

IP65

高光效灯带 High Luminous Efficacy LED Strip Light

产品特点 Product Features

- 光效150lm/W，同等亮度功耗更低，光衰小，长期使用稳定省电；
  Luminous efficacy up to 150lm/W, lower power consumption at the same brightness, low light decay, ensuring stable and energy-saving long-term operation.
- 无光斑、无灯珠颗粒；CRI≥90高显色，光色统一纯净；
  No light spots or visible lamp bead particles; CRI≥90 high color rendering with uniform and pure light color.
- 可做圆弧转角，支持定点裁切，适配各类异形造型；
  Supports arc and corner bending and fixed-point cutting, suitable for various special-shaped designs.
- IP65防水防尘，抗UV、耐高低温，使用寿命长。
  IP65 dustproof and waterproof, UV-resistant and temperature-resistant with a long service life.
- 超长连接——双端供电最长可连接10米。
  Extra-long connection length: Maximum 10-meter run with dual-end power supply.

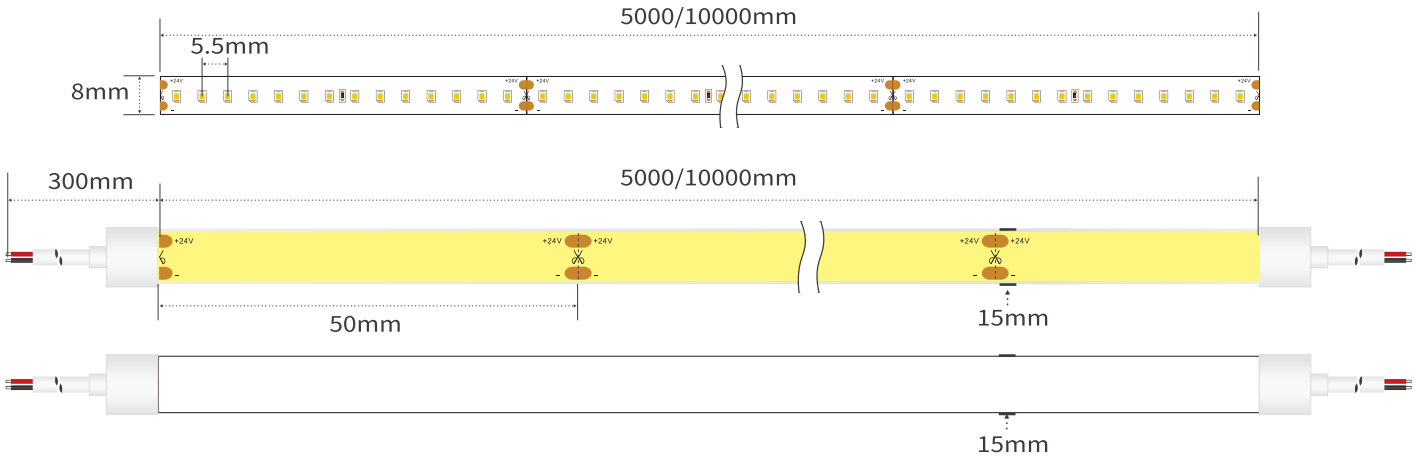




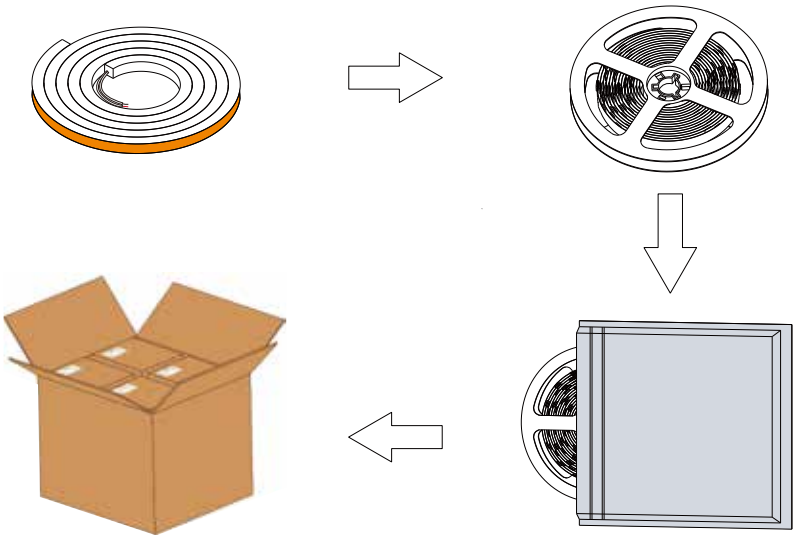
光色参数 Color Parameters

产品料号 Product Part No.	灯条参数 Strip Parameters							
	色温/波长 CCT/Wavelength	发光角度 Beam Angle	显指 CRI	光通量 Luminous Flux	光效 Luminous Efficacy	电压 Voltage	电流 Current	功率 Power
ERP-DC24V-2835-180--5-927-1515Z-IP65	2700±125K	120°	90	700lm/M	140lm/W	24V	200mA	5W/M
ERP-DC24V-2835-180--5-930-1515Z-IP65	3000±175K			710lm/M	142lm/W			
ERP-DC24V-2835-180--5-940-1515Z-IP65	4000±245K			725lm/M	145lm/W			
ERP-DC24V-2835-180--5-950-1515Z-IP65	5000±425K			740lm/M	148lm/W			
ERP-DC24V-2835-180--5-965-1515Z-IP65	6500±525K			750lm/M	150lm/W			

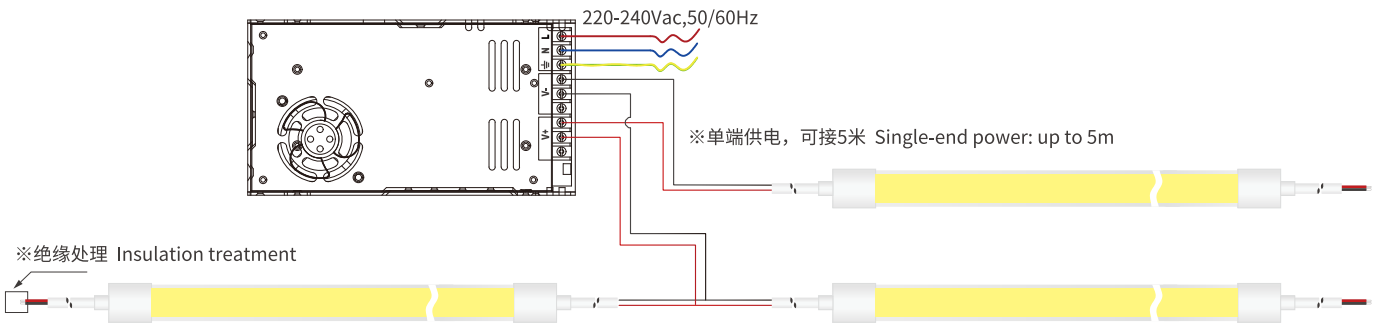
产品尺寸图 Product Dimension Drawing



包装示意图 Packaging Diagram



接电方式 Wiring Diagram



注意事项 Precautions

1.请使用24VDC的隔离电源驱动LED灯条，且恒压源的纹波小于5%.不能使用阻容式降压、非隔离等类型电源驱动LED灯条。

Use a 24VDC isolated power supply to drive the LED strip; the ripple of constant-voltage power supply shall be less than 5%. Do not use capacitive-dropper or non-isolated power supplies.

2.为保证灯带的寿命和可靠性，请不要在直径60mm以下的弧度弯曲，请勿对折以免损坏灯珠或断裂。

To guarantee service life and reliability, do not bend the strip to a radius smaller than 60mm diameter. Never fold sharply, to avoid damage to LEDs or circuit breakage.

3.为保证灯带的寿命和使用环境，在使用的过程中不能用力拉扯电源线，禁止碰撞以免损坏LED灯。

Do not pull the power cord forcefully during operation. Avoid impact or collision which may damage the LED strip.

4. 在安装的过程注意电源线的正负极，切勿接错，电源与产品的电压是否一致，以免造成产品损坏。

Observe positive / negative polarity during installation. Ensure power-supply voltage matches product rating; incorrect wiring will cause product failure.

5.LED灯带应存放在干燥密封的环境，建议存放期不宜太久，请在使用前拆封，工作环境温度：-20°C～45°C，贮存温度：0°C～60°C，不防水灯带请在室内使用，相对湿度不能高于70。

Store LED strips in dry, sealed conditions. Do not store for excessively long periods; open packaging just before installation.Operating ambient temperature: -20°C ~ 45°C, Storage temperature: 0°C ~ 60°C, Non-waterproof versions are for indoor-only use; relative humidity ≤70%.

6.请注意小心操作，在电源接通的情况下，切勿触及交流电源端，以防触电。

Handle with care. Do not touch AC mains terminals while power is active to prevent electric shock hazard.

7.在实际的应用中，电源应保留20%的余量(建议只使用80%的功率)，以保证足量的电压驱动产品。

For practical application, reserve 20% power headroom (operate at max. 80% rated power) to ensure adequate driving voltage.

8.严禁使用任何酸性，碱性粘接剂固定产品（包含不限于玻璃胶等）。

Do NOT secure the product with any acidic or alkaline adhesives (including but not limited to common silicone sealant).