

## Ledvion LV50013

# Ledvion 200W Osram LED Floodlight Instruction Manual

Model: LV50013

## 1. INTRODUCTION

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Thank you for choosing the Ledvion 200W Osram LED Floodlight. This professional-grade floodlight is designed for high-performance work lighting and outdoor applications, offering exceptional brightness and durability. This manual provides essential information for the safe installation, operation, and maintenance of your floodlight. Please read it thoroughly before installation and retain it for future reference.

## 2. SAFETY INSTRUCTIONS

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To ensure safe operation and prevent damage, please observe the following safety precautions:

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with all local and national electrical codes. Ensure the power supply is disconnected before any installation, maintenance, or repair work.
- **Grounding:** The floodlight must be properly grounded to prevent electric shock.
- **Voltage:** Verify that the supply voltage matches the requirements specified on the product label.
- **Temperature:** Do not operate the floodlight outside its specified operating temperature range of -20°C to 50°C.
- **Impact Protection:** The floodlight features IK07 impact protection, indicating resistance to certain impacts. However, avoid excessive force or dropping the unit.
- **Water and Dust Resistance:** The IP65 rating ensures protection against dust ingress and low-pressure water jets. Do not submerge the unit in water.
- **Light Source:** Do not stare directly into the operating LED light source, as it can cause eye strain or damage.
- **Modifications:** Do not attempt to modify or disassemble the floodlight. This will void the warranty and may create safety hazards.

### 3. PRODUCT OVERVIEW

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The Ledvion 200W Osram LED Floodlight is a high-quality lighting solution built for demanding environments. Key features include:

- **High Efficiency:** Equipped with genuine Osram LED chips, providing 17000 lumens of neutral white light (4000K).
- **Durable Construction:** Features a powder-coated aluminum housing for corrosion resistance and tempered safety glass (IK07) for impact protection.
- **Weatherproof:** IP65 rated for dust and jet water resistance, suitable for both indoor and outdoor use.
- **Thermal Management:** Designed with efficient heat dissipation on the back to ensure optimal performance and longevity of the LED chips.
- **Easy Installation:** Includes a movable bracket for flexible mounting and an IP68 quick connector for secure wiring.
- **Long Lifespan:** Offers a lifespan of over 60,000 burning hours.



Figure 3.1: Front view of the Ledvion 200W Osram LED Floodlight.



# HIGH QUALITY FLOODLIGHT

Strong quality aluminium base with 200W and high lumen output of 24000 lumen

NEUTRAL WHITE LIGHT

4000K



Ledvion

Figure 3.2: Close-up view highlighting the Osram LED chips and thermal dissipation design.



Figure 3.3: Example of the Ledvion floodlight installed for outdoor illumination.

## 4. SPECIFICATIONS

Feature	Detail
Model Number	LV50013
Manufacturer	Ledvion
Wattage	200W
Light Source	Osram LED
Lumen Output	17000 Lumen
Color Temperature	4000K (Neutral White)
Product Dimensions	382 x 34 x 88 cm
Item Weight	4.34 kg (4340 Grams)

Feature	Detail
Material	Aluminum (Housing), Tempered Safety Glass
Finish Type	Powder Coated
IP Rating	IP65 (Dust and Jet Water Resistant)
Impact Resistance	IK07
Operating Temperature	-20°C to 50°C
Lifespan	>60,000 Burning Hours
Power Factor	>0.99
Quick Connector	IP68, suitable for cables up to 1.5mm <sup>2</sup>

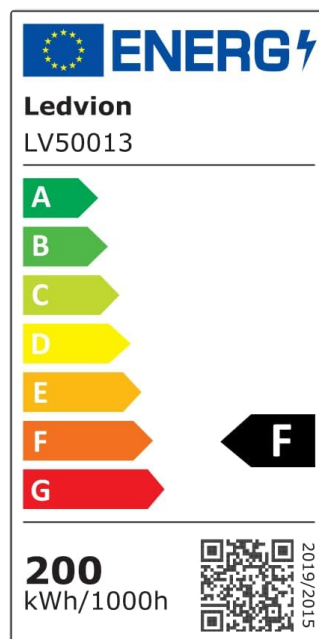


Figure 4.1: Energy efficiency label for Ledvion LV50013. For more details, refer to the [EPREL database](#).

## 5. SETUP AND INSTALLATION

Before proceeding with installation, ensure the power supply is disconnected at the main circuit breaker.

### 5.1 Mounting

- Choose Location:** Select a suitable mounting location on a wall or other stable surface. The movable bracket allows for flexible positioning.
- Mark Drilling Points:** Use the floodlight's mounting bracket as a template to mark the drilling points on the surface. Refer to the dimensions provided in Figure 5.1.
- Drill Holes:** Drill appropriate holes for your mounting hardware (screws, anchors, etc., not included).
- Secure Floodlight:** Attach the floodlight securely to the mounting surface using suitable fasteners. Ensure the bracket is firmly fixed to prevent movement.
- Adjust Angle:** Once mounted, adjust the floodlight to the desired illumination angle using the movable bracket.



Figure 5.1: Side view of the floodlight with mounting bracket dimensions (e.g., 88mm depth, 180mm mounting hole spacing).



Figure 5.2: Front view of the floodlight with overall dimensions (e.g., 382mm width, 340mm height).

## 5.2 Electrical Connection

The floodlight comes with an IP68 quick connector for simplified and secure wiring.

1. **Prepare Cable:** Strip the outer insulation of your power cable (suitable for up to 1.5mm<sup>2</sup> wires) to expose the individual wires (Live, Neutral, Ground).
2. **Connect Wires:** Open the quick connector and insert the prepared wires into the corresponding terminals. Ensure a secure connection for each wire.
3. **Seal Connector:** Close and tighten the quick connector to ensure a waterproof (IP68) seal.
4. **Connect to Power:** Connect the other end of your power cable to a suitable, switched power supply, ensuring proper grounding.



# EASY CONNECT INCLUDED

Instant waterproof IP68 connection with the quick connector for an extra long life



Figure 5.3: The included IP68 quick connector for secure and waterproof electrical connections.

## 6. OPERATING INSTRUCTIONS

Once properly installed and connected to a power source, the Ledvion 200W Osram LED Floodlight operates by simply switching on the connected power supply. There are no additional controls on the unit itself.

- **Power On:** Activate the switch connected to the floodlight's power supply. The floodlight will illuminate instantly.
- **Power Off:** Deactivate the switch connected to the floodlight's power supply to turn off the light.

The floodlight is designed for continuous operation within its specified temperature range and is suitable for various applications such as illuminating shop windows, exhibition rooms, buildings, property, and general outdoor areas.

## 7. MAINTENANCE

The Ledvion 200W Osram LED Floodlight requires minimal maintenance due to its robust design and high-quality components.

- **Cleaning:** Periodically clean the tempered safety glass and aluminum housing with a soft, damp cloth to remove dust and dirt. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **Inspection:** Regularly inspect the floodlight for any signs of damage, such as cracked housing, frayed cables, or loose mounting. If any damage is found, disconnect power immediately and consult a qualified technician.
- **Heat Dissipation:** Ensure that the back of the floodlight, designed for heat dissipation, is not obstructed by debris or insulation, as this can affect performance and lifespan.

## 8. TROUBLESHOOTING

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If you encounter issues with your Ledvion floodlight, consider the following basic troubleshooting steps:

- **Light Does Not Turn On:**
  - Check if the power supply is connected and switched on.
  - Verify that the circuit breaker has not tripped.
  - Inspect the wiring connections at the quick connector and power source for any looseness or damage (ensure power is off before inspection).
- **Light Flickers:**
  - Ensure all electrical connections are secure.
  - Check for stable power supply.
- **Reduced Brightness:**
  - Clean the glass surface of the floodlight to remove any accumulated dirt or debris.

If these steps do not resolve the issue, do not attempt further repairs. Contact a qualified electrician or Ledvion customer support for assistance.

## 9. WARRANTY AND SUPPORT

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The Ledvion 200W Osram LED Floodlight comes with a **5-year guarantee**, reflecting our commitment to quality and durability. This warranty covers defects in materials and workmanship under normal use.



# 5 JAHRE GARANTIE

Dieses LED-Flutlicht hat eine lange Lebensdauer von mehr als 60.000 Brennstunden und eine 5-jährige Garantie

STARKE AUFSCHLAGFESTIGKEIT  
UND BIEGESTABILITÄT



IK07 BEWERTUNG



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Figure 9.1: Image indicating the 5-year guarantee and IK07 impact resistance rating.

For warranty claims, technical support, or any questions regarding your Ledvion product, please contact your retailer or the manufacturer, Ledvion, directly. Please have your model number (LV50013) and proof of purchase available when contacting support.