DINGLILIGHTING WS-FPA8-20A

DLLT LED Motion Sensor Outdoor Light Instruction Manual

Model: WS-FPA8-20A | Brand: DINGLILIGHTING

1. INTRODUCTION

Thank you for purchasing the DLLT LED Motion Sensor Outdoor Light. This manual provides detailed instructions for the safe installation, operation, and maintenance of your new security light. Please read this manual thoroughly before installation and keep it for future reference.

Figure 1: DLLT LED Motion Sensor Outdoor Light

2. SAFETY INFORMATION

- Always disconnect power before installing or servicing the light fixture.

- Installation should be performed by a qualified electrician if hardwiring is required.

- Ensure the power source matches the voltage requirements of the light (120 Volts).

- Do not look directly into the LED light source when it is illuminated, as it may cause eye strain or damage.

- This product is rated IP65 waterproof, suitable for outdoor use and resistant to rain, sleet, or snow. However, avoid submerging the unit in water.

- Keep children away from the product during installation and operation.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x DLLT LED Motion Sensor Outdoor Light

- Mounting Hardware (screws, wall anchors)
- Instruction Manual (this document)

4. Product Features

- **Upgraded Motion Sensor & Flexible Design:** Features a 180° wide sensing angle and 40FT sensing range. The two LED light heads, lens hoods, and motion sensor are independently adjustable to achieve optimal illumination.

- **High Brightness & Wide Angle Illumination:** Equipped with high-quality LED chips, providing 1600 lumens of brightness at 6500K daylight. Each light head offers a 145° beam angle, combining for a total illumination angle of 290°.

- **IP65 Waterproof & Easy Installation:** Designed with an IP65 waterproof rating for superior sealing and weather resistance, making it ideal for outdoor environments like entryways, stairs, yards, and workshops. Installation is straightforward with simple wiring steps.

- **Energy Saving & Long Lifespan:** Low 20W power consumption with high brightness output and efficient heat dissipation. High-quality LED chips ensure a long lifespan of up to 50,000 hours.
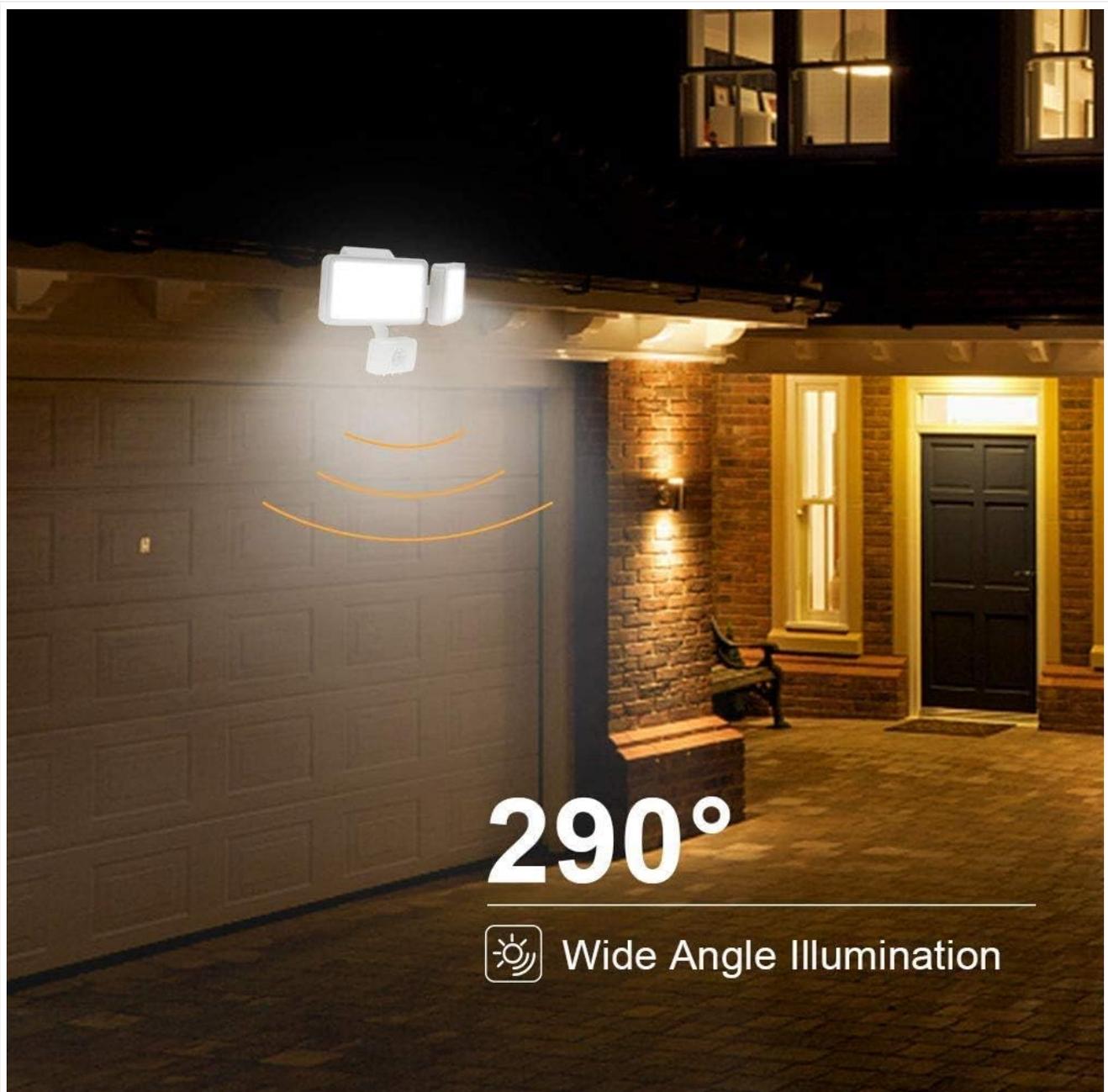

Figure 2: Wide Angle Illumination

Flexible angle of lamp heads:

120°
Up and down can be adjusted 120°

160°
Let and right can be adjustable 160°

Let and right can be adjusted 180°

Up and down can be adjusted 180°

Figure 3: Flexible Angle of Lamp Heads

Figure 4: High Grade Waterproof IP65

5. SPECIFICATIONS

Attribute	Value
Brand	DINGLILIGHTING
Model Number	WS-FPA8-20A
Color	White
Material	Plastic
Product Dimensions	10.34"L x 6.24"W x 3"H
Item Weight	1.57 Pounds
Power Source	Corded Electric

Voltage	120 Volts
Wattage	20 Watts
Brightness	1600 Lumen
Color Temperature	6000 Kelvin (Daylight)
Water Resistance Level	IP65 Water Resistant
Installation Type	Wall Mount
Special Features	Stepless Adjustable Switch, Energy Saving, Superior Brightness, Longer Lighting time (Max 10min), Not Dimmable

6. SETUP

6.1 Mounting the Light

Choose a suitable location for your motion sensor light, such as a garage, yard, garden, or porch. Ensure the location allows for optimal motion detection and light coverage. The light can be mounted on a wall.

1. Mark the desired mounting points on the wall using the light fixture as a template.

2. Drill pilot holes at the marked locations. Insert wall anchors if necessary.

3. Secure the light fixture to the wall using the provided mounting hardware.

4. Adjust the angle of the two light heads and the motion sensor to cover the desired area. The light heads can be adjusted 160° horizontally and 120° vertically. The motion sensor can be adjusted 180° up/down and left/right.

Figure 5: Installation Options (Plug-in or Hardwire)

6.2 Power Connection

This light is corded electric. Plug the light into a standard 120V outdoor-rated electrical outlet. If hardwiring, ensure power is off at the circuit breaker and follow local electrical codes for safe connection.
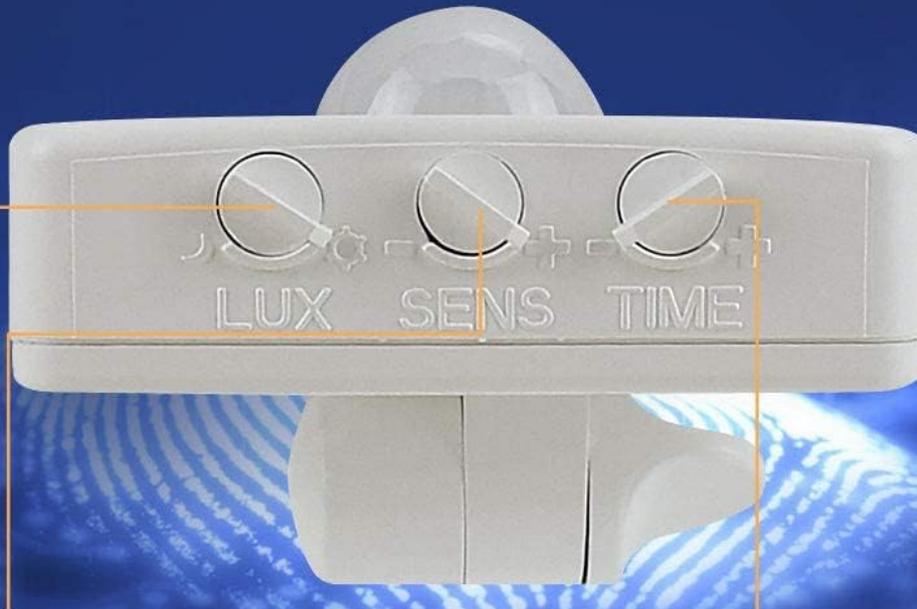
7. OPERATING INSTRUCTIONS

The motion sensor light features three adjustable knobs on the sensor unit for customization:

Figure 6: Sensor Adjustment Knobs (LUX, SENS, TIME)

- **LUX (Light Sensitivity):** This knob controls the ambient light level at which the sensor will activate the light.
  - Rotate clockwise towards the "sun" icon: The sensor works 24 hours a day, activating the light regardless of ambient light.
  - Rotate counter-clockwise towards the "moon" icon: The sensor works only at night, activating the light only when it's dark enough.

- **SENS (Sensitivity):** This knob adjusts the motion sensor's detection distance.
  - Adjust for a detection distance up to 12m (40 feet).
  - The detection range is 180°.

- **TIME (Duration):** This knob sets how long the light remains on after motion is detected and no further motion is sensed.
  - Adjustable range from 3 seconds to 12 minutes.

7.1 Motion Sensor Operation

Once powered on and settings are configured, the light will automatically turn on when motion is detected within its sensing range and the ambient light conditions meet the LUX setting. The light will remain on for the duration set by the TIME knob,

then turn off if no further motion is detected.

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Video 1: Demonstration of LED Motion Sensor Light features, including button adjustments for LUX, SENS, and TIME, and the flexibility of the light heads and sensor. This video also shows the plug-in functionality and how the motion sensor activates the light.

7.2 Dusk to Dawn Functionality

When the LUX knob is set to the "moon" icon, the light will only activate during nighttime hours, providing energy efficiency by preventing activation during daylight. When set to the "sun" icon, the light will operate 24 hours a day, useful for areas that are always dark.

Figure 7: Dusk to Dawn Motion Sensor Light Operation

8. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your DLLT LED Motion Sensor Outdoor Light.

- **Cleaning:** Periodically wipe the light fixture and sensor lens with a soft, damp cloth to remove dust, dirt, or debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the power cord and connections for any signs of damage or wear. Ensure the mounting

is secure.

- **Sensor Area:** Keep the area around the motion sensor clear of obstructions like overgrown plants or hanging decorations that could interfere with detection or cause false triggers.

9. TROUBLESHOOTING

If you encounter issues with your motion sensor light, refer to the following common problems and solutions:

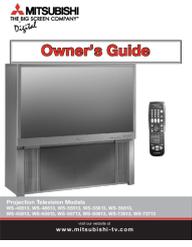| Problem	Possible Cause	Solution
Light does not turn on when motion is detected.	No power; LUX setting too high (daylight mode); SENS setting too low; sensor obstructed.	Check power connection. Adjust LUX to "sun" for 24hr operation or "moon" for night only. Increase SENS. Clear obstructions from sensor.
Light stays on continuously.	Continuous motion in detection area; LUX setting too low (always on); faulty sensor.	Ensure no constant motion. Adjust LUX to "moon" for night-only operation. If problem persists, contact customer support.
Light turns on too frequently or for no apparent reason.	SENS setting too high; sensor picking up distant objects (e.g., cars, animals); environmental factors (e.g., wind, temperature changes).	Decrease SENS. Adjust sensor angle to exclude unwanted detection areas. Consider relocating if environmental factors are persistent.
Light turns off too quickly or too slowly.	TIME setting is incorrect.	Adjust the TIME knob to the desired duration (3 seconds to 12 minutes).

10. WARRANTY AND SUPPORT

DLLT offers a full **1-year assurance** and **30-day refund** for quality-related issues. If you are not satisfied with your purchase for any reason, please contact our customer support team. Our primary goal is customer satisfaction, and we are committed to resolving any issues you may encounter.

For support, please refer to the contact information provided with your purchase or visit the official DINGLILIGHTING store on Amazon: DINGLILIGHTING Store.

Related Documents - WS-FPA8-20A

Ambient Weather WH31P Wireless Thermometer w/ 10' Waterproof Probe User Manual
User manual for the Ambient Weather WH31P wireless thermometer with a 10' waterproof probe. Provides instructions on setup, features, specifications, troubleshooting, warranty, and regulatory information. Compatible with various Ambient Weather stations.
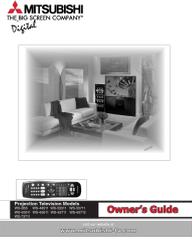
[Mitsubishi Projection TV Owner's Guide: Models WS-48513 to WS-73713](#)

Comprehensive owner's guide for Mitsubishi projection television models WS-48513, WS-48613, WS-55513, WS-55613, WS-55813, WS-65513, WS-65613, WS-65713, WS-65813, WS-73513, and WS-73713. Includes setup, connection, operation, and special features.

[Mesa Blue Glass Walk-In Steam Shower Installation and User Manual](#)

Comprehensive guide for installing and operating the Mesa WS-300A walk-in steam shower, including troubleshooting, technical specifications, and safety information.

[Mitsubishi Projection Television Owner's Guide](#)

Comprehensive owner's guide for Mitsubishi Projection Television models, covering setup, features, functions, and safety information.

[Mitsubishi Projection Television Owner's Guide](#)

Comprehensive owner's guide for Mitsubishi Projection Televisions, covering setup, features, operation, and troubleshooting for models like WS-48515, WS-55515, and others. Learn about NetCommand, connectivity, and menu options.

[Sonel WAADAWS... / WA(ADA)PRZ... Instrukcja obsługi akcesoriów](#)

Comprehensive user manual for Sonel WAADAWS... and WA(ADA)PRZ... accessories, detailing various test leads and adapters for electrical measurements. Includes technical specifications, safety guidelines, and compliance information according to EN IEC 61010 standards.