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Ledvion LV50019_1

Ledvion LED Floodlight with Motion Sensor, 50W, 4000K

Model: LV50019_1

1. Introduction

Thank you for choosing the Ledvion LED Floodlight with Motion Sensor. This professional-grade floodlight is designed for efficient and reliable outdoor lighting. It features a robust construction and advanced LED technology to provide bright, neutral white light (4000K) with a high lumen output of 6000 lumens.
The floodlight's aluminum surface is powder-coated for enhanced corrosion protection, ensuring durability in various environmental conditions. It is engineered to operate effectively in extreme temperatures ranging from -20 to 50 degrees Celsius.
This product is equipped with a motion sensor for automated lighting and an IP68 quick connector for a watertight electrical connection. The integrated thermal heatsink prevents the OSRAM LED chips from overheating, contributing to an extended lifespan of over 60,000 hours.

2. Safety Information

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

- Use this device only for its intended purpose as an outdoor LED floodlight with a motion sensor.
- Do not use the device if it is damaged or defective. If the product is not working properly, it may be damaged and must be shut down immediately. Replacement is required in such cases.
- Before replacing or performing any maintenance, turn off the power supply and allow the device to cool down to avoid electrical shock or burns.
- This product must only be used in combination with its original driver.
- The product should only be opened by an authorized technician. Never attempt repairs yourself.
- To disconnect voltage, always pull the plug from the power source.
- Any changes and/or modifications to the product will void the warranty. The manufacturer cannot accept liability for damage caused by incorrect use of the product.
- Technical specifications are subject to change without prior notice.

Disposal Information

This product is made of high-quality materials and parts that can be recycled. The crossed-out wheeled bin symbol on the product indicates that it is covered by EU Directive 2002/96/EC. Do not dispose of old appliances with your regular household waste. Electrical and electronic products should be collected separately in your region. Please use existing

collection points or municipal collection points for proper disposal. Correct disposal of old products helps prevent potential negative consequences for the environment and human health.



Image: Back of product packaging showing safety symbols, disposal information, and manufacturer details. A QR code for documentation is visible.

For additional documentation, scan this QR code: https://qr.ledvion.com/DOC

3. Setup

3.1 Unpacking

Carefully remove the floodlight and all components from the packaging. Verify that all parts are present and undamaged. The package includes one Ledvion LED Floodlight with Motion Sensor, 50W, 4000K, 6000 Lumens, IP44, with Quick Connector.

3.2 Mounting

The floodlight comes with an adjustable mounting bracket. Choose a suitable location for installation, ensuring it is a stable surface capable of supporting the floodlight's weight. Mark the drilling points using the bracket as a template. Securely fasten the bracket to the surface using appropriate screws and anchors (not included).



Image: An example installation of the Ledvion floodlight mounted above garage doors, providing illumination.



Image: Front view of the floodlight with dimensions: 187 mm width and 192 mm height.



Image: Side view of the floodlight, illustrating the bracket dimensions (70 mm and 120 mm hole spacing, 6.5 mm height) and a cable length of 500 mm.

3.3 Electrical Connection

Ensure the power supply is turned off before making any electrical connections. The floodlight is designed for 230V AC power. Use the provided IP68 quick connector for a secure and watertight connection to your main power supply. If you are unsure about electrical wiring, consult a qualified electrician.
The floodlight is rated IP44, meaning it is protected against solid objects larger than 1mm and against splashing water from any direction. The quick connector itself is IP68 rated for superior water immersion protection.

4. Operating

4.1 Motion Sensor Functionality

The integrated Passive InfraRed (PIR) motion sensor detects movement within its detection zone, automatically activating the floodlight. The sensor is adjustable, allowing you to customize its sensitivity and detection range.

- **Detection Range:** Up to 6 meters, with an additional 2 meters for optimal detection.
- **Sensor Angle:** 120 degrees, providing wide coverage.

Adjust the sensor head to cover the desired area. Avoid pointing the sensor towards heat sources, reflective surfaces, or areas with constant movement (e.g., busy roads) to prevent false triggers.



Image: Diagram illustrating the adjustable PIR sensor's detection capabilities, showing a 120-degree sensor angle and a detection range of up to 6 meters + 2 meters.

4.2 Light Output

The floodlight emits a neutral white light at 4000K, providing clear and bright illumination suitable for various outdoor applications. The 50W LED produces 6000 lumens, ensuring ample light coverage.



Image: Close-up of the floodlight emphasizing its high quality, 4000K neutral white light, and slim design. It also mentions a strong quality aluminum base with 50W and 6000 lumen output.



Image: Internal view of the floodlight, showing the OSRAM LED chips and the durable heatsink designed to prevent overheating and ensure a long lifespan.

5. Maintenance

The Ledvion LED Floodlight is designed for minimal maintenance. However, regular inspection and cleaning can help ensure optimal performance and longevity.

- **Cleaning:** Periodically clean the floodlight's surface and sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or electronic components.
- **Inspection:** Regularly check the mounting bracket and electrical connections for any signs of wear, damage, or loosening. Ensure the quick connector remains securely sealed.
- **Environmental Protection:** The floodlight has an IP44 rating, making it resistant to splashing water. While the image shows IP65, the product description specifies IP44. The quick connector is IP68 rated. Ensure the floodlight is not submerged in water or exposed to high-pressure water jets.



Image: The floodlight depicted in a rainy setting, highlighting its resistance to water and dust. The image indicates an IP65 rating, while the product description specifies IP44 for the floodlight itself and IP68 for the quick connector.

6. Troubleshooting

If you experience issues with your Ledvion LED Floodlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Floodlight does not turn on.	◦ No power supply. ◦ Faulty wiring or connection. ◦ Sensor not detecting movement. ◦ Product is damaged.	◦ Check power source and circuit breaker. ◦ Verify all electrical connections are secure and correct. ◦ Adjust sensor sensitivity and position. ◦ If damaged, discontinue use and contact support for replacement.

Problem	Possible Cause	Solution
Floodlight stays on continuously.	◦ Sensor constantly detecting movement. ◦ Sensor malfunction.	◦ Adjust sensor position to avoid unwanted detection (e.g., trees, traffic). ◦ Clean sensor lens. If problem persists, contact support.
Floodlight flashes or flickers.	◦ Unstable power supply. ◦ Loose connection. ◦ Internal component issue.	◦ Ensure stable power. ◦ Check all wiring connections. ◦ If problem persists, discontinue use and contact support.

If the product is not working properly or is damaged, it must be shut down immediately. In such cases, replacement is required. Do not attempt to repair the product yourself.

7. Specifications

Feature	Specification
Model Number	LV50019_1
Brand	Ledvion
Power (Wattage)	50W
Lumen Output	6000 Lumens
Color Temperature	4000K (Neutral White)
Voltage	230V
Material	Aluminum
IP Rating (Floodlight)	IP44 (Splash-resistant)
IP Rating (Quick Connector)	IP68 (Water immersion protected)
Operating Temperature	-20°C to 50°C
Lifespan	> 60,000 hours
Motion Sensor Type	PIR (Passive InfraRed)
Sensor Detection Range	Up to 6m + 2m
Sensor Angle	120°
Product Dimensions (L x W x H)	16 cm x 13 cm x 20 cm
Weight	653 Grams
Energy Efficiency Class	E



Image: Energy label for the Ledvion floodlight, indicating an energy efficiency class of E and energy consumption of 50 kWh per 1000

hours.
For detailed energy information, visit EPREL: https://eprel.ec.europa.eu/qr/1665552

8. Warranty

The Ledvion LED Floodlight with Motion Sensor comes with a 5-year warranty from the date of purchase. This warranty covers manufacturing defects and material faults under normal use conditions.
Please note that the warranty will be voided if:

- The product has been modified or altered in any way.
- Damage is caused by improper installation, misuse, abuse, or neglect.
- Repairs have been attempted by unauthorized personnel.
- Damage is caused by external factors such as natural disasters or power surges.

Keep 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.

Manufacturer Information:

Ledvion
Teqvion B.V.
Habraken 1205
5507 TB Veldhoven
The Netherlands
For additional product information and documentation, please visit: https://qr.ledvion.com/DOC

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