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- > [PURPLE LEAF](#) /
- > [PURPLE LEAF 10' x 12' Louvered Aluminum Pergola Instruction Manual](#)

## PURPLE LEAF ZY05-KSPERGOLA

# PURPLE LEAF 10' x 12' Louvered Aluminum Pergola Instruction Manual

## INTRODUCTION

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Welcome to your new PURPLE LEAF Louvered Pergola. This manual provides essential information for the safe assembly, operation, and maintenance of your outdoor structure. Please read all instructions carefully before beginning assembly or use. This pergola is designed to enhance your outdoor living space with adjustable shade and robust construction.



Image: A fully assembled PURPLE LEAF 10' x 12' Louvered Pergola providing shade over an outdoor seating area.

## SAFETY INFORMATION

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Adhering to these safety guidelines is crucial for preventing injury and damage to your pergola.

- Ensure the pergola is anchored firmly to the ground using appropriate hardware for your surface type.
- Do not exceed the weight limit of 238.5 pounds on any part of the structure.
- Install the pergola on a level surface to ensure stability and proper drainage.
- Open the louvers during high winds (above 70 mph) or heavy snow conditions (above 8.2 psf) to prevent structural damage.
- Remove or raise any additional shade screen accessories as needed during adverse weather conditions.

## PRODUCT FEATURES

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- **Aluminum Louvered Roof:** Engineered with thick, reinforced aluminum louvers, this roof is built to withstand winter conditions and protect your outdoor space. It supports snow loads up to 8.2 psf and is designed to prevent sagging. The louvers can be rotated from 0° (fully closed) to 85° (nearly fully open) to adjust shade and airflow.
- **Efficient Drainage System:** The pergola features an integrated drainage system that channels rainwater through internal gutters and down the four support posts. This design prevents water pooling on the roof, keeping your patio cleaner and drier.
- **Strong All-Aluminum Frame:** Constructed with a high-strength, powder-coated aluminum structure, the pergola resists rust and corrosion. It is engineered to withstand heavy winds up to 70 mph, ensuring long-term stability and durability.
- **Reinforced 4.53" Support Poles:** Oversized aluminum poles provide superior strength and structural balance. These robust supports contribute to the pergola's year-round durability, maintaining stability in various weather conditions.
- **Optimal Outdoor Living Space:** Sized for dining or lounging, this 10' x 12' pergola can comfortably accommodate a 4–6 seat dining set or a compact sofa arrangement, enhancing patios, decks, and backyards with functional outdoor space.

# 4.53" x 4.53" Upgraded Pole

Withstands **70 mph** winds and **2.4 inches** of snow with ease.



**OTHER BRAND**

2.5 " x 2.5 "



**PURPLE LEAF**

4.53 " x 4.53 "



**OTHER BRAND**

3 " x 3 "

Image: A visual comparison illustrating the robust 4.53-inch upgraded support poles of the PURPLE LEAF pergola against smaller alternatives.

# Two Independent Adjustable Roofs

Reliable protection, customizable for any weather.



Image: An aerial view showcasing the two independently adjustable louvered roof sections of the pergola, allowing for customized shade.

## SETUP AND INSTALLATION

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Careful assembly is key to the longevity and stability of your pergola. Please follow the detailed instructions provided in your product packaging. Below is a general overview.

### Preparation

- Choose a level surface for installation to ensure proper function of the drainage system and overall stability.
- Unpack all components and verify against the parts list in your included manual.
- Gather any additional tools not provided, though most necessary tools are included.
- It is highly recommended to have at least two people for the assembly process.

### Assembly Steps (Overview)

1. Assemble the main frame structure by connecting the posts and horizontal beams.

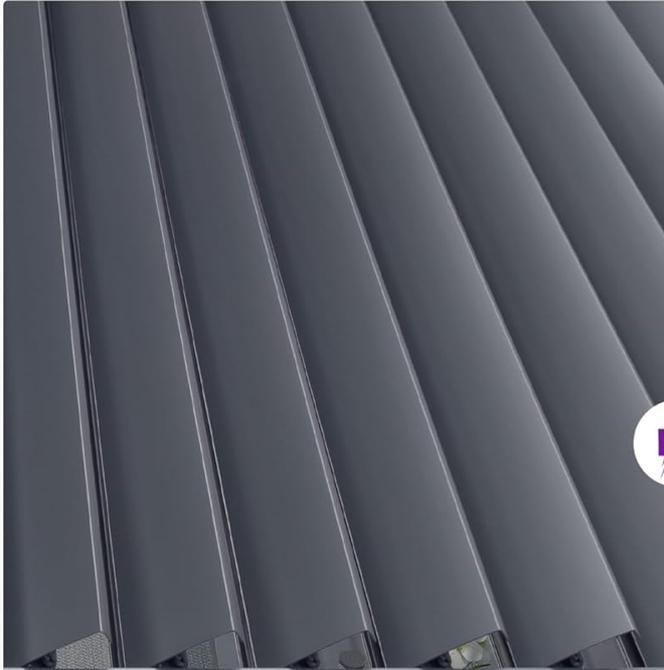
2. Install the louver panels onto the roof frame, ensuring they are correctly aligned for smooth operation.
3. Attach the integrated drainage system components, including any internal gutters or downspouts.
4. Securely anchor the pergola to the ground using the provided hardware and following local building codes.

### Visual Guide for Assembly



Image: An overview of the pergola structure, illustrating the frame and roof components during assembly.

# Extended Longevity



## PURPLE LEAF

### All-Aluminum Louvers

Built for lasting durability,  
rust-free performance.

## OTHERS

### Steel Louvers

May rust within 1 year  
and have lower weight capacity.

Image: A detailed view of a pergola post base, showing the designated anchor points for secure ground installation.

Your browser does not support the video tag.

Video: This video demonstrates the assembly process of the PURPLE LEAF Louvered Pergola, showing how components fit together and the ease of installation.

## OPERATING INSTRUCTIONS

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### Adjusting Louvers

The pergola features an adjustable louvered roof, allowing you to control sunlight and airflow. Use the provided crank handle to rotate the louvers from 0° (fully closed, providing full shade and rain protection) to 85° (nearly fully open, allowing maximum sunlight and ventilation).

# Thoughtful Elegant Design



Rounded Edge



Hidden Screws



Less Care



**PURPLE LEAF**

**OTHERS**

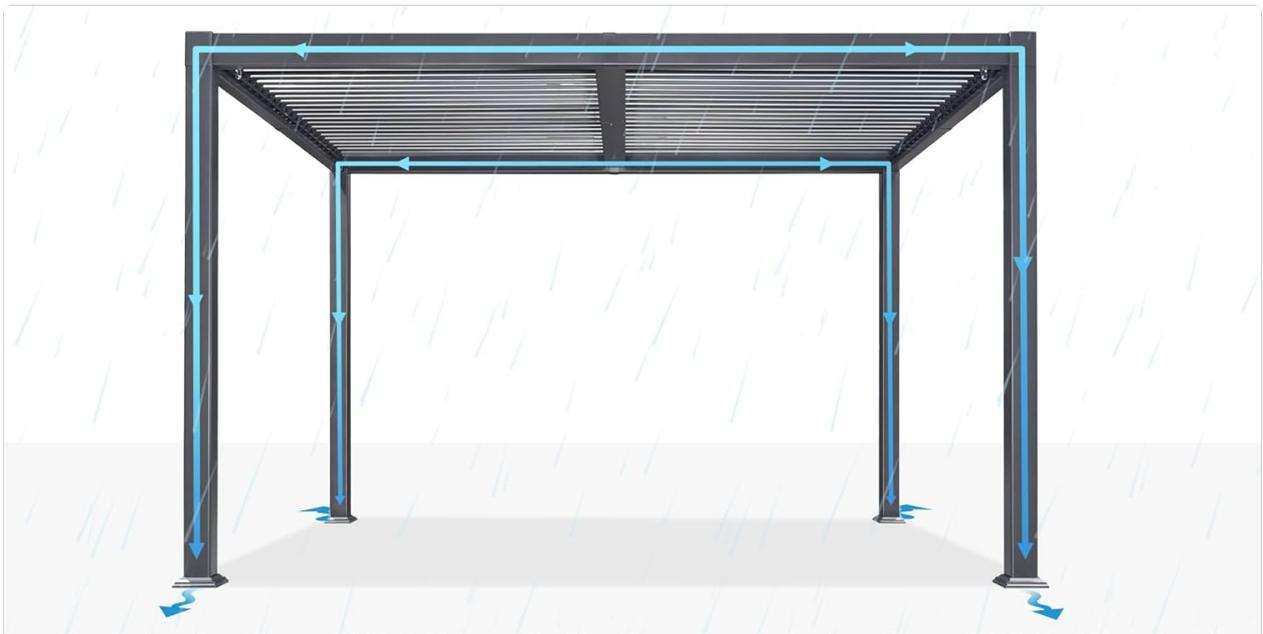
Image: A person demonstrating the adjustment of the louvered roof using the crank handle to control sun exposure.

Your browser does not support the video tag.

Video: This video illustrates the operation of the adjustable louvers and the integrated drainage system, showcasing how to manage sun, shade, and rain effectively.

## Integrated Drainage System

When the louvers are closed, the integrated drainage system collects rainwater from the roof and directs it down through the hollow interior of the posts. This design ensures that water is efficiently managed, preventing pooling and keeping the area beneath the pergola dry.



## Efficient Drainage System

Rainwater flows through pipes, preventing pooling and protecting your space.



Rain-collecting



Water-guiding



Drain out

Image: A diagram showing the path of rainwater through the pergola's integrated gutters and down the posts.

## MAINTENANCE

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Regular maintenance will help preserve the appearance and functionality of your PURPLE LEAF Louvered Pergola.

- **Cleaning:** Clean the aluminum frame and louvers periodically with a soft cloth, mild soap, and water. Rinse thoroughly with clean water. Avoid using abrasive cleaners, harsh chemicals, or stiff brushes that could damage the powder-coated finish.
- **Drainage System:** Regularly inspect and clear any debris (leaves, twigs, etc.) from the louver channels and internal gutters to ensure proper water flow and prevent blockages.
- **Hardware Check:** Periodically check all bolts, screws, and connections to ensure they remain tight. Tighten any loose fasteners to maintain structural integrity.
- **Winter Care:** In areas with heavy snowfall, it is recommended to keep the louvers open to prevent excessive snow accumulation, which can put undue stress on the structure.

## TROUBLESHOOTING

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Here are solutions to common issues you might encounter:

## Louvers not adjusting smoothly

- **Obstructions:** Check for any physical obstructions (e.g., debris, leaves) in the louver mechanism or channels.
- **Crank Handle:** Ensure the crank handle is fully and correctly engaged with the operating mechanism.
- **Lubrication:** If movement is stiff, apply a silicone-based lubricant to the moving parts of the louver mechanism.

## Water pooling on roof

- **Louver Position:** Verify that the louvers are fully closed to engage the drainage system.
- **Drainage Blockages:** Inspect the drainage channels and posts for any blockages such as leaves or other debris. Clear them as necessary.
- **Level Surface:** Confirm that the pergola is installed on a perfectly level surface. Uneven installation can impede proper water runoff.

## SPECIFICATIONS

Feature	Detail
Brand	PURPLE LEAF
Model Number	ZY05-KSPERGOLA
Material	Aluminum
Color	Grey Frame
Product Dimensions	140.78"L x 111.32"W x 92.58"H (Approx. 10' x 12')
Item Weight	238.5 Pounds
Water Resistance Level	Waterproof
Ultraviolet Light Protection	UPF 50+
Wind Resistance	Up to 70 mph
Snow Load Capacity	Up to 8.2 psf
Assembly Required	Yes

## WARRANTY AND SUPPORT

Your PURPLE LEAF Louvered Pergola comes with a **1-year frame warranty**. This warranty covers defects in materials and workmanship under normal use and service. For any questions, assistance with assembly, missing parts, or to make a warranty claim, please contact PURPLE LEAF customer support directly through the retailer where the product was purchased. Please have your proof of purchase and model number (ZY05-KSPERGOLA) ready when contacting support.

