LED Strip 24V | 280xLED/m | 10m | 10W/m | SMD2025 | EQUAL LUMEN | 1300Lm/M | IP20 | Cut every 5 cm

Product code:

Reference: SP280D10W

Technical specifications:

REFERENCE: SP280D10W
Rated Power : 10W
Nominal Voltage: 24V DC
Colour: 2700K - 4000K - 5700K
CRI - Chromatic Rendiment Index: 90
Construction Material: PCB
Luminosity-Lm: 1M: 1300Lm - 10M: 130000m
Number & Type of LEDs: 280 LEDs/m - SMD2025
Beam Angle (º): 120º
Luminous diodo LED (Lm/W): 130Lm/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 (ºC): -20°C ~ +55°C
On/Off Cycles: 100.000
Other Information: LONG DISTANCE EQUAL LUMEN
Energy Rating (2021-UE-2019/2015): A+
Energy Rating (2023 - UE-2019/2015): F
Warranty Years: 3

Product short description:

The Professional LED Strip LONG LUMEN SMD2025 130Lm/W. With 280 LEDs/m and a power of **10W**/m, this 24V LED strip guarantees uniform and powerful lighting across its entire 10-meter length. Its advanced design eliminates voltage drops thanks to an integrated feedback system, ensuring consistent brightness without loss.

With the flexibility to cut every **5 cm** on its 8mm PCB, it is ideal for long-distance linear lighting projects. Add style and versatility to your projects with this innovative lighting solution!

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The LONG LUMEN SMD2025 130Lm/W Professional LED Strip is an advanced lighting solution, ideal for a wide range of commercial and residential applications. With a length of 10 meters and equipped with 280 SMD2025 LEDs per meter, this LED strip stands out for its high brightness, reaching 130 Lm/m and an emission angle of 120 degrees. Its design ensures efficient and uniform lighting, perfect for illuminating spaces in a discreet yet effective manner.

SMD2025 Technology: Compact and Efficient

The SMD2025 LEDs incorporated into this strip are known for their compactness and efficiency compared to other SMD models on the market. Their reduced size makes them ideal for applications in tight spaces where high luminous performance is required without compromising available space. Although smaller than the popular SMD2835, the SMD2025 LEDs maintain comparable luminous efficiency, providing a perfect balance between performance and space-saving.

✔ Total Innovation LONG DISTANCE EQUAL LUMEN

One of the main features of this LED strip is its integrated technology that eliminates voltage drops thanks to a built-in feedback system. This system ensures constant brightness along the entire length of the strip without losses, eliminating the need for current amplifiers or dual power supply installations. It guarantees 100% brightness across the entire length, providing homogeneous and continuous lighting.

Simple and Adhesive Installation

To facilitate installation, the LED strip comes with an integrated adhesive that simplifies mounting on various surfaces. To ensure durability and optimal heat dissipation, it is recommended to use double-sided thermal management tape and mount the strip on an aluminum profile. This method not only optimizes heat management, extending the lifespan of the LEDs but also enhances overall system stability and performance.

Power Supply and Usage Recommendations

The LED strip requires a DC power supply, which must be purchased separately. It is crucial to mount the strip on an aluminum profile to maximize heat dissipation and prolong the product's lifespan. Additionally, it is important to follow installation recommendations to avoid performance issues and ensure long-lasting use.

Versatile Applications and Uses

Thanks to its advanced technology and reliability, this LED strip is ideal for a variety of installations both at home and in business environments. Its versatility allows it to adapt to different locations and configurations, according to the specific needs of each project. Recommended applications include:

Notice: Product subject to change without prior notice. Ensure to use the most recent technical datasheet.

Technical Datasheet

- **Libraries:** Ideal for illuminating long shelves or reading areas with uniform, shadow-free light.
- **Bars:** Adds a modern and elegant touch to bar decor and ambient spaces, maintaining constant lighting without power loss.
- **Home:** Perfect for lighting hallways, kitchens, bedrooms, or decorative elements, creating cozy and well-lit environments.
- **Restaurants:** Provides a welcoming atmosphere in dining areas or VIP zones, enhancing the customer experience.
- **Terraces:** Excellent choice for illuminating terraces or protected outdoor spaces, offering durable and efficient lighting.

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:

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