High-power 47*24mm Aluminum LED Profile for Ceiling-mounted Linear Light and Aluminum Channel Light

Our Product Introduction

Basic Information

- Place of Origin: SHENZHEN CHINA
- Brand Name: YSENLED
- Certification: CE ROHS LVD EMS
- Model Number: YS-BAPL028
- Minimum Order Quantity: 10
- Price: Negotiable
- Packaging Details: 10*1000*20
- Delivery Time: 2DAYS
- Payment Terms: L/C,D/A,D/P,T/T,Western Union
- Supply Ability: 100,000 meters per week

Cob Non-stroboscopic Light Strip Ra≥90 12w/m

Pc Diffuser Lampshade Emits Natural Light

Product Specification

- Highlight: **High-power Aluminum LED Profile**,
                    47*24mm Linear Light,
                    Ceiling-mounted Aluminum Channel Light

Single Side External Reflective Light Trough

Oblique Light Reflective Light Trough

Uniform light output | Thick materials can be bent | Delicate light without flicker

More Images

Optional Models Free To Match

Product Description

High-Power Aluminum LED Profiles for Ceiling and Pendant Lighting

This 47×24mm aluminum LED strip profile is a medium-to-large linear lighting solution, commonly known as a "linear light" or "aluminum channel light." With its substantial cross-sectional area, it accommodates multiple LED rows and delivers exceptional heat dissipation, making it perfect for high-power main lighting applications in ceiling-mounted or pendant-mounted configurations.

Core Product Specifications

Material & Construction

Manufactured from 6063-T5 aviation aluminum alloy with anodized or sandblasted surface treatment, providing superior thermal conductivity and oxidation resistance for long-lasting performance.

Dimensions & Capacity

Dimensions: 47mm width × 24mm height

Width (47mm): Accommodates 2-3 rows of parallel LED strips for enhanced luminous efficacy and power output

Height (24mm): Generous internal space ensures thorough light mixing before diffusion, eliminating flicker and minimizing visible LED spots

Power Performance

Excellent heat dissipation enables customizable power output from 20W to 40W per meter or higher, making it suitable for main lighting in offices, commercial showrooms, and modern residential spaces.

Diffuser Accessory Options

Opal/Milky Matte Diffuser

Features: Maximum light diffusion effect, completely uniform light emission, eliminates visible LED particle appearance
Recommended Use: Primary choice for main lighting applications requiring soft, glare-free visual environments

Semi-Clear/Frost Semi-Transparent Matte Diffuser

Features: Balanced between transparent and milky white with higher light transmittance while maintaining diffusion properties
Recommended Use: Ideal for areas requiring enhanced brightness where minimal LED shadow visibility is acceptable

Clear Transparent Diffuser

Features: Near 100% light transmittance with minimal light obstruction
Recommended Use: Best suited for indirect lighting applications (light troughs) or scenarios demanding maximum brightness. Not recommended for direct pendant lighting due to potential glare.

Installation Methods

Pendant Mount

Utilizes steel wire ropes for suspension mounting. Commonly installed above office workstations, restaurant tables, and long counter spaces.

Ceiling Surface Mount

Secured directly to ceiling surfaces using clips or screws. Ideal for linear spaces with slightly lower ceiling heights where suspended mounting isn't practical.