

LED Strip 24V | 280xLED/m | 10m | 12W/M | SMD2025 | FREE CUT | 1440Lm/M | IP20



Product code:

Reference: SMD280D12W

Technical specifications:

REFERENCE: SMD280D12W
Rated Power : 12w
Nominal Voltage: 24V DC
Colour: 2700K - 4000K - 5700K
CRI - Chromatic Rendiment Index: 90
Construction Material: PCB
Luminosity-Lm: 1M: 1440Lm - 10M: 14400m
Number & Type of LEDs: 280 LEDs/m - SMD2025
Beam Angle (°): 120°
Luminous diodo LED (Lm/W): 120Lm/W
Luminous Efficiency (Lm/W): 120 Lm/W
Certifications: CE, CMIM, RoHS
IP : IP20
Diode Life Expectancy (H): 100.000
Dimensions (mm): 10m x 8mm
Frequency (Hz): 50/60Hz
Temperature Range (°C): -20°C ~ +55°C
On/Off Cycles: 100.000
Other Information: FREE CUT
Energy Rating (2021-UE-2019/2015): A+
Energy Rating (2023 - UE-2019/2015): F
Warranty Years: 3

Product short description:

The **Professional LED Strip FREE CUT** is the perfect solution for interior lighting projects. With **280 chips per meter** and a power of **12W/m**, this **24V** strip provides efficient and high-quality lighting across its **10-meter** length. Its **free-cut design** offers total flexibility for custom cuts between the chips on its **8mm PCB**. Ideal for decoration, it ensures optimal heat dissipation when installed on an aluminum profile. **Requires a power supply** (not included). Light up your space with style and versatility!

Product description:

LED Strip 24V | 280xLED/m | 10m | 12W/M | SMD2835 | FREE CUT | 1440Lm/M | IP20

The **Professional LED Strip FreeCut 24V DC 280xLED/m IP20** is an advanced and versatile lighting solution, ideal for a wide range of commercial and residential applications. This **10-meter** long LED strip is equipped with **280 SMD2025 LEDs per meter**, which stand out for their **high brightness** of **120 Lm/m** and a **120-degree beam angle**. Its technology guarantees **efficient and uniform lighting**, suitable for illuminating spaces discreetly yet effectively.

SMD2025 Technology: Compact and Efficient The **SMD2025 LEDs** integrated into this strip are known for their compactness and efficiency compared to other SMD models on the market. This type of LED is perfect for applications in **tight spaces**, where high lighting performance is required without compromising available space. Although smaller than the popular **SMD2835**, they maintain a comparable **luminous efficiency**, making them ideal for projects where both performance and space-saving are valued.

FreeCut Innovation: Total Flexibility One of the main features of this LED strip is its **FreeCut technology**, which allows you to **cut the strip at any point** between the chips without affecting its functionality. This offers **total flexibility** when customizing the length of the strip to fit the exact dimensions of your project. The strip includes clear instructions for making cuts and joining segments, ensuring simple and safe installation. This customization capability is especially useful in lighting projects that require adaptation to specific shapes or dimensions.

Simple and Adhesive Installation To facilitate installation, the LED strip comes with an **integrated adhesive**, simplifying mounting on various surfaces. However, to ensure **durability** and better **heat dissipation**, it is recommended to use **double-sided thermal dissipative tape** and mount it on an **aluminum profile**. This not only optimizes heat management, prolonging the lifespan of the LEDs, but also improves the stability and overall performance of the system.

Power Supply and Usage Recommendations The LED strip requires a **direct current (DC) power supply**, which must be purchased separately. It is crucial that installations do not exceed **10 meters in length** to avoid voltage drops that could affect the performance and longevity of the LEDs. Additionally, installing **signal amplifiers** on longer sections ensures consistent lighting without power loss.

Versatile Applications and Uses Thanks to its **flexible and adaptable design**, this LED strip is ideal for illuminating any corner of your home or business. Its versatility allows for installation in multiple locations and configurations, adapting to the specific needs of each project. Some recommended applications include:

- **Libraries:** Ideal for lighting bookshelves or reading areas.
- **Bars:** Adds a modern and elegant touch to bar decor and ambient spaces.
- **Home:** Perfect for lighting hallways, kitchens, bedrooms, or decorative elements.
- **Restaurants:** Provides a cozy atmosphere in dining areas or VIP zones.
- **Covered Areas:** An excellent option for lighting covered areas or terraces in protected environments.

Technical Datasheet

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 of each LED product.

Additional images:

