

Custom Acrylic Skylight Dome – JAFFA Design Plastic

Our Product Introduction

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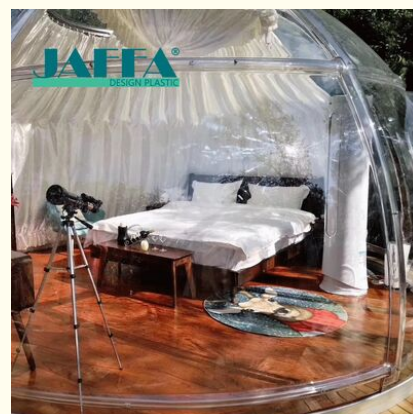
Basic Information

- 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

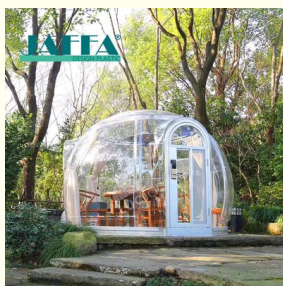


Product Specification

- Material: PMAA
- Standard Size: Customizable
- Color: Customizable
- Feature: Rotatable
- Service: OEM/ODM
- Application: Mall/Restaurant/Office/Home/Exhibition/Guar



More Images



Product Description

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JAFFA Acrylic Domes are custom-designed immersive spatial products tailored for outdoor leisure, cultural tourism projects, and premium dining scenarios. Crafted from high-transparency, weather-resistant acrylic panels through modular assembly and curved structural design, we create dome spaces that blend natural light transmission with all-scenario protection, ideal for star-gazing rooms, outdoor restaurants, homestay suites, and garden leisure areas.

- **Immersive Experience:** Fully transparent acrylic domes provide 360° unobstructed views, allowing users to experience natural light and starry night skies indoors while shielding from wind, rain, and insects for a "nature within shelter" immersive environment.
- **Durable Protection:** Exceptional impact resistance, anti-aging properties, and weatherability withstand extreme weather such as rain, wind, and hail, with minimal maintenance required to prevent yellowing, cracking, or warping.
- **Customization:** Full customization is available for dimensions, shapes, material combinations, and interior configurations, including single-dome, multi-dome, and custom forms to suit diverse outdoor scenarios.

Product Attributes

- **Materials:** High-weatherability acrylic (PMMA) + aluminum alloy frames; acrylic thickness options: 5mm–10mm
- **Processes:** Heat bending, laser cutting, metal welding, seamless assembly
- **Colors:** Clear, frosted, translucent, custom special colors
- **Applications:** Star-gazing rooms, outdoor restaurants, homestay suites, garden leisure areas, cultural tourism experience pods
- **Structural Forms:** Single-dome, double-dome, multi-dome combinations, custom irregular shapes

Customization Parameters Table

Parameter	Options/Specifications
Acrylic Thickness	5mm / 6mm / 8mm / 10mm
Dome Diameter	3m / 4m / 5m / 6m; non-standard sizes available (max diameter 10m)
Interior Height	2.2m–3.0m, adjustable based on usage requirements
Frame Materials	Aluminum alloy (electrophoretic/painted); customizable colors and finishes
Wind Resistance	Designed to regional requirements; up to Category 12 typhoon resistance (with reinforced custom structures)
Light Transmission	Clear panels ≥92%, frosted/translucent panels ≥70%; customizable gradient effects
Interior Configurations	Optional air conditioning, fresh air systems, LED ambient lighting, curtains, custom furniture, smart control support
Construction Period	Single dome: 10–15 days; multi-dome projects: 20–30 days (assessed by quantity and complexity)

Frequently Asked Questions (FAQ)

2. What is the thermal insulation performance of acrylic domes?

We use double or multi-layer acrylic structures with hollow designs to enhance thermal insulation, reducing heat loss in winter and blocking UV rays and heat in summer. Combined with air conditioning/fresh air systems, a comfortable indoor environment is achievable.

3. What is the lifespan of acrylic domes?

Using imported UV-resistant acrylic, our domes maintain color stability and structural integrity for over 10 years in normal outdoor conditions. Lifespan may vary based on local climate and maintenance practices.

4. What is the typical lead time for custom orders?

Single domes take 10–15 days for production and installation. Multi-dome combinations or complex custom projects require 20–30 days, depending on quantity and structural complexity.

5. Do you provide nationwide installation services?

We have a professional installation team offering on-site measurement, design, and installation nationwide. For overseas projects, detailed installation guides and technical support are provided.

6. How should acrylic domes be cleaned and maintained?

For daily cleaning, use a soft cloth with a neutral detergent. Avoid abrasive tools or cleaners containing grinding agents to prevent surface scratches. Metal frames can be maintained with rust-preventative oil, and interior air conditioning/fresh air systems require regular maintenance per manufacturer guidelines.



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