

[Manuals.plus](#) /

› [Ledvion](#) /

› Ledvion LED Floodlight 100W 6000K (Model LV50010_1) Instruction Manual

Ledvion LV50010_1

Ledvion LED Floodlight 100W 6000K Instruction Manual

MODEL: LV50010_1

1. Safety Information

Please read these instructions carefully before installation and use. Keep this manual for future reference.

- **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.
- **Operating Environment:** This floodlight is designed for outdoor use with an IP65 rating, making it dust and jet-proof. It operates reliably in temperatures ranging from -20°C to 50°C.
- **Heat Dissipation:** The floodlight features a robust heatsink to prevent LED chips from overheating during prolonged use. Do not obstruct the heatsink.
- **Damage:** Do not use the product if the cable or housing is damaged.

2. Product Overview

The Ledvion 100W LED Floodlight provides powerful and efficient illumination for various outdoor applications. Its durable construction and high lumen output make it suitable for work lighting, building illumination, and general outdoor use.



Image 2.1: Ledvion 100W LED Floodlight, front view.

Key Features:

- **High Lumen Output:** 12000 Lumen for bright illumination.
- **Color Temperature:** 6000K (Cool White) for clear, bright light.
- **Durable Construction:** Powder-coated aluminum surface for corrosion protection.
- **Weather Resistant:** IP65 rated for dust and jet-proof performance.
- **Efficient Cooling:** Integrated heatsink for optimal LED chip performance and longevity.
- **Easy Installation:** Features a movable bracket for flexible mounting.



HIGH QUALITY FLOODLIGHT

Strong quality aluminium base with 100W and high lumen output of 12000 lumen



6500K DAYLIGHT



SLIM DESIGN



Ledvion

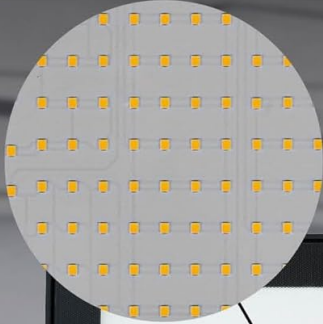
Image 2.2: Features of the Ledvion Floodlight, highlighting slim design and high lumen output.



POWER
FACTOR

OSRAM LED CHIPS INSIDE

The back of this LED floodlight is equipped with a durable heatsink. This ensures that the Osram LED chips cannot overheat during prolonged use



LONG LIFESPAN



HIGH PERFORMANCE
OSRAM LED CHIPS



Ledvion

Image 2.3: Illustration of the LED chips and heatsink for efficient heat dissipation.



IP65
RATING

WATER & DUST RESISTANT

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



IP65 RATING

ANTI -DUST &
ANTI MOISTURE

Ledvion

Image 2.4: The floodlight's IP65 rating, indicating resistance to water jets and dust.

3. Setup

3.1 Mounting the Floodlight

The floodlight comes with a movable bracket for easy installation. It can be securely mounted to a wall or other suitable surface.

1. Choose a suitable mounting location that can support the weight of the floodlight and provides the desired illumination angle.
2. Use the bracket as a template to mark the drilling points on the mounting surface.
3. Drill holes and insert appropriate wall plugs (not included, select based on wall material).
4. Attach the bracket to the surface using screws, ensuring it is firmly secured.
5. Mount the floodlight onto the bracket and adjust the angle as needed. Tighten the screws to fix the desired position.



Image 3.1: Example of the floodlight installed on a garage wall.



Image 3.2: Dimensions of the mounting bracket and the 0.5m cable length.

3.2 Electrical Connection

The floodlight is supplied with a 0.5-meter cable and may include a quick connector for simplified wiring. Ensure the power supply is off before making any connections.

1. Connect the floodlight's cable to your main power supply (230V AC).
2. Ensure correct polarity: Brown wire for Live (L), Blue wire for Neutral (N), and Yellow/Green wire for Earth (PE).
3. If a quick connector is provided, follow its specific instructions for secure and waterproof connection. If not, use appropriate waterproof junction boxes and connectors for outdoor wiring.
4. Verify all connections are secure and properly insulated to prevent short circuits or electrical hazards.

3.3 Optional Motion Sensor

An optional motion sensor (sold separately) can be connected to the floodlight to enable automatic activation upon detecting movement.



PIR
SENSOR

OPTIONAL MOTION SENSOR

Turn the floodlight into a security device by connecting the optional motion sensor to the LED floodlight



Image 3.3: The floodlight shown with an optional motion sensor attached.

Refer to the motion sensor's instruction manual for specific wiring and configuration details.

4. Operating

Once properly installed and connected to the power supply, the Ledvion LED Floodlight operates by simply switching on the connected power circuit. The floodlight will provide instant, full brightness.

- **Power On/Off:** Control the floodlight using the wall switch or circuit breaker connected to its power supply.
- **Light Output:** The 100W floodlight emits 12000 lumens of 6000K cool white light.

5. Maintenance

The Ledvion LED Floodlight is designed for minimal maintenance due to its durable construction and long-life LED components.

- **Cleaning:** Periodically clean the floodlight's surface and lens with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **Inspection:** Regularly inspect the cable and housing for any signs of damage. If damage is found,

disconnect power immediately and have it inspected by a qualified professional.

- **Lifespan:** The LED chips have an expected lifespan of over 60,000 operating hours.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Floodlight does not turn on.	No power supply. Loose wiring connection. Faulty switch/circuit breaker.	Check if the power supply is active. Verify all electrical connections are secure (ensure power is off first). Test the switch or circuit breaker.
Light is dim or flickers.	Insufficient power. Loose connection. Extreme temperature.	Ensure stable 230V power supply. Check wiring connections. Verify operating within -20°C to 50°C range.
Floodlight turns on/off unexpectedly (if motion sensor is installed).	Motion sensor sensitivity too high. Environmental interference.	Adjust motion sensor settings (refer to sensor manual). Check for moving objects or heat sources in sensor's detection zone.

If the problem persists after attempting these solutions, please contact Ledvion customer support.

7. Specifications

Technical specifications for the Ledvion 100W LED Floodlight (Model LV50010_1):

Parameter	Value
Brand	Ledvion
Model Number	LV50010_1
ASIN	B0CP65PPLD
Power Consumption	100 Watt
Luminous Flux	12000 Lumen
Color Temperature	6000 Kelvin (Cool White)
Voltage	230 Volt
Power Source	AC-adapter
Light Source Type	Light-emitting diode (LED)
Material	Aluminium
Finish Type	Powder-coated

Parameter	Value
IP Rating	IP65 (Dust and Jet-proof)
Product Dimensions (L x W x H)	28L x 24W x 5H cm
Item Weight	1140 Grams (1.14 kg)
Special Features	Shock-resistant, corrosion-resistant
Cable Length	0.5 meters



Image 7.1: Detailed dimensions of the Ledvion LED Floodlight.

8. Warranty

This Ledvion LED Floodlight comes with a **5-year warranty** from the date of purchase. This warranty covers manufacturing defects and material faults under normal use conditions.

The warranty does not cover damage caused by improper installation, misuse, accidents, unauthorized modifications, or normal wear and tear. Please retain your proof of purchase for warranty claims.

9. Support

For technical assistance, warranty claims, or any questions regarding your Ledvion LED Floodlight, please contact Ledvion customer support.

You can find contact information on the official Ledvion website or through your retailer.