



JAFFA Linear PMMA Acrylic Skylight Dome Customizable Standard Size

Our Product Introduction

Basic Information

- Minimum Order Quantity: 5set
- Price: Negotiable
- Packaging Details: Wooden box packaging, cardboard box packaging
- Delivery Time: 7-10 work days
- Payment Terms: L/C,D/P,T/T
- Supply Ability: 500sets/Year



Product Specification

- Material: PMMA
- Standard Size: Customizable
- Color: Customizable
- Feature: Luminous
- Service: OEM/ODM
- Application: Mall/Restaurant/Office/Home/Exhibition/Guardrail
- Highlight: **plexiglass skylight, plexiglass dome skylight, skylight acrylic dome replacement**

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Product Description

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JAFFA Acrylic Linear Skylight Dome is a minimalist daylighting system custom-designed for high-end residences, commercial spaces, offices, and public buildings. Crafted from high-weatherability ultra-transparent acrylic panels, combined with integrated metal edging and hidden lighting design, we create a linear skylight that combines ultimate transparency with spatial aesthetics. Breaking the form limitations of traditional skylights, it allows natural light to penetrate the interior in a linear form, creating a high-end light and shadow effect of "sky light entering the room". It is widely used in high-ceilinged spaces, corridors, living rooms, office lobbies and other scenarios.

- **Ultimate Transparent Daylighting:** Ultra-white high-transparent acrylic panels with a light transmittance of 92% and no optical distortion, paired with a narrow frame design, maximize the display of the sky view. Sufficient natural lighting can be achieved without artificial lighting during the day, which is energy-saving and high-end.
- **Light and Shadow Aesthetic Design:** The linear and slender shape adapts to various spatial moving lines. With the support of hidden LED ambient lights, it introduces natural light during the day and transforms into a linear light and shadow installation at night, realizing a spatial aesthetic experience of "double scenes day and night".
- **Durable and Safe Protection:** Imported UV-resistant acrylic raw materials, no yellowing or atomization after long-term outdoor use; the panels have excellent impact resistance, combined with a waterproof sealing system and openable ventilation structure, taking into account multiple needs of daylighting, protection and ventilation.
- **Full Custom Adaptation:** Full-dimensional customization of length, width, slope and shape is supported, and multiple forms such as single linear, multi-section splicing and curved linear can be created, perfectly adapting to the structure and design style of different buildings.

Product Attributes

- **Core Material:** High-weatherability ultra-transparent acrylic (PMMA) + aluminum alloy/stainless steel edging frame, acrylic thickness options: 10mm–30mm
- **Process System:** CNC precision carving, mirror polishing, seamless splicing, hidden waterproof sealing, embedded lighting installation
- **Functional Configuration:** Fixed daylighting type, electric opening ventilation type, built-in sunshade (manual/electric), hidden LED ambient light
- **Waterproof Grade:** IP65 waterproof sealing, suitable for outdoor roof installation
- **Application Scenarios:** High-end residential high-ceilinged spaces, commercial corridors, office lobbies, hotel atriums, public building daylighting belts
- **Structural Form:** Linear flat top, linear sloped top, curved linear, supporting special-shaped customization

Customization Parameters Table

Parameter	Options/Specifications
Acrylic Thickness	10mm / 15mm / 20mm / 25mm / 30mm (calculated according to roof load and span)
Dimension Specifications	Length: 1m–20m (sectional splicing available); Width: 0.3m–1.5m; Slope: 0°–45°
Opening Method	Fixed non-opening, electric top-hung opening, electric sliding opening (opening angle 0°–60°)
Sunshade Configuration	Built-in manual roller blinds, electric honeycomb blinds, electric venetian blinds (sun protection/blackout optional)
Lighting System	Hidden LED light strips (single-color warm/cold light, RGB gradient), color temperature adjustable from 3000K to 6500K
Frame Color	White, black, silver gray, champagne gold, supporting custom spraying with Pantone color numbers
Wind Resistance	Suitable for roof installation, up to Category 12 typhoon resistance (reinforced fixed structure required for customization)
Construction Period	Small single linear (≤5m): 15–25 days; Large splicing (> 5m): 30–45 days

Frequently Asked Questions (FAQ)

1. How is the waterproof performance of acrylic linear skylights compared to glass skylights?

It is more advantageous. We precisely match the thermal expansion and contraction coefficient of acrylic panels with the sealing strips, combined with a hidden multi-channel waterproof sealing structure, which completely solves the water seepage problem of glass

skylights that is prone to occur due to thermal expansion and contraction. The IP65 waterproof grade can cope with rainstorm weather.

2. How to realize the ventilation function of the linear skylight?

Custom electric opening models are supported, and top-hung or sliding opening methods can be selected. The opening angle is adjustable from 0° to 60°. Equipped with a wind and rain sensor system, it can automatically close in case of rainstorm, taking into account ventilation and rain protection, and is suitable for residential and office spaces.

3. Will the acrylic panel turn yellow after long-term outdoor use?

No. We use imported UV-resistant acrylic raw materials, which are treated with a special anti-ultraviolet coating. They will not turn yellow or atomize after more than 10 years of normal outdoor use, and always maintain a high-transparent texture, which is far superior to ordinary acrylic products.

4. Can it be adapted to the roof renovation of existing buildings?

Yes. We will provide on-site survey services, design customized installation plans according to the existing roof structure, and adopt modular assembly, which can complete the installation of the skylight dome without large-scale demolition and reconstruction, and is suitable for the renovation of various new and old buildings.

5. What should be noted for daily cleaning and maintenance?

For daily cleaning, wipe the acrylic surface with a soft cloth dipped in neutral detergent, avoiding hard tools such as steel wool and scouring pads; the frame and sealing strips can be wiped with clean water regularly, and check the aging of the sealing strips every 2–3 years and replace them in time, with extremely low maintenance costs.



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