



180 Beads Full Spectrum Low Voltage LED Light Strip for Custom Length Ultra-Bright Linear Light

Our Product Introduction

Basic Information

- Place of Origin: SHENZHEN CHINA
- Brand Name: YSENLED
- Certification: CE ROHS LVD EMS
- Model Number: YS-R30X3528RA-F3
- Minimum Order Quantity: 10
- Price: Negotiable
- Packaging Details: 10*1000*20
- Delivery Time: 48hours
- Payment Terms: L/C,D/A,D/P,T/T,Western Union
- Supply Ability: 100,000 meters per week



Product Specification

- Highlight: **180 Beads LED Light Strip, Full Spectrum Linear Light, Low Voltage LED Strip Light**



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Product Description

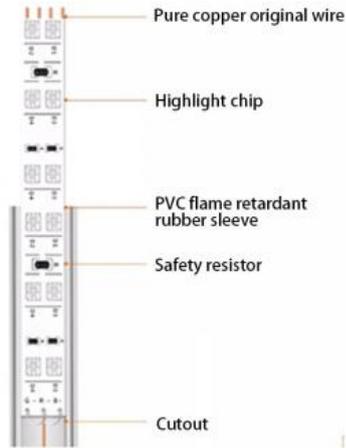
Custom Length LED Light Strip - 180 Beads Full Spectrum

Ultra-bright low voltage self-adhesive linear light for embedded applications



Home Decoration Scene

Life should be colorful



Product Overview

This 180-LED/meter full-spectrum LED strip represents a premium linear lighting solution that combines high brightness, eye protection, flexibility, and safety. Featuring ultra-high-density LED arrangement and full-spectrum eye-protecting light source technology, this low-voltage self-adhesive embedded design adapts perfectly to various lighting and ambiance creation needs in home decoration, commercial spaces, and engineering projects.

Technical Specifications

Parameter Category	Details Specifications
LED Bead Configuration	180 beads/meter, SMD2835 ultra-bright LED beads
Spectrum Type	Full spectrum (high color rendering index, close to natural light)
Operating Voltage	DC 12V / 24V (24V recommended for long-distance use)
Substrate Material	8mm double-sided FPC, flexible and bend-resistant
Light Emitting Characteristics	High brightness, flicker-free, low blue light hazard
Cutting Specifications	12V version: 100mm increments, 24V version: 50mm increments
Installation Design	Self-adhesive backing + embedded slot fixing

Product Features



Outdoor Scene

Life should be colorful



Full-Spectrum Eye Protection: Restores natural light texture with high color rendering index, flicker-free operation, and low blue light emission to reduce visual fatigue and protect eye health

180-LED Ultra-High Density: Densely arranged LEDs provide uniform, soft light with superior single-meter brightness for both large-area and accent lighting applications

Low-Voltage Safety & Stability: 12V/24V design eliminates electric shock risk and minimizes voltage drop over long distances for consistent brightness and stable operation

Flexible Installation: FPC flexible substrate fits irregular spaces with self-adhesive backing and embedded slots for concealed, aesthetic installation

Extended Lifespan & Durability: Double-sided substrate provides excellent heat dissipation, reducing operating temperature and extending LED lifespan for long-term continuous indoor use

Application Scenarios

Home Decoration

- Living room ceiling linear lights, background wall ambient lighting
- Bedroom bedside sensor lights, wardrobe/cabinet recessed shelf lighting
- Stair tread sensor lights, baseboard ambient lighting

Commercial Spaces

- Shopping mall counter accent lighting, hotel corridor ambient lighting
- Restaurant bar counter linear lights, office partition lighting
- Showroom recessed decorative lights, nail salon/clothing store ambient lighting

Projects & Special Scenarios

- KTV/bar ambient lighting, cabinet/wardrobe bulk lighting projects
- Subway/shopping mall public area decorative lighting
- Building outline partial lighting applications

Installation & Maintenance

Installation Steps

Preparation: Clean installation surface thoroughly, ensuring it is free of dust, oil, and moisture

Precise Cutting: Cut according to voltage specifications (12V: 100mm increments, 24V: 50mm increments)

Fixed Installation: Peel adhesive backing and attach to position; use clips for recessed installations

Wiring & Testing: Connect to low-voltage power supply with correct polarity and test illumination

Daily Maintenance

Clean surface with dry, soft cloth regularly - avoid damp cloths to prevent short circuits

Power on for 10-15 minutes monthly during extended non-use to prevent oxidation

For non-lighting sections, check power connections and cutting specifications before troubleshooting

Important Precautions

Match voltage strictly - 12V strips require 12V power supply, 24V strips require 24V power supply

Cut only at specified increments - improper cutting will cause illumination failure

Avoid prolonged overload operation - maximum continuous use recommended at 8 hours

Prevent excessive bending during installation - maintain minimum 90-degree bend angle

Not suitable for damp or water-accumulated environments without waterproof accessories

Always observe correct polarity when wiring - reversing may damage internal circuitry

Conclusion

This 180-LED full-spectrum low-voltage light strip sets new standards for linear lighting with precise parameter design, superior luminous efficacy, and convenient installation. From warm home atmospheres to sophisticated commercial environments, from detailed lighting to scene creation, it delivers precise performance. Every inch of light is meticulously crafted to add warmth and sophistication to your space, transforming illumination into an extension of life's aesthetics.



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