

Defiant DFI-5982-BZ

Defiant 180 Degree Bronze Motion Outdoor Integrated LED Security Light User Manual

Model: DFI-5982-BZ

1. INTRODUCTION

Thank you for choosing the Defiant 180 Degree Bronze Motion Outdoor Integrated LED Security Light. This manual provides essential information for the safe installation, operation, and maintenance of your new security light. This LED motion light is designed to provide reliable illumination for increased safety and security around your property. Its integrated LED technology ensures long-lasting performance without the need for bulb replacement.

2. IMPORTANT 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.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Use only UL or ETL listed wire connectors.
- Do not connect to a dimmer switch.
- Ensure all connections are secure and properly insulated.
- This fixture is designed for outdoor use and is water resistant.

3. PACKAGE CONTENTS

Verify that all components are present before installation.

- Defiant 180 Degree Motion Outdoor Integrated LED Security Light
- Mounting Hardware (screws, wire nuts, mounting plate)
- Instruction Manual

4. INSTALLATION

The Defiant LED security light is designed for quick and safe installation with a DIY-friendly 3-step connection process. This fixture is suitable for wall-mount, flush installation.

4.1 Tools Required (Not Included)

- Phillips head screwdriver
- Wire strippers
- Pliers
- Electrical tape
- Safety glasses

4.2 Mounting Location

- Install the fixture on a wall, approximately 8-10 feet (2.4-3 meters) above the ground for optimal motion detection and light coverage.
- Avoid mounting near heat sources (e.g., air conditioner vents, dryer vents) or objects that may move in the wind (e.g., trees, large shrubs) to prevent false triggers.

4.3 Wiring Instructions

1. **Step 1: Disconnect Power.** Turn off the power at the circuit breaker or fuse box before starting installation.
2. **Step 2: Prepare Wiring.** Remove the existing fixture (if any). Strip 3/4 inch of insulation from the house supply wires.
3. **Step 3: Connect Wires.**
 - Connect the **black** wire from the fixture to the **black** (hot) wire from the junction box using a wire nut.
 - Connect the **white** wire from the fixture to the **white** (neutral) wire from the junction box using a wire nut.
 - Connect the **green** or bare copper ground wire from the fixture to the **green** or bare copper ground wire from the junction box using a wire nut.
4. **Step 4: Secure Fixture.** Mount the fixture to the junction box using the provided mounting hardware. Ensure the fixture is flush against the wall.
5. **Step 5: Restore Power.** Turn the power back on at the circuit breaker.

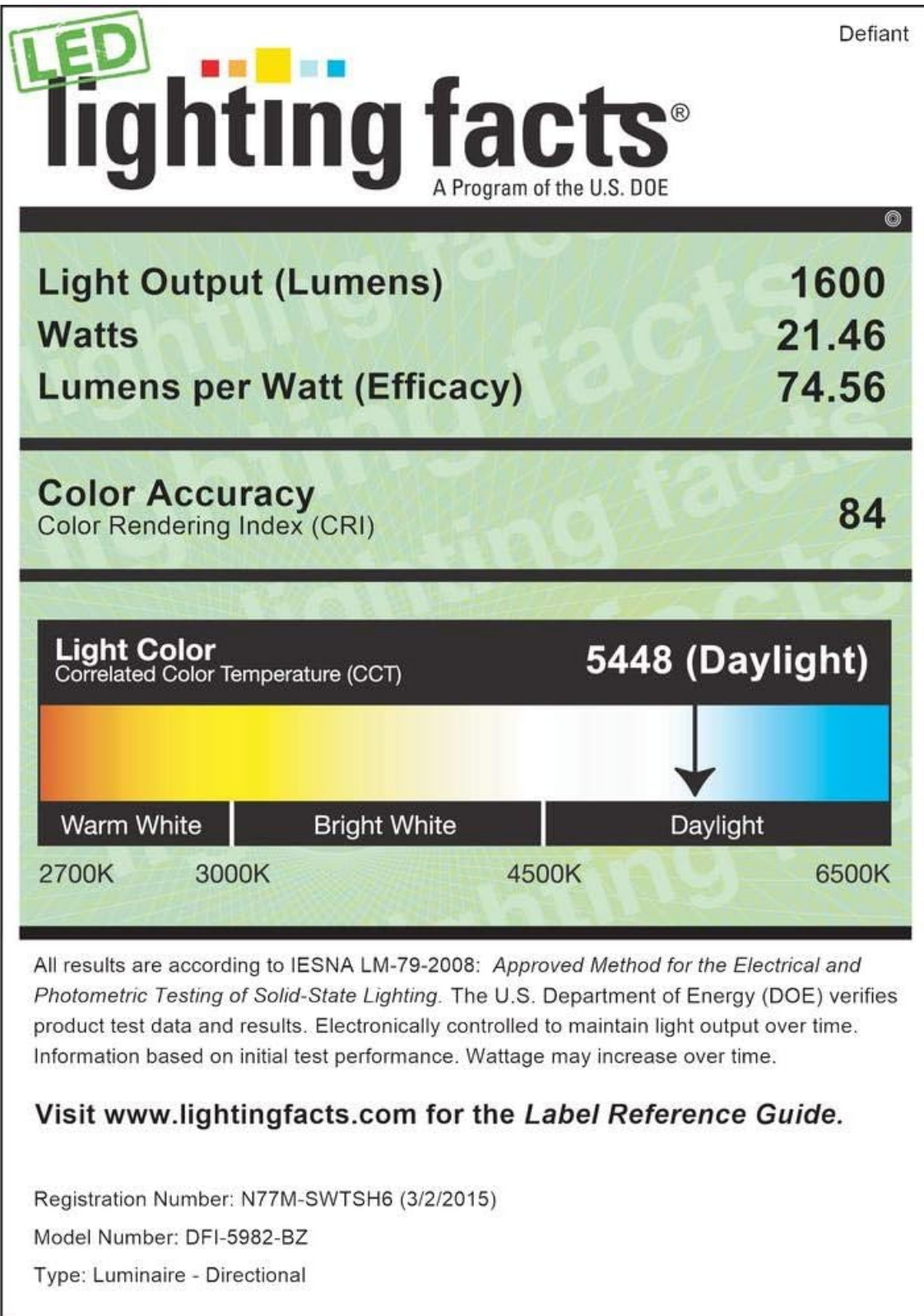


Figure 1: Front view of the Defiant 180 Degree Bronze Motion Outdoor Integrated LED Security Light. This image shows the two adjustable LED light heads and the motion sensor located below them.

5. OPERATION

This security light features an integrated motion sensor and LED lighting for automatic illumination.

5.1 Motion Sensor Functionality

- The 180-degree motion sensor detects movement within its field of view, automatically turning on the LED lights.
- The light will remain on for a set duration (adjustable, see Section 6.1) after motion is detected and will turn off once no motion is detected for that period.

- The light operates primarily in darkness, activating only when motion is detected during low-light conditions.

5.2 Adjusting Light Heads

The two LED light heads are adjustable. You can pivot them horizontally and vertically to direct the light to your desired coverage area.

6. SETTINGS AND ADJUSTMENTS

Your security light may feature adjustable settings for optimal performance. Refer to the specific controls on your unit, often located on the underside of the motion sensor.

6.1 Time Adjustment (Duration)

This control sets how long the light remains on after motion is detected and stops. Typically, settings range from a few seconds to several minutes.

6.2 Sensitivity Adjustment (Range)

This control adjusts the detection range of the motion sensor. A higher sensitivity setting will detect motion from further away, while a lower setting will reduce the detection area.

6.3 Dusk-to-Dawn Sensor (Photocell)

The integrated photocell determines when the ambient light is low enough for the motion sensor to become active. This ensures the light only operates at night.

7. MAINTENANCE

The Defiant LED security light is designed for minimal maintenance.

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **LEDs:** The integrated LED technology means there are no bulbs to replace. The LEDs are designed to last for the lifetime of the product.
- **Sensor:** Keep the motion sensor lens clean and free from obstructions (e.g., dirt, spiderwebs) to ensure proper operation.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Power is off.	Check circuit breaker.
	Photocell detects too much ambient light.	Ensure photocell is not obstructed and it is dark enough.
	Motion sensor sensitivity is too low.	Increase motion sensor sensitivity.
Light stays on continuously.	Constant motion in detection zone.	Clear obstructions or adjust sensor angle.
	Time setting is too long.	Decrease time setting.
	Wiring issue.	Consult a qualified electrician.

Problem	Possible Cause	Solution
Light flashes or flickers.	Loose wiring connection. Power fluctuations.	Turn off power and check all wire connections. Consult an electrician if power issues persist.
Motion sensor not detecting.	Sensor obstructed or dirty. Sensitivity too low. Incorrect mounting height/angle.	Clean sensor lens. Increase sensitivity. Adjust mounting or sensor angle.

9. SPECIFICATIONS



Figure 2: Lighting Facts label providing detailed performance metrics for the Defiant LED Security Light. Key information includes light output, wattage, efficacy, color accuracy, and color temperature.

Feature	Detail
Model Number	DFI-5982-BZ
Brand	Defiant
Light Output (Lumens)	700 lumens (Product Spec) / 1600 lumens (Lighting Facts Label) -Note: Discrepancy between product specifications and lighting facts label. Refer to label for detailed performance.
Wattage	21.46 Watts (from Lighting Facts Label)
Lumen per Watt (Efficacy)	74.56 (from Lighting Facts Label)

Feature	Detail
Color Accuracy (CRI)	84 (from Lighting Facts Label)
Light Color (CCT)	5448K (Daylight) (from Lighting Facts Label)
Motion Sensor Detection Angle	180 Degrees
Power Source	Corded Electric
Installation Type	Flush Mount, Wall Mount
Material	Bronze
Color	Bronze
Water Resistance Level	Water Resistant
Control Method	Remote (as per specifications, though no remote is explicitly mentioned as included)

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Defiant customer service. Keep your purchase receipt as proof of purchase.
Contact information for Defiant can typically be found on their official website or on the product packaging.

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