## Feit Electric S10.5TFL/850/MOT/WH

# Feit Electric LED Security Light Instruction Manual

Model: S10.5TFL/850/MOT/WH

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Feit Electric LED Security Light (Model S10.5TFL/850/MOT/WH). This outdoor flood light features an adjustable three-head design, motion sensor, and dusk-to-dawn functionality, providing 5000 lumens of 5000K Daylight illumination.

Please read these instructions thoroughly before installation and retain this manual for future reference.

## 2. SAFETY INFORMATION

**WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.

- Ensure the electrical supply is turned off before beginning installation.
- 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/cUL listed wire connectors.
- Do not attempt to modify the fixture. Any modifications may void the warranty and create a safety hazard.
- The LED light source is integrated and cannot be replaced.

## 3. PACKAGE CONTENTS

Verify that all parts are present before beginning installation:

- 1 x Feit Electric LED Security Light (Model S10.5TFL/850/MOT/WH)
- Mounting Hardware (screws, wire nuts)

Image 3.1: Packaging of the Feit Electric LED Security Light, showing the product and key features.

## 4. INSTALLATION INSTRUCTIONS

This fixture is designed for wall-mount installation and requires hardwiring.

### 4.1 Tools Required (Not Included)

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

### 4.2 Mounting the Fixture

1. Turn off power at the circuit breaker or fuse box.
2. Remove the existing fixture (if applicable) and its mounting bracket.
3. Attach the new mounting plate to the junction box using the provided screws. Ensure the plate is securely fastened.
4. Feed the electrical wires from the junction box through the center hole of the mounting plate.

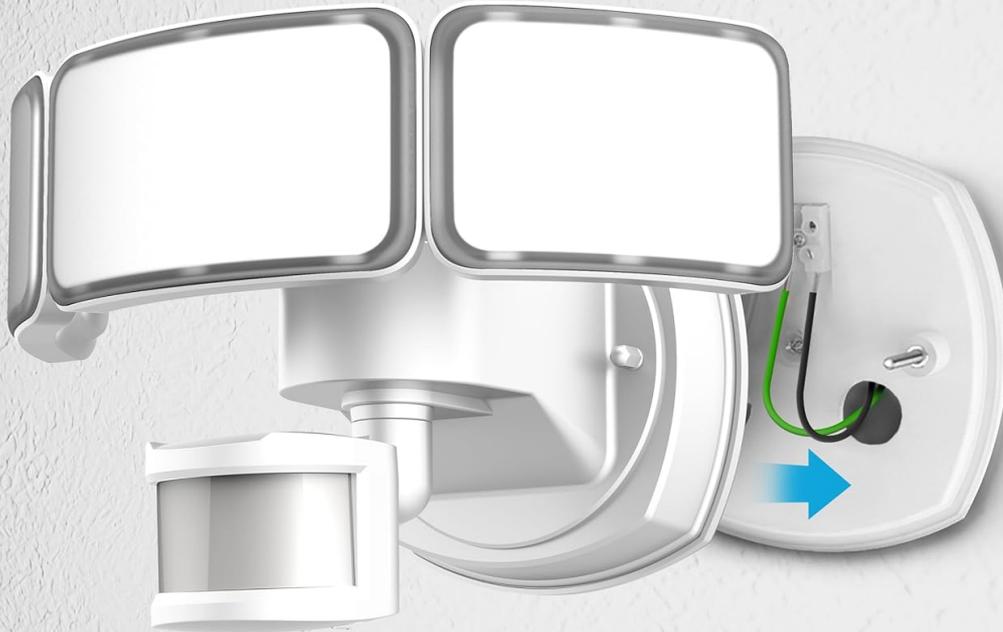# Hands-Free Wiring - Mounting Back Plate

**Screws (2)**

Image 4.1: Diagram illustrating the hands-free wiring and mounting back plate for easy installation.

## 4.3 Wiring the Fixture

1. Connect the black wire from the fixture to the black (hot) wire from the junction box using a wire nut.
2. Connect the white wire from the fixture to the white (neutral) wire from the junction box using a wire nut.
3. Connect the green or bare copper ground wire from the fixture to the ground wire from the junction box using a wire nut.
4. Carefully tuck all wires into the junction box.

## 4.4 Securing the Fixture

1. Align the fixture with the mounting plate and secure it with the provided screws.
2. Ensure the fixture is flush against the mounting surface to prevent water intrusion.
3. Adjust the three light heads to direct illumination as desired. The heads are adjustable to provide up to 270 degrees of light coverage.
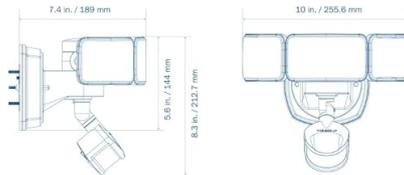
**FEIT ELECTRIC**

**LED**

**Adjustable heads**
Easy to direct light in any direction

**Bright & energy-saving integrated LED lighting**

**Wall and eave mountable**
Mounting hardware included

**Motion and Dusk to Dawn Sensors**
Sensor control allows adjustment of time and sensitivity of the motion sensor

Dusk to Dawn (D2D) manual over-ride feature option keeps fixture on all night

# Triple Head Motion Security Flood Light
White Finish

DIMMABLE

**Dusk to Dawn control**
Automatic dusk to dawn operation

**Adjustable brightness**
Between 500 - 5,000 lumens

**Sensitivity and time delay adjustments**
180 degree motion detection range
Senses motion up to 60ft away

D2D    Test    HIGH    LOW    MAX.    10 Ft

Min.                                          20 Ft
5 Min    1 Min    50 Ft
TIMER      DIM       SENSITIVITY

**Product Dimensions**

7.4 in. / 189 mm

5.6 in. / 144 mm

8.3 in. / 212.7 mm

10 in. / 255.6 mm

- **Senses motion up to 60 ft. away**
- **Auto Dusk 'til Dawn override**
- **Up to 270 degrees of light coverage with adjustable heads**
- **Non-glare LED lighting**
- **Maintenance free**
- **Even & wide light distribution**
- **Operates in subzero temperatures**

Image 4.2: The security light showing its adjustable heads and the motion and dusk-to-dawn sensor controls.

Image 4.3: The Feit Electric LED Security Light installed on an exterior wall, providing bright illumination at night.

## 5. OPERATING INSTRUCTIONS

This security light features both a motion sensor and a dusk-to-dawn sensor for automated operation.

### 5.1 Motion Sensor Functionality

- The integrated motion sensor detects movement up to 60 feet away.
- When motion is detected at night, the light will activate.
- The duration the light stays on after motion detection can be adjusted using the 'TIMER' dial on the sensor.
- The sensitivity of the motion sensor can be adjusted using the 'SENSITIVITY' dial to control the detection range.

### 5.2 Dusk-to-Dawn Functionality

- The built-in photocell sensor automatically turns the light on at dusk and off at dawn.
- This feature works in conjunction with the motion sensor, ensuring the light only activates when needed during nighttime hours.
- An 'Auto Dusk 'til Dawn override' feature is available, allowing the fixture to remain on continuously from dusk to dawn if desired. Consult the sensor control diagram for specific settings.
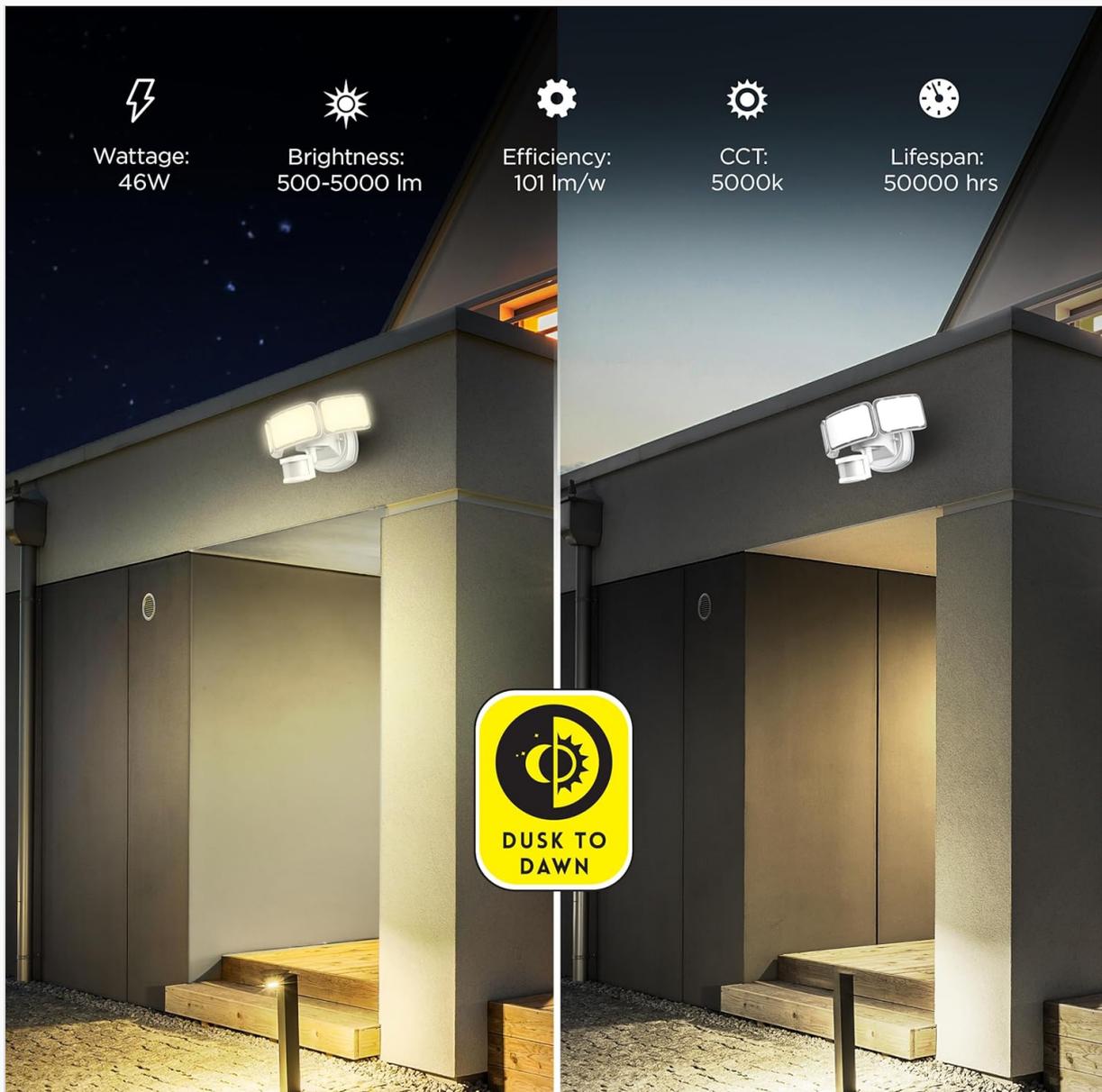
Image 5.1: Comparison showing the Feit Electric LED Security Light operating with its Dusk-to-Dawn feature, turning on automatically at night and off at dawn.

## 5.3 Brightness Adjustment

The light output is dimmable from 500 lumens to 5000 lumens. This adjustment is typically controlled via the sensor unit, allowing you to set the desired brightness level for your security needs.
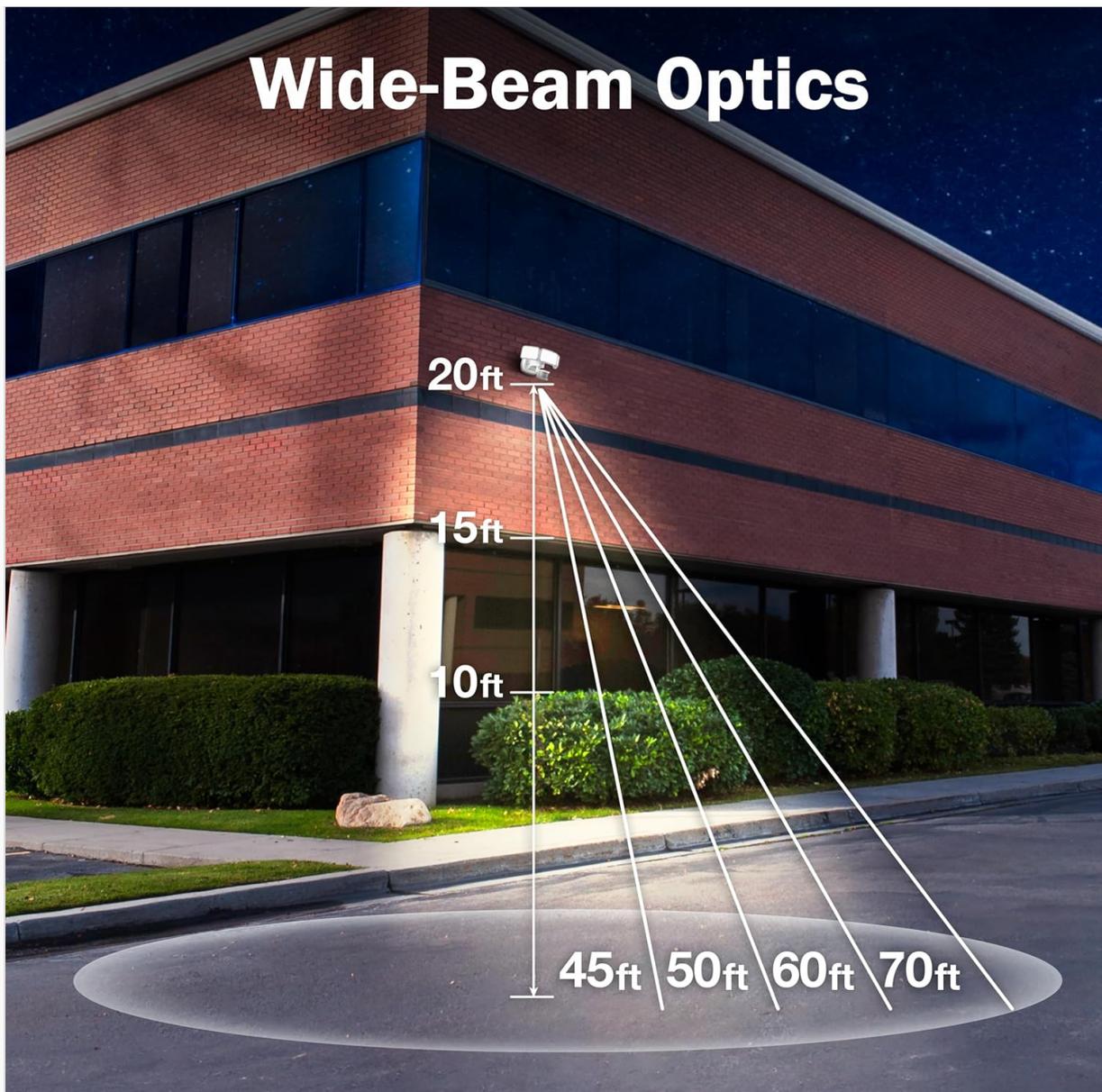
Image 5.2: Diagram illustrating the wide-beam optics of the security light, showing effective illumination distances at various heights.

## 6. MAINTENANCE

The Feit Electric LED Security Light is designed for long-lasting, maintenance-free operation. The integrated LEDs have an average life of 50,000 hours and do not require replacement.

### 6.1 Cleaning

- To clean the fixture, ensure power is off at the circuit breaker.
- Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the finish or electrical components.
- Keep the motion sensor lens clean to ensure optimal performance.

# Stands up to the Elements

All-weather cast aluminum housing

Shatter-resistant polycarbonate lens

Wet-location rated (IP65)

Image 6.1: The security light is shown enduring rain, highlighting its all-weather cast aluminum housing and wet-location rating (IP65).
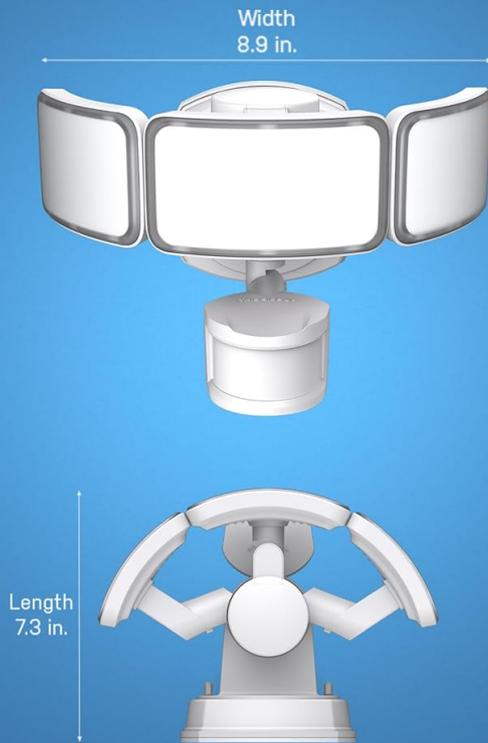
## 7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---|---|---|
| Light does not turn on. | No power; faulty wiring; sensor settings. | Check circuit breaker. Verify wiring connections. Adjust sensor 'SENSITIVITY' and 'TIMER' dials. Ensure it is dark enough for dusk-to-dawn sensor to activate. |
| Light stays on continuously. | Sensor in override mode; continuous motion detected; faulty sensor. | Check sensor settings for 'Auto Dusk 'til Dawn override'. Ensure no constant motion in detection zone. If problem persists, sensor may be faulty. |
| Motion sensor not detecting. | Incorrect sensitivity setting; obstruction; sensor malfunction. | Increase 'SENSITIVITY' setting. Clear any obstructions from the sensor's view. Ensure sensor is aimed correctly. |
| Light flickers. | Loose wiring; power fluctuations. | Turn off power and check all wiring connections for tightness. Consult an electrician if power fluctuations are suspected. |

## 8. SPECIFICATIONS

| Feature | Specification |
| --- | --- |
| Model Number | S10.5TFL/850/MOT/WH |
| Wattage | 46W |
| Brightness | 500-5000 Lumens (Dimmable) |
| Color Temperature | 5000K Daylight |
| Life Hours | 50,000 hours |
| Voltage | 120 Volts |
| IP Rating | IP65 Wet Rated |
| Motion Sensor Range | Up to 60 feet |
| Beam Angle | Up to 270 degrees |
| Material | Aluminum Housing, Polycarbonate Lens |
| Dimensions (L x W x H) | 7.6" x 8.8" x 9.7" (Product Dimensions) |
| Weight | 1.32 pounds |
| Certifications | Energy Star |

| Feature | Specification |
| --- | --- |

# Specifications

Width
8.9 in.

Length
7.3 in.

☼ CCT: Daylight  (5000K)

👤 Motion Detection with
Dusk to Dawn sensor

⚡ Wattage: 46W

☀ Brightness: 500-5,000 Lumens

⏱ Life Hours: 50,000

💧 IP65 Wet Rated

Voltage 120

Image 8.1: Visual representation of key specifications including dimensions, CCT, wattage, brightness, life hours, IP rating, and voltage.

Image 8.2: The security light installed on a garage, featuring the Energy Star certification logo, indicating energy efficiency.

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

According to the product information, there is no specific warranty description provided for this product.

### 9.2 Customer Support

For technical assistance or further inquiries, please visit the Feit Electric website or contact their customer service department. Refer to the product packaging for the most current contact information.