

AKOFUN FF300-2

AKOFUN 2500W Solar Flood Lights Outdoor Instruction Manual

Model: FF300-2

1. INTRODUCTION

Thank you for choosing the AKOFUN 2500W Solar Flood Lights. This manual provides detailed instructions for the safe installation, operation, and maintenance of your solar flood lights. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.

These solar flood lights are designed for outdoor use, providing bright and efficient illumination for areas such as backyards, garages, sheds, driveways, and more, utilizing solar power for energy efficiency.

2. SAFETY INFORMATION

- Ensure all components are securely fastened during installation to prevent accidental falls.
- Do not attempt to disassemble or modify the product. This may void the warranty and pose safety risks.
- Keep the solar panel clean to ensure efficient charging.
- Avoid placing the solar panel in shaded areas, as this will reduce charging efficiency.
- The product is waterproof (IP66 rated), but avoid submerging it in water.
- Keep away from flammable materials during operation.

3. PACKAGE CONTENTS

Before installation, please verify that all components are present:

- Solar Flood Light Unit(s) (2 units for 2-pack)
- Solar Panel(s) (2 units for 2-pack)
- Remote Control(s) (1 per light unit)
- Mounting Hardware (screws, expansion bolts)

- Connection Cable (16.4 ft / 5m per unit)



Image: Contents of the AKOFUN Solar Flood Lights package, showing two floodlight units, two solar panels, and two remote controls.

4. SETUP AND INSTALLATION

The AKOFUN Solar Flood Lights offer flexible installation options. Ensure the solar panel is placed in a location that receives direct sunlight for at least 6-8 hours daily for optimal charging.

4.1 Solar Panel Placement

Position the solar panel in an unshaded area to maximize sunlight exposure. The 16.4 ft (5m) connection cable allows for flexible placement of the solar panel away from the light unit if needed.



Image: Illustration of the solar panel charging during the day and the floodlight automatically activating at night.

4.2 Mounting Options

The flood light and solar panel can be installed separately or integrated, depending on your needs.

- **Wall Mount:** Securely attach the light unit and solar panel to a wall using the provided screws and expansion bolts.
- **Pedestal Mount:** Mount the light unit on a pole or pedestal.
- **Ceiling Mount:** Install the light unit on an overhead surface.

Separate Installation



2 Installation Ways

16.4ft / 5M Detachable Cable

Integrate Installation



Image: Two installation methods are shown: separate installation where the solar panel is mounted away from the light, and integrated installation where both are mounted together.

Image: Visual guide demonstrating three easy installation types: wall mount, pedestal mount, and ceiling mount.

4.3 Wiring Connection

Connect the solar panel cable to the flood light unit. Ensure the wiring is correct and align the arrows on the interface for a secure connection.

4.4 Initial Charge

Before first use, allow the solar panel to charge the light for a full day (6-8 hours) in direct sunlight to ensure the battery is adequately charged.

5. OPERATING INSTRUCTIONS

Your AKOFUN Solar Flood Lights are controlled via the included remote control. Ensure the remote control has a working AAA battery (included).

5.1 Remote Control Functions

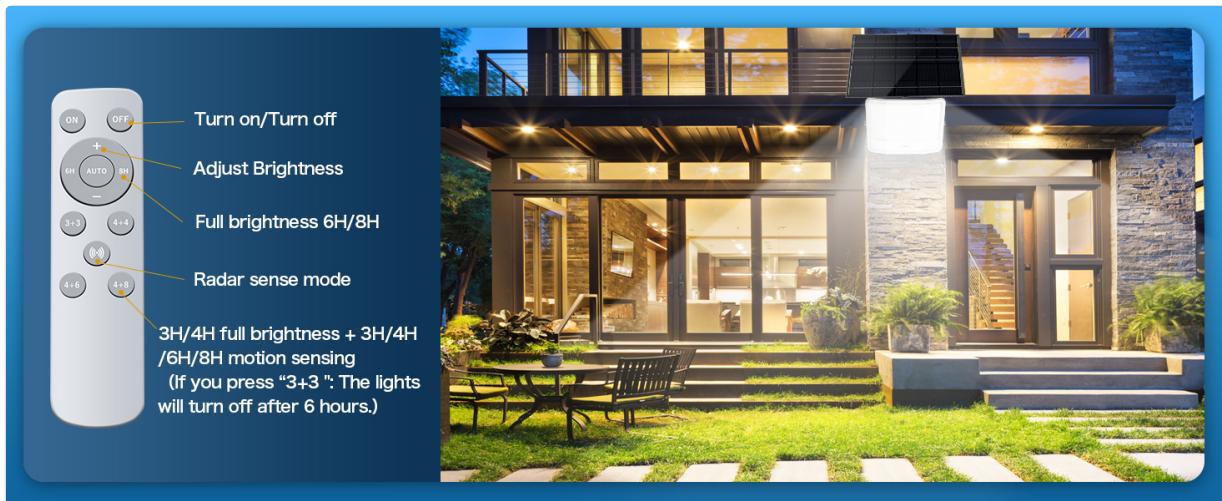


Image: The remote control showing buttons for power, brightness adjustment, timed full brightness (6H/8H), and radar sense mode with combined timer and motion sensing options.

- **ON/OFF:** Press to manually turn the light on or off.
- **Brightness Adjustment (+/-):** Adjust the light intensity.
- **AUTO:** Activates the dusk-to-dawn mode. The light will automatically turn on at dusk and turn off at dawn.
- **3H/5H/8H:** Sets the light to stay on at full brightness for 3, 5, or 8 hours after automatically turning on at dusk.
- **Radar Sense Mode (Motion Sensor):**
 - **Mode 1 (Auto):** Light turns on automatically at dusk and turns off at dawn.
 - **Mode 2 (Motion Sensor):** High intensity light turns on when motion is detected, then returns to low intensity light after 30 seconds of no motion.
 - **Mode 3 (Timer Setting):** Light turns on for 6 or 8 hours at high intensity.
 - **Mode 4 (Timer Setting + Motion Sensor):** Light turns on for 3 or 4 hours with strong light, then switches to motion detection mode (Mode 2) for the remaining 3 to 8 hours.

Motion Sensor & Intelligent Energy Saving

Mode 1

Automatic mode

Turns on automatically at dusk and turns off automatically at dawn.



Mode 2

Motion Sensor Mode

High intensity light turns on when a person approaches, and returns to low intensity light after the person leaves.



Mode 3

Timer Setting Mode

Turns on the light for 6/8 hours at high intensity.



Mode 4

Timer Setting + Motion Sensor Mode

The light turns on for 3 to 4 hours with strong light and then switches to the motion detection mode (3 to 8 hours).



Image: Detailed explanation of the four operating modes: Automatic (dusk to dawn), Motion Sensor (brightens on detection), Timer (constant bright for set hours), and Timer + Motion Sensor (initial bright, then motion-activated).

UPGRADED SENSITIVE MOTION SENSOR

30% brightness



Dim when no motion detected

100% brightness



Bright when motion detected

30% brightness



Dim when no motion detected within 20 seconds

Image: Visual representation of the upgraded sensitive motion sensor: dim light when no motion, bright light upon detection, and dimming back after 20 seconds of inactivity.

5.2 Indicator Lights

The flood light unit features indicator lights:

- **Flashing Indicator Light:** Indicates the unit is currently charging.
- **Solid Indicator Light:** Indicates the lamp is currently lighting.



Image: Illustration showing the indicator light flashing when charging and remaining solid when the lamp is actively lighting.

6. MAINTENANCE

- **Solar Panel Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum charging efficiency.
- **Light Unit Cleaning:** Clean the flood light unit periodically to maintain optimal light output.
- **Battery:** The internal battery is designed for long-term use. Do not attempt to replace it yourself.
- **Inspection:** Periodically check all connections and mounting hardware to ensure they remain secure.

7. TROUBLESHOOTING

If you encounter issues with your AKOFUN Solar Flood Lights, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charging. Solar panel is dirty or shaded. Light is in OFF mode. Battery is depleted.	Ensure solar panel receives 6-8 hours of direct sunlight daily. Clean the solar panel surface. Press the "ON" or "AUTO" button on the remote control. Allow the light to charge for 1-2 sunny days.
Light is dim or only stays on for a short time.	Insufficient charging due to weather or shade. Battery capacity reduced.	Relocate solar panel to a sunnier spot. Ensure solar panel is clean. Allow for several days of full charge.

Problem	Possible Cause	Solution
Remote control not working.	Remote battery depleted or incorrectly inserted. Obstruction between remote and light. Remote not paired (unlikely for this model, but general check).	Replace the AAA battery in the remote control. Ensure clear line of sight to the light's sensor. Point the remote directly at the light.
Light flashes red/green or behaves erratically.	Low battery warning. Interference or sensor issue.	Allow the light to charge for a full day in direct sunlight. Ensure the solar panel connection is secure. Try resetting by turning off and on with the remote.

8. SPECIFICATIONS

Feature	Detail
Brand	AKOFUN
Model Name	Solar Flood Lights (FF300-2)
Power Source	Solar Powered
Wattage	2500W (Equivalent)
Brightness	50000 Lumens
Light Color	White (6500K Color Temperature)
Material	Aluminum
Water Resistance Level	IP66 Waterproof
Control Method	Remote Control, Motion Sensor
Solar Panel Conversion Rate	Up to 25% (Monocrystalline Silicon)
Connection Cable Length	16.4 ft (5m)
Lighting Angle	Wide, Three-Sided Lighting
Estimated Lighting Area	Up to 2500 sq. ft.
Batteries Required	1 AAA battery for remote (included)
Product Dimensions	1 x 1 x 1 inches (Flood Light Unit)
Item Weight	15.57 pounds (for 2-pack)



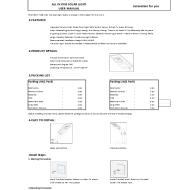
Image: A comparison chart highlighting key specifications of AKOFUN solar flood lights, such as color temperature, luminous flux, waterproof rating, and LED count.

9. WARRANTY AND SUPPORT

AKOFUN products are designed for durability and performance. For specific warranty details, please refer to the product packaging or contact AKOFUN customer support directly.

If you have any questions, require technical assistance, or need to report an issue, please contact AKOFUN customer service through the retailer's platform or visit the official AKOFUN store for support resources.

[Visit the AKOFUN Store for more information and support.](#)

	<p>AKOFUN 30"/42"/48"/52" Ceiling Fan User Manual - Installation, Operation & Troubleshooting</p> <p>Comprehensive user manual for AKOFUN 30, 42, 48, and 52-inch ceiling fans. Includes installation instructions, safety information, operation guide, troubleshooting tips, and specifications.</p>
	<p>Solar Powered Security Light User Manual</p> <p>This document provides instructions and information for the solar-powered security light, including installation, mode selection, care, and warranty details.</p>
	<p>BESTTEN Outdoor Countdown Timer with Dusk to Dawn Light Sensor User Manual</p> <p>User manual for the BESTTEN Outdoor Countdown Timer with Dusk to Dawn Light Sensor, featuring 3 grounded outlets and a 6-inch cord. Includes safety information, warranty details, timer instructions, and product specifications.</p>
	<p>ARLOITC ALL IN ONE SOLAR LIGHT User Manual - Installation & Operation Guide</p> <p>User manual for the ARLOITC ALL IN ONE SOLAR LIGHT (Model SL-078-2), detailing its features like motion sensor and dusk-to-dawn operation, product specifications (IP67 waterproof), packing list, step-by-step installation guide for wall and pole mounting, and comprehensive instructions for the radar sensor remote control. Includes information on light sensor modes, motion sensor functionality, and customer support contact.</p>
	<p>ONFORU LED Dusk to Dawn Wall Light Product Manual - Models BDD50D-2, BDD50D-3, BDC80D-3, BDD100D-3</p> <p>This product manual provides comprehensive information for the ONFORU LED Dusk to Dawn Wall Light. It covers essential safety guidelines, detailed specifications for models BDD50D-2, BDD50D-3, BDC80D-3, and BDD100D-3, component identification, installation instructions, wiring diagrams for US and EU, operation and maintenance procedures, and disposal information. The manual is available in English, German, French, Spanish, and Italian.</p>
	<p>Favorwe LED Solar Street Light: Instruction Manual and Installation Guide</p> <p>Comprehensive guide for Favorwe LED Solar Street Lights, covering safety instructions, technical parameters, packing list, remote control operation, installation steps, and mounting options. Includes details on Dusk-to-Dawn mode and remote control functions.</p>