

deerdance SN0GG01

deerdance LED Barn Light (Model SN0GG01) Instruction Manual

80W 120V Hardwired Dusk to Dawn Outdoor Lighting

1. IMPORTANT SAFETY INFORMATION

This AC 120V barn light is a hardwired fixture that requires professional electrical installation. Before beginning any work, you **MUST** disconnect the main power at the circuit breaker. If you are not familiar with electrical wiring, we strongly recommend hiring a professional electrician to ensure a safe and proper installation.

Always ensure the power supply is disconnected before installation, maintenance, or cleaning to prevent electric shock.

2. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 1 x LED Barn Light (Corded Electric)
- 1 x Instruction Manual
- 1 x Hanging Board
- 4 x Screws
- 4 x Screws Expansion Rubber Plugs



Figure 2.1: Included accessories for the deerdance LED Barn Light.

3. PRODUCT FEATURES

- **High Brightness:** Delivers 10,000 lumens with 5000K daylight color temperature for enhanced visibility.
- **Dusk-to-Dawn Operation:** Integrated photocell sensor automatically turns the light on at dusk and off at dawn, optimizing energy use.
- **Durable Construction:** Made from die-cast aluminum with an IP65 waterproof rating, ensuring resistance to corrosion and various weather conditions (operates from -13°F to 113°F).
- **Energy Efficient:** Designed to be up to 80% more energy-saving compared to traditional 400W HPS or halogen bulbs.
- **Wide Coverage:** Provides extensive illumination, approximately 82 x 82 feet when mounted at 26 feet.



Figure 3.1: Comparison of light output between a traditional HPS bulb and the deerdance LED Barn Light.

Energy Saving

Dusk to Dawn Photocell

Auto-off at daytime
auto-on at night

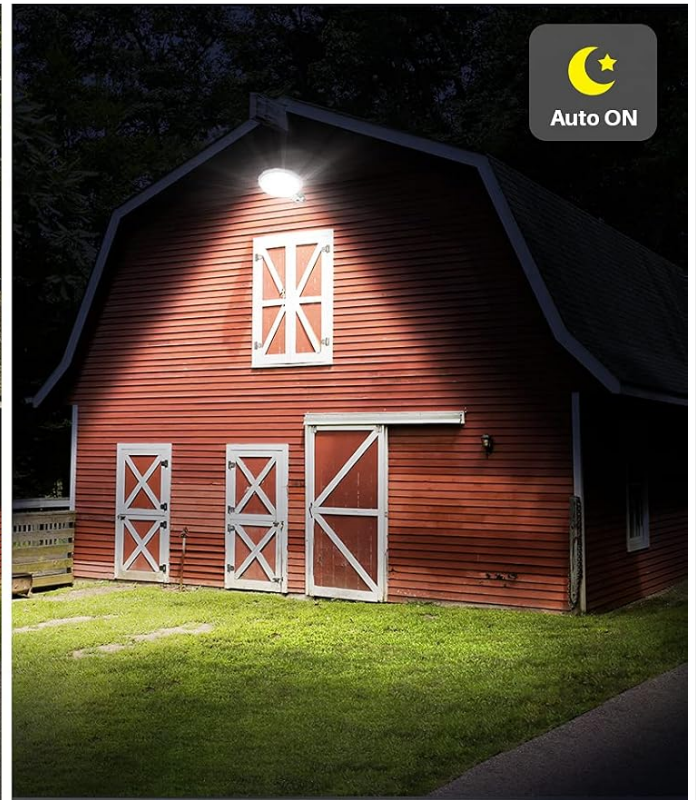


Figure 3.2: Illustration of the energy-saving dusk-to-dawn photocell feature.



Figure 3.3: Details on the IP65 waterproof rating and durable construction of the light.

Video 3.1: Demonstration of the deerdance 80W barn light's waterproof capabilities.

Video 3.2: Overview of the deerdance 80W dusk to dawn barn light's features.

4. SETUP AND INSTALLATION

The deerdance LED Barn Light offers flexible installation options, compatible with both wall and pole mounting. A mounting arm for pole installation is not included.

Installation Steps:

1. **Safety First:** Before starting, ensure the main power at the circuit breaker is disconnected.
2. **Choose Mounting Location:** Select a suitable location for either wall or pole mounting. For optimal coverage, consider mounting the light at a height of up to 26 feet.
3. **Attach Hanging Board:** Secure the hanging board to the desired surface using the provided screws and expansion rubber plugs.
4. **Wire Connection:** Connect the light's wires to your AC 120V power source. Refer to local electrical codes and diagrams for proper wiring. If unsure, consult a professional electrician.

5. **Mount the Light:** Attach the LED barn light to the hanging board or pole mounting arm (if using) securely.
6. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.

Installation can typically be completed within 15 minutes by a qualified individual.

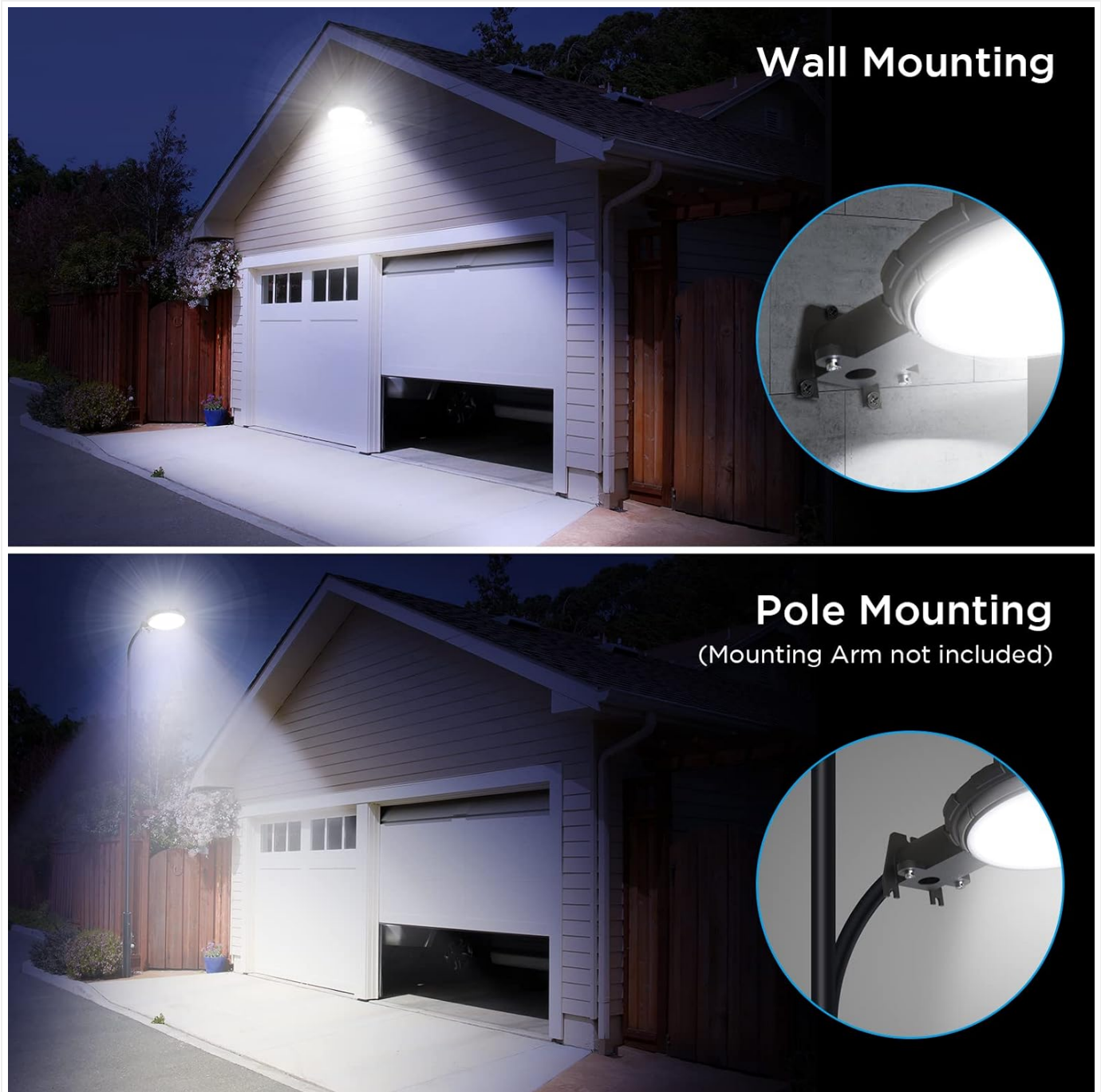


Figure 4.1: Wall and Pole Mounting options for the LED Barn Light.



Figure 4.2: Light coverage area based on mounting height.

Video 4.1: A brief overview of the deerdance 80W 10000LM Dusk to Dawn LED Barn Light, including installation aspects.

5. OPERATING INSTRUCTIONS

The deerdance LED Barn Light features an intelligent dusk-to-dawn photocell sensor for automatic operation.

Automatic Operation:

- The built-in photocell sensor detects ambient light levels.
- At dusk, when natural light diminishes, the light will automatically turn on.
- At dawn, when sufficient natural light returns, the light will automatically turn off.

No manual intervention is required for daily operation, providing hands-free convenience and energy savings.

6. MAINTENANCE

The deerdance LED Barn Light is designed for minimal maintenance due to its durable construction and LED technology.

General Care:

- **Cleaning:** Periodically clean the light's surface with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners or solvents.
- **Inspection:** Annually inspect the mounting hardware and electrical connections to ensure they remain secure and free from damage.
- **Photocell:** Ensure the photocell sensor is clear of obstructions (e.g., leaves, dirt) to maintain proper dusk-to-dawn functionality.

Always disconnect power before performing any cleaning or inspection.

7. TROUBLESHOOTING

If you encounter issues with your deerdance LED Barn Light, refer to the following common troubleshooting steps:

- **Light Does Not Turn On:**
 - Check if the power supply is connected and the circuit breaker is on.
 - Ensure the photocell sensor is not obstructed by debris or covered, preventing it from detecting darkness.
 - Verify that the wiring connections are secure and correct.
- **Light Stays On During Daytime:**
 - Check if the photocell sensor is obstructed or dirty, preventing it from detecting daylight.
 - Ensure there are no other light sources (e.g., nearby streetlights, other fixtures) shining directly onto the photocell sensor, causing it to remain in night mode.
- **Light Flickers or is Dim:**
 - Verify stable power supply and proper voltage (AC 120V).
 - Check for loose wiring connections.

If these steps do not resolve the issue, please contact customer support for further assistance.

8. SPECIFICATIONS

Brand	deerdance
Model Number	SN0GG01
Wattage	80 watts
Brightness	10000 Lumens
Light Color	Cool White (5000K)
Voltage	120 Volts
Control Method	Dusk to dawn photocell
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	IP65 Waterproof
Material	Aluminum, Polycarbonate
Item Dimensions (L x W x H)	7.75"L x 2.45"W x 11.25"H
Item Weight	1.98 Pounds
Operating Temperature	-13°F to 113°F

9. WARRANTY AND SUPPORT

The deerdance LED Barn Light comes with a 12-month limited warranty from the manufacturer.

For warranty claims, technical support, or any questions not covered in this manual, please contact deerdance customer service through the retailer where the product was purchased.

ASK A QUESTION ABOUT THIS MANUAL

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