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› SZGMJIA 70W LED Barn Light Instruction Manual

## SZGMJIA MH-US-84

# SZGMJIA 70W LED Barn Light Instruction Manual

Model: MH-US-84 | Brand: SZGMJIA

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SZGMJIA 70W LED Barn Light. This outdoor light is designed for various applications including yards, barns, farms, parking lots, garages, and alleyways, offering efficient and reliable illumination.

### Key Features:

- **High Brightness:** Delivers 10,500 lumens with 5000K daylight white light, equivalent to a 700W halogen bulb, saving over 80% on electricity.
- **Dusk-to-Dawn Photocell:** Integrated sensor automatically turns the light ON at sundown/night and OFF at sunrise/daytime.
- **Weather-Resistant:** Constructed with a die-casting aluminum lamp body for corrosion resistance and heat dissipation, featuring IP65 waterproof protection for use in temperatures from -4°F to 104°F.
- **Long Lifespan:** Offers an ultra-long lasting performance of over 50,000 hours.
- **Versatile Installation:** Supports direct wall mount and arm mounting for poles (pole mount sold separately).



Figure 1: SZGMJIA 70W LED Barn Light, showcasing its compact design and integrated features.

## 2. SAFETY INFORMATION

Please read and understand all instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause property damage or personal injury.

- Always turn off power at the circuit breaker before installation or servicing.
- Installation must be performed by a qualified electrician in accordance with all applicable local and national electrical codes.
- Ensure the mounting surface is structurally sound to support the fixture.
- Do not operate the fixture with a damaged cord or if the housing is compromised.
- Keep flammable materials away from the light fixture during operation.

## 3. PACKAGE CONTENTS

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

- 1 x SZGMJIA 70W LED Barn Light with Photocell
- 1 set x Installation Accessories (screws, anchors, wire nuts)
- 1 x Installation & Operation Guide (this manual)

## 4. SPECIFICATIONS

| Attribute | Value   |
|-----------|---------|
| Brand     | SZGMJIA |

| Attribute              | Value                    |
|------------------------|--------------------------|
| Model Number           | MH-US-84                 |
| Wattage                | 70 Watts                 |
| Brightness             | 10,500 Lumens            |
| Color Temperature      | 5000K Daylight White     |
| Voltage                | AC100-277V               |
| Water Resistance Level | IP65 Waterproof          |
| Material               | Aluminum, Polycarbonate  |
| Product Dimensions     | 14.7"L x 9.9"W x 5.5"H   |
| Item Weight            | 4.45 Pounds              |
| Average Life           | 50,000 Hours             |
| Certification          | ETL Listed               |
| Control Method         | Photocell (Dusk-to-Dawn) |

## 5. SETUP & INSTALLATION

The SZGMJIA 70W LED Barn Light can be mounted directly to a wall or to a pole using a mounting arm (sold separately). Ensure the mounting location is stable and can support the weight of the fixture.

### Installation Steps:

- 1. Prepare the Mounting Surface:** Choose a sturdy location for installation. For optimal light coverage, a mounting height between 15 to 27 feet is recommended.
- 2. Disassemble the Mounting Bracket:** Loosen the screws on the fixture's mounting bracket to separate it from the main light body.
- 3. Route Wiring:** Feed the electrical wires from your power source through the central hole in the mounting bracket.
- 4. Secure the Mounting Bracket:** Attach the mounting bracket to your desired surface (wall or pole arm) using the provided screws and anchors. Ensure it is firmly secured.
- 5. Connect Electrical Wires:** Connect the fixture's wires to your power supply wires. Typically, this involves connecting:
  - Black wire (fixture) to Live/Hot wire (power supply)
  - White wire (fixture) to Neutral wire (power supply)
  - Green wire (fixture) to Ground wire (power supply)Use the provided wire nuts to secure connections and ensure they are insulated.
- 6. Attach Light Fixture:** Align the light fixture with the secured mounting bracket and re-tighten the screws to firmly attach the light.
- 7. Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.



50,000<sup>Hrs</sup>  
Lifespan

## 70W LED Dusk to Dawn Barn Light



Figure 2: Illustration of direct wall mount and arm mounting options for the barn light.

# Excellent Heatsink



Figure 3: Product dimensions and heatsink design for efficient heat dissipation.

## Installation Video Guide:

Your browser does not support the video tag.

Video 1: A detailed guide on installing the 70W outdoor Dusk to Dawn Barn Light, including wiring and mounting steps.

## 6. OPERATING INSTRUCTIONS

The SZGMJIA 70W LED Barn Light features an integrated dusk-to-dawn photocell sensor for automatic operation.

- **Automatic Operation:** Once installed and powered, the light will automatically turn ON when ambient light levels drop (at sundown/night) and turn OFF when ambient light levels rise (at sunrise/daytime).
- **No Manual Control Needed:** The photocell eliminates the need for manual switching, providing energy-efficient and convenient lighting.
- **Photocell Placement:** Ensure the photocell sensor (small clear dome on top of the fixture) is not obstructed by objects or other light sources, as this may interfere with its proper function.

# Dusk To Dawn Barn Light

Automatically turns ON  
at sundown/night and  
OFF at sunrise/daytime



Figure 4: The integrated photocell sensor enables automatic dusk-to-dawn operation.

## 7. MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your LED Barn Light.

- **Cleaning:** Periodically clean the lens and the photocell sensor with a soft, damp cloth to remove dirt, dust, or debris that may accumulate and affect light output or sensor functionality. Do not use abrasive cleaners.
- **Inspection:** Annually inspect the fixture for any signs of damage, loose connections, or wear. Ensure all mounting hardware remains tight.
- **Weather Resistance:** The IP65 rating ensures protection against dust and water jets. However, avoid directing high-pressure water streams directly at the fixture.

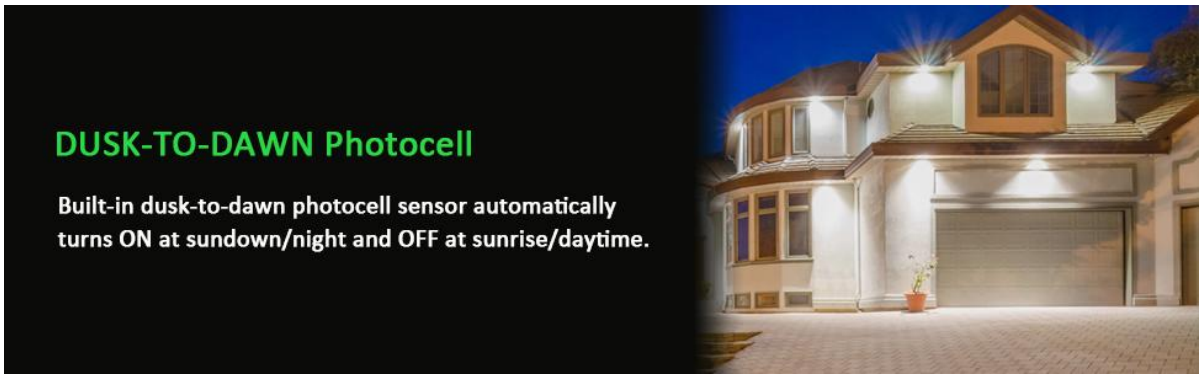


Figure 5: The IP65 waterproof design ensures durability in various weather conditions.

## 8. TROUBLESHOOTING

If you experience issues with your LED Barn Light, refer to the following common problems and solutions:

| Problem                          | Possible Cause                                                           | Solution                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Light does not turn ON at night. | No power, faulty wiring, photocell obstructed, or photocell malfunction. | Check circuit breaker. Verify wiring connections. Ensure photocell is not blocked by objects or other light sources. Contact support if issue persists. |
| Light stays ON during the day.   | Photocell obstructed, or photocell malfunction.                          | Ensure photocell is not blocked by objects or other light sources. Clean the photocell lens. Contact support if issue persists.                         |
| Light flickers or is dim.        | Loose wiring connection, insufficient power, or damaged LEDs.            | Check all wiring connections. Ensure power supply meets specifications. Contact support if issue persists.                                              |

## 9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the manufacturer or seller through your purchase platform. Keep your purchase receipt or order number handy for faster service.