

## Optonica FL5848

# OPTONICA FL5848 LED Floodlight with Motion Sensor User Manual

Model: FL5848 | Brand: Optonica

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your OPTONICA FL5848 LED Floodlight with integrated motion sensor. This slim 30W LED floodlight ensures reliable and uniform illumination. Its aluminum body is corrosion-resistant and designed to withstand adverse weather conditions. With an IP65 protection rating, the LED floodlight is suitable for outdoor and humid environments.

## SAFETY INSTRUCTIONS

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

- Ensure the power supply is disconnected before installation or maintenance.
- Installation should be performed by a qualified electrician.
- Do not look directly into the LED light source when it is illuminated.
- Do not modify the product in any way.
- Keep away from flammable materials.

## PACKAGE CONTENTS

Verify that all components are present in the package:

- OPTONICA FL5848 LED Floodlight (non-replaceable bulb)
- Mounting Bracket
- Instruction Manual (this document)

## SETUP AND INSTALLATION

Follow these steps for proper installation of your LED floodlight:

1. **Choose a Location:** Select a suitable outdoor location for mounting. The recommended mounting height is 1.8 to 2.5 meters for optimal motion sensor performance. Ensure the area is clear of obstructions that might block the sensor's field of view.
2. **Power Disconnection:** Before starting any electrical work, ensure the main power supply to the installation area is turned off at the circuit breaker.
3. **Mounting the Bracket:** Use appropriate screws and wall plugs (not included) to securely fasten the mounting bracket to the desired surface. The bracket allows for angle adjustment.
4. **Wiring Connection:** Connect the floodlight's power cable (approx. 25 cm) to your main electrical supply. Ensure correct polarity (Live, Neutral, Earth). All connections must be secure and insulated. This product operates on 170-265V, 50-60Hz.
5. **Attach the Floodlight:** Secure the floodlight to the mounted bracket using the provided hardware. Adjust the angle of the floodlight to illuminate the desired area.
6. **Power Restoration:** Once installation is complete and all connections are secure, restore power to the circuit.



*Image: Rear view of the floodlight, illustrating the heat sink fins and the sturdy mounting bracket. The cable entry point is visible, emphasizing the need for secure wiring.*

## OPERATING INSTRUCTIONS

The OPTONICA FL5848 features an integrated motion sensor with adjustable settings. The sensor has a detection angle of 120° and a detection range of 5-15 meters.

### Motion Sensor Settings:

The motion sensor unit has three adjustable knobs:



*Image: Detailed view of the motion sensor's adjustment knobs. From left to right, these are typically for TIME, SENS (Sensitivity), and LUX (Light Level).*

- **TIME (Delay Time):** This knob controls how long the light stays on after motion is detected and no further motion is sensed. Adjustable from 12 seconds to 6 minutes. Turn clockwise to increase the duration.
- **SENS (Sensitivity):** This knob adjusts the detection range of the motion sensor, from 5 to 15 meters. Turn clockwise to increase sensitivity and detection range.
- **LUX (Light Level):** This knob determines the ambient light level at which the sensor will activate the floodlight.
  - Turn towards the "sun" symbol (max LUX, 2000 Lux) for the light to activate during both day and night.
  - Turn towards the "moon" symbol (min LUX, 3 Lux) for the light to activate only in low light conditions or darkness.

**Testing the Sensor:** After installation, set the TIME to minimum and LUX to maximum (sun symbol). The light should turn on when motion is detected. Once satisfied with the detection, adjust TIME and LUX to your desired operational settings.

## MAINTENANCE

The OPTONICA FL5848 LED Floodlight is designed for minimal maintenance. However, regular cleaning can help maintain optimal performance and appearance.

- **Cleaning:** Periodically clean the floodlight's surface and the motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or sensor.
- **Inspection:** Occasionally check the mounting bracket and wiring connections for any signs of wear, corrosion, or loosening. Ensure the floodlight is securely fastened.
- **LED Lifespan:** The LED light source is designed for a long lifespan (average 25,000 hours) and is not replaceable. If the LEDs fail, the entire unit should be replaced.

For information on recycling and cleaning broken lamps, please refer to relevant local guidelines or visit the provided links:

- [Recycling Information for Light Bulbs](#)
- [Information on Broken Light Bulbs and Cleaning](#)

## TROUBLESHOOTING

If you encounter issues with your OPTONICA FL5848 LED Floodlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. LUX setting too low (daylight). Sensor not detecting motion.	Check power connection and circuit breaker. Adjust LUX knob towards "sun" symbol. Check SENS setting and ensure no obstructions.
Light stays on continuously.	Constant motion in detection area. TIME setting too long. Sensor malfunction.	Clear detection area. Adjust TIME knob to a shorter duration. Contact customer support if problem persists.
Light flickers or is dim.	Unstable power supply. Damaged wiring.	Consult a qualified electrician to check power supply. Inspect wiring for damage (with power off).
Sensor not detecting motion effectively.	SENS setting too low. Mounting height incorrect. Obstructions in detection path.	Adjust SENS knob to increase sensitivity. Ensure mounting height is 1.8-2.5m. Remove any objects blocking the sensor's view.

## SPECIFICATIONS

Detailed technical specifications for the OPTONICA FL5848 LED Floodlight:

- **Model:** FL5848
- **Brand:** Optonica
- **Power:** 30 W
- **Operating Voltage:** 170-265 V, 50-60 Hz
- **Light Color Temperature:** 4500 K (Neutral White)
- **Luminous Flux:** 2250 lm
- **Luminous Efficacy:** 85 lm/W
- **Color Rendering Index (CRI):** > 70 Ra
- **Beam Angle:** 100°
- **Motion Detector:** Yes
- **Detection Angle:** 120°
- **Detection Range:** 5-15 m (adjustable)
- **Delay Time (TIME):** 12 sec - 6 min (adjustable)

- **Light Value (LUX):** 3-2000 Lux (adjustable)
- **Mounting Height:** 1.8-2.5 m
- **Dimmable:** No
- **Switching Cycles:** 100,000
- **Average Lifespan:** 25,000 hours
- **Power Factor:** > 0.9
- **Protection Type:** IP65
- **Start-up Time:** <1 s
- **Mercury Content:** 0.0 mg
- **Temperature Range:** -30°C to +50°C
- **Connection Cable Length:** Approx. 25 cm
- **Material:** Aluminum
- **Color:** White
- **Dimensions (L x H x D):** 180 x 145 x 32 mm
- **Energy Efficiency Class:** A+
- **Weighted Energy Consumption:** 30 kWh/1000 h



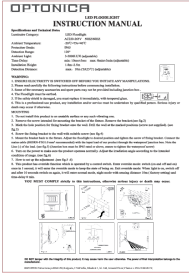



*Image: The Optonica FL5848 LED Floodlight, showcasing its compact design and integrated motion sensor unit at the bottom.*

## WARRANTY AND SUPPORT

OPTONICA products are manufactured to high-quality standards. For warranty information and customer support, please refer to the retailer or manufacturer's official website where you purchased the product. Keep your proof of purchase for warranty claims.

For further assistance or technical inquiries, please contact Optonica customer service.

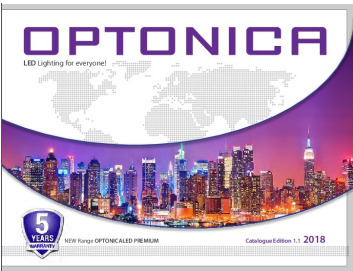
Related Documents

	<p><a href="#">Optonica LED Floodlight Instruction Manual - Installation and Operation Guide</a></p> <p>This instruction manual provides detailed guidance for the Optonica LED Floodlight. It includes technical specifications, critical safety warnings, step-by-step mounting instructions, and information on the override function. Essential for safe and correct installation and operation by qualified personnel.</p>
	<p><a href="#">Optonica 50W LED Floodlight Black IP66 IK08 - Technical Specifications</a></p> <p>Detailed specifications and features for the Optonica 50W LED Floodlight (FL50-A7). Learn about its IP66/IK08 rating, 120° beam angle, 5000 Lm flux, CCT adjustability (3000K-6000K), and energy efficiency.</p>
	<p><a href="#">Optonica Running Water Strip User Manual - Installation and Connection Guide</a></p> <p>User manual for the Optonica Running Water Strip LED lights. Provides essential information on checking the luminaire, choosing the correct power supply, and detailed instructions for connecting single and multiple LED strips for dynamic lighting effects.</p>
	<p><a href="#">Optonica Outdoor LED Street Light Installation and Safety Guide</a></p> <p>Comprehensive guide for installing and safely operating the Optonica Outdoor LED Street Light. Includes diagrams, safety precautions, fixing instructions, and disposal information.</p>

Documents - Optonica – FL5848



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CONTENTS LED SPOTLIGHTS ..... e

Light 6000K Neutral White 4500K Warm White 2700K 30W 2550 50W 4500

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