

## Flexible LED Neon 24V - 13W/m - Reel 50m - 6x12mm - Green



### Product code:

Reference: GREEN92009

### Technical specifications:

REFERENCE: GREEN92009  
Rated Power : 13W  
Nominal Voltage: 24V DC  
CRI - Chromatic Rendiment Index: 80  
Construction Material: Silicone  
Luminosity-Lm: 1100  
Number & Type of LEDs: SMD 2835  
Beam Angle (°): 150°  
Luminous diodo LED (Lm/W): 120Lm/W  
Luminous Efficiency (Lm/W): 90 Lm/W  
Certifications: CE - ROHS  
IP : IP65-Outdoor  
Diode Life Expectancy (H): 30.000  
Temperature Range (°C): -20°C ~ +55°C  
On/Off Cycles: 100.000  
Energy Rating (2021-UE-2019/2015): A+  
Energy Rating (2023 - UE-2019/2015): F  
Warranty Years: 3

### Product short description:

**The flexible LED Neon Reel of 50m at 24V and 13W/m is ideal for impactful signage and decorations.** With 120 SMD 2835 diodes per meter, it offers exceptional brightness that doesn't fade thanks to its high-quality silicone construction, resistant to yellowing. Cut every 1cm and its unique flexibility allows it to be bent into any shape you need. With IP65 protection, it's perfect for both indoor and outdoor use. Bring your projects to life with this high-performance LED Neon!

### Product description:

Flexible LED Neon 24V - 13W/m - Reel 50m - 6x12mm - Green

The **24V Flexible LED Neon** is a modern and efficient option for indoor and outdoor lighting, offering superior light quality and a wide range of design possibilities. This product comes in a coil **50 meters** long, with a diameter of **6x12mm** and a density of 120 SMD2835 diodes per meter.

One of the most outstanding features of the 24V Flexible LED Neon is its cutting capacity, which means that it can be **cut every 1 cm** without damaging the integrity of the coil. This allows for complete lighting customization and greater ease of installation. Additionally, the flexibility of this product allows for a wide variety of shapes and designs to suit any project.

**LED lighting** is highly **efficient and durable**, and this 24V Flexible LED Neon. With a power consumption of just **13 watts per meter**, this product is an economical and sustainable option for those looking for a high quality, energy efficient lighting solution. In addition, the service life of this product is long, which means that it can be used for a long time without the need to replace it.

Another advantage of the 24V Flexible LED Neon is its **resistance** to weather and **water**, which makes it ideal for **use** both indoors and **outdoors**. This product can withstand extreme weather conditions, such as rain, snow, and sun, making it an excellent option for lighting facades, gardens, patios, and other outdoor spaces. For outdoor use it is necessary to apply silicone glue that you can find on our website.

The flexibility of this product allows it to be installed anywhere, from walls to ceilings and columns.

The silicone used in our neon LED strips is encapsulation. The potting silicone used in LED strips is designed to resist UV rays, high temperatures, and sudden weather changes that can negatively affect the performance of LED strips.

The **24V Neon LED strips** are powered by a power supply that converts the electrical current from the electrical network (85/265V) into a 24V direct current, which is the one used to power the LED strips. It is important to make sure that the transformer or power supply has enough capacity to power the number of meters of LED strip that you want to use, since if the power of the transformer is insufficient, it can cause a malfunction and deterioration of the life of the LED neon.

For example, if you have a **24V and 13W/m Neon LED strip**, which consumes 13 watts per meter, you can calculate the total load of the installation by multiplying the meters of LED strip you want to install by the watts per meter (13W/m). In this way, if you want to install 20 meters of LED strip, the total load would be 160 watts. Therefore, a power supply or transformer must be chosen that supports a minimum load of 160 watts. It is important to make sure that the power supply or transformer has enough capacity to support the load of the installation, otherwise it can cause the LED strips to fail or even damage them.

In short, the 24V Flexible LED Neon is a modern, efficient and durable lighting solution that offers a wide range of design and customization possibilities. With its cutability, flexibility, weather and water resistance, and ease of installation, this product is ideal for any indoor or outdoor lighting project. In addition, its low energy consumption and long lifespan make it a sustainable and economical option for those looking for a high-quality lighting solution.

Some of the most common places where our 24V LED Neon can be mounted. include:

# Technical Datasheet

- Outdoor Signage for Businesses: LED neons are used to create custom neon signs for outdoor signage for businesses such as stores, restaurants, and bars.
- Indoor decoration: LED neon is perfect for creating decorative lighting effects indoors, such as in nightclubs, bars, and homes.
- Architectural lighting: LED neons are used in architectural lighting to create unique light effects on buildings and structures.
- Advertising: LED neons are used in advertising to create eye-catching and attractive signs in advertising spaces, such as billboards and posters.

At FactorLED we ensure that our products have a QUALITY guarantee and offer all the necessary elements for DISTRIBUTION, IMPORT or WHOLESALE, including the technical data sheet for each LED product.

## Additional images:

