

Silicone LED Tube | FLEX 12-12 | 50m | Custom Cut | For LED Strips up to 8mm



Product code:

Reference: ST-91320

Technical specifications:

REFERENCE: ST-91320
Construction Material: Silicone
Certifications: CE, CMIM, RoHS
IP : IP65-Outdoor
Dimensions (mm): 12x12mm x 50m
Warranty Years: 3
Main colour: White

Product short description:

Flexible silicone tube 12mm x 12mm, recessed for LED strips, is the ideal solution for a **professional and elegant installation**. Designed to house **LED strips of 12-24V up to 8 mm PCB**, this **flexible profile** adapts to various configurations.

With its opaque cover, it creates an attractive diffused **neon-style** light effect, perfect for modern environments. Easy to install and with included accessories, it is ideal for decorative lighting in hallways, staircases, and shelves.

Product description:

LED Silicone Tube - FLEX - 10m - 20m - 50m - For LED Strips

The **LED Silicone Tube - FLEX** is a high-quality, flexible solution ideal for installing LED strips up to 8 mm wide (PCB). This flexible profile is designed for professionals seeking a durable, resistant, and aesthetically flawless installation, providing not only protection but also a clean and sophisticated finish. Its flexibility allows it to adapt to various shapes and configurations, making it perfect for lighting projects in indoor or outdoor spaces, as it can withstand extreme weather conditions.

This product is available in **50-meter** rolls, providing flexibility to match the exact size of your project. While the original format is **50 meters**, you can also purchase it in units of **10m, 20m, and 50m**, depending on your needs.

For example, if you need **5 meters** of tubing, simply select **5 units of 1 meter**. This allows you to buy the exact amount required, ensuring a continuous and uniform installation without wasting material. Perfect for custom projects requiring precision and adaptability.

Key Advantages of the LED Silicone Tube - FLEX

- **Exceptional Flexibility:** Its flexible capacity makes it a versatile choice for creating light effects in curves, decorative shapes, or continuous lines. This allows for seamless integration into modern and artistic design projects without the limitations of conventional rigid tubes.
- **Compatibility with LED Strips up to 8 mm Wide:** Specifically designed to accommodate 12/24V LED strips with a maximum width of 8 mm, this profile offers a safe and durable solution for all types of decorative lighting projects.
- **Excellent Thermal Conductivity:** The tube is made from materials that allow for proper heat dissipation, ensuring that the LED strips remain in optimal working condition over extended periods, prolonging their lifespan.
- **UV Protection:** The high-quality silicone with UV protection prevents the tube from degrading due to prolonged sun exposure, maintaining its appearance and functionality even in outdoor settings.
- **Perfect and Uniform Light Diffusion:** The silicone's matte finish allows for even light distribution, eliminating bright spots and creating an attractive neon-like diffused light effect, ideal for modern and elegant environments.
- **Resistance to Extreme Temperatures:** Unlike traditional PVC tubes that may deform or break over time, the Silicone Tube FLEX is designed to withstand extreme temperatures. It does not break at temperatures below -40°C or deform and yellow at temperatures up to 120°C, ensuring durability in harsh weather conditions.
- **Water and Moisture Resistance:** Thanks to its hydrophobic properties, this tube is ideal for humid environments. The surface does not atomize or discolor with constant contact with water, making it a perfect choice for outdoor applications or areas exposed to moisture.
- **Outperforms PVC Tubes:** While PVC tubes tend to deteriorate quickly in adverse conditions, the Silicone Tube FLEX offers superior resistance, remaining intact and functional for longer. It is the best choice for those seeking durability and performance in their projects.

The flexible silicone profile for LED strips has a wide variety of uses and applications:

- **Interior Lighting:** Perfect for creating smooth and continuous light lines on ceilings, walls, and furniture. Ideal for enhancing modern spaces with an elegant and indirect lighting effect.
- **Architectural Lighting:** Used in architectural structures, both indoors and outdoors, to highlight shapes and contours with diffuse and uniform lighting.
- **Pathway and Stairway Signaling:** The flexibility and durability of the silicone tube make it perfect for marking high-traffic areas such as stairways, hallways, and entrances.
- **Furniture Decoration:** It can be used on shelves, cabinets, or display cases to add a decorative or functional touch with soft light that enhances visibility without being intrusive.
- **Outdoor Lighting:** Thanks to its resistance to extreme temperatures and UV protection, it is perfect for illuminating gardens, terraces, pools, or facades.
- **Creating Decorative Shapes:** Ideal for shaping letters, logos, or custom figures thanks to its flexibility and ability to adapt to different forms.
- **Neon Effect:** When used with LED strips, it can generate an eye-catching neon effect, perfect for signage or bold decoration in shops, bars, and commercial spaces.

Technical Datasheet

- **Underwater Lighting Projects:** Due to its high water resistance, it is suitable for applications in fountains, pools, or ponds.

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Additional images:

