

## **SOLLA B0CJ9747ZX**

# **SOLLA 500W LED Flood Light Instruction Manual**

Model: B0CJ9747ZX

## **1. INTRODUCTION**

Thank you for choosing the SOLLA 500W LED Flood Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new flood light. Please read these instructions thoroughly before installation and retain them for future reference.



Image 1.1: SOLLA 500W LED Flood Light. This image displays the front view of the black rectangular flood light with its integrated bracket and exposed wiring.



Image 1.2: Application examples of the SOLLA 500W LED Flood Light. This collage shows the flood light illuminating a baseball field, a large outdoor court, an indoor warehouse, and the exterior of a building at night.

## 2. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage, please observe the following safety precautions:

- **Electrical Safety:** Installation must be performed by a qualified electrician or competent person in accordance with local electrical codes and regulations. Ensure power is disconnected before installation or maintenance.
- **Grounding:** The fixture must be properly grounded to prevent electrical shock.
- **Voltage:** Verify that the supply voltage (110-265V AC) matches the requirements of the flood light.
- **Wiring:** Ensure all wire connections are secure and properly insulated. This flood light requires hard-wiring; it does not come with a plug.
- **Mounting:** Mount the fixture securely to a stable surface capable of supporting its weight.

- **Operating Temperature:** Do not operate the light in environments exceeding its specified operating temperature range.
- **Light Source:** Do not stare directly into the LED light source when it is illuminated, as this may cause eye strain or damage.
- **Modifications:** Do not attempt to modify or disassemble the fixture. This will void the warranty and may pose a safety hazard.

### 3. PRODUCT FEATURES

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The SOLLA 500W LED Flood Light is designed for high-performance outdoor illumination, offering:

- **High Brightness:** Equipped with 678 high-quality LED beads, delivering 50,000 lumens of 3000K warm white light. This is equivalent to a 2250W metal halide lamp, providing significant energy savings.
- **Extended Lifetime:** Features an aluminum alloy housing with high thermal conductivity, ensuring efficient heat dissipation and a lifespan exceeding 50,000 hours.
- **Weather Resistance:** IP66 rated for protection against dust and powerful water jets. Includes 4KV surge protection to safeguard against lightning and power surges during thunderstorms.
- **Durable Construction:** The metal bracket is designed for high-temperature resistance (up to 120°C) and anti-aging performance, allowing for easy adjustment and secure installation.
- **Versatile Installation:** Can be easily mounted on walls, floors, or ceilings with simple wiring steps.



AC 110-265V



Efficient Driver



No Flickering



>50000+Hours



Image 3.1: Illumination range of the SOLLA 500W LED Flood Light. This image highlights the light's ability to cover an area of 5000 sq. ft. and its features: AC 110-265V input, efficient driver, no flickering, and over 50,000 hours lifespan.



Image 3.2: Weather resistance features. This image illustrates the 4KV surge protection and IP66 waterproof rating of the flood light, showing it with raindrops and a lightning bolt graphic.

## 4. SETUP AND INSTALLATION

Before beginning installation, ensure the power supply is turned off at the circuit breaker.

### 4.1 Package Contents

Verify that all components are present:

- SOLLA 500W LED Flood Light Unit
- Integrated Mounting Bracket
- Instruction Manual

### 4.2 Mounting Options

The flood light can be installed in various configurations:

- **Wall Mounting:** Secure the bracket to a vertical surface.
- **Floor Mounting:** Secure the bracket to a horizontal surface.
- **Ceiling Mounting:** Secure the bracket to an overhead surface.



Image 4.1: Product components and mounting types. This image details features like reinforced glass fasteners, a vent hole, and a waterproof joint. It also illustrates the three mounting options: wall, floor, and ceiling mounting, along with the wiring length.

### 4.3 Wiring Instructions

The flood light requires hard-wiring. Follow these steps:

1. Ensure the power supply is OFF.
2. Connect the wires from the flood light to your main power supply:
  - **Green/Yellow wire:** Connect to Ground.
  - **Brown wire:** Connect to Live (L).
  - **Blue wire:** Connect to Neutral (N).
3. Secure all connections with appropriate wire connectors and ensure they are properly insulated.

#### 4.4 Dimensions

Refer to the diagram below for the physical dimensions of the flood light.

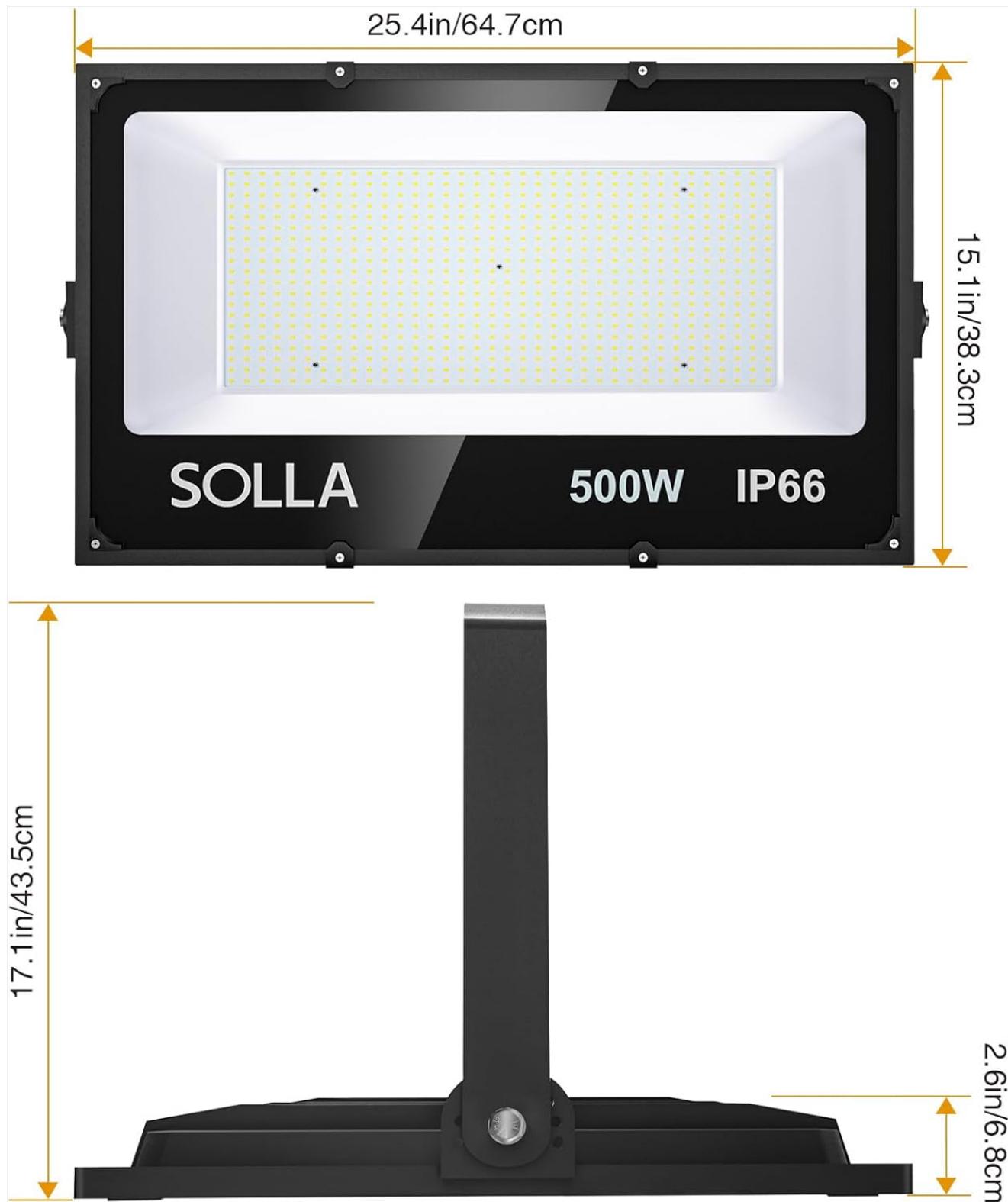
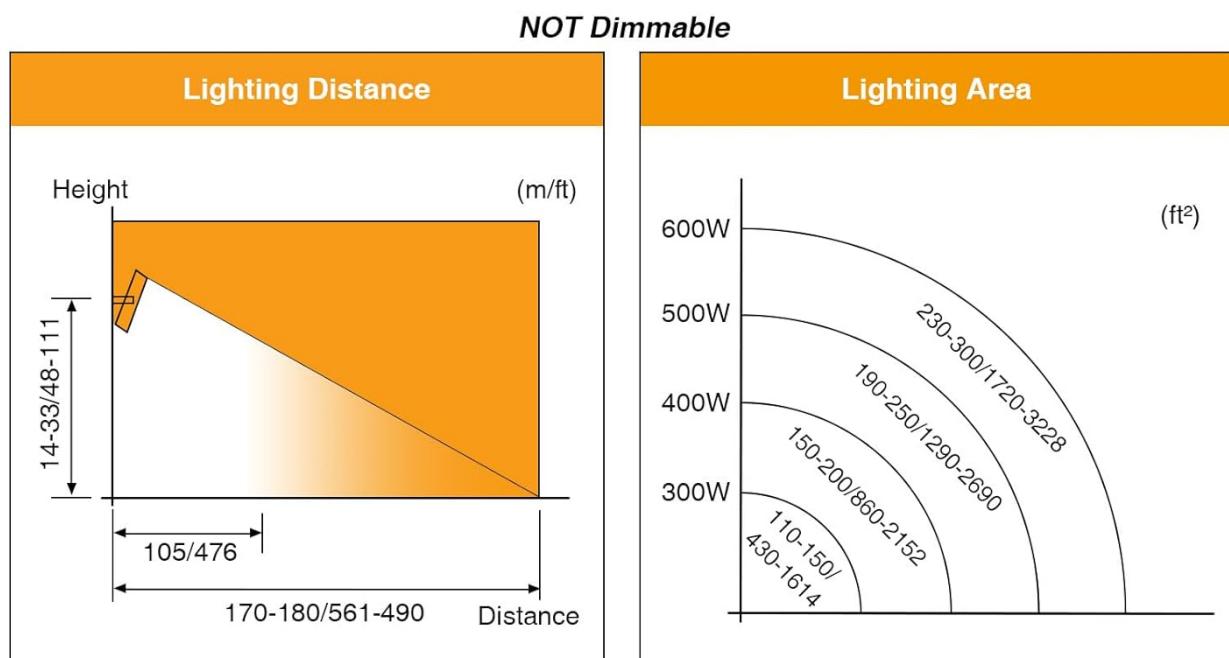


Image 4.2: Dimensions of the SOLLA 500W LED Flood Light. The image shows the length (25.4in/64.7cm), width (15.1in/38.3cm), and height (17.1in/43.5cm with bracket, 2.6in/6.8cm without bracket) of the fixture.

#### 4.5 Recommended Lighting Distance and Area

The following table provides guidance on suggested mounting heights and illumination areas for optimal performance.

## LED flood light irradiation distance table (600W)



Wattage	Suggest Mounting Height(m/ft)	Best Irradiation Distance(m/ft)	Accept Irradiation Distance(m/ft)	Irradiation Area(m/ft)
300W	8-18/27-60	60/230	80-90/264-295	110-150/430-1614
400W	10-23/34-77	75/312	110-120/363-360	150-200/860-2152
500W	12-28/41-94	90/394	140-150/462-425	190-250/1290-2690
600W	14-33/48-111	105/476	170-180/561-490	230-300/1720-3228

Image 4.3: LED flood light irradiation distance table. This table provides suggested mounting heights, best irradiation distances, acceptable irradiation distances, and total irradiation areas for various wattages, including 500W.

### LED Flood Light Irradiation Distance Table (500W)

Wattage	Suggest Mounting Height (m/ft)	Best Irradiation Distance (m/ft)	Accept Irradiation Distance (m/ft)	Irradiation Area (m/ft <sup>2</sup> )
500W	12-28 / 41-94	90 / 394	140-150 / 462-495	190-250 / 1290-2750

## 5. OPERATING INSTRUCTIONS

Once properly installed and wired, the SOLLA 500W LED Flood Light operates simply:

- Power On/Off:** Control the light using an external wall switch or circuit breaker connected to the fixture's power supply.
- Non-Dimmable:** This flood light is not dimmable. Do not connect it to a dimmer switch.

## 6. MAINTENANCE

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

- **Cleaning:** Periodically clean the surface of the light and lens with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose connections, or wear. Address any issues promptly.
- **Ventilation:** Ensure the heat sink fins on the back of the fixture are free from obstructions to allow for proper heat dissipation.

## 7. TROUBLESHOOTING

If you encounter issues with your SOLLA 500W LED Flood Light, refer to the following table:

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring connection Faulty switch/breaker	Check power supply to the fixture. Verify all wire connections are secure. Test or replace the switch/breaker.
Light flickers	Unstable power supply Loose wiring Incompatible dimmer switch	Ensure stable power input. Check and secure all wiring connections. Remove any dimmer switches; this light is non-dimmable.
Reduced brightness	Dirt or debris on lens Aging LED components	Clean the lens surface. If the light is old, reduced brightness may indicate end of life for some LED components.

If problems persist after attempting these solutions, please contact SOLLA customer support.

## 8. SPECIFICATIONS

Detailed technical specifications for the SOLLA 500W LED Flood Light:

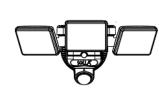
Feature	Specification
Brand	SOLLA
Model	B0CJ9747ZX
Wattage	500W
Luminous Flux	50,000 lumens
Color Temperature	3000K Warm White

Feature	Specification
Voltage	110-265V AC
Equivalent Wattage	2250W Metal Halide
Material	Aluminum
IP Rating	IP66 (Waterproof and Dust-tight)
Surge Protection	4KV
Lifespan	Over 50,000 hours
Style	Modern Floodlight

## 9. WARRANTY AND SUPPORT

SOLLA offers a 30-day return policy and a warranty for this product. For specific warranty terms, technical assistance, or customer support, please refer to the official Solla website or contact your retailer. You can visit the Solla store for more information: [Solla Official Store](#)

### Related Documents - B0CJ9747ZX

 <p>Solla® RGBCW Smart Flood Light User Manual</p> <p>Solla CUSTOMER SUPPORT www.solla.us</p>	<p><a href="#">Solla RGBCW Smart Flood Light User Manual - Installation, Features, and Support</a></p> <p>Comprehensive user manual for the Solla RGBCW Smart Flood Light. Includes safety instructions, installation guide, app features, troubleshooting, and FCC statement.</p>
 <p>LED Motion Sensing Security Light</p> <p>Retain this manual for future reference. Read the instructions carefully prior to installation!</p> <p>©2018 Solla. <a href="#">www.facebook.com/solla.us</a> <a href="#">www.solla.us</a></p>	<p><a href="#">Solla LED Motion Sensing Security Light User Manual</a></p> <p>User manual for the Solla LED Motion Sensing Security Light. Provides detailed instructions for installation, operation, safety precautions, and specifications. Features adjustable motion detection, dimming capabilities, and IP65 weather resistance.</p>
 <p>LED Motion Sensing Security Light</p> <p>Retain this manual for future reference. Read the instructions carefully prior to installation!</p> <p>©2018 Solla. <a href="#">www.facebook.com/solla.us</a> <a href="#">www.solla.us</a></p>	<p><a href="#">Solla LED Motion Sensing Security Light - Outdoor Floodlight with Motion Detection and Dusk to Dawn</a></p> <p>Comprehensive user manual for the Solla LED Motion Sensing Security Light. Covers safety instructions, specifications, installation, operation, and custom settings for outdoor security lighting. Features include adjustable detection range, dimmable brightness, and IP65 rating.</p>

