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ASD A-SFL-20BK

ASD LED Motion Sensor Outdoor Flood Light (Model A-SFL-20BK) Instruction Manual

Model: A-SFL-20BK

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ASD LED Motion Sensor Outdoor Flood Light, Model A-SFL-20BK. This advanced outdoor lighting solution features a 180° motion sensor, multiple lighting modes, adjustable color temperature, and rotatable light heads for optimal illumination and security.



Image: The ASD LED Motion Sensor Outdoor Flood Light, Model A-SFL-20BK, shown with its packaging. This image illustrates the product's design and included components.

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 property damage or personal injury. Keep this manual for future reference.

- **Electrical Safety:** Always turn off power at the circuit breaker before installing or servicing the fixture. Ensure all wiring connections are secure and comply with local electrical codes.
- **Grounding:** The fixture must be properly grounded to prevent potential electrical shock.
- **Qualified Electrician:** If you are unsure about any part of the installation process, consult a qualified electrician.
- **Operating Temperature:** Do not operate the fixture outside its specified temperature range.
- **Wet Locations:** This fixture is rated IP65 for wet locations, but ensure all seals and connections are properly secured during installation to maintain this rating.

SETUP AND INSTALLATION

Follow these steps for proper installation of your flood light. Ensure power is OFF at the circuit breaker before proceeding.

1. Prepare for Installation

- Unpack the fixture and inspect for any damage.
- Ensure all necessary mounting hardware is present.
- Turn off power at the main circuit breaker.

2. Mounting the Fixture

1. Attach the mounting bracket to the junction box using the provided screws.
2. Feed the electrical wires from the junction box through the gasket and into the fixture's wiring compartment.
3. Secure the fixture to the mounting bracket.

3. Wiring Connections

- Connect the **black** wire from the fixture to the **black (live)** wire from the power supply.
- Connect the **white** wire from the fixture to the **white (neutral)** wire from the power supply.
- Connect the **green (ground)** wire from the fixture to the **green or bare copper (ground)** wire from the power supply.
- Ensure all connections are secured with wire nuts and tucked neatly into the junction box.

4. Adjusting Light Heads

The light heads are rotatable 150° side-to-side and 180° up-and-down. Adjust them to cover your desired illumination area.



Image: Illustration showing the 180° up-and-down and 150° side-to-side rotation capabilities of the flood light heads, allowing for

precise light direction.

PRODUCT SPECIFICATION



			
2 Heads	20W Power	5CCT Color Selectable	2045lm Brightness
			BLACK Finish

Image: Detailed product specification diagram showing dimensions (10-1/4" L x 4-7/16" W x 6-13/16" H) and key features like motion sensor, photocell, 20W power, 5CCT, 2045lm brightness, and IP65 wet location rating.

OPERATING INSTRUCTIONS

Your ASD LED Flood Light offers versatile operation modes and customizable settings.

1. Selecting Lighting Modes

Use the control dial on the motion sensor to select one of three operating modes:

- ON TIME:** The light functions as a standard lamp, staying on continuously without motion sensing.
- DUSK TO DAWN (D2D):** The light automatically turns on at dusk and off at dawn, based on ambient light levels detected by the photocell.
- AUTO:** The light turns on and off based on motion detection and your selected lux requirement settings (L - Low sensitive / M - Middle sensitive / H - High sensitive).

ON-TIME

Works like a normal lamp without sensing



D2D DUSK TO DAWN

Auto on at dusk and auto off at dawn like sunlight



AUTO

Auto on & off based on motion detection and lux requirement settings

L - Low sensitive / M - Middle sensitive / H - High sensitive



THE BUILT-IN MOTION SENSOR

turns off the fixture automatically when no motion is detected

Image: Diagram illustrating the control dial for selecting ON TIME, D2D (Dusk to Dawn), and AUTO modes, with visual examples of how the light behaves in each setting.



BUILT-IN DUSK TO DAWN PHOTOCELL

automatically turns the fixture on/off depending on the time of day

Image: The flood light operating at night, demonstrating the built-in dusk-to-dawn photocell functionality which automatically activates the light when ambient light levels drop.

2. Motion Sensor Settings

The integrated 180° motion sensor has a detection range of up to 60 feet. In AUTO mode, you can adjust the sensitivity:

- **L (Low Sensitive):** Less sensitive to movement, ideal for areas with minimal activity.
- **M (Middle Sensitive):** Standard sensitivity for general use.
- **H (High Sensitive):** Most sensitive to movement, suitable for high-traffic areas or enhanced security.

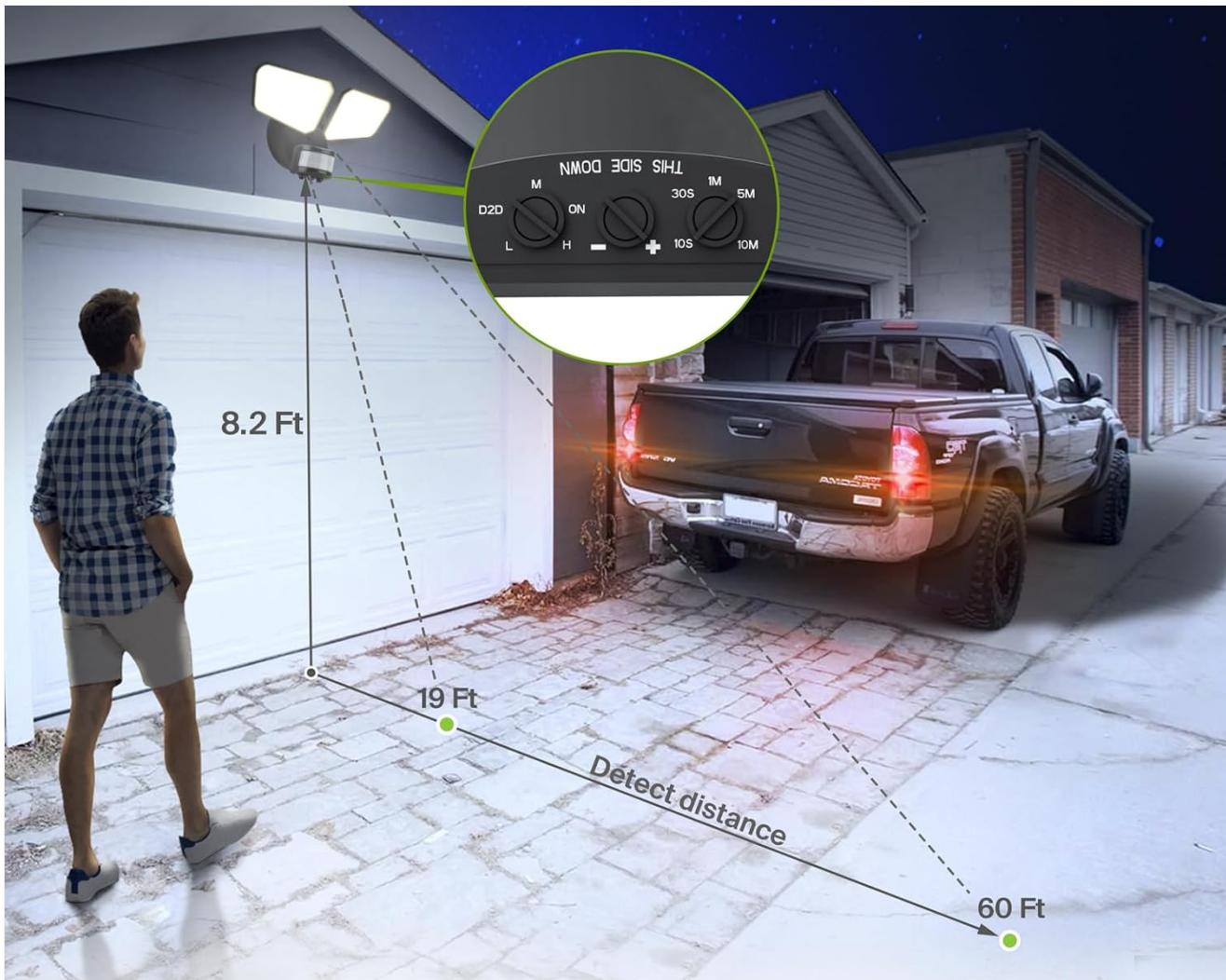
You can also adjust the 'Hold Time' (how long the light stays on after motion is detected) and 'Ambient Light' (lux level at which the sensor becomes active) settings using the respective dials on the sensor unit.



HIGH SENSITIVE

built-in 180° Motion Sensor

Image: A person walking in front of a garage, demonstrating the 180° detection angle of the high-sensitive motion sensor, which activates the flood light.



FLEXIBLE SETTINGS ON TIME/AUTO/D2D

AMBIENT LIGHT
< 10 LUX (< 0.9 FC)

HOLD TIME
10sec - 10min

DETECTION MOTION SPEED
0.6 - 1.5 M/S

Image: Diagram showing the flexible settings for the motion sensor, including Ambient Light (less than 10 lux), Hold Time (10 seconds to 10 minutes), and Detection Motion Speed (0.6-1.5 m/s), with a visual representation of the 60ft detection distance.

3. Color Temperature (CCT) Adjustment

The fixture offers 5 selectable color temperatures, ranging from warm to daylight. To change the CCT, locate the CCT switch on the fixture and slide it to your desired setting:

- **2700K:** Soft White
- **3000K:** Warm White
- **3500K:** Neutral White
- **4000K:** Cool White
- **5000K:** Daylight



Image: Visual representation of the 5 CCT options (2700K, 3000K, 3500K, 4000K, 5000K) and how they appear when the flood light is active, allowing users to select their preferred light ambience.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your flood light.

- **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.
- **Inspection:** Annually inspect the wiring and mounting hardware for any signs of wear, corrosion, or loosening. Tighten connections as needed.
- **Sensor Lens:** Keep the motion sensor lens clean and free from obstructions (e.g., dirt, spiderwebs) to ensure proper operation.

TROUBLESHOOTING

If you experience issues with your flood light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, faulty wiring, incorrect mode setting, photocell detecting too much light.	Check circuit breaker. Verify wiring connections. Ensure mode is set to AUTO or ON TIME. Cover photocell to test if it's detecting light.
Light stays on continuously.	Mode set to ON TIME or D2D, constant motion detected, sensor sensitivity too high.	Switch mode to AUTO. Reduce motion sensor sensitivity (L setting). Check for constant heat sources or movement in detection zone.
Motion sensor not detecting movement.	Sensor obstructed, sensitivity too low, incorrect ambient light setting.	Clean sensor lens. Increase sensor sensitivity (H setting). Adjust ambient light setting on the sensor. Ensure sensor is aimed correctly.
Light flickers or dims.	Loose wiring, voltage fluctuations, incompatible dimmer (if applicable).	Check and tighten all wiring connections. Consult an electrician for voltage issues. This fixture is not designed for use with dimmers.

PRODUCT SPECIFICATIONS

Brand: ASD

Model Name: SFL A-SFL-20BK

Part Number: A-SFL-20BK

Color: Black with Motion Sensor

Material: Aluminum, Polycarbonate

Style: Modern

Light Fixture Form: Floodlight

Room Type: Outdoor Spaces

Product Dimensions: 10.24" L x 4.45" W x 6.81" H

Specific Uses For Product: Outdoor

Indoor/Outdoor Usage: Outdoor

Power Source: Hardwired

Installation Type: Flush Mount

Special Features: 180° 3 Modes Motion Sensor and Photocell, 5 Color Temperature Options, Beam Angle 100°, Rotatable Light Heads for Directional Light Control, Wet Locations Rated (IP65)

Control Method: Remote (referring to sensor adjustments, not a physical remote)

Light Source Type: LED

Voltage: 120 Volts

Lighting Method: Adjustable

Item Weight: 1 Pounds

Wattage: 20 watts

Unit Count: 1.0 Count

Mounting Type: Wall Mount

Fixture Type: Non Removable

UPC: 810128113458

Certifications: UL, DLC Premium

Lifespan: 145,000 hours

WARRANTY INFORMATION

This ASD LED Motion Sensor Outdoor Flood Light (Model A-SFL-20BK) is covered by a **5-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, misuse, abuse, or unauthorized modifications.

For warranty claims or further details, please retain your proof of purchase and contact customer support.

CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your ASD LED Motion Sensor Outdoor Flood Light, please contact our customer support team.

Please visit the official ASD website for the most current contact information, including phone numbers, email addresses, and online support resources.

Online Resources: [Visit the ASD Store on Amazon](#)

Related Documents - A-SFL-20BK

	<p>ASD LED Linear High Bay with Q-Base: Specifications and Installation Guide</p> <p>Comprehensive guide to ASD's LED Linear High Bay with Q-Base, detailing product specifications, features, installation instructions, and ordering information. Covers energy efficiency, selectable power and color temperature, motion sensor options, and battery backup.</p>
	<p>ASD LED Downlight Retrofit Kit: Color Selectable, Dimmable, Energy Efficient Lighting</p> <p>Discover the ASD LED Downlight Retrofit Kit, featuring classic design, 5CCT color selectable options, smooth dimming, and easy installation. Ideal for wet locations, with a 50,000-hour lifespan and UL certification. Explore specifications and ordering information.</p>
	<p>ASD LED Seamless Vapor Proof Fixture - Product Specifications and Installation Guide</p> <p>Detailed specifications, features, and installation guide for the ASD LED Seamless Vapor Proof Fixture. Includes information on design, battery backup, color and power selection, applications, advantages, product presentation, ordering information, electrical and environmental specifications, annexes, package contents, and motion sensor information.</p>
	<p>ASD LED Trimless Downlight - Product Specifications, Installation, and Ordering Guide</p> <p>Comprehensive guide to ASD LED Trimless Downlights, covering product features, detailed specifications, installation instructions, and ordering information. Features include color-selectable CCT, high CRI, IC and Wet Location ratings, and long lifespan.</p>

	<p>ASD LED Round Downlight with Junction Box - Product Specifications and Installation Guide</p> <p>Detailed specifications, features, and installation instructions for the ASD LED Round Downlight with Junction Box. Learn about its design, energy efficiency, certifications, and ordering information.</p>
	<p>ASD LED Outdoor Wall Sconce: Modern, Color Selectable, Photocell Lighting</p> <p>Explore the ASD LED Outdoor Wall Sconce, featuring a modern design, clear seeded glass, 180° beam angle, and triac dimming. Offers color-selectable CCT (3000K/4000K/5000K) and a built-in dusk-to-dawn photocell. Rated for Wet Locations, durable, with a 50,000-hour lifespan and 5-year warranty. ETL certified.</p>