

Flicker-Free Driver for 220V AC Self-Rectifying SMD LED Strip IP65 | 10mm | 250W MAX.



Product code:

Reference: 91378-SMD

Technical specifications:

REFERENCE: 91378-SMD
Rated Power : 250W
Nominal Voltage: 220-240 V AC
Construction Material: Thermoplastic
Certifications: CE, CMIM, RoHS
IP : IP44
Power Factor (PF): 0,95
Temperature Range (°C): -10°C ~ +40°C
On/Off Cycles: 100.000
Warranty Years: 3

Product short description:

Optimize your LED installations with this Flicker-Free Driver, designed to eliminate flickering and improve visual comfort on 220V self-rectified SMD LED strips with 10 mm width (8 mm PCB). It delivers up to 250W of power, IP44 protection, power factor >0.95, and stable performance — ideal for professional, commercial, or decorative environments. Perfect for long-use areas requiring continuous, eye-friendly lighting.

Product description:

Flicker-Free Driver for 220V AC Self-Rectifying SMD LED Strip IP65 | 10mm | 250W MAX.

Maximize the performance and durability of your lighting installations with this professional Flicker-Free LED Driver , specifically designed for 220V self-rectifying SMD LED strips with a standard width of 10mm (PCB 8mm). This advanced LED controller provides a high-performance solution for demanding projects requiring continuous, stable, and flicker-free lighting, reducing visual fatigue and enhancing lighting comfort in any environment.

What does "self-rectified" mean?

It means that the strip internally includes a rectification system (usually a bridge rectifier and/or small capacitors) that converts alternating current (AC) into direct current (DC), which is what LEDs need to operate. That's why it's called **"self-rectified"**: it converts the current itself, without the need for an external driver or power supply.

Key Technical Specifications:

- **Maximum Power:** up to 250W, ideal for long LED strips.
- **Input Voltage:** AC220V - 240V, compatible with standard power grids.
- **Output Voltage:** DC265V, tailored for self-rectifying LED strips.
- **Compatibility:** 10mm wide SMD LED strips, 8mm PCB.
- **Protection:** IP44, suitable for indoor use and moderately humid areas.
- **Power Factor:** >0.95, high energy efficiency and lower consumption.
- **Flicker-Free Technology:** eliminates invisible flickering that can cause eye strain, headaches, or visual discomfort.

Ideal Applications:

- **Professional Spaces:** offices, studios, medical or design practices with prolonged lighting exposure.
- **Commercial Areas:** showcases, retail stores, shopping centers, or restaurants.
- **Decorative Projects:** architectural installations, indoor or covered outdoor lighting.
- **Demanding Residential Use:** perfect for reading areas, kitchens, or living rooms.

Key Benefits:

- Enhances visual health by eliminating common flicker.
- Consistent performance even in heavy-use installations.
- High energy efficiency reduces electricity costs.

Technical Datasheet

- Universal compatibility with 220V SMD LED strips.

This 250W Flicker-Free LED Driver is the professional choice for high-quality, efficient, and long-lasting LED lighting solutions.

At FactorLED, we ensure that our products come with a guarantee of QUALITY and provide all the necessary elements for DISTRIBUTION, IMPORTATION, or WHOLESALE, including the technical specifications for each LED product.

Additional images:

