

Defiant 43237-2

Defiant 180 Degree Black Motion Activated Outdoor Integrated LED Twin Head Flood Light User Manual

Model: 43237-2

Brand: Defiant

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Defiant 180 Degree Black Motion Activated Outdoor Integrated LED Twin Head Flood Light. This LED flood light is designed to provide efficient and reliable outdoor illumination with motion activation for enhanced safety and security. It features integrated LED technology, eliminating the need for bulb replacement.

SAFETY INFORMATION

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

- Always disconnect power at the fuse or circuit breaker before installing or servicing the fixture.
- Consult a qualified electrician if you are unsure about the installation process.
- Do not attempt to modify the fixture. Any modifications may void the warranty and create safety hazards.
- Ensure all electrical connections are secure and comply with local codes and ordinances.
- This fixture is designed for outdoor wall mount application only.
- Operating temperature range: -25°C (-13°F) to +50°C (+120°F).
- This product is not water resistant. Ensure proper installation to protect from direct water exposure.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Defiant 180 Degree Black Motion Activated Outdoor Integrated LED Twin Head Flood Light
- Mounting Hardware
- Instruction Manual (this document)



Image: The Defiant 180 Degree Black Motion Activated Outdoor Integrated LED Twin Head Flood Light, showing its two adjustable lamp heads and central motion sensor.

SETUP AND INSTALLATION

This fixture is designed for wall mount installation only. Ensure the mounting surface is stable and capable of supporting the fixture's weight.

Tools Required (Not Included):

- Screwdriver
- Wire Strippers
- Electrical Tape
- Safety Glasses

Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker or fuse box that controls the power to the installation location. Turn off the power completely before proceeding.
2. **Prepare Wiring:** If replacing an existing fixture, carefully remove it. Ensure the electrical box is clean and accessible.
3. **Mounting Bracket Installation:** Attach the provided mounting hardware to the electrical box. Ensure it is securely fastened.
4. **Wire Connections:**
 - Connect the black wire from the fixture to the black (hot) wire from the electrical box.
 - Connect the white wire from the fixture to the white (neutral) wire from the electrical box.
 - Connect the green or bare copper ground wire from the fixture to the ground wire from the electrical box.

- Secure all connections with wire nuts and electrical tape.
5. **Fixture Mounting:** Carefully align the fixture with the mounting bracket and secure it using the provided screws. Ensure a tight seal against the mounting surface to prevent moisture intrusion.
 6. **Adjust Lamp Heads:** Once mounted, adjust the two lamp heads to direct light to your desired areas.
 7. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.

OPERATING INSTRUCTIONS

Motion Sensor Operation:

The flood light features a 180-degree motion activated sensor with a range of up to 40 feet. The integrated photocell ensures that the light only operates during nighttime hours for efficient energy usage.

Adjusting Settings:

The motion sensor sensitivity and duration settings are typically located on the bottom or side of the sensor unit. Use a small screwdriver to adjust these dials:

- **Sensitivity (SENS):** Adjusts the detection range of the motion sensor. Turn clockwise for a wider range, counter-clockwise for a shorter range.
- **Time (TIME):** Sets how long the light remains on after motion is detected. Turn clockwise for a longer duration, counter-clockwise for a shorter duration.
- **Lux (LUX):** Controls the ambient light level at which the sensor becomes active. Turn towards the sun icon for daylight operation (for testing), or towards the moon icon for night-only operation. For normal operation, set to the moon icon.

Manual Override Option:

This fixture includes a manual override feature, allowing the light to operate constantly for a 6-hour period. To activate the manual override, quickly turn the light switch OFF then ON within 2 seconds. The light will stay on for approximately 6 hours, then automatically revert to motion sensor mode. To reset to motion sensor mode before 6 hours, turn the light switch OFF then ON again.

MAINTENANCE

The Defiant LED Flood Light requires minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **Bulb Replacement:** The integrated LED technology means there are no bulbs to replace. Do not attempt to open the lamp heads.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose wiring, or wear. If any issues are found, disconnect power and consult a qualified electrician.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on at night.	<ul style="list-style-type: none"> • Power is off. • Photocell detects too much ambient light. • Sensor settings are incorrect. 	<ul style="list-style-type: none"> • Check circuit breaker/fuse. • Ensure photocell is not obstructed and is set to "moon" icon. • Adjust LUX setting on the sensor.
Light stays on constantly.	<ul style="list-style-type: none"> • Manual override is active. • Sensor is continuously detecting motion. • Wiring issue. 	<ul style="list-style-type: none"> • Turn power OFF then ON to reset manual override. • Adjust sensor sensitivity (SENS) or reposition fixture to avoid constant detection. • Consult a qualified electrician.
Light turns on during the day.	<ul style="list-style-type: none"> • Photocell setting is too high. 	<ul style="list-style-type: none"> • Adjust LUX setting towards the "moon" icon.
Motion sensor range is too short/long.	<ul style="list-style-type: none"> • Sensitivity setting is incorrect. • Obstructions in detection area. 	<ul style="list-style-type: none"> • Adjust SENS setting on the sensor. • Clear any objects blocking the sensor's view.

SPECIFICATIONS

Feature	Detail
Model Number	43237-2
Light Output	1000 Lumens
Motion Sensor Angle	180 Degrees
Motion Sensor Range	Up to 40 ft.
Power Source	Corded Electric
Voltage	120 Volts
Light Source Type	Integrated LED
Color	Black
Product Dimensions (L x W x H)	9"L x 7.5"W x 4.5"H
Item Weight	1 Pound
Installation Type	Wall Mount Only
Operating Temperature	-25°C (-13°F) to +50°C (+120°F)

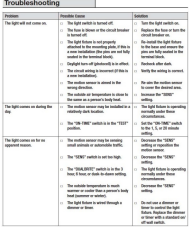
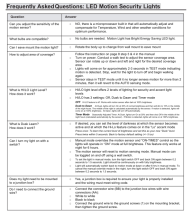
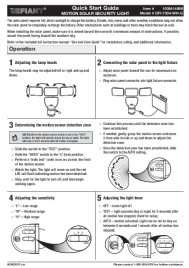
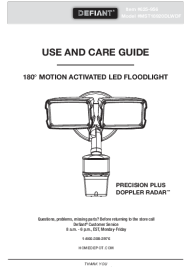
Feature	Detail
Water Resistance Level	Not Water Resistant

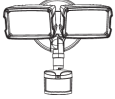
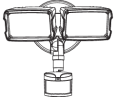
WARRANTY AND SUPPORT

For warranty information or technical support, please contact Defiant customer service. Keep your purchase receipt as proof of purchase.

For further assistance, please visit the official Defiant website or contact their customer support line. Contact information is typically found on the product packaging or the manufacturer's website.

Related Documents - 43237-2

	<p>Defiant DFI-5886-WH Troubleshooting Guide</p> <p>Troubleshooting guide for the Defiant 270° White Motion Activated Outdoor Integrated LED Triple Head Flood Light with Adjustable Color Temperature (Model DFI-5886-WH).</p>
	<p>Frequently Asked Questions: LED Motion Security Lights</p> <p>Comprehensive FAQ covering common questions about Defiant LED Motion Security Lights, including sensitivity adjustment, bulb compatibility, mounting, area coverage, light level settings (HI/LO, Dusk to Dawn, Timer), manual mode, junction box requirements, and wiring.</p>
	<p>Defiant Motion Solar Security Light Quick Start Guide</p> <p>A concise guide to installing and operating the Defiant DFI-7004-WH-G motion solar security light, including setup, adjustments, and troubleshooting.</p>
	<p>Defiant 180° Motion Activated LED Floodlight with Doppler Radar - Use and Care Guide</p> <p>Comprehensive use and care guide for the Defiant MST18920DLWDF 180° motion activated LED floodlight. Includes installation, operation, feature selection, troubleshooting, and warranty information.</p>

<div data-bbox="124 100 303 376"><div><div>DEFIANT</div><div>180° Motion Activated LED Floodlight</div></div><div><div>USE AND CARE GUIDE</div><div>180° MOTION ACTIVATED LED FLOODLIGHT</div><div></div><div><div>Read this guide carefully before using the floodlight.</div><div>It is important to read this guide before using the floodlight.</div><div>It is important to read this guide before using the floodlight.</div><div>It is important to read this guide before using the floodlight.</div></div></div></div>	<div data-bbox="341 291 1474 443"><p>Defiant 180° Motion Activated LED Floodlight Use and Care Guide</p><p>Detailed instructions for installing, operating, and troubleshooting the Defiant 180° Motion Activated LED Floodlight (Model MST18920LDF). Includes safety information, warranty details, feature selection, and contact information.</p></div>
<div data-bbox="124 685 303 960"><div><div>DEFIANT</div><div>180° Motion Activated LED Floodlight</div></div><div><div>USE AND CARE GUIDE</div><div>180° MOTION ACTIVATED LED FLOODLIGHT</div><div></div><div><div>Read this guide carefully before using the floodlight.</div><div>It is important to read this guide before using the floodlight.</div><div>It is important to read this guide before using the floodlight.</div><div>It is important to read this guide before using the floodlight.</div></div></div></div>	<div data-bbox="341 732 1461 925"><p>Defiant 180° Motion Activated LED Floodlight Use and Care Guide</p><p>This guide provides detailed instructions for the Defiant 180° Motion Activated LED Floodlight (Model MST18920LWDF), covering installation, operation, feature selection, safety precautions, and troubleshooting. Learn how to properly install and use your motion-activated LED floodlight for optimal performance and security.</p></div>