

SOLLA SOLLA 600W LED Floodlight & 400W LED Flood Light

SOLLA LED Flood Light Instruction Manual

Models: 600W (48000lm) & 400W (32000lm)

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your SOLLA LED Flood Light. Please read these instructions thoroughly before installation and retain them for future reference. The SOLLA LED Flood Light is designed for outdoor use, providing high-brightness illumination for various applications such as gardens, yards, parking lots, and streets.

2. IMPORTANT SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with all local electrical codes and regulations. Ensure power is disconnected at the circuit breaker before installation or servicing.
- **Grounding:** The fixture must be properly grounded to prevent potential electrical shock.
- **Voltage:** Verify that the supply voltage is compatible with the fixture's requirements.
- **Heat:** Do not touch the fixture when it is operating or immediately after turning it off, as it may be hot.
- **Waterproof Rating:** The fixture is IP66 rated for outdoor use, protecting against dust and powerful water jets. Do not submerge the fixture in water.
- **Eye Protection:** Avoid looking directly into the LED light source when illuminated, as it can cause eye strain or damage.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- SOLLA LED Flood Light Unit (1x 600W and/or 1x 400W)
- Adjustable Mounting Bracket (pre-attached)
- Instruction Manual

4. PRODUCT SPECIFICATIONS

Feature	400W Model	600W Model
Power Consumption	400W	600W
Luminous Flux	32000lm	48000lm
Color Temperature	6000K Daylight White	
Beam Angle	140°	
IP Rating	IP66 (Waterproof & Dustproof)	
Surge Protection	10KV	
Lifespan	>50,000 hours	
Material	Die-casting Aluminum, Tempered Glass	
Cable Length	1.1m (43.3in)	
Dimensions (W x H x D)	51cm x 37cm x 7.6cm (20in x 14.6in x 3in)	56.59cm x 44.47cm x 10.38cm (22.28in x 17.51in x 4.09in)
Mounting Options	Wall, Ground, Ceiling	

Note: This light might be larger than anticipated. Please check the measurements carefully before installation.

5. INSTALLATION INSTRUCTIONS

The SOLLA LED Flood Light is designed for hardwired installation. Professional installation is recommended.

5.1 Component Overview

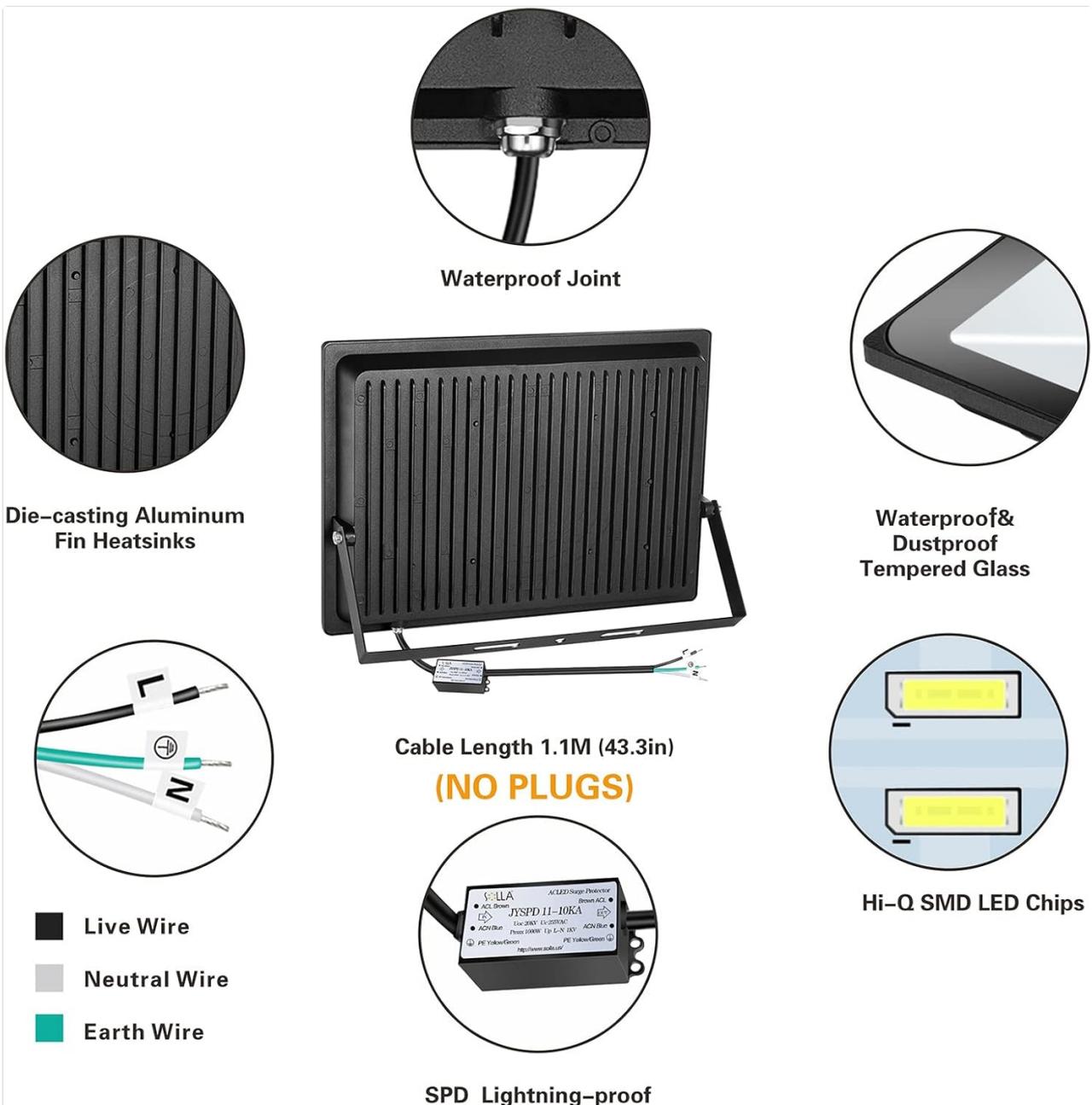


Figure 1: Key components of the Solla LED Flood Light, highlighting the robust construction and electrical connections.

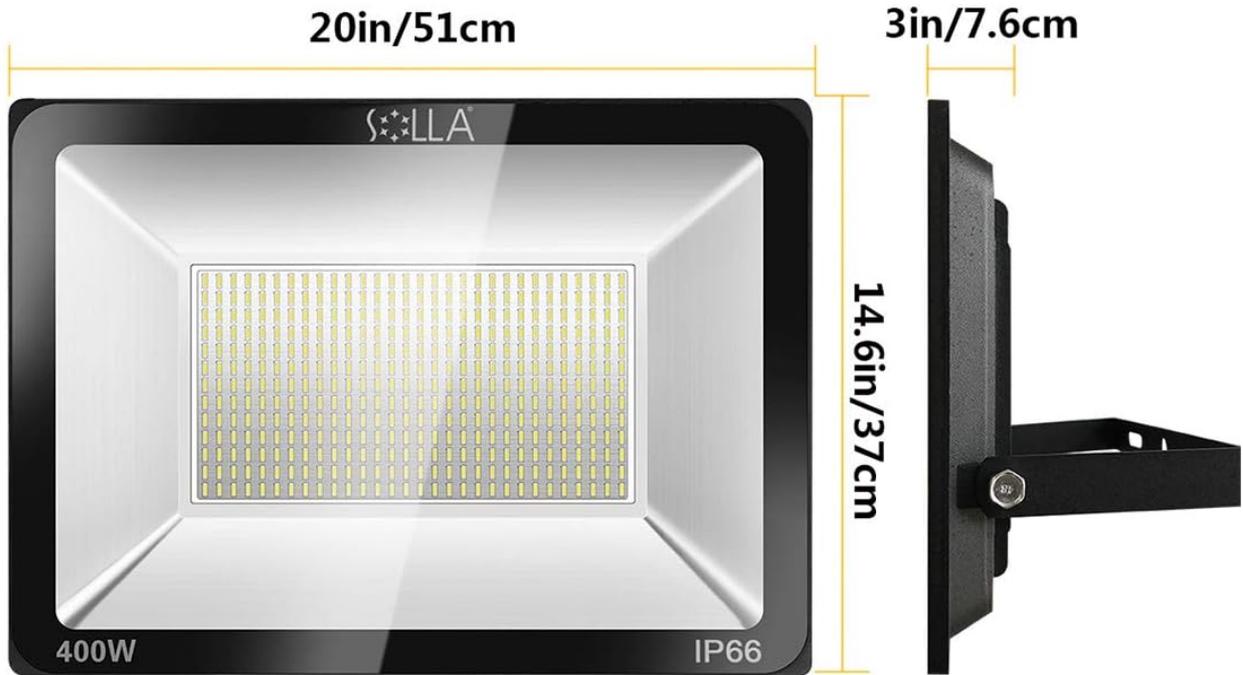
5.2 Mounting Options

The adjustable metal bracket allows for versatile mounting:

- **Wall-mount:** Secure the bracket to a vertical surface.
- **Ground-mount:** Attach the bracket to a horizontal surface or stake.
- **Ceiling-mount:** Fasten the bracket to an overhead structure.

NOTE

This light might be bigger than you imagine, please check the measurements carefully before you pay



Wall Mounting



Ground Mounting

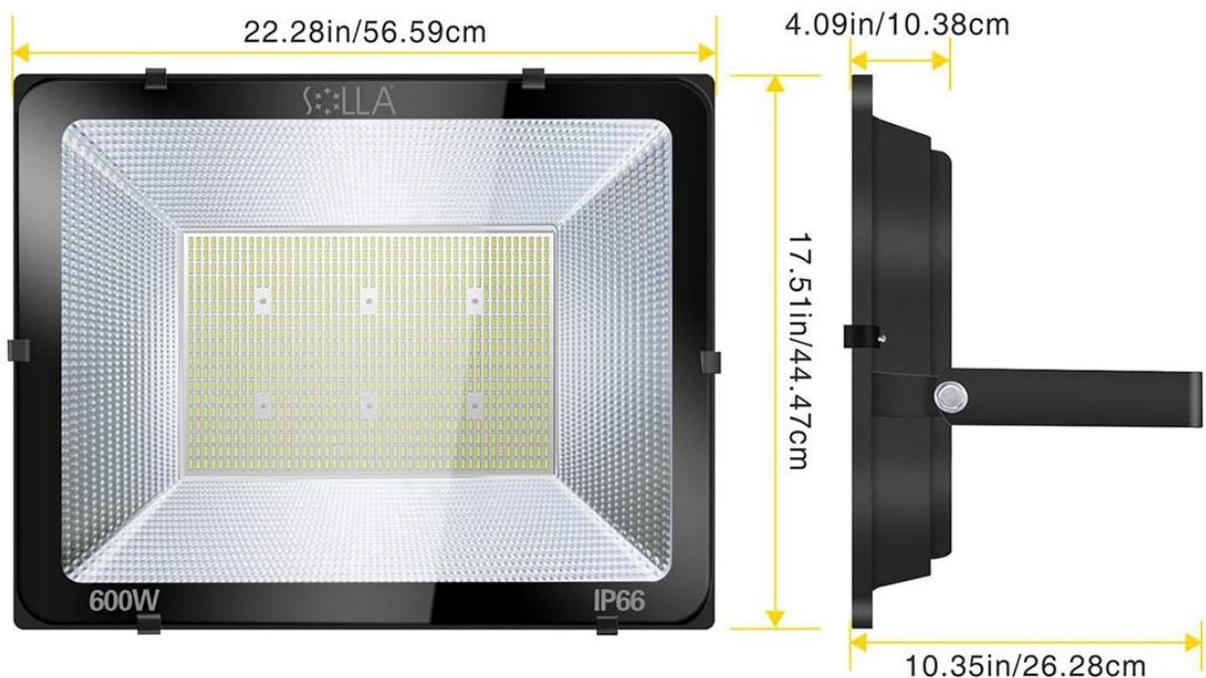


Ceiling Mounting

Figure 2: 400W Model dimensions and various mounting configurations.

NOTE

This light might be bigger than you imagine, please check the measurements carefully before you pay



Wall Mounting



Floor Mounting



Ceiling Mounting

Figure 3: 600W Model dimensions and various mounting configurations.

5.3 Wiring Instructions

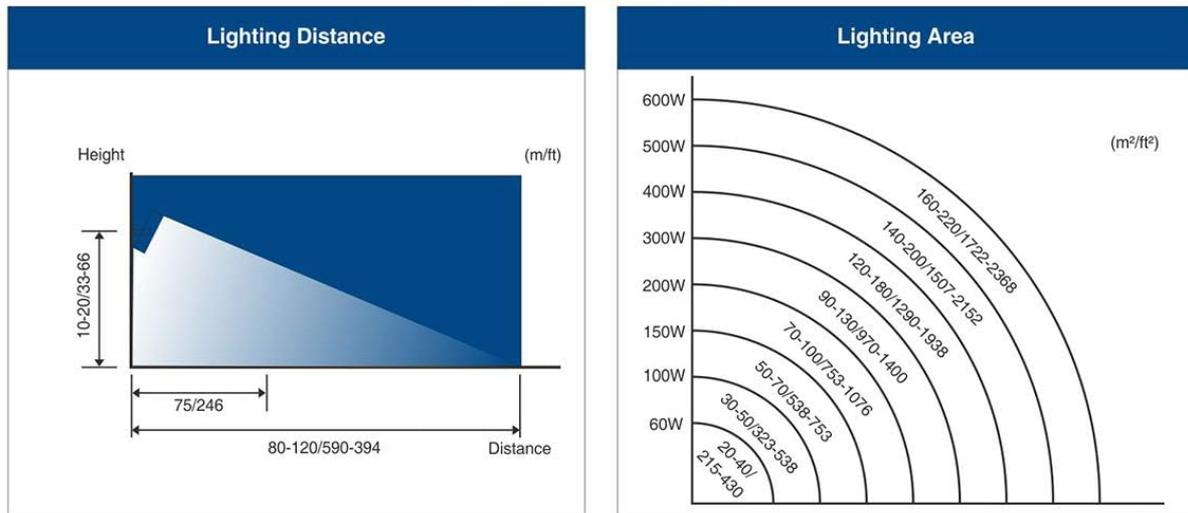
The flood light is hardwired and does not include a plug. Follow these steps for electrical connection:

1. **Disconnect Power:** Ensure the main power supply to the installation area is turned off at the circuit breaker.
2. **Identify Wires:** The fixture cable contains three wires: Live (black), Neutral (white), and Earth/Ground (green/yellow).
3. **Connect Wires:** Connect the fixture's wires to the corresponding wires from your power supply using appropriate wire connectors (not included).
 - Black (Live) to Live
 - White (Neutral) to Neutral
 - Green/Yellow (Earth) to Earth/Ground
4. **Secure Connections:** Ensure all connections are secure and insulated.

5. **Restore Power:** Once installation is complete and verified, restore power at the circuit breaker.

LIGHTING DISTANCE & AREA for REFERENCE (400W)

NOT Dimmable



Wattage	Suggest Mounting Height (m/ft)	Best Irradiation Distance (m/ft)	Accept Irradiation Distance (m/ft)	Irradiation Area (m ² /ft ²)
60W	3-6/10-20	10/33	15-35/50-115	20-40/215-430
100W	4-8/13-26	20/66	20-50/66-165	30-50/323-538
150W	5-11/16-36	30/98	30-60/98-1497	50-70/538-753
200W	6-13/20-43	45/148	50-70/165-230	70-100/753-1076
300W	8-15/26-50	60/197	70-100/230-328	90-130/970-1400
400W	10-20/33-66	75/246	80-120/590-394	120-180/1290-1938
500W	12-23/40-75	90/295	90-130/295-426	140-200/1507-2152
600W	14-26/46-85	105/345	100-140/328-460	160-220/1722-2368

Figure 4: Wiring diagram for the SOLLA LED Flood Light.

6. OPERATING INSTRUCTIONS

Once properly installed and wired, the SOLLA LED Flood Light operates by simply turning on the power supply to which it is connected. The light is designed for immediate full brightness.

- **Power On/Off:** Control the light using the wall switch or circuit breaker connected to the fixture.
- **Non-Dimmable:** This flood light is **NOT Dimmable**. Do not connect it to a dimmer switch, as this may damage the unit.
- **Wide Illumination:** The 140° wide beam angle ensures broad and even light distribution.



Figure 5: Lighting distance and area reference for 400W model, confirming non-dimmable feature.

7. MAINTENANCE

The SOLLA LED Flood Light requires minimal maintenance due to its durable design and long-lasting LED technology.

- **Cleaning:** Periodically clean the tempered glass surface with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **Inspection:** Regularly inspect the fixture for any signs of damage to the housing, cable, or mounting bracket. Address any issues promptly.
- **No User-Serviceable Parts:** There are no user-serviceable parts inside the fixture. Do not attempt to open or repair the unit, as this will void the warranty and may pose a safety risk.

8. TROUBLESHOOTING

If you encounter issues with your SOLLA LED Flood Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply Incorrect wiring Faulty switch/breaker	Check power supply to the fixture. Verify wiring connections (Live, Neutral, Earth). Test the switch or circuit breaker.
Light flickers	Loose wiring connection Incompatible dimmer switch	Check and secure all wiring connections. Ensure the light is not connected to a dimmer switch.
Reduced brightness	Dirt or debris on lens	Clean the tempered glass lens with a soft, damp cloth.

If the problem persists after attempting these solutions, please contact customer support.

9. WARRANTY AND SUPPORT

SOLLA LED Flood Lights are built for durability and a long operational lifespan of over 50,000 hours. For any questions regarding your product, installation, or troubleshooting, please do not hesitate to contact our customer support team. We are committed to providing assistance and will respond to your inquiries within 24 hours. For support, please refer to the contact information provided with your purchase or visit the official SOLLA website.