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> PURPLE LEAF Bioclimatic Pergola 4.24 x 3 m Instruction Manual

PURPLE LEAF B0F5395CW6

PURPLE LEAF Bioclimatic Pergola 4.24 x 3 m Instruction Manual

Model: B0F5395CW6

1. INTRODUCTION

This instruction manual provides essential information for the safe and efficient assembly, operation, and maintenance of your PURPLE LEAF Bioclimatic Pergola. Please read this manual thoroughly before installation and retain it for future reference. This pergola is designed to enhance your outdoor living space with its adjustable louvered roof and robust aluminum construction.

2. SAFETY INFORMATION

Important Safety Precautions:

- Always follow all assembly instructions carefully.
- Ensure the pergola is installed on a stable and level surface.
- For safety, it is recommended to have at least two people for assembly.
- To prevent damage to the bioclimatic pergola during strong winds or extreme weather conditions, **open the louvers** and remove any sun protection accessories.
- Regularly inspect all bolts and connections to ensure they remain tight.
- Do not hang heavy objects from the pergola structure.
- Keep children and pets away from the assembly area.

3. PRODUCT OVERVIEW

The PURPLE LEAF Bioclimatic Pergola features a durable aluminum frame and adjustable louvers, designed for outdoor use. Its robust construction ensures stability and resistance to various weather conditions.



Figure 3.1: Overview of the PURPLE LEAF Bioclimatic Pergola in a patio environment.

Key Features:

- **Durable Construction:** Made from powder-coated aluminum, resistant to weathering, fading, and rust.
- **Reinforced Structure:** Features wider columns and larger beams for increased load-bearing capacity and wind resistance (up to force 7 winds).
- **Adjustable Louvered Roof:** Two independently adjustable aluminum roofs allow precise control over sunlight and shade.
- **Integrated Drainage System:** Louvers are equipped with drainage grooves to direct rainwater through the frame edges and down the posts, preventing water accumulation.
- **Easy Assembly:** Simplified instructions for straightforward installation.

4. SETUP AND ASSEMBLY

Assembly of the PURPLE LEAF Bioclimatic Pergola requires careful attention to detail. Ensure all components are

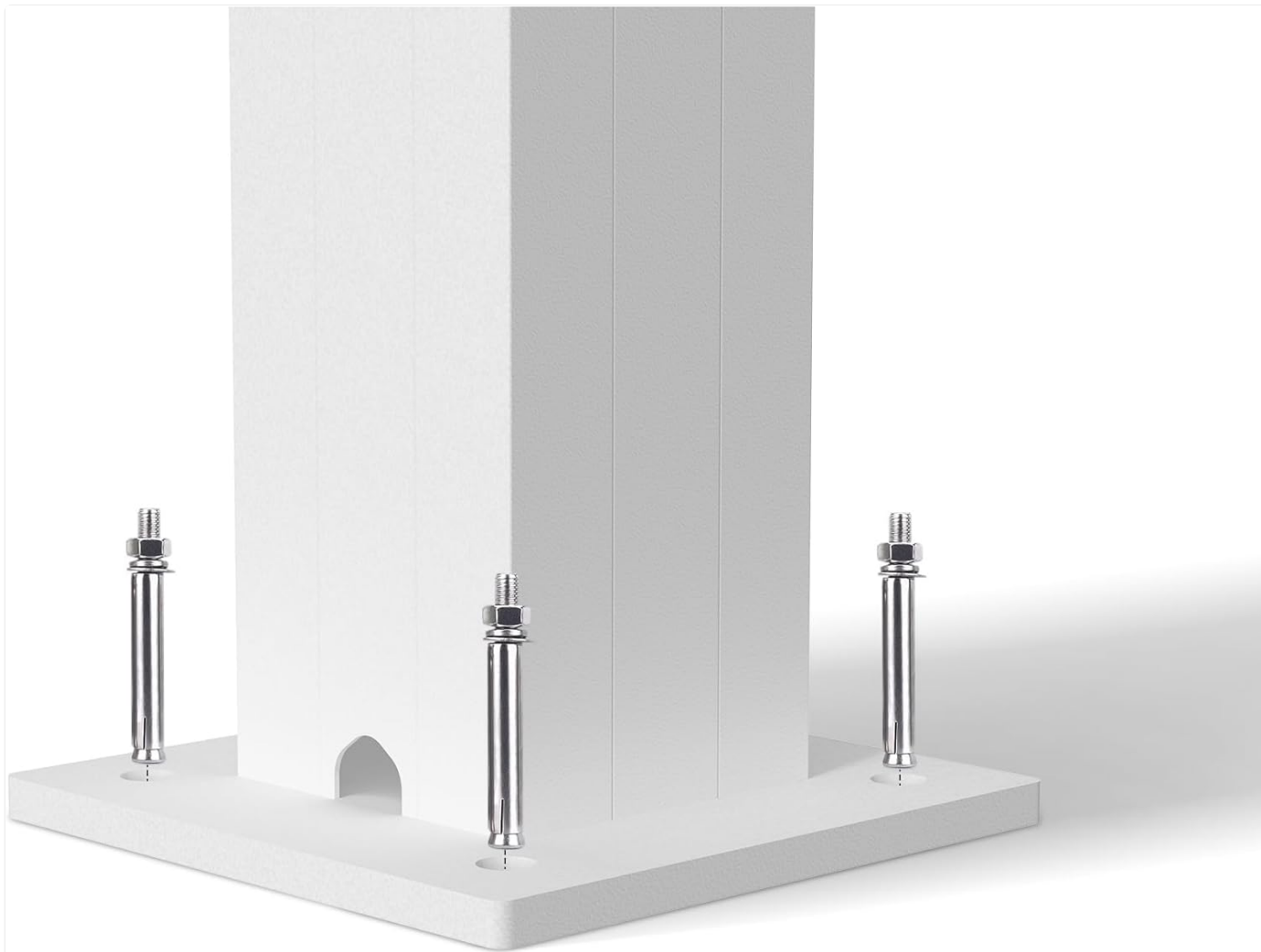
present before beginning. Tools for assembly are included.

4.1 Unpacking and Component Check

Carefully unpack all parts and compare them against the provided parts list (refer to the separate assembly guide for a complete list). Report any missing or damaged parts immediately.

4.2 Foundation Preparation

The pergola must be installed on a solid, level foundation. For optimal stability, especially on tiled surfaces, consider using M12 steel bars with chemical anchors instead of standard wall plugs.



Base Rinforzata

Buona stabilità e forte resistenza al vento e alla neve

Figure 4.1: Reinforced base design for enhanced stability.

4.3 Frame Assembly

Assemble the main frame components (columns and beams) according to the detailed diagrams in the separate assembly guide. Ensure all connections are securely fastened.

Telaio in Alluminio Spesso

Durevole e non soggetto a sbiadimento e ruggine

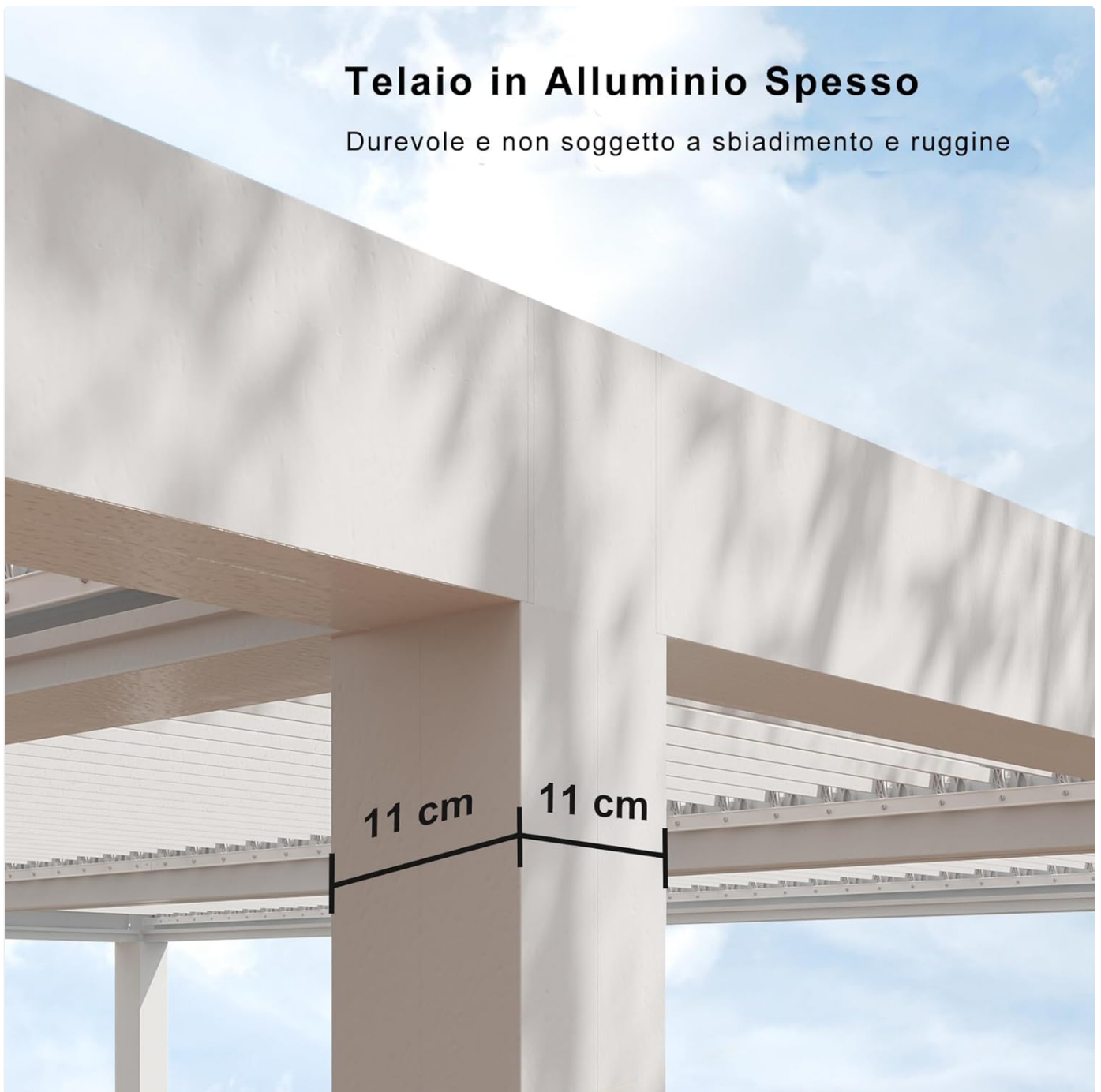


Figure 4.2: Detail of the thick aluminum frame construction.



Trave di Supporto

Maggiore capacità portante e migliore resistenza al vento

Figure 4.3: Support beams providing increased load-bearing capacity.

4.4 Louver Installation

Install the aluminum louvers onto the roof structure. Pay attention to the orientation and ensure they are correctly aligned for proper operation of the adjustment mechanism.



Figure 4.4: Aluminum louvers designed for daily use.

5. OPERATING INSTRUCTIONS

5.1 Adjusting the Louvers

The pergola features an easy-to-use crank mechanism to adjust the angle of the roof louvers. This allows you to control the amount of sunlight and shade in your outdoor area.

- To open the louvers, turn the crank handle in the designated direction (usually clockwise).
- To close the louvers, turn the crank handle in the opposite direction (usually counter-clockwise).
- You can set the louvers to any desired angle between fully open and fully closed.



Figure 5.1: Crank mechanism for effortless louver rotation.

Lamelles Réglables

Vous pouvez régler librement le rapport entre la lumière et l'obscurité

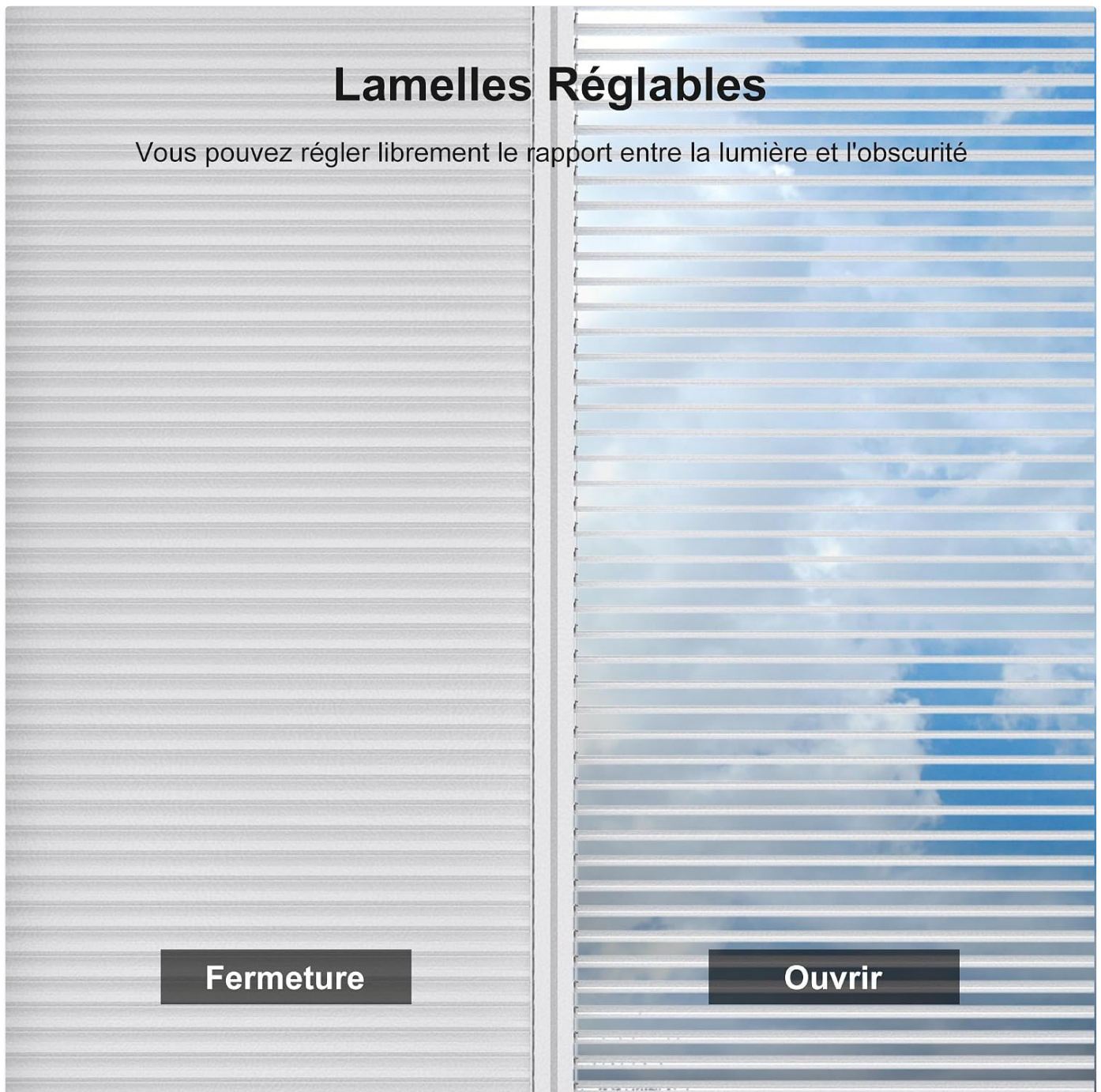


Figure 5.2: Louvers in closed (left) and open (right) positions.

5.2 Rainwater Drainage

The integrated drainage system ensures that rainwater is efficiently channeled away. When the louvers are closed, water collects in the drainage grooves and flows through the frame into the support posts, exiting at the base.

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Video 5.1: Demonstration of the pergola's features, including louver operation and overall design. This video highlights the functionality and aesthetic integration of the pergola in an outdoor setting.

6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your PURPLE LEAF Bioclimatic Pergola.

- **Cleaning:** Clean the aluminum frame and louvers periodically with mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the powder coating.

- **Inspection:** Annually inspect all structural components, bolts, and the crank mechanism for any signs of wear, damage, or loosening. Tighten any loose fasteners.
- **Drainage System:** Ensure the drainage grooves and posts are free from debris (leaves, dirt) to prevent water accumulation.
- **Winter Care:** In areas with heavy snowfall, it is advisable to keep the louvers open to prevent snow accumulation on the roof, which could cause structural stress.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your pergola.

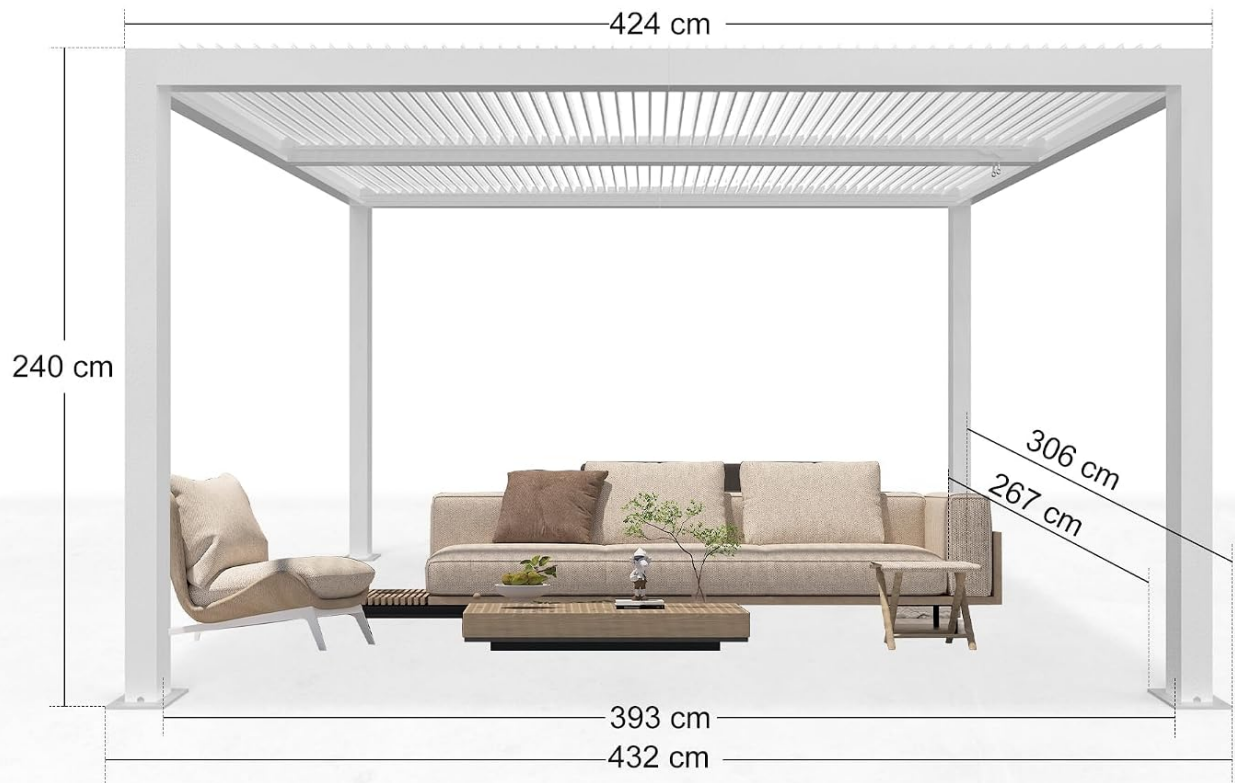
Problem	Possible Cause	Solution
Louvers difficult to adjust.	Debris in mechanism, lack of lubrication, or bent louver.	Clean the mechanism. Apply a silicone-based lubricant. Inspect louvers for damage.
Water pooling on roof.	Louvers not fully closed, or drainage system blocked.	Ensure louvers are fully closed. Clear any debris from drainage grooves and posts.
Pergola feels unstable.	Loose anchor bolts or uneven foundation.	Check and tighten all anchor bolts. Verify the foundation is level. Consult a professional if necessary.
Squeaking noise during operation.	Friction in the crank mechanism or louver pivots.	Apply a suitable lubricant to moving parts.

8. SPECIFICATIONS

Detailed specifications for the PURPLE LEAF Bioclimatic Pergola (Model B0F5395CW6).

- **Brand:** PURPLE LEAF
- **Model:** B0F5395CW6
- **Dimensions:** 4.24 x 3 meters (Length x Width)
- **Material:** Aluminum (Frame and Louvers)
- **Color:** White
- **Water Resistance:** Waterproof
- **UV Protection:** Yes
- **Assembly Required:** Yes
- **Wind Resistance:** Up to Force 7

Dimensioni del Prodotto



Pilastro : 11 x 11 cm
Base : 18 x 18 cm

Figure 8.1: Product Dimensions (424 cm x 306 cm x 240 cm height).

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact PURPLE LEAF customer service. Keep your purchase receipt and model number (B0F5395CW6) handy when contacting support.

Contact information can typically be found on the manufacturer's official website or through your point of purchase.