

## Aigostar 8433325405823

# Aigostar 30W LED Floodlight with Motion Sensor User Manual

Model: 8433325405823

## 1. INTRODUCTION

Thank you for choosing the Aigostar 30W LED Floodlight with Motion Sensor. This manual provides essential information for the safe installation, operation, and maintenance of your new floodlight. Please read these instructions carefully before use and retain them for future reference. This product is designed for outdoor use, featuring IP65 waterproofing and a highly efficient LED chip for bright, energy-saving illumination.

## 2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with local wiring regulations. Ensure the power supply is disconnected before installation or maintenance.
- **Grounding:** The floodlight must be properly grounded to prevent electric shock.
- **Voltage:** Ensure the power supply voltage matches the requirements specified on the product label.
- **Heat:** Do not cover the floodlight with insulating material. Ensure adequate ventilation around the fixture to prevent overheating.
- **Light Source:** Do not stare directly into the LED light source when it is illuminated, as this may cause eye damage.
- **Damage:** If the cable or housing is damaged, do not use the product. Contact customer support for assistance.
- **Disposal:** Dispose of the product responsibly according to local regulations for electronic waste.

## 3. PRODUCT FEATURES

- **Motion Sensor with 3 Modes:** Features TIME, SENS, and LUX modes for customizable operation.
- **Adjustable Detection:** Infrared sensor allows sensitivity adjustment from 2 to 8 meters.
- **Adjustable Illumination Time:** Set the light-on duration from 10 seconds to 10 minutes.
- **High Brightness & Energy Efficiency:** 30W LED provides 2750 lumens, replacing a 275W incandescent bulb and saving over 85% energy.

- **Wide Beam Angle:** 120-degree beam for broad illumination.
- **Advanced Heat Dissipation:** Thick fin design on the back ensures efficient cooling and extends LED lifespan to over 25,000 hours.
- **IP65 Protection:** Die-cast aluminum alloy housing with tempered glass provides resistance against heat, corrosion, shock, rain, snow, and sand.
- **Versatile Installation:** Adjustable metal stand allows for ceiling, wall, or floor mounting.

## Die-casting Aluminium Material



Image 1: Die-cast aluminum construction with advanced heat sink fins for extended product lifespan.



Image 2: The floodlight's IP65 rating ensures protection against water, heat, and cold, making it suitable for various weather conditions.

## 4. PACKAGE CONTENTS

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The package includes:

- 2 x Aigostar 30W LED Floodlight with Motion Sensor
- Mounting accessories (screws, wall plugs)
- User Manual

## 5. SETUP AND INSTALLATION

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

### 5.1 Mounting Location

Choose a suitable outdoor location for the floodlight. The recommended mounting height for optimal motion detection is



between 2 to 2.5 meters. Ensure the sensor has a clear line of sight to the area you wish to cover.



Image 3: Recommended mounting height (2-2.5m) and detection range (2-8m) for effective motion sensing.

## 5.2 Installation Methods

The adjustable metal stand allows for three primary installation methods:

- **Wall Mounting:** Secure the stand to a vertical surface using the provided screws and wall plugs.
- **Floor Mounting:** Attach the stand to a horizontal surface, such as a patio or deck.
- **Ceiling Mounting:** Fasten the stand to an overhead surface, like an eave or porch ceiling.



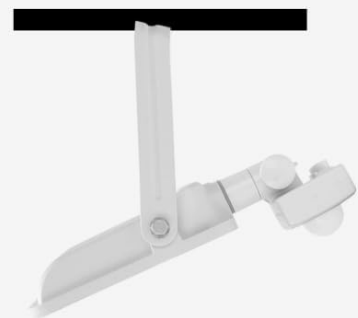
## Three Installation Methods



On The Wall



On The Floor



On The Ceiling

Image 4: Illustration of wall, floor, and ceiling installation options. The floodlight dimensions are 178mm height, 159mm width, and 56mm depth. The cable length is approximately 225mm.

### 5.3 Electrical Connection

The floodlight comes with a wired electric connection. Connect the wires to your main power supply according to the following color codes:

- **Brown wire:** Live (L)
- **Blue wire:** Neutral (N)
- **Yellow/Green wire:** Earth (Ground)

Ensure all connections are secure and properly insulated, especially for outdoor use. It is recommended to use a waterproof junction box for connections to maintain the IP65 rating of the overall installation.

## 6. OPERATING INSTRUCTIONS

The Aigostar LED Floodlight features a motion sensor with three adjustable settings: SENS, TIME, and LUX. These settings are controlled by rotary knobs located on the sensor unit.

## Sensor Setting



### SENS Setting:

The detect distance lowest 2m  
The detect distance highest 8m



### TIME Setting:

10 Seconds  $\pm$  5 Seconds  
Delay time Max 10 minutes  $\pm$  2 minutes



### LUX Setting:

Floodlights can work during the day or night  
It can work an ambient light of 3LUX -2000LUX

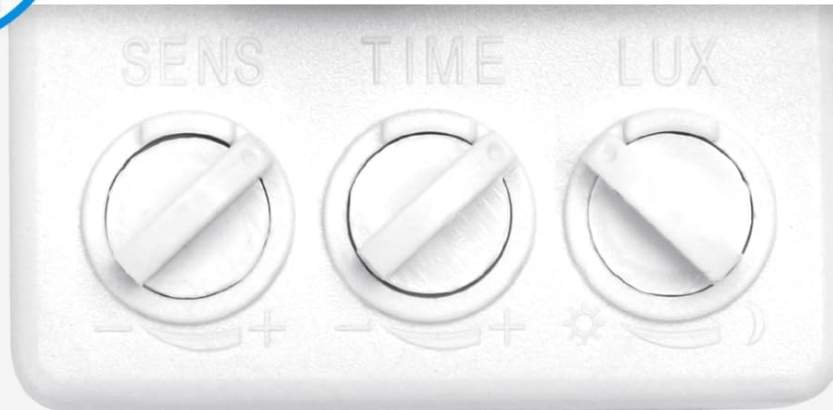


Image 5: Motion sensor settings for SENS (sensitivity), TIME (duration), and LUX (ambient light).

### 6.1 SENS Setting (Sensitivity)

This knob adjusts the detection distance of the motion sensor.

- Turn the knob towards the "-" symbol for the lowest detection distance (approximately 2 meters).
- Turn the knob towards the "+" symbol for the highest detection distance (approximately 8 meters).

### 6.2 TIME Setting (Illumination Duration)

This knob controls how long the light remains on after motion is detected.

- Minimum duration: Approximately 10 seconds ( $\pm$ 5 seconds).
- Maximum duration: Approximately 10 minutes ( $\pm$ 2 minutes).

### 6.3 LUX Setting (Ambient Light Threshold)

This knob determines the ambient light level at which the sensor will activate the floodlight.

- Turn the knob towards the **"Sun"** symbol: The floodlight will operate both during the day and night (activates at ambient light levels from 3 LUX to 2000 LUX).
- Turn the knob towards the **"Moon"** symbol: The floodlight will only operate at night or in low light conditions (activates at ambient light levels below approximately 3 LUX).

## 7. MAINTENANCE

- **Cleaning:** Ensure the power is off before cleaning. Wipe the floodlight and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the floodlight for any signs of damage to the housing, cable, or mounting bracket.
- **Sensor Clarity:** Keep the motion sensor lens clean and free from obstructions (e.g., dirt, leaves, spiderwebs) to ensure optimal performance.
- **No User-Serviceable Parts:** The LED light source is not replaceable. Do not attempt to open or repair the floodlight yourself.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. LUX setting is too low (set to "Moon" during daytime). Sensor is obstructed or faulty. Wiring error.	Check power connection and circuit breaker. Adjust LUX setting towards "Sun" for testing. Clear any obstructions from the sensor. Verify wiring connections (consult a qualified electrician if unsure).
Light stays on continuously.	Continuous motion detected. TIME setting is too long. Sensor is faulty.	Ensure no constant movement in the detection zone. Adjust TIME setting to a shorter duration. Test sensor by covering it and checking if light turns off.
Light turns on too frequently or for no apparent reason.	SENS setting is too high. Sensor detecting small animals, moving branches, or reflections. Sensor angle is too wide.	Reduce SENS setting. Adjust the sensor's angle to exclude unwanted detection areas. Relocate the floodlight if necessary.
Detection range is too short.	SENS setting is too low. Sensor is obstructed. Mounting height is too low.	Increase SENS setting. Clear any obstructions. Ensure mounting height is within 2-2.5 meters.

## 9. SPECIFICATIONS

Parameter	Value
Brand	Aigostar
Model Number	8433325405823
Wattage	30W
Luminous Flux	2750 lumens
Color Temperature	6500K (Cold White)
Beam Angle	120 degrees
Protection Rating	IP65 (Waterproof)
Lifespan	>25,000 hours
Motion Sensor Detection Range	2 - 8 meters (adjustable)
Motion Sensor Delay Time	10 seconds - 10 minutes (adjustable)
Ambient Light Threshold (LUX)	3 - 2000 LUX (adjustable)
Power Source	Wired Electric
Product Dimensions (L x W x H)	17.8 x 15.9 x 5.6 cm
Weight	920 g
Material	Die-cast Aluminum Alloy, Tempered Glass
Energy Efficiency Rating	F



Image 6: Energy Efficiency Label. For more details, visit the [EPREL database](#).

Aigostar products are designed and manufactured to the highest quality standards. For warranty information or technical support, please refer to the documentation provided with your purchase or visit the official Aigostar website.

**Manufacturer:** Aigostar

The Aigostar LED Floodlight is suitable for various outdoor lighting applications, including:

- Gardens and backyards
- Garages and carports
- Terraces and patios
- Driveways and pathways
- Building exteriors

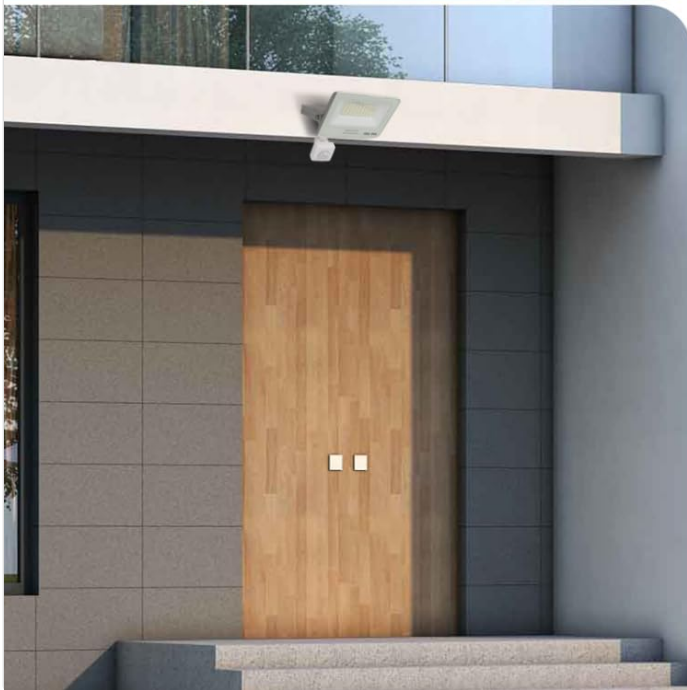


Image 7: Examples of the floodlight's application in various outdoor environments.

