

OKPRO MSK-100

OKPRO LED Barn Light Outdoor Instruction Manual

Model: MSK-100

Brand: OKPRO

1. PRODUCT OVERVIEW

The OKPRO LED Barn Light Outdoor (Model MSK-100) is designed for outdoor area illumination, featuring a dusk-to-dawn photocell sensor for automatic operation. This 150W LED light provides 15,000 lumens of 6500K daylight illumination and is constructed with an IP65 waterproof rating for durability in various weather conditions.

The light features a 3-sided curved frosted lampshade designed to expand the illumination zone, providing broad coverage for spaces such as streets, barns, warehouses, and garages.

2. SAFETY INSTRUCTIONS

Please read all safety instructions before installation and operation to prevent injury or damage.

- **Electrical Safety:** Ensure power is disconnected at the circuit breaker before installation or maintenance. All wiring should comply with local electrical codes. If unsure, consult a qualified electrician.
- **Voltage:** This product is designed for AC100-120V input voltage. Do not connect to other voltage sources.
- **Mounting:** Mount the fixture securely to a stable surface capable of supporting its weight.
- **Heat:** The light fixture may become warm during operation. Avoid touching the fixture directly when in use.
- **Eye Protection:** Do not stare directly into the LED light source when it is illuminated, as it may cause eye strain or damage.
- **Damage:** Do not operate the light if the cord or housing is damaged.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation.

What's in the box



Image: Package contents including the LED barn light, mounting bracket, hex key, screws, and wire nuts. The light fixture measures approximately 7.8 inches in diameter and 11 inches in length with the bracket, with a 1.75-inch bracket width.

- LED Barn Light Fixture (x1 or x2, depending on pack)
- Mounting Bracket
- Hex Key
- Mounting Screws
- Wire Nuts
- Instruction Manual

4. PRODUCT SPECIFICATIONS

Model Number	MSK-100
Power Consumption	150W
Luminous Flux	15,000 Lumens

Color Temperature	6500K (Daylight)
Input Voltage	AC100-120V
Cord Length	2.6 feet
IP Rating	IP65 Waterproof
Material	Aluminum
Dimensions	19.99 x 7.49 x 28.5 cm (approx. 7.8 x 2.9 x 11.2 inches)
Weight	1.66 kg (approx. 3.66 lbs)

5. INSTALLATION GUIDE

The LED barn light can be installed via wall mount or pole mount. Ensure power is off before installation.

5.1 Mounting Options

Easy Install

Hassle-Free Setup for Everyone



Wall Mount



Pole Mount (Pole Not Included)



Image: Illustration of the LED barn light mounted on a wall and on a pole. The image also displays the hex key, screws, and wire nuts provided for installation.

Wall Mount Installation:

1. **Prepare the Mounting Surface:** Choose a sturdy wall location. Mark the drilling points for the mounting bracket.
2. **Attach the Bracket:** Drill holes and secure the mounting bracket to the wall using the provided screws. Ensure it is firmly attached.
3. **Mount the Light Fixture:** Attach the LED barn light to the secured mounting bracket. Use the hex key to tighten any necessary bolts to hold the fixture in place.

Pole Mount Installation (Pole Not Included):

1. **Prepare the Pole:** Ensure the pole is stable and capable of supporting the light fixture.
2. **Attach the Bracket:** Secure the mounting bracket to the pole using appropriate pole mounting hardware (not included).
3. **Mount the Light Fixture:** Attach the LED barn light to the secured mounting bracket on the pole. Tighten all bolts with the hex key to ensure stability.

5.2 Electrical Connection

WARNING: Ensure power is OFF at the circuit breaker before wiring.

1. **Identify Wires:** The light fixture has a 2.6-foot cord with three wires: Live (Black), Neutral (White), and Ground (Green/Yellow).
2. **Connect Wires:** Using the provided wire nuts, connect the fixture's wires to your building's electrical wires:
 - Black (Fixture) to Black (Supply)
 - White (Fixture) to White (Supply)
 - Green/Yellow (Fixture) to Green/Yellow (Supply)
3. **Secure Connections:** Ensure all connections are tight and insulated.
4. **Restore Power:** Once wiring is complete and secure, restore power at the circuit breaker.

6. OPERATING INSTRUCTIONS

The OKPRO LED Barn Light features an integrated photocell for automatic dusk-to-dawn operation.

Dusk to Dawn Outdoor Lighting

Say goodbye to manual switches

Photoelectric sensor •

AUTO OFF



AUTO ON

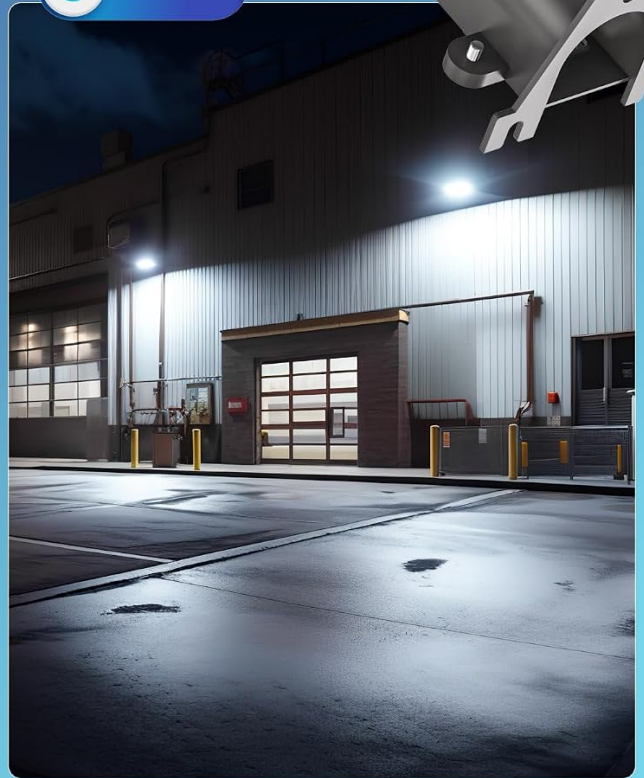


Image: A visual representation of the light's photocell sensor. During daylight hours, the sensor detects sufficient light and keeps the fixture off. As ambient light diminishes at dusk, the sensor activates the light, turning it on automatically. The light remains on throughout the night and turns off again at dawn.

- **Automatic Operation:** Once installed and powered, the built-in photocell sensor will detect ambient light levels.
- **Dusk:** When natural light decreases (at dusk), the sensor will automatically turn the light ON.
- **Dawn:** When natural light increases (at dawn), the sensor will automatically turn the light OFF.
- **No Manual Switches:** The light is designed for automatic operation and does not require manual switching.

7. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your LED barn light.

- **Cleaning:** Periodically clean the exterior of the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the photocell sensor is free from dirt or obstructions for proper operation.
- **Inspection:** Annually inspect the fixture for any signs of physical damage, loose connections, or wear on the power cord.
- **Heat Dissipation:** The fixture features a fin-design for heat dissipation. Ensure these fins are not obstructed by debris

to maintain efficient cooling.

Reliable Quality

Lighting that endures



Image: A detailed view of the light's aluminum housing, highlighting the fin-design on the back, which is engineered to speed up heat dissipation and contribute to the product's durability.

8. TROUBLESHOOTING

If you encounter issues with your LED barn light, refer to the following common problems and solutions.

- **Light Does Not Turn On at Night:**

- Check if the power supply is active at the circuit breaker.
- Ensure the photocell sensor is not obstructed by dirt, debris, or external light sources (e.g., another nearby light, reflective surfaces).
- Verify electrical connections are secure.

- **Light Stays On During the Day:**

- Check if the photocell sensor is covered or obstructed, preventing it from detecting daylight.
- Ensure no artificial light source is shining directly onto the photocell sensor during the day.

- **Light Flickers or Shuts Off Intermittently:**

- Check for loose wiring connections.
- Ensure the input voltage is stable and within the AC100-120V range.
- Inspect the power cord for any damage.

- **Reduced Brightness:**

- Clean the lampshade and LED surface to remove any accumulated dirt or dust.

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

9. WARRANTY AND CUSTOMER SUPPORT

OKPRO provides a **3-year warranty** for this LED Barn Light. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your product, please contact OKPRO customer support. Refer to the product packaging or the retailer's website for specific contact information.

10. APPLICATION EXAMPLES

The OKPRO LED Barn Light is suitable for various outdoor and indoor applications requiring broad and consistent illumination.

Warehouse



Barn



Roadside



Garage



Image: Visual examples of the LED barn light providing illumination in a snowy warehouse area, a barn exterior, a roadside path, and a garage entrance, demonstrating its versatility for different outdoor environments.

- Warehouses
- Barns
- Roadsides
- Garages
- Outdoor perimeter lighting
- Commercial building exteriors