Nuvo Iron LSB48

Nuvo Iron LSB48 Louver Blinds & Shutter System Hardware Kit Instruction Manual

Model: LSB48

1. Product Overview

The Nuvo Iron Louver Blinds & Shutter System Hardware Kit provides a versatile solution for creating adjustable louvered structures. This kit allows you to easily change the angle of the louvers to control rain, sun, and airflow. It is designed for use with panels up to 48 inches wide.

This hardware kit is made from strong, durable plastic with added UV protectant, ensuring long-lasting performance and rust resistance. It is suitable for various applications, including hot tub and pool enclosures, privacy walls, or pergola roofs.

Important Note: This kit contains only the hardware. Wooden boards, glass, or vinyl panels for the slats are **not included** and must be sourced separately. The system is designed to work with 5 1/2 inch wide panels.

Image 1.1: Packaging for the Nuvo Iron Louver Blinds & Shutter System Hardware Kit (2 Pack).

2. Package Contents

Each Nuvo Iron LSB48 Hardware Kit (1 Pack) includes the following components. This product is a 2-pack, so you will receive double the quantities listed below:

- **Actuators:** 10 pieces per pack (20 total for 2-pack)
- **Brackets:** 22 pieces per pack (44 total for 2-pack)
- **Screws:** Sufficient quantity for assembly

One kit (1 pack) allows for the installation of up to 11 wooden boards/slats.

Image 2.1: Individual components of the hardware kit, including actuators, brackets, and screws.

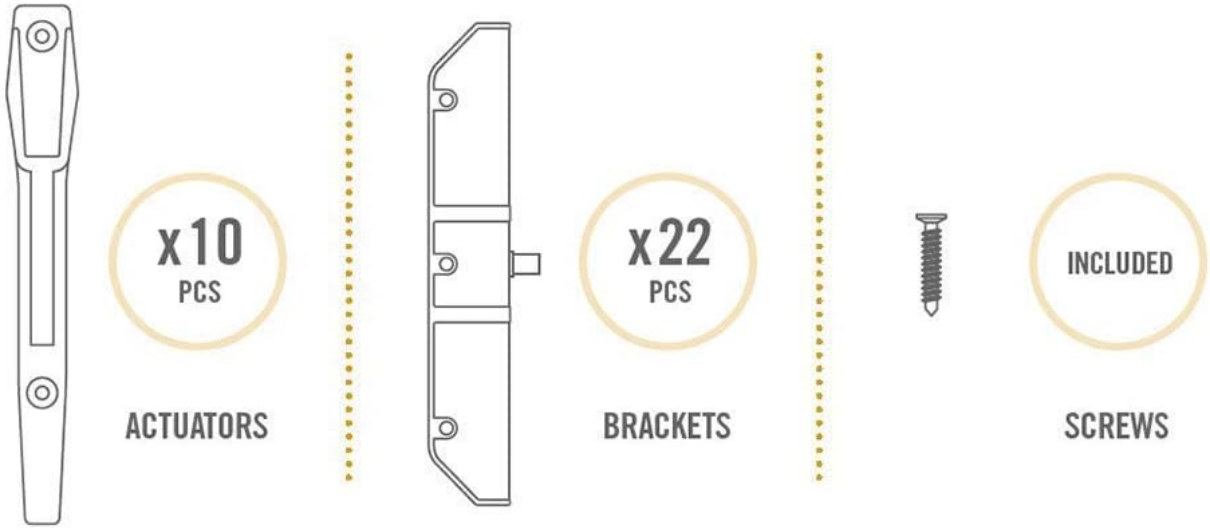

Image 2.2: Diagram illustrating the quantity of actuators, brackets, and screws included in one kit.

3. Setup and Installation

Before beginning installation, consult your local or regional municipalities for any applicable building code requirements in your area. The installation process typically takes approximately 45 minutes per kit.

3.1 Required Tools (Not Included)

- Drill
- Measuring Tape
- Pencil
- Level
- Safety Glasses

3.2 Installation Steps

The following steps outline the standard installation process. For detailed visual instructions, refer to Image 3.1.

1. **Prepare the Frame:** Ensure you have a sturdy frame to mount the louver system. The system is designed for panels up to 48 inches wide.
2. **Mark Bracket Positions:** Measure and mark the positions for the brackets on your vertical frame elements. Ensure even spacing for the slats.
3. **Attach Brackets:** Securely attach the brackets to the marked positions using the provided screws.
4. **Insert Slats:** Slide your chosen 5 1/2 inch wide wood, glass, or vinyl panels into the brackets.
5. **Install Actuators:** Attach the actuators to the side of the frame, connecting them to the slats. This mechanism allows for simultaneous adjustment of all slats.
6. **Test Operation:** Verify that all slats move smoothly and can be adjusted to various angles.

For alternative installation methods, such as creating a fixed board at the top and bottom, refer to the online instructions or the detailed diagram in Image 3.1.

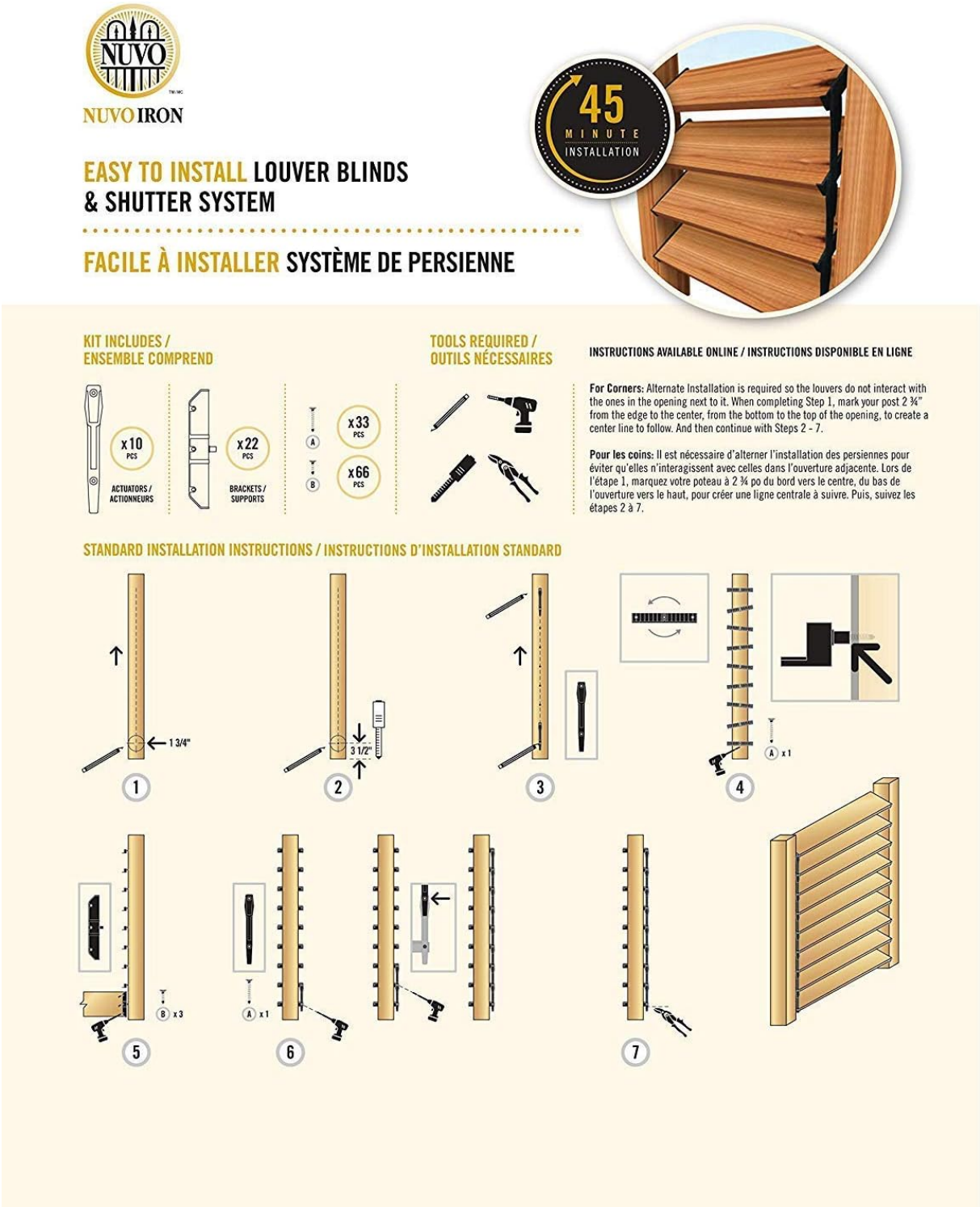

Image 3.1: Step-by-step installation guide for the louver system.

Image 3.2: Example of the louver system installed on a patio, providing adjustable shading.

Image 3.3: The louver system integrated into a deck railing for privacy and environmental control.

4. Operating Instructions

The Nuvo Iron Louver System allows for easy adjustment of the louver angles. Once installed, simply use the actuator mechanism to tilt all connected slats simultaneously. This enables you to:

- **Control Sunlight:** Adjust the slats to block direct sun or allow more light to filter through.
- **Manage Airflow:** Open the slats to encourage air circulation or close them for wind protection.
- **Provide Privacy:** Close the slats for increased privacy in areas like patios or enclosures.
- **Divert Rain:** Angle the slats to help direct rainwater away from your protected area.

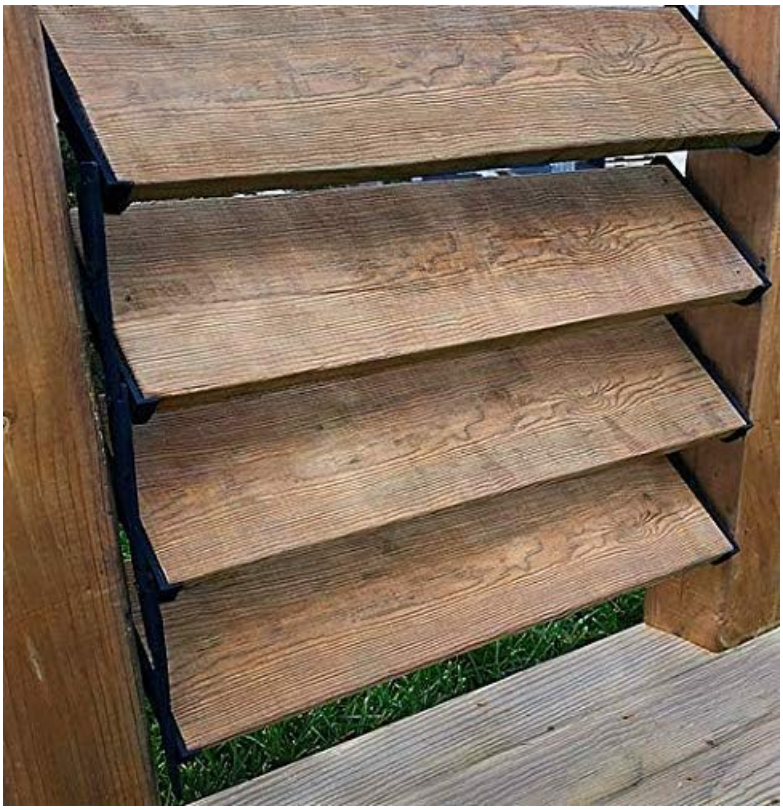

Image 4.1: Close-up view of the adjustable louvers, demonstrating their functionality.

5. Maintenance

The Nuvo Iron Louver System hardware is designed for low maintenance. The plastic components are strong, durable, rust-resistant, and include a UV protectant for long-lasting outdoor use.

- **Cleaning:** Periodically clean the hardware with mild soap and water to remove dirt and debris. Avoid abrasive cleaners.
- **Inspection:** Regularly inspect all components for any signs of wear or damage. Ensure all screws remain tight.
- **Lubrication:** If the louver movement becomes stiff, a silicone-based lubricant can be applied to the moving parts of the actuators and brackets.

The maintenance of the slats (wood, glass, or vinyl) will depend on the material chosen and should follow the manufacturer's recommendations for that specific material.

6. Troubleshooting

This section addresses common issues you might encounter with your louver system.

6.1 Louvers Not Moving Smoothly

- **Check for Obstructions:** Ensure no debris or foreign objects are lodged in the louver mechanism or between the slats.
- **Inspect Fasteners:** Verify that all screws securing the brackets and actuators are properly tightened. Loose fasteners can cause misalignment.
- **Lubricate Moving Parts:** Apply a silicone-based lubricant to the pivot points of the actuators and brackets.
- **Slat Dimensions:** Confirm that the slats used are 5 1/2 inches wide and are not binding due to incorrect sizing or warping.

6.2 Gaps Between Closed Louvers

- **Verify Slat Installation:** Ensure slats are fully seated in their brackets and correctly aligned.
- **Check Actuator Connection:** Confirm the actuator is properly engaged with all slats to ensure uniform closure.

7. Specifications

Brand	Nuvo Iron
Model Number	LSB48
Material	Plastic (with UV protectant)
Color	White (hardware)
Designed for Slat Width	5 1/2 inches
Maximum System Width	Up to 48 inches
Item Weight (per 2-pack)	3.59 pounds
Product Dimensions (per 2-pack)	11.1 x 9.7 x 2.9 inches
Mounting Type	Outside Mount

8. Customer Support

For further assistance, questions, or to report any issues, please contact Nuvo Iron customer support. Refer to the product packaging or the official Nuvo Iron website for current contact information.

Website: www.nuvoiron.com

Phone: 1-866-955-0355

Email: info@nuvoiron.com