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› SOLLA 100W LED Flood Light Instruction Manual

SOLLA 1909

SOLLA 100W LED Flood Light Instruction Manual

Model: 1909

1. PRODUCT OVERVIEW

The SOLLA 100W LED Flood Light is designed for outdoor use, providing super bright and energy-efficient illumination. This product is suitable for various applications such as garages, gardens, lawns, and yards. It features a durable, waterproof design and an efficient heat dissipation system for extended lifespan.



Figure 1.1: Two Solla 100W LED Flood Lights, showcasing their compact design and IP66 rating.



Figure 1.2: Key features of the SOLLA 100W LED Flood Light, including energy efficiency, IP66 waterproofing, warm white light, and high brightness.

Key Features:

- **Ultra-Bright & Energy Saving:** A 140° wide beam angle illuminates larger areas with a brighter light, no shadow or glare. It's a great replacement for a 550W halogen bulb and can cut down over 82% on your electricity bill.
- **Efficient Heat Dissipation & Long Lifespan:** This brand new series has wider LED chip arrays, which reduce heat concentration, and a fin-type heat sink, which accelerates heat dissipation, thereby giving the flood light a long lifespan of over 50,000 hours.
- **Durable Housing & Flexible Bracket:** The integrated die-casting aluminum housing quickens heat dissipation, while the tempered glass protects this light from impacts and corrosion. Ceiling-mount, Wall-mount and Ground-mount are all suitable for this floodlight with the adjustable metal bracket.
- **Waterproof & Dustproof Design:** IP66 rating, suitable to be an indoor or outdoor lighting fixture, like garden light, yard light, villa light, park light, rooftop light, street light, etc.
- **Easy Installation:** SOLLA 100W led flood lights outdoor are hardwired and can be easily installed in just a few steps.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Always disconnect power at the circuit breaker before installing or servicing the fixture.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Ensure the power supply voltage matches the fixture's requirements (110 Volts).
- Do not look directly into the LED light when it is on, as it can cause eye strain or damage.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not modify the fixture or use it for purposes other than its intended use.
- Keep flammable materials away from the light fixture during operation.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package. If any parts are missing or damaged, please contact customer support.

- SOLLA 100W LED Flood Light (2 units)

Note: Mounting hardware (screws, nuts, washers) is not included and must be purchased separately.

4. SPECIFICATIONS

Feature	Specification
Brand	SOLLA
Model Name	HT-002 (Item Model Number: 1909)
Wattage	100 watts
Brightness	8000 Lumen
Light Color	3000K Warm White
Voltage	110 Volts
Material	Aluminum, Tempered Glass
Water Resistance Level	IP66 Waterproof
Indoor/Outdoor Usage	Outdoor
Power Source	Corded Electric
Mounting Type	Wall Mount (also suitable for ceiling/ground)
Item Weight	8.23 pounds (per pack of 2)
Lifespan	Over 50,000 hours

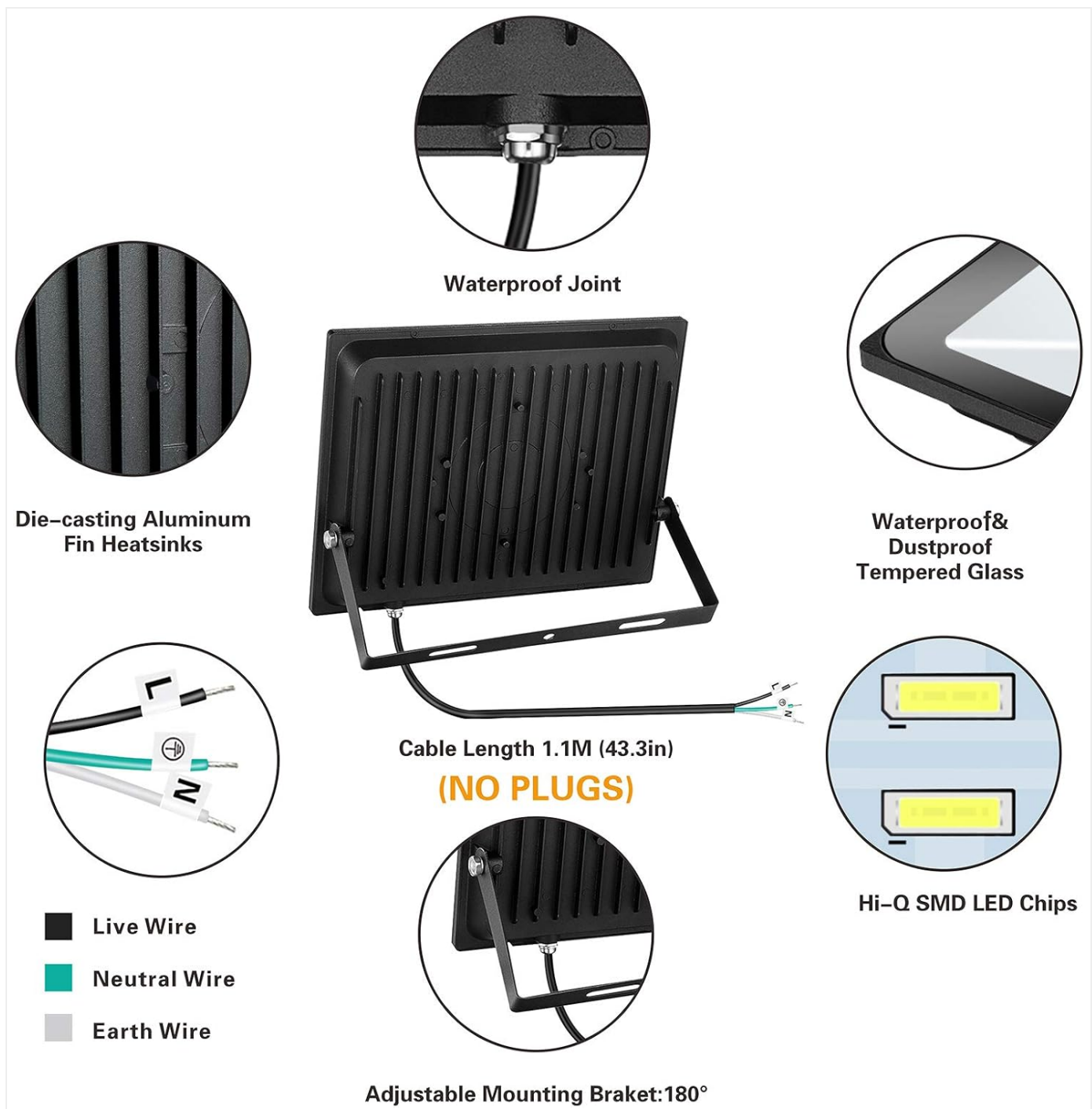


Figure 4.1: Product dimensions and various mounting options (Wall, Floor, Ceiling).



Figure 4.2: The IP66 waterproof rating ensures the floodlight is suitable for various environments, offering protection against water, heat, and cold.

5. SETUP AND INSTALLATION

The SOLLA 100W LED Flood Light is designed for straightforward hardwired installation. Follow these steps carefully:

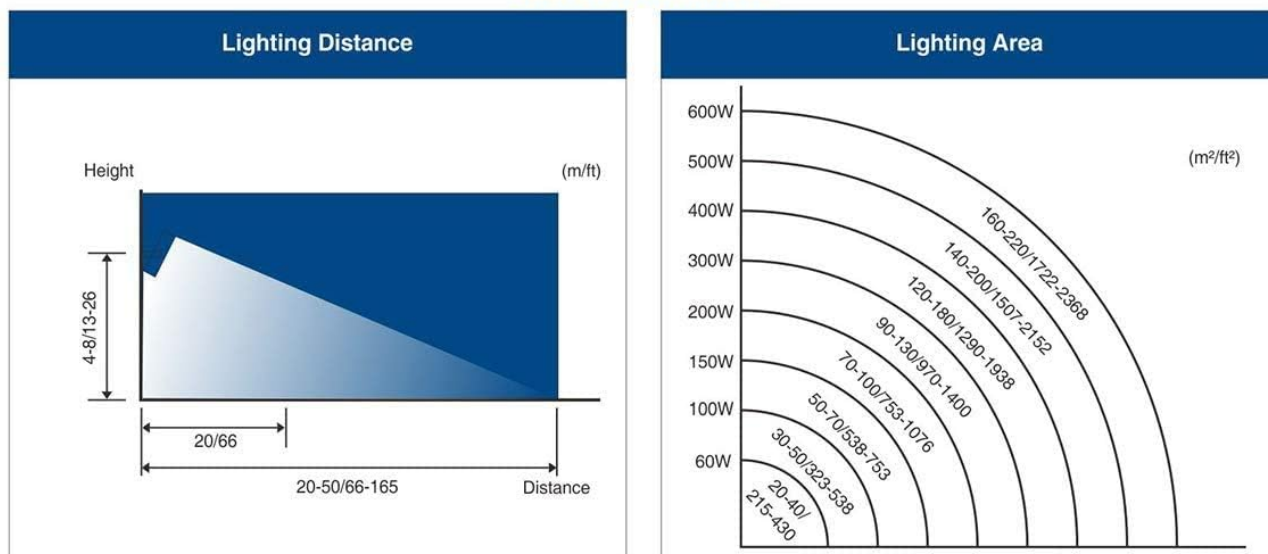
1. **Prepare for Installation:** Before beginning, ensure the power supply to the installation area is turned off at the circuit breaker. Gather necessary tools, including mounting hardware (not included), wire strippers, and screwdrivers.
2. **Choose Mounting Location:** Select a suitable location for the floodlight. The adjustable metal bracket allows for wall, ceiling, or ground mounting. Ensure the surface can support the weight of the fixture.
3. **Mount the Bracket:** Secure the adjustable metal bracket to the chosen surface using appropriate mounting hardware. The bracket can be adjusted 180 degrees to direct the light.
4. **Wire Connections:** The floodlight comes with a hardwired cable. Identify the Live (Brown), Neutral (Blue), and Earth (Yellow with green stripe) wires. Connect them to your main power supply wires accordingly.
 - Brown wire: Connect to Live (Black/Hot)
 - Blue wire: Connect to Neutral (White)
 - Yellow with green stripe wire: Connect to Earth (Ground)

Ensure all connections are tight and insulated with electrical tape or wire nuts.

5. **Secure the Fixture:** Attach the floodlight fixture to the mounted bracket. Tighten the bolts on the bracket to secure the light in the desired position.
6. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.

LIGHTING DISTANCE & AREA for REFERENCE (100W)

NOT Dimmable



Wattage	Suggest Mounting Height (m/ft)	Best Irradiation Distance (m/ft)	Accept Irradiation Distance (m/ft)	Irradiation Area (m²/ft²)
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 5.1: Detailed view of the floodlight's components, including the waterproof joint, die-casting aluminum fin heatsinks, wiring color codes (Live, Neutral, Earth), Hi-Q SMD LED Chips, and the 180° adjustable mounting bracket.

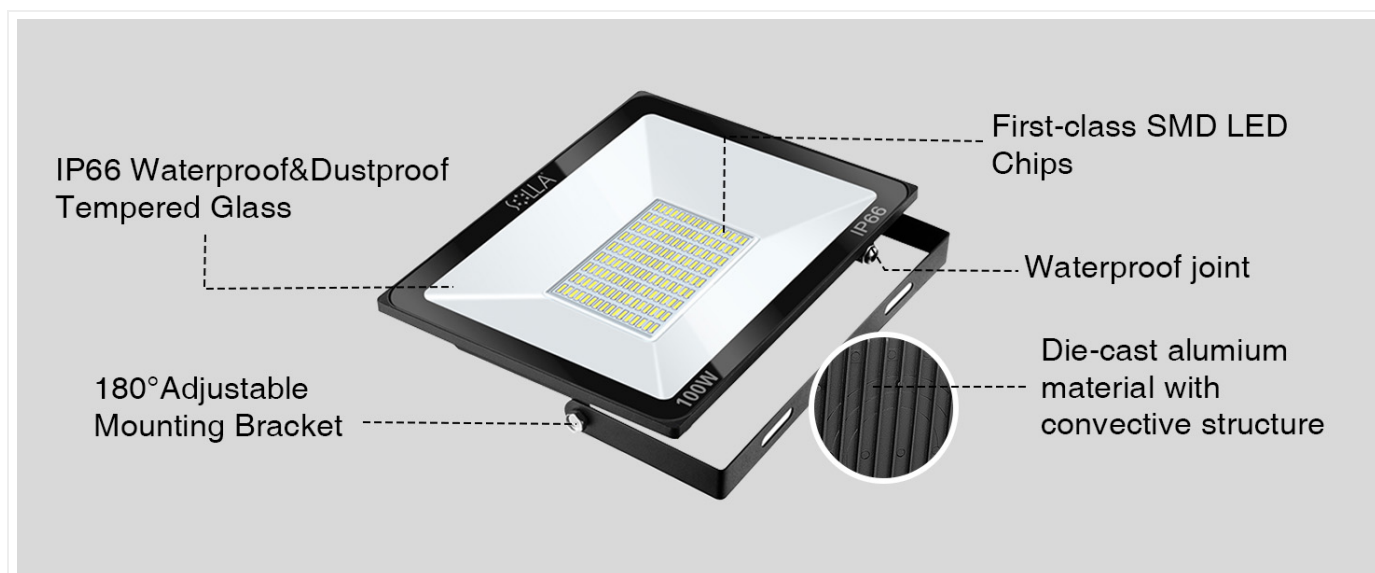


Figure 5.2: An exploded diagram illustrating the internal structure and key components such as the IP66 waterproof and dustproof tempered

glass, first-class SMD LED chips, waterproof joint, and die-cast aluminum material with convective structure.

6. OPERATION

Once properly installed and powered, the SOLLA 100W LED Flood Light will illuminate. This model does not include a built-in light sensor or switch; operation is controlled by the external power switch it is connected to.

Illumination Performance:

- **Brightness:** Provides 8000 lumens of bright, warm white light (3000K).
- **Beam Angle:** A wide 140° beam angle ensures broad coverage without shadows or glare.
- **Coverage:** Capable of illuminating large areas, such as up to 538 sq ft for a 100W light.



Figure 6.1: Various application scenarios demonstrating the floodlight's effectiveness in illuminating outdoor spaces like garages, lawns, and building exteriors.

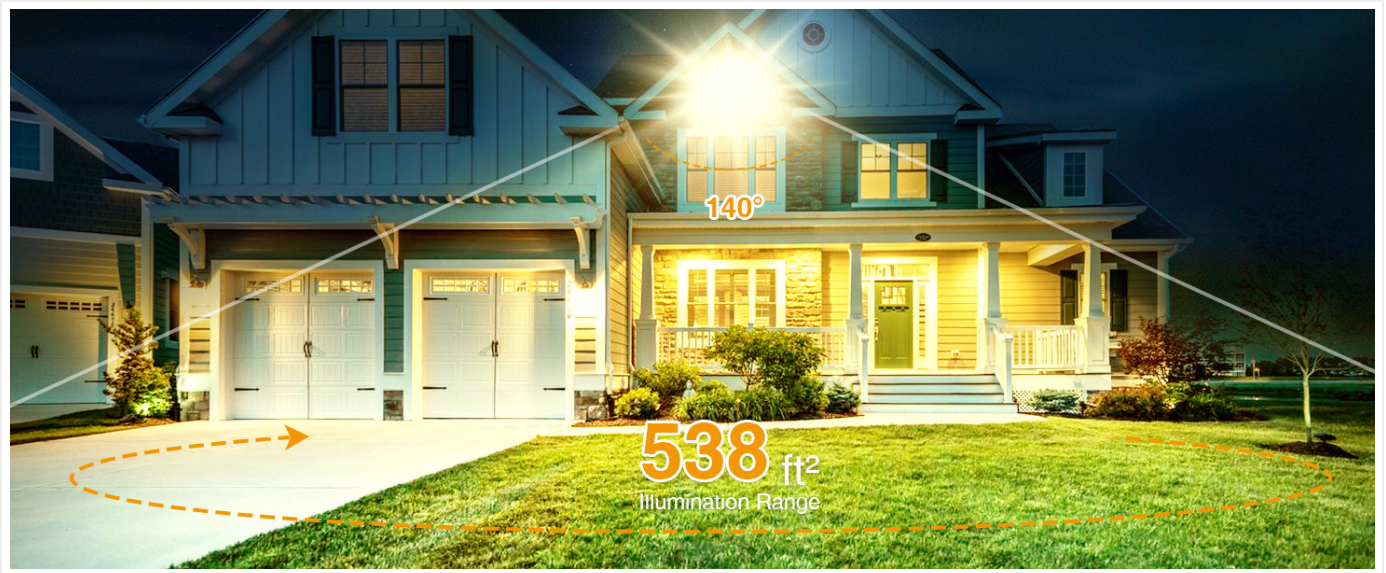


Figure 6.2: Diagram illustrating the 140° wide beam angle and the effective illumination range of approximately 538 sq ft for the SOLLA 100W LED Flood Light.



Figure 6.3: A reference chart detailing suggested mounting heights, best irradiation distances, accepted irradiation distances, and irradiation areas for different wattage floodlights, including the 100W model.

7. MAINTENANCE

The SOLLA LED Flood Light is designed for minimal maintenance. Regular checks can help ensure optimal performance and longevity.

- **Cleaning:** Periodically clean the tempered glass surface with a soft, damp cloth to remove dirt, dust, or debris that may obstruct light output. Do not use abrasive cleaners or solvents.
- **Connection Check:** Annually inspect the electrical connections for any signs of wear, corrosion, or loosening. Ensure all wiring is secure and properly insulated.
- **Fixture Inspection:** Check the housing and bracket for any physical damage. Ensure the bracket remains securely fastened to its mounting surface.

Note: Do not attempt to open or repair the fixture yourself. This may void the warranty and pose a safety risk.

8. TROUBLESHOOTING

If you encounter issues with your SOLLA LED Flood Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; Loose wiring connection; Faulty fixture.	Check circuit breaker and power switch. Verify all wire connections are secure. If problem persists, contact customer support.
Light is dim or flickers.	Insufficient power; Loose connection; Damaged LED chips.	Ensure stable power supply. Check wiring connections. If individual LEDs are out or flickering, the unit may be faulty; contact support.
Light turns on/off unexpectedly (if connected to a sensor).	External light sensor is too close or directly exposed to the floodlight.	Relocate the external light sensor further away from the floodlight or to a position not directly illuminated by it.
Water inside the fixture.	Improper installation; Damaged seal.	Ensure waterproof joint is properly sealed during installation. If damage is visible, contact customer support.

If troubleshooting steps do not resolve the issue, please contact SOLLA customer support for further assistance.

9. WARRANTY AND SUPPORT

SOLLA is committed to providing high-quality products and excellent customer service. Your SOLLA LED Flood Light is backed by a manufacturer's warranty. For specific warranty details and duration, please refer to the product packaging or contact SOLLA directly.

If you have any questions, require technical assistance, or need to report an issue with your product, please contact SOLLA customer support. They are dedicated to resolving any concerns you may have within 24 hours. For the most up-to-date contact information, please visit the official SOLLA website or refer to the contact details provided with your purchase.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question