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## Decor Grates LFGS212-NKL

# Decor Grates LFGS212-NKL Low Profile Floor Register User Manual

Model: LFGS212-NKL | Brand: Decor Grates

## INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Decor Grates LFGS212-NKL Low Profile Floor Register. This 2-inch by 12-inch floor register features a Feng Shui design and a brushed nickel finish, engineered to sit only 2mm above the floor for a sleek, integrated look. Constructed with durable materials, this register is designed for long-lasting performance in your HVAC system.

## PRODUCT FEATURES

- Low Profile Design: Sits only 2mm above the floor for a seamless appearance.
- Durable Construction: Made from steel with a brushed nickel finish.
- Feng Shui Pattern: An aesthetic design element for enhanced decor.
- High-Impact Polystyrene Damper Box: Ensures long-lasting and reliable airflow control.
- Easy Installation: Designed for simple drop-in installation without the need for tools.

## SETUP AND INSTALLATION

The Decor Grates Low Profile Floor Register is designed for straightforward installation. No special tools are required.

1. **Prepare the Vent Opening:** Ensure the floor vent opening is clean and free of debris. Verify the dimensions of your vent opening match the register size (2 inches by 12 inches for this model).
2. **Drop-in Installation:** Simply align the damper box of the floor register with the vent opening and gently lower it into place. Ensure it sits flush with the floor surface.

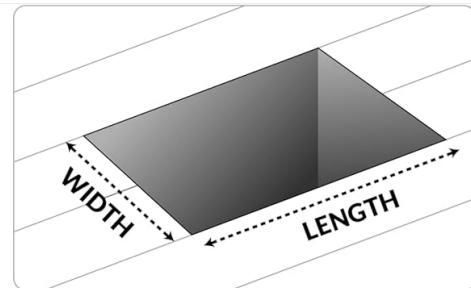


Figure 1: Top view of the Decor Grates Low Profile Floor Register installed in a wooden floor. This image illustrates how the register sits flush with the floor surface.

# Size Guide

Vent sizing may be vary, so confirm you are receiving the right size by using the chart below.

**EXAMPLE:** If your vent length is 9.85" and the width is 4.10" then choose the 4" x 10" register.



VENT LENGTH	VENT WIDTH	REGISTER SIZES
9.75" – 10.25"	2.25" – 2.50"	2" x 10"
11.75" – 12.25"	2.25" – 2.50"	2" x 12"
13.75" – 14.25"	2.25" – 2.50"	2" x 14"
9.75" – 10.25"	2.80" – 3.25"	3" x 10"
7.80" – 8.25"	3.80" – 4.25"	4" x 8"
9.75" – 10.25"	3.80" – 4.25"	4" x 10"
11.75" – 12.25"	3.80" – 4.25"	4" x 12"
13.75" – 14.25"	3.80" – 4.25"	4" x 14"
9.75" – 10.25"	5.80" – 6.25"	6" x 10"
11.75" – 12.25"	5.80" – 6.25"	6" x 12"
13.75" – 14.25"	5.80" – 6.25"	6" x 14"

Figure 2: Dimensional diagram of the floor register. Key measurements include a grate length of 11.40 inches, grate width of 4.42 inches, damper box length of 9.70 inches, and damper box width of 2.77 inches.



Figure 3: Size Guide. This table helps in selecting the correct register size based on your vent's length and width. For example, a vent with 9.75"-10.25" length and 2.25"-2.50" width corresponds to a 2" x 10" register.

## OPERATION

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The Decor Grates floor register features an integrated damper box for controlling airflow. The damper can be easily adjusted to open or close, regulating the amount of air flowing through the vent. Simply slide the lever located on the damper box to achieve the desired airflow.



Figure 4: Bottom view of the register, illustrating the damper box mechanism. The black plastic damper can be seen, which controls airflow.

## MAINTENANCE

To ensure the longevity and optimal performance of your Decor Grates floor register, follow these simple maintenance guidelines:

- **Cleaning:** Periodically wipe the surface of the register with a soft, damp cloth to remove dust and debris. Avoid abrasive cleaners or harsh chemicals that could damage the brushed nickel finish.
- **Damper Check:** Occasionally check the damper mechanism to ensure it moves freely and is not obstructed by dust or small particles.
- **Filter Compatibility:** Note that a filter retainer and filter are sold separately and are not included with this register. If you wish to add a filter, ensure it is compatible with the register's dimensions.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your floor register.

- **Register Does Not Sit Flush:**

- Ensure the vent opening is clear of any obstructions.
- Verify that the register size matches your vent opening dimensions.

- **Airflow Issues:**

- Check if the damper is fully open.
- Ensure there are no blockages within the ductwork or the damper box.

- **Noise from Register:**

- Ensure the register is securely seated in the vent opening.
- Check for any loose components within the damper mechanism.

## SPECIFICATIONS

<b>Model Number</b>	LFGS212-NKL
<b>Size</b>	2X12 inches (Feng Shui design)
<b>Color</b>	Brushed Nickel
<b>Material</b>	Steel (Grate), High-Impact Polystyrene (Damper Box)
<b>Profile Height</b>	2mm above floor
<b>Item Weight</b>	3.96 Kilograms (approx. 8.73 lbs)
<b>Overall Grate Dimensions (L x W)</b>	11.40 inches x 4.42 inches (approx. 28.96 cm x 11.23 cm)
<b>Damper Box Dimensions (L x W)</b>	9.70 inches x 2.77 inches (approx. 24.64 cm x 7.04 cm)
<b>Included Components</b>	Floor Register with integrated damper box

Manufacturer

Decor Grates Inc

## **WARRANTY AND SUPPORT**

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Decor Grates products are manufactured with quality and customer satisfaction in mind. For specific warranty information or technical support, please refer to the official Decor Grates website or contact their customer service directly. Keep your purchase receipt for any warranty claims.

For further assistance, please visit: [www.decorgrates.com](http://www.decorgrates.com) (Note: This is a placeholder link as no specific support link was provided in the product data.)

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