

IINCOOY 10W

IINCOOY 10W LED Floodlight IP66 Waterproof Outdoor Projector User Manual

1. INTRODUCTION

Thank you for choosing the IINCOOY 10W LED Floodlight. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new floodlight. Please read these instructions carefully before use and retain them for future reference. This LED floodlight is designed for both indoor and outdoor applications, offering bright, energy-efficient illumination with a durable, waterproof design.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation must be performed by a qualified electrician or competent person in accordance with local electrical codes and regulations. Ensure the power supply is disconnected before installation, maintenance, or cleaning.
- **Grounding:** This product requires proper grounding to prevent electric shock. Ensure the ground wire is correctly connected.
- **Water Resistance:** The floodlight is rated IP66, meaning it is protected against powerful water jets and dust. However, it is **not** designed for submersion in water. Do not use it underwater.
- **Temperature:** Operate the floodlight within the specified working temperature range of -35°C to +55°C.
- **No Plug Included:** This floodlight does not come with a pre-attached plug. It requires direct wiring. If a plug-and-play solution is needed, this product may not be suitable.
- **Light Source:** Do not stare directly into the LED light source when it is illuminated, as this may cause eye strain or damage.

3. PACKAGE CONTENTS

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

- 1 x IINCOOY 10W LED Floodlight
- 1 x Installation Instructions Manual

4. PRODUCT OVERVIEW

The IINCOOY 10W LED Floodlight is an ultra-slim, high-efficiency lighting solution designed for various applications. Its robust construction ensures longevity and reliable performance in diverse environments.

Key Features:

- **High Light Efficiency:** Delivers 700 lumens, providing effective illumination while saving up to 90% energy compared to traditional halogen floodlights.
- **Durable Construction:** Features a tempered glass mask for high light transmittance and hardness, and a die-cast aluminum shell to prevent rust and extend lifespan.
- **IP66 Weather Resistance:** Fully sealed design ensures protection against dust and powerful water jets, suitable for outdoor use in various weather conditions.
- **Flexible Installation:** Equipped with an adjustable metal bracket for mounting on ceilings, walls, or floors, allowing for precise light direction.
- **Wide Beam Angle:** A 120-degree luminous angle ensures broad coverage.
- **Long Lifespan:** LED life exceeds 50,000 hours.



IP65 Waterproof

Figure 1: The IINCOOY 10W LED Floodlight demonstrating its IP66 waterproof capability under simulated rain conditions.



Big Beam Angle

120-degree wide beam angle, providing a wide range of illumination.



Figure 2: Illustration of the floodlight's 120-degree wide beam angle, providing extensive illumination for areas like a garage entrance.



Super Bright: 1000Lm
Color Temperature: 6000-6500K



Figure 3: The floodlight illuminating a house entrance, highlighting its super bright output of 700 lumens and cool white color temperature.

10W LED FLOOD LIGHT



700 Lumens
Brightness



120°
Beam Angle



50,000+
Hours Lifespan

Figure 4: Summary of the 10W LED Floodlight's core features, including brightness, beam angle, and lifespan.

5. SPECIFICATIONS

Attribute	Specification
Brand	IINCOOY
Model	10W
Power	10 Watts
Brightness	700 Lumens
Light Color	Cool White (6500K)
Luminous Angle	120°
Protection Level	IP66 (Waterproof)
Material	Die-cast Aluminum, Tempered Glass
LED Life	>50,000 hours
Working Temperature	-35°C to +55°C
Line Length	50 cm
Number of LED Beads	12 pieces (SMD 2835)
Energy Efficiency Class	A
Certification	CE & RoHS
Mounting Type	Ceiling Mount, Wall Mount, Floor Mount

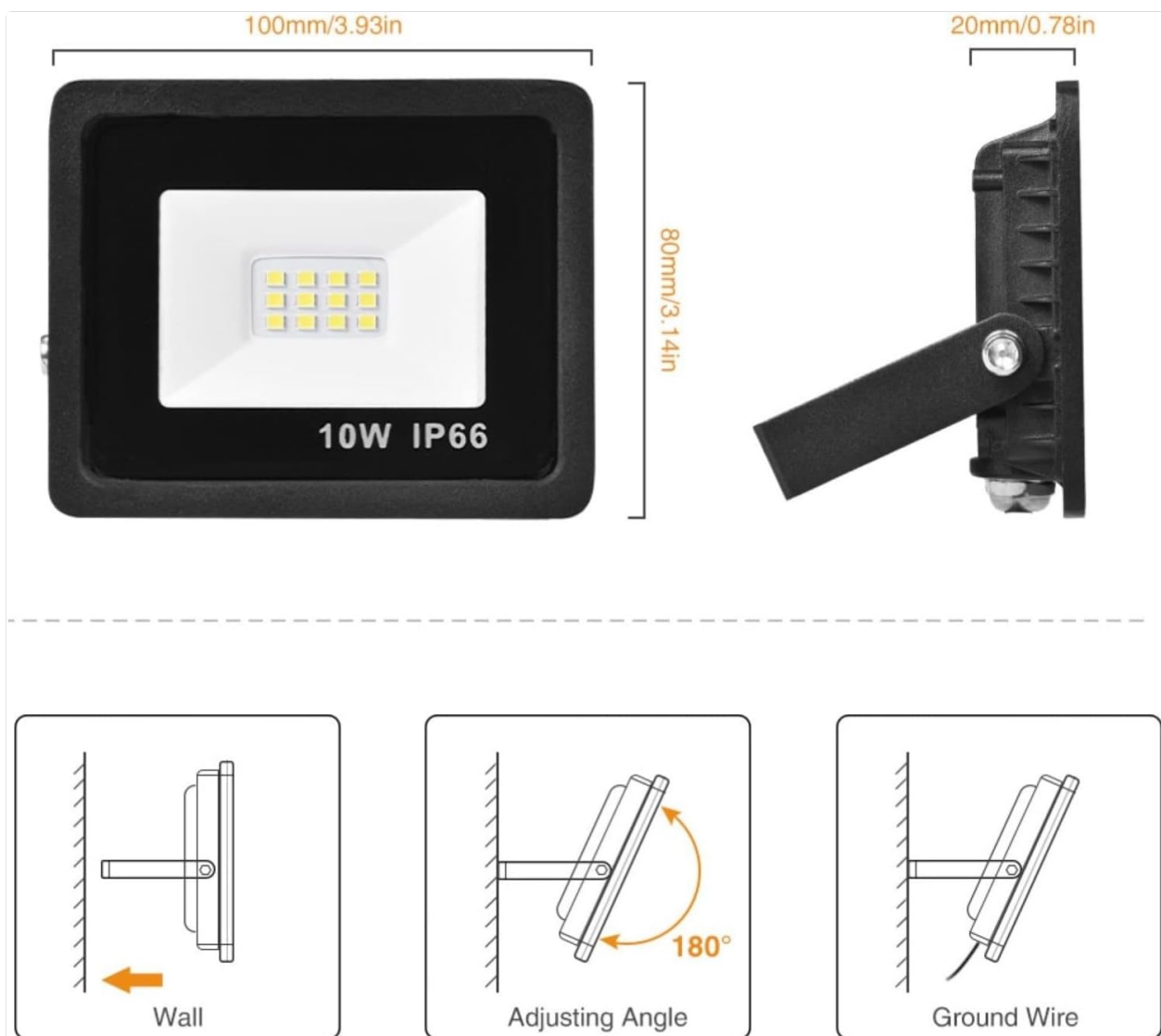


Figure 5: Detailed dimensions of the floodlight and visual guides for wall mounting, adjusting the angle, and connecting the ground wire.

6. SETUP AND INSTALLATION

Follow these steps for proper installation of your LED floodlight. Ensure power is OFF before beginning.

1. **Choose Location:** Select a suitable location for mounting, such as a wall, ceiling, or floor. Consider the desired illumination area and beam angle.
2. **Mounting:** Use the adjustable metal bracket to secure the floodlight. Mark the drilling points on the surface, drill holes, and attach the bracket using appropriate screws and anchors (not included). Ensure the bracket is firmly fixed.
3. **Adjust Angle:** Once mounted, adjust the floodlight's angle to direct the light as needed. The bracket allows for flexible positioning.
4. **Wiring:**
 - The floodlight comes with a 50cm power cord but no plug. It requires direct wiring to your electrical system.
 - Connect the live (brown), neutral (blue), and ground (yellow/green) wires from the floodlight to your main power supply wires. Ensure all connections are secure and insulated with waterproof connectors suitable for outdoor use if applicable.

- **Important:** Proper grounding is crucial for safety. Connect the yellow/green wire to the ground terminal of your electrical system.

5. **Test:** After installation and wiring are complete, restore power and test the floodlight.

7. OPERATING INSTRUCTIONS

The IINCOOY 10W LED Floodlight operates simply by connecting it to a power source. There are no complex controls or settings.

- **Power On/Off:** The floodlight will illuminate when power is supplied and turn off when power is disconnected. Control can be managed via a wall switch, timer, or smart plug connected to its power source.
- **Usage Environments:** Suitable for various indoor and outdoor applications including garages, gardens, patios, workshops, backyards, and for illuminating billboards or building facades.



Figure 6: Examples of the floodlight in use, providing bright illumination for various outdoor settings such as driveways, gardens, and pathways.

8. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your floodlight.

- **Cleaning:** Periodically clean the tempered glass mask with a soft, damp cloth to remove dirt, dust, or debris that may obstruct light output. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Regularly inspect the power cord and connections for any signs of damage, wear, or corrosion. Ensure all mounting screws remain tight.
- **No User-Serviceable Parts:** The LED light source is integrated and not user-replaceable. Do not attempt to open or repair the floodlight yourself. Contact qualified personnel for any issues beyond basic maintenance.

9. TROUBLESHOOTING

If you encounter issues with your floodlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring connection Faulty switch/timer	Check power source and circuit breaker. Verify all wire connections are secure (ensure power is off first). Test the switch or timer.
Light is dim or flickers	Insufficient power Loose connection Extreme operating temperature	Ensure stable power supply. Check wiring connections. Verify ambient temperature is within -35°C to +55°C.
Water inside the casing	Improper installation/sealing Damage to casing/seal	Ensure all seals are intact and installation is correct. If damage is present, discontinue use and replace the unit.

If the problem persists after attempting these solutions, please contact customer support or a qualified electrician.

10. WARRANTY AND SUPPORT

This product is manufactured to high-quality standards. For any questions, technical assistance, or support regarding your IINCOOY 10W LED Floodlight, please refer to the retailer's return policy or contact the manufacturer directly through their official channels. Please retain your proof of purchase for any warranty claims.

