

TORCHSTAR LHBL-35W50PS

TORCHSTAR LED Barn Light Instruction Manual

Model: LHBL-35W50PS

1. INTRODUCTION

Thank you for choosing the TORCHSTAR LED Barn Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new LED barn light. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

- Always disconnect power before installation or servicing.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Ensure the supply voltage is compatible with the light's requirements (110-277V).
- Do not operate the light if any part is damaged.
- Avoid direct eye exposure to the light source when illuminated.
- This product is designed for outdoor use and is IP65 waterproof.

3. PACKAGE CONTENTS

- 1 x TORCHSTAR LED Barn Light
- Mounting accessories (screws, wire nuts)
- Instruction Manual

4. PRODUCT FEATURES

- **Dusk-to-Dawn Photocell:** Automatically turns the light on at night and off during the day, optimizing energy use.
- **High Brightness:** Provides 4200 lumens of 5000K Daylight illumination.
- **Energy Efficient:** 40W LED replaces traditional 400W incandescent fixtures.
- **Durable Construction:** Features a rugged aluminum housing for corrosion resistance and excellent heat

dissipation, ensuring a long lifespan.

- **IP65 Waterproof:** Designed to withstand harsh weather conditions, impervious to rain, snow, and dust.
- **Wide Voltage Range:** Compatible with AC110-277V input for versatile applications.
- **Wide Beam Angle:** 120° floodlight for broad area coverage.
- **Certifications:** ETL & FCC Listed for safety and quality assurance.

Sturdy die-cast aluminum for excellent corrosion resistance & heat dissipation



Image: Close-up view of the light's components, including the photocell, LED chips, and sturdy aluminum housing for heat dissipation.

5. SETUP AND INSTALLATION

The TORCHSTAR LED Barn Light is designed for wall or post mounting. Follow these steps for proper installation:

1. Prepare for Installation:

- Ensure power is disconnected at the circuit breaker.
- Loosen the screws on the bracket of the barn light.

2. Mount the Bracket:

- Reinstall the bracket onto the main body of the barn light, ensuring it is securely attached.
- Drill three holes on the wall or mounting board at the desired location.

3. Secure the Light:

- Fix the barn light onto the wall or board using the provided three screws. Ensure the light is stable and securely fastened.

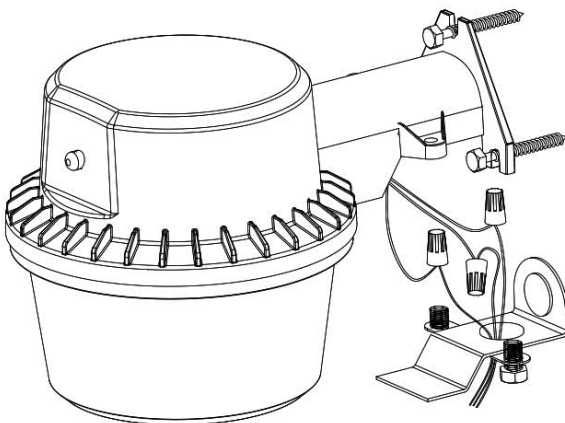
4. Wiring:

- Connect the power cord wires (black to live, white to neutral, green to ground) using the provided wire nuts. Ensure all connections are tight and secure.
- Tuck the wires neatly into the bracket to protect them.

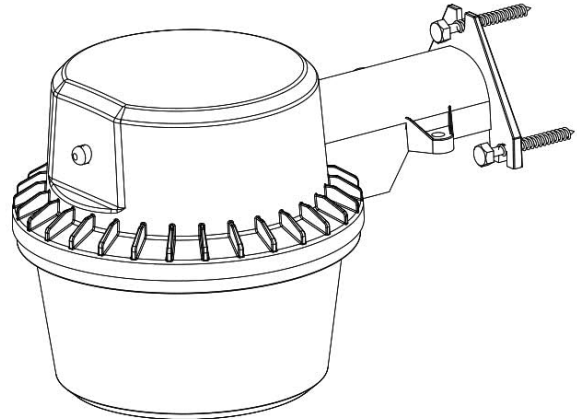
5. Restore Power:

- Once installation is complete and all connections are secure, restore power at the circuit breaker.

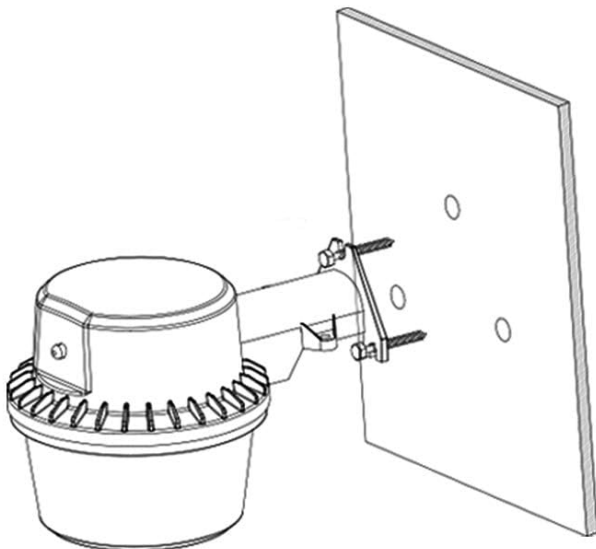
1 Loosen the screws on bracket and connect the power cord.



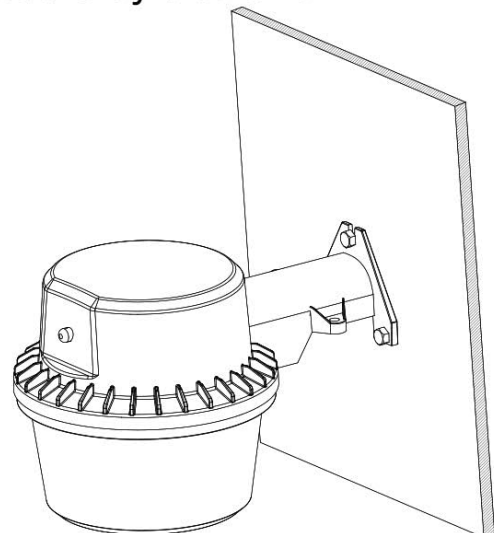
2 Reinstall the bracket on the main body of barn light.



3 Drill three holes on wall or board



4 Fix the barn light on the wall or board by 3 screws



Arm Mounting



Pole Mounting (Mounting Arm not included)

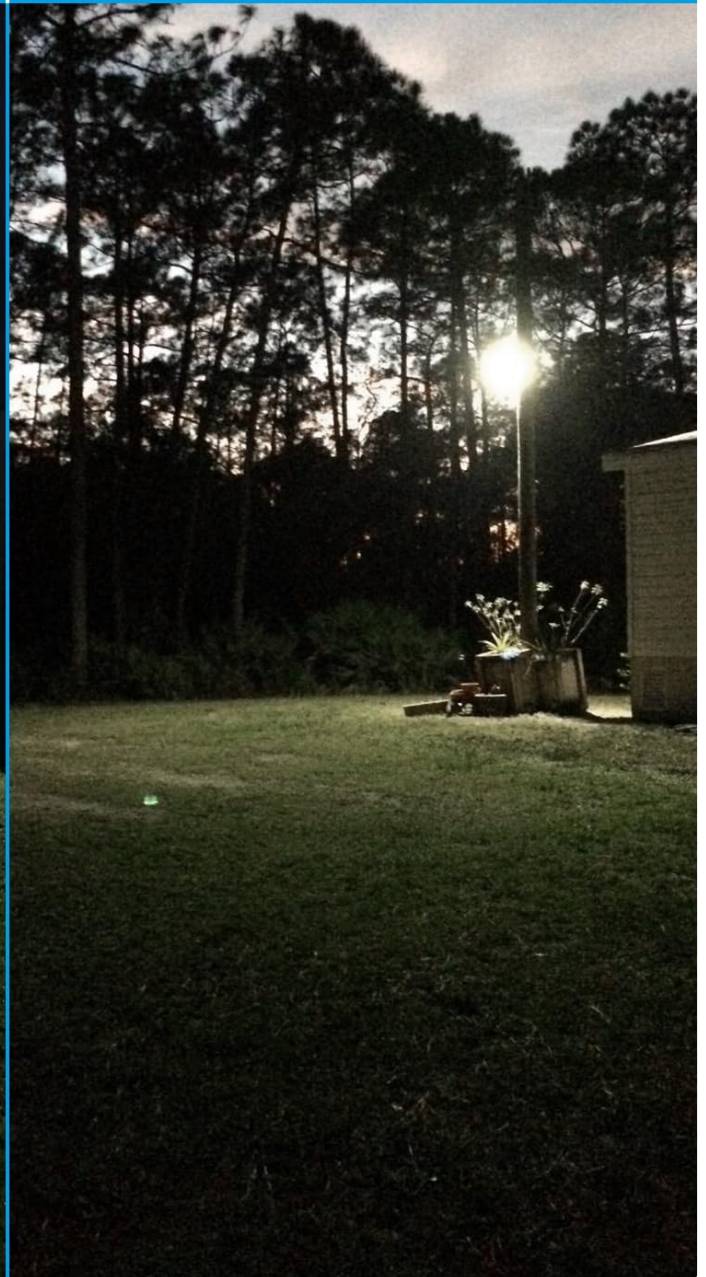


Image: Illustration of different mounting methods: arm mounting on a building and pole mounting in an open area, demonstrating the light's versatility.

Video: A demonstration of the TORCHSTAR LED Barn Light's features and installation process, highlighting its dusk-to-dawn functionality.

6. OPERATING INSTRUCTIONS

The TORCHSTAR LED Barn Light features an integrated dusk-to-dawn photocell for automatic operation. No manual intervention is required after installation.

- The light will automatically turn on when ambient light levels fall below a certain threshold (e.g., at dusk).
- The light will automatically turn off when ambient light levels rise above a certain threshold (e.g., at dawn).

Video: An overview of the TORCHSTAR LED Barn Light, showcasing its design and automatic dusk-to-dawn operation.

7. MAINTENANCE

This LED barn light requires minimal maintenance due to its durable construction and long-lasting LED components.

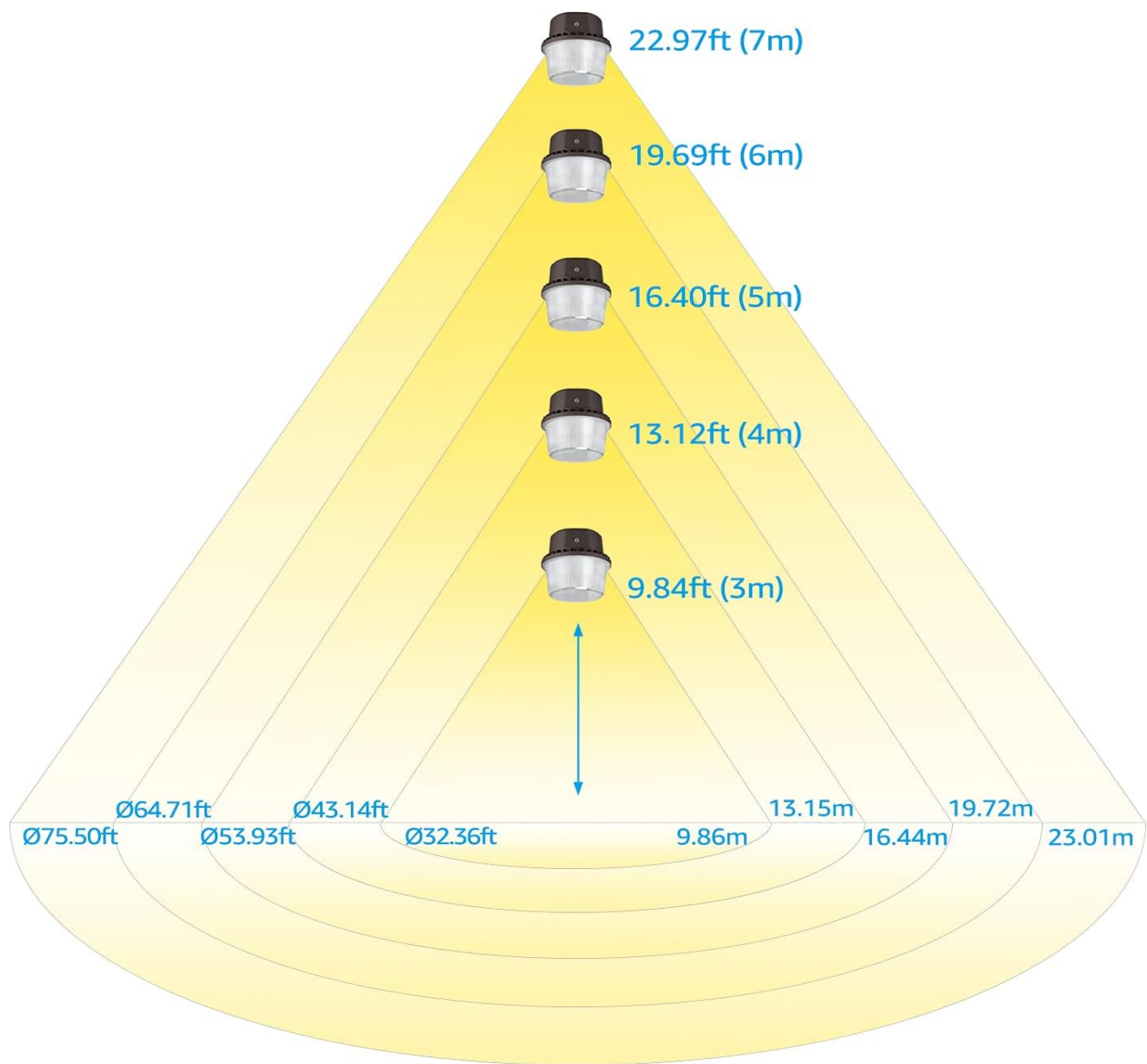
- **Cleaning:** Periodically clean the lens with a soft, damp cloth to ensure optimal light output. Do not use abrasive cleaners.
- **Inspection:** Regularly inspect the mounting hardware and wiring for any signs of wear or damage. Tighten any loose screws.
- **Photocell:** Ensure the photocell is not obstructed by dirt, debris, or external light sources, as this may affect its automatic operation.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	No power; Faulty wiring; Photocell obstructed or faulty.	Check circuit breaker; Verify wiring connections; Clear photocell obstruction or contact support.
Light stays on during the day.	Photocell receiving insufficient light; Photocell faulty.	Ensure photocell is not shaded; Check for nearby light sources interfering; Contact support if faulty.
Light flickers.	Loose wiring connection; Unstable power supply.	Check and tighten all wiring connections; Consult an electrician to check power supply stability.

9. SPECIFICATIONS

Feature	Detail
Model Number	LHBL-35W50PS
Wattage	40 Watts
Brightness	4200 Lumens
Color Temperature	5000K Daylight
Voltage	110-277V AC
Material	Aluminum Housing
Water Resistance Level	IP65 Waterproof
Lifespan	50,000 hours
Operating Temperature	-4°F to 104°F (-20°C to 40°C)
Product Dimensions	7.8"L x 7.3"W x 11.8"H
Item Weight	2.79 pounds
Certifications	ETL & FCC Listed



- Lighting coverage is 75.5FTx75.5FT at the mounting height of 22.97FT
- Lighting coverage varies by mounting heights and applications

Image: Diagram showing the light's coverage area at different mounting heights, indicating effective illumination spread.



Image: The barn light demonstrating its IP65 waterproof rating in rainy and snowy conditions, along with its 120-degree beam angle.

10. WARRANTY AND SUPPORT

This TORCHSTAR LED Barn Light comes with a **3-Year Warranty**. For warranty claims, technical support, or any questions regarding the product, please contact TORCHSTAR customer service through their official website or the retailer where the product was purchased.

For additional information and products, visit the [TORCHSTAR Store](#).

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question