co.uk](http://www.applelec.co.uk)