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> TORCHSTAR 100W LED Barn Light A-22313 Instruction Manual

TORCHSTAR A-22313

TORCHSTAR 100W LED Barn Light

Model: A-22313

INTRODUCTION

Thank you for choosing the TORCHSTAR 100W LED Barn Light. This manual provides essential information for the safe installation, operation, and maintenance of your new LED barn light. Please read these instructions thoroughly before installation and retain them for future reference.

This 100W LED barn light is designed for robust outdoor illumination, offering 10,000 lumens of 5000K daylight output. Its durable construction and integrated photocell sensor ensure reliable, energy-efficient lighting for large outdoor spaces.

SAFETY INFORMATION

- Always turn off the power at the circuit breaker before installation, maintenance, or cleaning.
- Ensure all electrical connections comply with local codes and ordinances, as well as the National Electric Code (NEC).
- Consult a qualified electrician if you are unsure about the installation process.
- Do not install on surfaces that are not structurally sound.
- This product is designed for outdoor use only.
- Do not attempt to modify the light fixture. Any modifications may void the warranty and create safety hazards.

PACKAGE CONTENTS

- 1 x TORCHSTAR 100W LED Barn Light
- 1 x Light kit (mounting hardware)

SPECIFICATIONS

Wattage	100W
Voltage	120-277V
Color Temperature (CCT)	5000K Daylight

Luminous Flux	10000lm
Beam Angle	110°
Lifespan	50,000 hours
Waterproof Rating	IP65
Dimmable	No
Working Temperature	-4°F to 104°F (-20°C to 40°C)
Material	Die-casting Aluminum & PC
Product Dimensions	14.37"L x 11.81"W x 4.46"H (365mm x 300mm x 164mm)
Certifications	ETL, FCC

For a detailed comparison of features, refer to the image below:



TORCHSTAR	✓	BRAND	✗	OTHER
Die cast aluminum+PC	✓	HIGH QUALITY	✗	Aluminum+ABS
φ11.81Inch	✓	LARGER SIZE	✗	φ8Inch
120V-277V	✓	WIDE USE	✗	120V
ETL&FCC Listed	✓	SAFE USE	✗	NO
50000Hrs	✓	LONG LIFESPAN	✗	30000Hrs

A side-by-side comparison showcasing the superior build quality and features of the TORCHSTAR barn light, including its durable die-cast aluminum construction, wider voltage compatibility, and extended lifespan.

SETUP AND INSTALLATION

The TORCHSTAR 100W LED Barn Light offers versatile installation options, including pole mount and arm mount. Ensure the mounting surface is capable of supporting the fixture's weight and that all electrical connections are secure and compliant with safety standards.

Installation Steps:

1. **Prepare the Mounting Location:** Choose a suitable location for installation, ensuring it is structurally sound and provides adequate clearance.
2. **Mount the Fixture:** Depending on your chosen method (pole or arm mount), secure the light fixture using the provided mounting hardware. Ensure all bolts and screws are tightened securely.
3. **Electrical Wiring:** Connect the light fixture to the appropriate power supply (120-277V AC). Follow standard wiring practices: connect the live wire to the live terminal, the neutral wire to the neutral terminal, and the ground wire to the ground terminal. Ensure all connections are insulated and protected.
4. **Test Operation:** Restore power and test the light's functionality.



A detailed diagram providing the exact dimensions of the TORCHSTAR 100W LED Barn Light for installation planning.

Official product video demonstrating key features and installation methods for the TORCHSTAR 100W LED Barn Light, including its durable construction, automatic operation, and mounting options.

OPERATING INSTRUCTIONS

The TORCHSTAR 100W LED Barn Light features an integrated photocell sensor for automatic dusk-to-dawn operation.

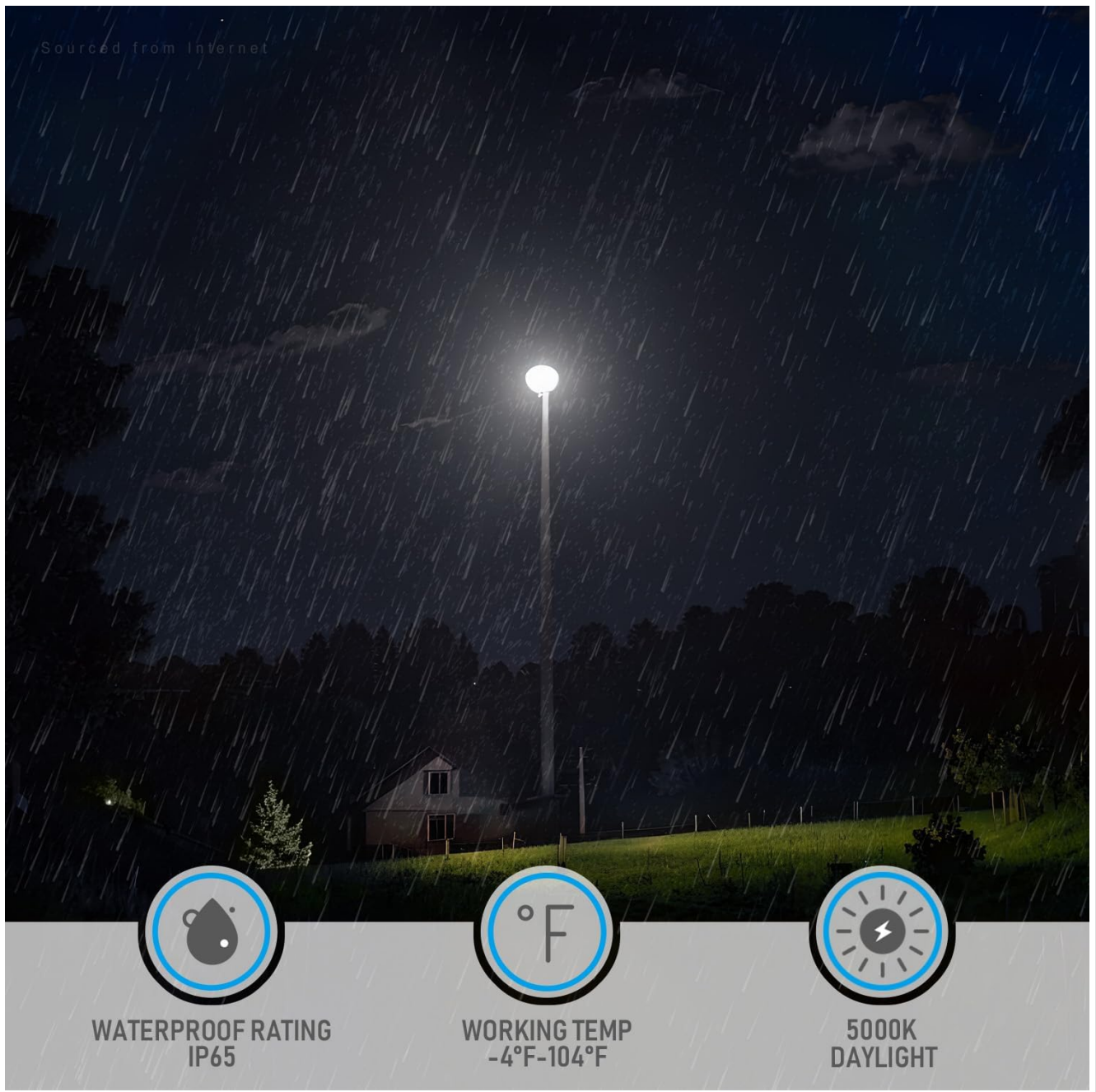
Dusk-to-Dawn Functionality:

- The photocell sensor detects ambient light levels.
- When ambient light falls below approximately 10 Lux (dusk), the light will automatically turn on.
- When ambient light rises above approximately 80 Lux (dawn), the light will automatically turn off.
- No manual intervention is required for daily operation once installed.



This image illustrates the automatic dusk-to-dawn functionality of the barn light. The light activates when ambient light levels drop and deactivates at dawn, providing energy-efficient operation.

Sourced from Internet



WATERPROOF RATING
IP65

WORKING TEMP
-4°F-104°F

5000K
DAYLIGHT

This image demonstrates the light's IP65 waterproof rating, ensuring reliable performance in various weather conditions, including rain. It also highlights its operational temperature range and 5000K daylight output.

Sourced from Internet



An illustration detailing the light distribution and coverage area of the barn light at various mounting heights. It also confirms the product's ETL and FCC safety certifications and its long 50,000-hour lifespan.

Sourced from Internet



Note: Mounting Arm Not Included

Examples of the barn light in use, providing bright and uniform illumination for large outdoor areas such as warehouse perimeters and sports fields.

MAINTENANCE

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

- **Cleaning:** Periodically clean the lens and exterior housing with a soft, damp cloth to remove dirt, dust, and debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the fixture for any signs of damage, loose connections, or wear. Ensure mounting hardware remains secure.
- **Photocell:** Keep the photocell sensor clean and unobstructed to ensure proper dusk-to-dawn operation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Light does not turn on at night.	No power supply; Faulty wiring; Photocell obstructed or faulty.	Check circuit breaker and power connections. Verify wiring. Ensure photocell is clean and not blocked by objects or excessive ambient light.
Light stays on during the day.	Photocell obstructed or faulty; Insufficient ambient light.	Ensure photocell is clean and not blocked. Verify there is sufficient natural light reaching the sensor during the day.
Light flickers or dims.	Loose wiring connection; Unstable power supply.	Check all wiring connections for tightness. Ensure power supply is stable and within the specified voltage range (120-277V).

WARRANTY AND SUPPORT

The TORCHSTAR 100W LED Barn Light is backed by rigorous safety certifications (ETL and FCC) ensuring quality and dependable performance. For specific warranty details regarding your purchase, please refer to your purchase documentation or contact the retailer.

For further assistance, technical support, or to explore other TORCHSTAR products, please visit the official TORCHSTAR store:

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