



## Customizable LED Strip Aluminum Profile with 6063-T5 Virgin Aluminum Alloy for Environmental Protection

Our Product Introduction

### Basic Information

- Place of Origin: SHENZHEN CHINA
- Brand Name: YSENLED
- Certification: CE ROHS LVD EMS
- Model Number: YS-BAPL001
- Minimum Order Quantity: 10
- Price: Negotiable
- Packaging Details: 115\*19\*20cm
- Delivery Time: 2DAYS
- Payment Terms: L/C,D/A,D/P,T/T,Western Union
- Supply Ability: 100,000 meters per week



### Product Specification

- Highlight: **Customizable LED Strip Aluminum Profile, Environmental Protection LED Strip Aluminum Profile**  
**6063-T5 Virgin Aluminum Alloy LED Strip Channel**



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## Product Description

### Customizable LED Strip Aluminum Profile (Eco-Friendly)

This LED strip aluminum profile emphasizes green environmental protection and flexible customization. Designed specifically for various linear LED lighting applications, it utilizes high-quality, recyclable 6063-T5 virgin aluminum alloy as its base material.

#### Product Overview

The entire production process adheres to low-carbon and environmentally friendly techniques, rejecting inferior recycled aluminum, toxic adhesives, and polluting surface treatments. It is the preferred alternative to traditional plastic light troughs and non-environmentally friendly profiles.



#### Core Environmental Protection and Product Parameters

Parameter	Specification
Base Material	6063-T5 environmentally friendly virgin aluminum alloy, 100% recyclable, no heavy metal residue
Customization Range	Cross-section width 8-60mm, height 5-40mm, length 1-3m, precise cutting, non-standard customization supported
Surface Treatment	Chromium-free anodizing, environmentally friendly powder coating, formaldehyde-free, odorless, strong coating
Wall Thickness	0.8-2.0mm, lightweight design, reduces material waste, structural strength meets standards
Environmental Certification	Complies with RoHS and REACH standards, free of lead, mercury, formaldehyde and other harmful substances
Compatible Types	12V/24V low-voltage flexible LED light strips, rigid LED light strips
Protection Rating	Standard IP20, waterproof IP65, sealing material environmentally friendly and odorless

#### Core Product Highlights

### Extremely Environmentally Friendly and Green & Safe

Zero pollution emissions during production; no pungent odor during indoor installation; no need for ventilation; fully recyclable after disposal; generates no construction waste; aligns with the circular economy concept; safe for use in sensitive spaces such as mother and baby rooms, children's rooms, and hospitals.

### Fully Customizable and Highly Adaptable

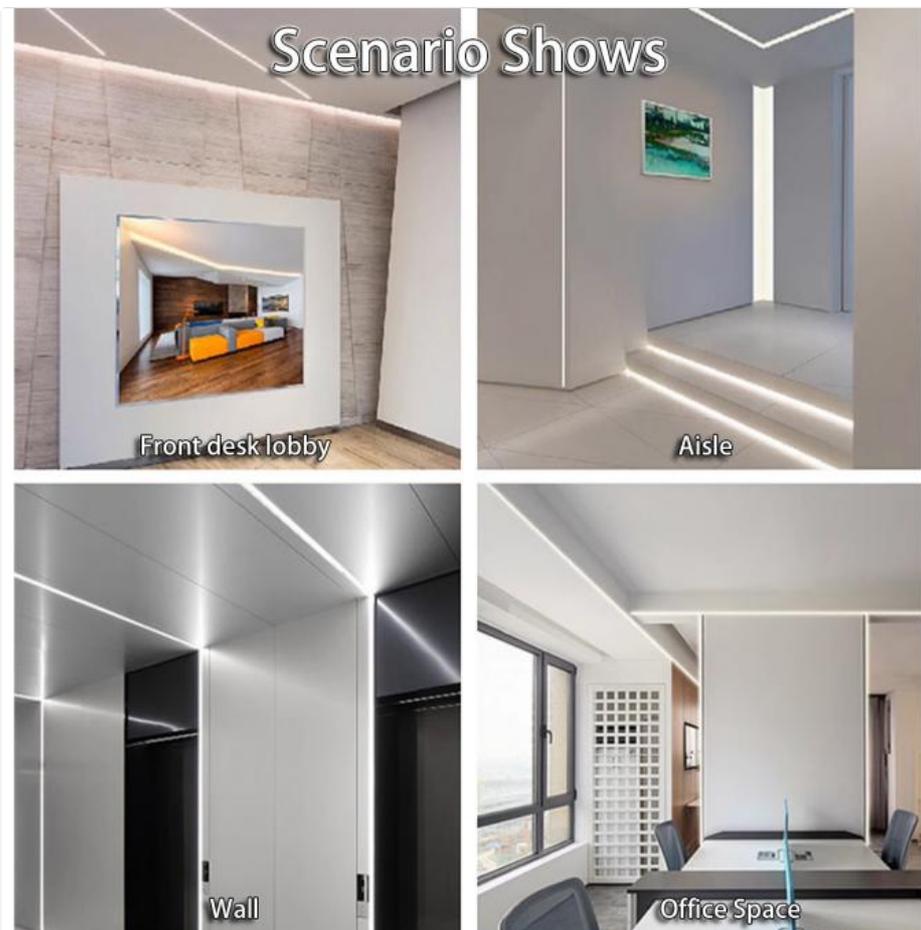
Breaking conventional size limitations, cross-sectional shape, length, and installation method (surface mounting, recessed, snap-on, ceiling mounting) can all be customized to perfectly fit various decoration and lighting designs, achieving a minimalist effect where the light source is not visible.

### Highly Efficient Heat Dissipation, Durable and Energy-Saving

Aluminum alloy has excellent thermal conductivity, quickly dissipating heat from the light strip, delaying light decay of the LED beads, significantly extending the lifespan of the LED strip, reducing the frequency of replacements, and indirectly reducing resource consumption. Combined with a diffuser, the light is soft and glare-free.

### Easy to Clean and Maintain

Smooth and dense surface, does not accumulate dust or oil; daily wiping is sufficient for maintenance. Moisture-resistant, corrosion-resistant, and not easily deformed, with a lifespan of over 10 years, resulting in lower carbon footprint and cost savings in the long run.



### Applicable Scenarios

**Home Environmental Protection:** Living room ceilings, cabinet bottoms, wardrobe shelves, entryways, bedroom ambient lighting; priority given to children's rooms and mother-and-baby rooms.

**Commercial Office Spaces:** Linear lighting for offices, shops, shopping malls, hotels, and restaurants; odor-free for immediate operation.

**Strict Environmental Protection Requirements:** Public spaces such as schools, hospitals, nursing homes, and libraries.

**Engineering and Damp Scenarios:** Corridors, staircases, showrooms; waterproof models suitable for kitchens, bathrooms, and balconies.

## Precautions and Installation Maintenance

### Precautions

Accurately measure installation dimensions before customization to avoid cutting waste and practice low-carbon construction.

Use with low-voltage environmentally friendly LED light strips; avoid high-power, non-environmentally friendly light sources.

Use environmentally friendly accessories during installation; avoid using adhesives and fasteners containing formaldehyde or heavy metals.

Avoid scratching the environmentally friendly coating with sharp, hard objects to prevent affecting its protective and environmental performance.

### Installation and Maintenance

Installation is simple and convenient, using clips and screws for fixing, requiring no complicated construction. Daily maintenance only requires wiping the surface with a dry or slightly damp cloth; no chemical cleaners are needed, avoiding environmental pollution. The profile is reusable; after replacing the light strip, the profile can be reused, maximizing material recycling.

### Conclusion

This customizable environmentally friendly LED light strip aluminum profile deeply integrates personalized customization needs with green and low-carbon concepts. It satisfies the lighting design and aesthetics of various spaces while protecting environmental safety and human health throughout the process, making it an ideal matching profile for low-carbon decoration and green lighting. We always adhere to environmentally friendly production and quality in parallel, helping to create a healthier and more sustainable lighting environment.



**SHENZHEN YSENLED LIGHTING CO.,LTD**



[lyzylight@gmail.com](mailto:lyzylight@gmail.com)



[led-stripslights.com](http://led-stripslights.com)

2F, Building 3, Ruibang Industrial , No.8 Laocun Road, Tangtou, Shiyan, Bao'an District, Shenzhen, Guangdong, China