

Ledvion LV50013_1

Ledvion LED Floodlight 200W (Model LV50013_1) Instruction Manual

Professional LED Floodlight with 4000K, 24000 Lumens, IP65 Rating

1. INTRODUCTION

Thank you for choosing the Ledvion LED Floodlight 200W. 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 professional LED floodlight is designed for robust performance, featuring IK07 tempered safety glass and a powder-coated aluminum housing for enhanced durability and corrosion protection. It is suitable for a wide range of applications, operating reliably in temperatures from -20 to 50 degrees Celsius.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with local wiring regulations and standards. Ensure the power supply is disconnected before installation or maintenance.
- **Grounding:** The floodlight must be properly grounded to prevent electric shock.
- **Voltage:** Ensure the supply voltage matches the floodlight's rated voltage (230 Volts).
- **Temperature:** Do not operate the floodlight outside its specified operating temperature range (-20°C to 50°C).
- **Handling:** Avoid direct eye exposure to the light source when the floodlight is operating, as it emits high intensity light.
- **Damage:** Do not use the floodlight if the cable or housing is damaged. Contact Ledvion support for assistance.
- **Modifications:** Do not attempt to modify or repair the floodlight yourself. Unauthorized modifications will void the warranty and may pose safety risks.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking. If any items are missing or damaged, please contact your retailer.

- 1x Ledvion LED Floodlight 200W (Model LV50013_1)
- 1x Instruction Manual



HIGH QUALITY FLOODLIGHT

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

4000K NEUTRAL WHITE LIGHT

SLIM DESIGN



Image 3.1: Illustration of package contents, including the floodlight and manual.

4. SETUP AND INSTALLATION

The Ledvion LED Floodlight is designed for easy installation with its mobile mounting bracket. Follow these steps for secure setup.

4.1 Mounting the Floodlight

1. **Choose Location:** Select a suitable mounting location, such as a wall, ensuring it can support the weight of the floodlight (2.25 kg). Consider the desired illumination area.
2. **Mark Drilling Points:** Use the floodlight's mounting bracket as a template to mark the drilling points on the surface. The bracket has holes spaced 180mm apart, with a diameter of 12.5mm.
3. **Drill Holes:** Drill appropriate holes for your chosen mounting hardware (screws, anchors, not included).
4. **Secure Bracket:** Attach the mounting bracket securely to the surface.
5. **Adjust Angle:** Once mounted, the floodlight's angle can be adjusted using the mobile bracket to

direct light as needed.



Image 4.1: Top view dimensions of the floodlight (approx. 397.4 mm width).



Image 4.2: Side view dimensions (31.5 mm depth) and cable length (0.5M).

4.2 Electrical Connection

The floodlight comes with a 0.5M cable and includes a quick connection feature. Ensure the power is OFF before making any electrical connections.

- Connect the floodlight's cable to your main power supply using appropriate wiring connectors.
- Ensure all connections are secure and properly insulated to maintain the IP65 rating.
- The floodlight requires a 230V power supply.

4.3 Optional Motion Sensor

This floodlight can be integrated with an optional motion sensor (sold separately) to enhance its functionality as a security device or for automated lighting.



Image 4.3: The floodlight can be connected to an optional motion sensor (sensor not included).

5. OPERATING INSTRUCTIONS

Once installed and connected to the power supply, the Ledvion LED Floodlight is ready for operation.

- **Power On/Off:** Control the floodlight using an external switch connected to its power supply.
- **Light Output:** The floodlight provides 24000 lumens of 4000K neutral white light, suitable for various applications including work lighting, outdoor area illumination, and security lighting.
- **Adjusting Angle:** The mobile bracket allows for easy adjustment of the light beam direction after installation.



Image 5.1: The floodlight providing bright illumination in an outdoor setting.

6. MAINTENANCE

The Ledvion LED Floodlight is designed for minimal maintenance. Regular cleaning and inspection will ensure optimal performance and longevity.

- **Cleaning:** Disconnect power before cleaning. Use a soft, damp cloth to wipe the exterior. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the mounting bracket and electrical connections for any signs of wear, damage, or loosening.
- **Heat Dissipation:** The floodlight features a heat dissipation device on the back. Ensure it remains clear of obstructions to prevent overheating.



WATER & DUST RESISTANT

This means that it is dust and jet-proof. This makes it suitable for both indoor and outdoor usage



Image 6.1: Internal view highlighting the Osram LED chips and the heat dissipation system.

7. TROUBLESHOOTING

If you encounter issues with your Ledvion LED Floodlight, refer to the following common troubleshooting steps:

- **No Light:**
 - Check if the power supply is connected and switched on.
 - Verify all electrical connections are secure.
 - Ensure the circuit breaker has not tripped.
- **Flickering Light:**
 - Check for loose wiring connections.
 - Ensure the voltage supply is stable and within the specified range.
- **Reduced Brightness:**

- Clean the floodlight's glass surface if it is dirty.
- Ensure proper ventilation around the heatsink.

If the problem persists after performing these checks, please contact Ledvion customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	Ledvion
Model Number	LV50013_1
Power	200 Watts
Voltage	230 Volts
Luminous Flux	24000 Lumens
Color Temperature	4000 Kelvin (Neutral White)
Ingress Protection (IP) Rating	IP65 (Dust and jet-proof)
Impact Protection (IK) Rating	IK07 (Tempered safety glass)
Material	Aluminum (Powder-coated finish)
Dimensions (L x W x H)	41 x 5 x 30 cm
Weight	2.25 Kilograms
Cable Length	0.5 Meters
Operating Temperature	-20°C to 50°C
Light Source Type	LED (Osram LED chips)
Mounting Type	Mobile Mounting Bracket
Energy Efficiency Class	E

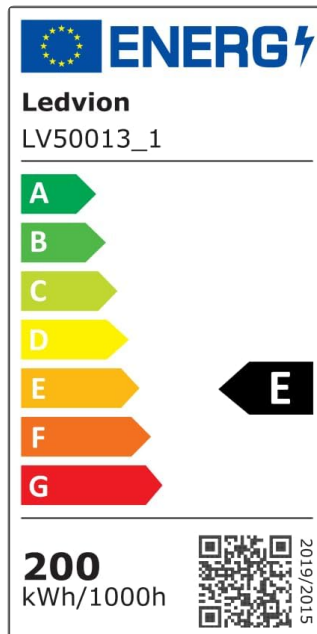


Image 8.1: Energy efficiency label for the Ledvion LED Floodlight.

For detailed product information and the EU energy label, scan the QR code on the product packaging or visit the [EPREL database](#).

9. WARRANTY AND SUPPORT

Ledvion products are manufactured with high-quality materials and undergo strict quality control. For warranty information and customer support, please refer to the documentation included with your product or visit the official Ledvion website.

If you require technical assistance or have questions regarding your Ledvion LED Floodlight, please contact your retailer or Ledvion customer service directly.

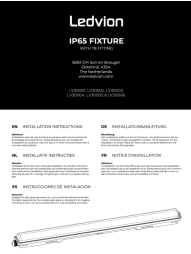

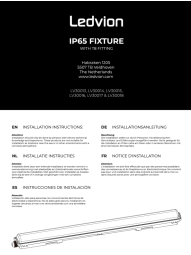

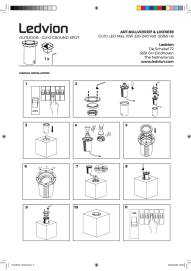
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Related Documents - LV50013_1



[Ledvion LVS10010/LVS10011 Outdoor Solar LED Lamp Manual and Specifications](#)

User manual and technical specifications for the Ledvion LVS10010 and LVS10011 outdoor solar LED lamps, featuring motion sensor, IP65 rating, and 3000K warm white light.

	<p>Ledvion IP65 Fixture with T8 Fitting Installation Guide and Technical Data</p> <p>Comprehensive installation instructions, technical specifications, safety guidelines, and compliance information for the Ledvion IP65 Fixture with T8 Fitting, covering models LV30001 through LV30006.</p>
	<p>Ledvion LVS10013 Solar LED Wall Light with Sensor - User Manual</p> <p>Detailed specifications, installation guide, working modes, and features of the Ledvion LVS10013 Ultra-Bright Solar LED Wall Light with PIR sensor. Includes information on battery replacement and safety warnings.</p>
	<p>Ledvion IP65 Fixture with T8 Fitting: Installation Guide and Technical Specifications</p> <p>Detailed installation instructions and technical data for the Ledvion IP65 rated fixture with T8 fitting. Covers model numbers LV30013-LV30018, voltage, frequency, protection, dimensions, and step-by-step mounting procedures. Includes safety warnings and compliance information.</p>
	<p>Ledvion Outdoor Sockets Installation and User Manual</p> <p>This document provides installation, usage, safety, and disposal instructions for Ledvion Outdoor Sockets. It includes detailed steps for mounting, wiring, and operating the product, along with important warnings and maintenance guidelines.</p>
	<p>Ledvion GU10 Ground Spot Installation Manual</p> <p>Installation instructions and safety information for the Ledvion GU10 Ground Spot (ART.NO.LVO10137 & LVO10139). Includes details on electrical safety, maintenance, and disposal.</p>