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HOFTRONIC 5427336

HOFTRONIC Helios Smart LED Solar Floodlight User Manual

Model: 5427336 | Brand: HOFTRONIC

1. Introduction

1.1 Product Overview

The HOFTRONIC Helios Smart LED Solar Floodlight is a powerful and versatile outdoor lighting solution designed for efficiency and smart control. This 50W floodlight provides 410 lumens of 6500K daylight white light, ideal for illuminating gardens, carports, driveways, and terraces. It features a separate solar panel for optimal charging, smart control via a smartphone app, remote control, and voice commands (Google Home, Amazon Alexa, Siri).
Built with durability in mind, the floodlight boasts an IP65 waterproof rating and IK08 impact protection, ensuring reliable performance in various weather conditions. Its low UGR (Unified Glare Rating) of <15 minimizes glare, providing comfortable illumination. The integrated twilight switch automatically activates the light at dusk, offering convenience and energy savings.

1.2 Safety Information

- Read all instructions carefully before installation and use.
- Ensure the solar panel is installed in a location that receives maximum direct sunlight.
- Do not attempt to open or modify the floodlight or solar panel.
- Keep away from flammable materials.
- This product is designed for outdoor use and is IP65 rated for water and dust resistance. However, avoid submerging it in water.
- Handle the product with care to prevent damage.

2. Package Contents

Please check that all components are present and in good condition:

- HOFTRONIC Helios Smart LED Solar Floodlight (50W)
- Separate Solar Panel with 1-meter connection cable
- Remote Control

- Mounting Hardware (screws, wall plugs)
- User Manual (this document)



Image: The HOFTRONIC Helios Smart LED Solar Floodlight, its separate solar panel, and the included remote control. The floodlight is a rectangular unit with multiple LED chips, and the solar panel is a flat, dark rectangular panel with a stand.

3. Setup and Installation

3.1 Choosing a Location

- **Floodlight:** Mount the floodlight in the desired area to be illuminated. Ensure it is positioned to cover the intended space.
- **Solar Panel:** The solar panel should be installed in a location that receives**maximum direct sunlight** throughout the day, free from shadows from trees, buildings, or other obstructions. The 1-meter cable allows for flexible placement.



Image: An example installation showing the solar panel mounted on a wall above a garage door, and the floodlight mounted below it, illustrating optimal placement for sunlight exposure.

3.2 Mounting the Units

1. Mark the drilling points for both the floodlight and the solar panel using their respective mounting brackets.
2. Drill holes at the marked points and insert wall plugs (if necessary for your surface).
3. Securely attach the floodlight and solar panel using the provided screws.

3.3 Connecting the Solar Panel

Connect the 1-meter cable from the solar panel to the input port on the floodlight. Ensure the connection is secure and watertight.



Image: A close-up view demonstrating the "Plug & Play" connection point on the back of the floodlight where the solar panel cable connects.

3.4 Initial Charging

Before first use, allow the solar panel to charge the floodlight's 5000mAh battery for **6-8 hours** in direct sunlight. This ensures the battery is fully charged for optimal performance, providing up to 12 hours of illumination on a single charge.

4. Operating Instructions

4.1 Automatic Operation (Twilight Switch)

The HOFTRONIC Helios floodlight is equipped with a built-in twilight switch. This sensor automatically detects ambient light levels and will turn the floodlight ON at dusk and OFF at dawn, conserving battery life.



Image: The solar panel and floodlight, with a visual overlay highlighting the twilight switch functionality, indicating automatic power-on at low light conditions.

4.2 Remote Control Functions

The included remote control provides convenient access to various functions:

- **ON/OFF:** Manually turn the floodlight on or off.
- **Dimming:** Adjust the brightness level (stepless dimming).
- **Timer:** Set the floodlight to turn off after 3, 5, or 8 hours.
- **AUTO:** Activates the automatic twilight switch mode.
- **Music Mode:** (If applicable) Synchronizes light effects with music.

4.3 Smartphone App Control

For advanced control and smart features, download the dedicated HOFTRONIC app on your smartphone. The floodlight connects via Bluetooth.

1. Download the HOFTRONIC app from your device's app store.
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the app and follow the on-screen instructions to pair with your floodlight.

Once connected, the app allows for:

- Stepless dimming control.
- Setting custom timers.
- Accessing music mode and other smart lighting effects.
- Monitoring battery status (if supported by the app).



Image: A smartphone screen showing the HOFTRONIC app interface, demonstrating easy control of the smart floodlight, including options for music mode and scheduling.

4.4 Voice Control Integration

The floodlight supports voice control through Google Home, Amazon Alexa, and Siri. Refer to your smart home assistant's instructions for connecting third-party devices and enabling the HOFTRONIC skill/action.

5. Maintenance

- **Cleaning:** Periodically clean the solar panel and the floodlight's lens with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures optimal charging efficiency.
- **Inspection:** Regularly check the cable connection between the solar panel and the floodlight for any signs of wear or damage. Ensure all mounting screws remain tight.
- **Battery:** The integrated 5000mAh battery is designed for long-term use. No user maintenance is required for the battery.



Image: The HOFTRONIC floodlight and solar panel being subjected to water spray, illustrating their IP65 waterproof rating and suitability for outdoor use in various weather conditions.

6. Troubleshooting

Problem	Possible Cause	Solution
Floodlight does not turn on.	• Insufficient solar charge. • Solar panel is dirty or obstructed. • Twilight switch not activated (daytime). • Battery is completely drained. • Faulty connection.	• Ensure solar panel receives 6-8 hours of direct sunlight. • Clean the solar panel surface. • Check if it's dark enough for the twilight switch to activate. • Allow several days of full sunlight charging. • Verify the cable connection between the solar panel and floodlight.
Light output is dim or short-lived.	• Insufficient solar charge. • Battery degradation over time. • Operating in a high-power mode for too long.	• Relocate solar panel for better sun exposure. • Ensure solar panel is clean. • Consider using a lower brightness setting or shorter timer.
Remote control not working.	• Remote battery is dead. • Obstruction between remote and floodlight.	• Replace remote control battery. • Ensure clear line of sight to the floodlight's sensor.
Cannot connect via Bluetooth app.	• Bluetooth not enabled on phone. • Floodlight is out of range. • App issue.	• Enable Bluetooth on your smartphone. • Move closer to the floodlight. • Restart the app or your phone. Reinstall the app if necessary.

7. Specifications

Feature	Detail
Brand	HOFTRONIC
Model Number	5427336
Power Consumption	50 Watt
Luminous Flux	410 Lumen
Color Temperature	6500K (Daylight White)
CRI Value	70RA
Beam Angle	90 degrees
UGR Value	<15 (Low Glare)
Impact Protection	IK08
Ingress Protection (IP) Rating	IP65 (Waterproof and Dust-tight)
Battery Capacity	5000mAh
Charging Time	6-8 hours (direct sunlight)

Feature	Detail
Operating Time	Up to 12 hours (on full charge)
LED Lifespan	35,000 hours
Material	Aluminum (Fixture), Polycrystalline (Solar Panel)
Finish	Matte Black Powder Coating
Product Dimensions (Floodlight)	176.8 x 122 x 21.7 mm (approx.)
Weight	5 Grams (as per product data, may refer to a component)

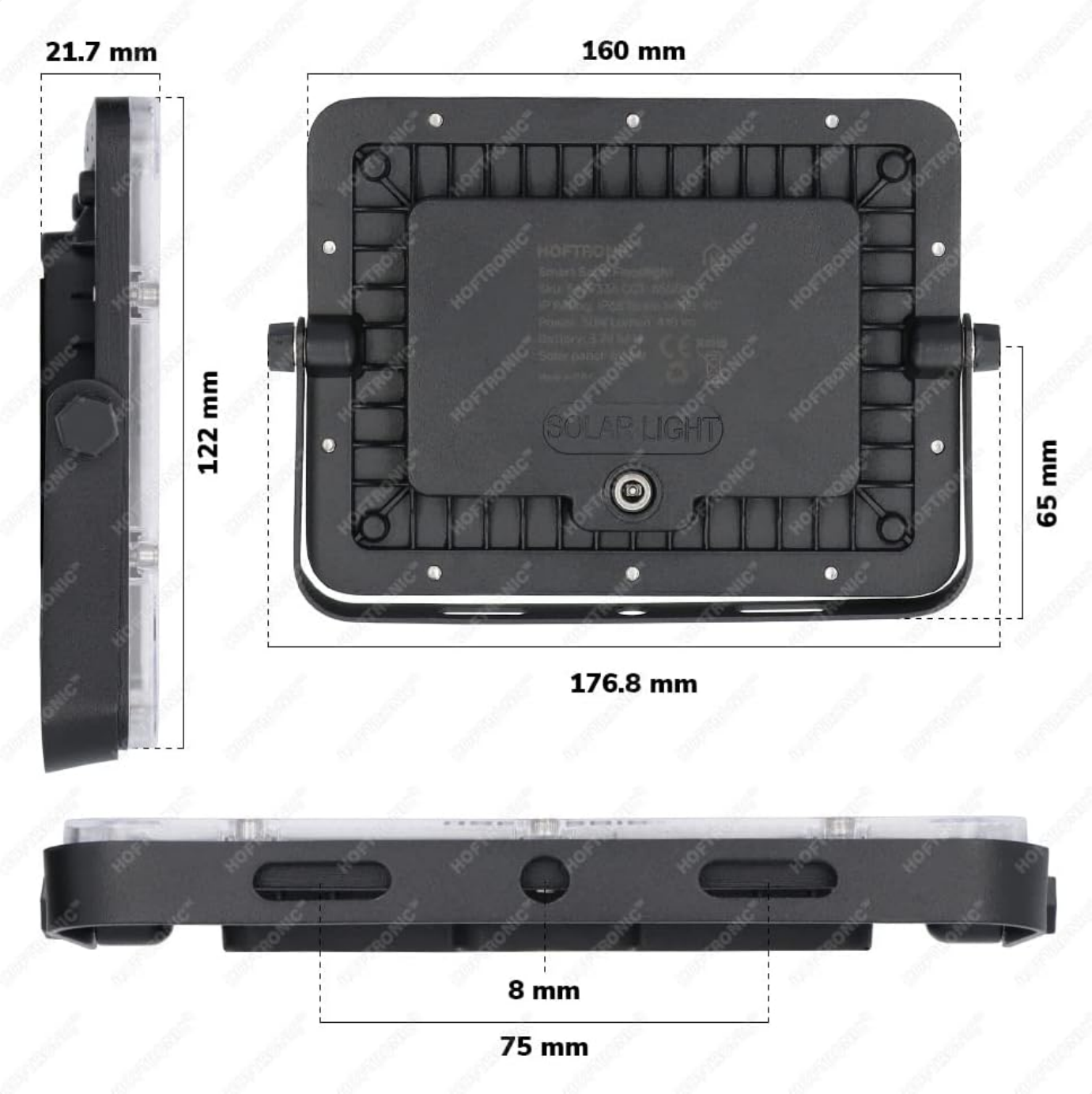


Image: Technical drawing showing the dimensions of the HOFTRONIC floodlight: 176.8 mm length, 122 mm width, and 21.7 mm thickness, with additional measurements for mounting points.

8. Warranty and Support

HOFTRONIC offers a **3-year warranty** on this Smart LED Solar Floodlight. This warranty covers defects in materials and workmanship under normal use. If you experience any issues with your product within this period, please contact HOFTRONIC customer support for assistance. Defective products will be replaced free of charge.
For support, please refer to the contact information provided on the HOFTRONIC official website or your purchase documentation.

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