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> [Ledvion 200W LED Floodlight with Motion Sensor - 6000K, 24000 Lumens, IP44 Instruction Manual](#)

Ledvion LV50014-sensor

Ledvion 200W LED Floodlight with Motion Sensor

Model: LV50014-sensor

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1. INTRODUCTION

Thank you for purchasing the Ledvion 200W LED Floodlight with Motion Sensor. This manual provides important information for the safe and efficient installation, operation, and maintenance of your new floodlight. Please read this manual thoroughly before installation and keep it for future reference. This professional LED floodlight is designed for various outdoor applications, offering powerful and efficient illumination. Its robust construction ensures durability and reliable performance in diverse environmental conditions.



Figure 1: Ledvion 200W LED Floodlight with Motion Sensor.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in fire, electric shock, serious injury, or property damage. Always consult a qualified electrician for installation if you are unsure.

- **Electrical Safety:** This device is intended for its intended purpose only. Do not use this device if damaged or defective. If the power cord is damaged, especially if the cable or driver is damaged, this product must be shut down immediately. Any repair or replacement is required before replacing. Turn off power and let the product cool down before any maintenance. Repairs may only be used in combination with the original driver. This product should only be opened by an authorized technician. When the product is defective, do not carry out repairs yourself. To disconnect voltage, pull the plug.
- **Installation:** Ensure the mounting surface is stable and can support the weight of the floodlight. All electrical connections must comply with local regulations and standards.
- **Operating Environment:** The floodlight is designed for outdoor use (IP44 rated). Avoid submerging it in water or exposing it to extreme mechanical stress.
- **Temperature:** Operates reliably in temperatures from -20°C to 50°C.
- **Maintenance:** Always disconnect power before cleaning or performing any maintenance. Use a soft, damp cloth for cleaning; do not use abrasive cleaners.

- **Children:** Keep the product out of reach of children.

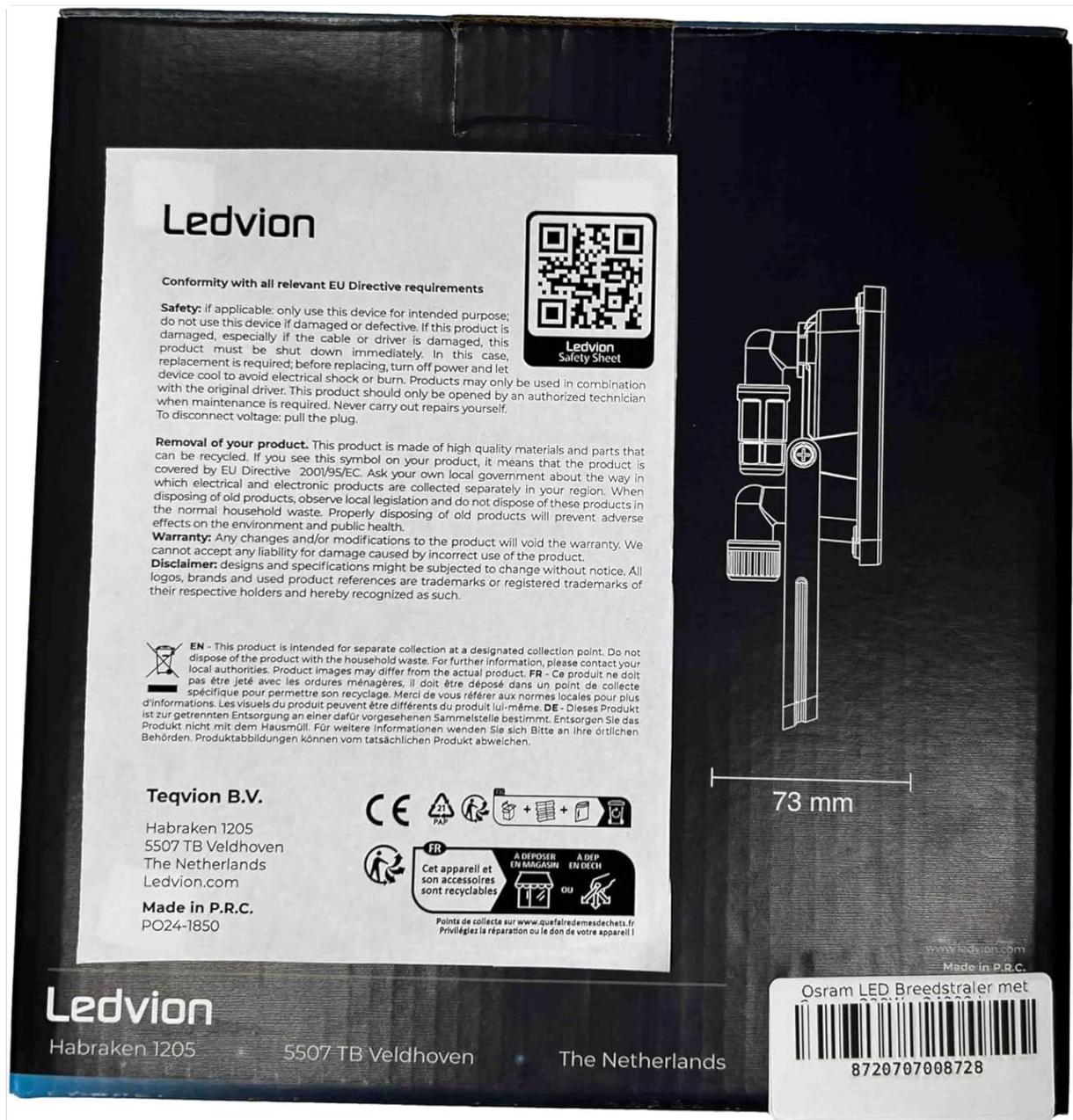


Figure 2: Important safety and product information from the packaging. Scan the QR code for safety documents: <https://qr.ledvion.com/DOC>

3. PRODUCT FEATURES

The Ledvion LED Floodlight is engineered with advanced features for superior performance and durability:

- **High Quality Construction:** Made from high-quality materials, featuring a strong aluminum base and a powder-coated surface for corrosion protection.
- **Powerful Illumination:** 200W power output, delivering 24000 lumens with a 6000K cool white light temperature.
- **Integrated Motion Sensor:** Equipped with an adjustable Passive Infrared (PIR) sensor for automatic light activation, detecting motion up to 6 meters with a 120° angle.
- **Durable and Weather-Resistant:** IP44 rated, making it splash-proof and suitable for outdoor use. Features IK07 tempered safety glass for impact resistance.
- **Efficient Heat Dissipation:** The back of the floodlight is equipped with a durable heatsink to prevent

overheating of the OSRAM LED chips during prolonged use, ensuring a long lifespan.

- **Easy Installation:** Designed for easy wall mounting with a mobile bracket and includes a quick connector for simplified electrical hookup.

110
Lumen/w

HIGH QUALITY FLOODLIGHT

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

6500K DAYLIGHT

SLIM DESIGN

Ledvion

Ledvion

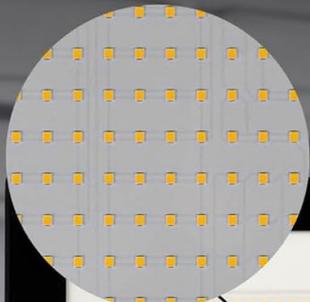
The advertisement features a black floodlight with a white LED panel, mounted on a black bracket. The background is a blurred indoor setting. The floodlight has the 'Ledvion' brand name on its base. Two callout boxes with hexagonal icons point to the floodlight, highlighting '6500K DAYLIGHT' and 'SLIM DESIGN'. The brand name 'Ledvion' is also visible in the bottom right corner of the image area.

Figure 3: Key features of the Ledvion floodlight, including high lumen output and slim design.



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

Figure 4: Illustration of the OSRAM LED chips and the heatsink for optimal heat management.



WATER & DUST RESISTANT

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



Figure 5: This image illustrates the floodlight's resistance to water and dust. The Ledvion 200W LED Floodlight is rated IP44, providing protection against splashing water from any direction.

4. INSTALLATION

Before beginning installation, ensure the power supply is disconnected at the main circuit breaker to prevent electric shock.

4.1. Package Contents

The package typically includes:

- Ledvion LED Floodlight with Motion Sensor (Model: LV50014-sensor)
- Mounting bracket (pre-attached)
- Quick connector (included for simplified wiring)
- Instruction Manual (this document)

4.2. Mounting the Floodlight

1. **Choose Location:** Select a suitable outdoor location for mounting, such as a wall, ensuring the surface is sturdy enough to hold the floodlight's weight. Consider the desired illumination area and

motion sensor coverage.

2. **Mark Drilling Points:** Use the mounting bracket as a template to mark the drilling points on the wall. The bracket has mounting holes with a diameter of 12.5 mm, spaced 120 mm and 180 mm apart.
3. **Drill Holes:** Drill holes at the marked points. Insert appropriate wall plugs (not included) if necessary.
4. **Secure Bracket:** Attach the mounting bracket to the wall using screws (not included). Ensure it is securely fastened.
5. **Attach Floodlight:** Mount the floodlight onto the secured bracket. The bracket allows for angle adjustment after installation.



Figure 6: Example of the floodlight installed on an exterior wall.



Figure 7: Front view dimensions of the floodlight.



Figure 8: Side view dimensions, including cable length and mounting hole spacing (120mm, 180mm, 12.5mm diameter).

4.3. Electrical Connection

The floodlight comes with a pre-attached cable and a quick connector for easy wiring. Ensure all connections are secure and waterproof.

1. **Identify Wires:** The cable typically contains three wires: Live (brown/black), Neutral (blue), and Earth (green/yellow).
2. **Connect to Power:** Connect the floodlight's wires to your main power supply using the quick connector, ensuring correct polarity (Live to Live, Neutral to Neutral, Earth to Earth).
3. **Secure Connections:** Ensure all connections are tight and protected from moisture.
4. **Restore Power:** Once all connections are made and secured, restore power at the main circuit breaker.

5. OPERATING INSTRUCTIONS

The Ledvion floodlight features an integrated motion sensor (PIR sensor) that automatically activates the light when motion is detected within its range.

5.1. Adjusting the Motion Sensor

The PIR sensor is adjustable to customize its detection range and duration. The sensor typically has controls for:

- **SENS (Sensitivity):** Adjusts the detection range. The sensor can detect motion up to 6 meters.
- **TIME (Time Delay):** Sets how long the light remains on after motion is detected and no further motion is sensed.
- **LUX (Light Sensitivity):** Determines the ambient light level at which the sensor becomes active. This allows the light to only turn on when it's dark enough.

Refer to the specific dials or switches on the sensor unit for precise adjustments. Test the settings after adjustment to ensure optimal performance.



Figure 9: Illustration of the adjustable PIR sensor's detection angle (120°) and range (up to 6 meters).

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Ledvion floodlight.

- **Cleaning:** Periodically clean the floodlight's surface and sensor lens with a soft, damp cloth. Do not

use harsh chemicals or abrasive materials, as these can damage the finish or sensor.

- **Inspection:** Regularly inspect the power cable and housing for any signs of damage, wear, or corrosion. If any damage is found, disconnect power immediately and consult a qualified technician.
- **No User-Serviceable Parts:** The LED light source and driver are not user-serviceable. Do not attempt to open or repair the floodlight yourself.

7. TROUBLESHOOTING

If you encounter issues with your floodlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Sensor settings incorrect. Faulty wiring.	Check circuit breaker and power connections. Adjust LUX setting to a darker level or TIME setting. Verify all electrical connections are secure.
Light stays on continuously.	Continuous motion detected. TIME setting too long. Sensor faulty.	Ensure no objects are causing constant detection. Adjust TIME setting to a shorter duration. Contact customer support if problem persists.
Light turns on during daylight.	LUX setting too high (too sensitive to light).	Adjust LUX setting to a lower (darker) level.
Motion sensor range is poor.	SENS setting too low. Obstructions. Incorrect mounting height.	Increase SENS setting. Clear any obstructions in the sensor's field of view. Ensure sensor is mounted at an optimal height (typically 1.8-2.5m).

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

8. SPECIFICATIONS

Detailed technical specifications for the Ledvion 200W LED Floodlight with Motion Sensor (Model: LV50014-sensor):

Feature	Value
Brand	Ledvion
Model Number	LV50014-sensor
Power Consumption	200 Watts
Luminous Flux	24000 Lumens
Color Temperature	6000 Kelvin (Cool White)
Color Rendering Index (CRI)	85
Voltage	230 Volts

Feature	Value
Material	Aluminum
Finish Type	Powder Coating
Product Dimensions (L x W x H)	41 x 13 x 30 cm (410 x 130 x 300 mm)
Item Weight	2.41 Kilograms
Ingress Protection (IP) Rating	IP44 (Splash-proof)
Impact Protection (IK) Rating	IK07 (Tempered safety glass)
Special Features	Motion Detector
Installation Type	Wall Mount
Power Source	Corded Electric
Operating Temperature	-20°C to 50°C
Motion Sensor Detection Range	Up to 6 meters
Motion Sensor Angle	120°

Figure 10: Official product information sheet (translated values are included in the table above).

Figure 11: Energy label for the Ledvion floodlight. For more details, visit: <https://eprel.ec.europa.eu/qr/1665563>

9. WARRANTY & DISPOSAL

9.1. Warranty Information

This Ledvion product comes with a **2-year warranty** from the date of purchase. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or normal wear and tear.

For warranty claims, please retain your proof of purchase and contact Ledvion customer support. Any attempt to open or modify the product will void the warranty.

9.2. Product Disposal

This product contains electrical and electronic components that must be disposed of separately from household waste. The crossed-out wheeled bin symbol indicates that the product should not be disposed of with general household waste.

Please dispose of this product at designated collection points for electrical and electronic equipment recycling. Proper disposal helps prevent potential negative consequences for the environment and human health. For more information on where to drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service, or the shop where you purchased the product.

Ledvion

Conformity with all relevant EU Directive requirements

Safety: if applicable, only use this device for intended purpose; do not use this device if damaged or defective. If this product is damaged, especially if the cable or driver is damaged, this product must be shut down immediately. In this case, replacement is required; before replacing, turn off power and let device cool to avoid electrical shock or burn. Products may only be used in combination with the original driver. This product should only be opened by an authorized technician when maintenance is required. Never carry out repairs yourself. To disconnect voltage: pull the plug.



Ledvion Safety Sheet

Removal of your product. This product is made of high quality materials and parts that can be recycled. If you see this symbol on your product, it means that the product is covered by EU Directive 2002/95/EC. Ask your own local government about the way in which electrical and electronic products are collected separately in your region. When disposing of old products, observe local legislation and do not dispose of these products in the normal household waste. Properly disposing of old products will prevent adverse effects on the environment and public health.

Warranty: Any changes and/or modifications to the product will void the warranty. We cannot accept any liability for damage caused by incorrect use of the product.

Disclaimer: designs and specifications might be subjected to change without notice. All logos, brands and used product references are trademarks or registered trademarks of their respective holders and hereby recognized as such.

 **EN** - This product is intended for separate collection at a designated collection point. Do not dispose of the product with the household waste. For further information, please contact your local authorities. Product images may differ from the actual product. **FR** - Ce produit ne doit pas être jeté avec les ordures ménagères, il doit être déposé dans un point de collecte spécifique pour permettre son recyclage. Merci de vous référer aux normes locales pour plus d'informations. Les visuels du produit peuvent être différents du produit lui-même. **DE** - Dieses Produkt ist zur getrennten Entsorgung an einer dafür vorgesehenen Sammelstelle bestimmt. Entsorgen Sie das Produkt nicht mit dem Hausmüll. Für weitere Informationen wenden Sie sich Bitte an Ihre örtlichen Behörden. Produktabbildungen können vom tatsächlichen Produkt abweichen.

Tevqion B.V.

Habraken 1205
5507 TB Veldhoven
The Netherlands
Ledvion.com

Made in P.R.C.
PO24-1850



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Privilégiez la réparation ou le don de votre appareil !



73 mm

Ledvion

Habraken 1205

5507 TB Veldhoven

The Netherlands

Osram LED Breedstraler met



8720707008728

Figure 12: The WEEE symbol indicates that this product should be disposed of responsibly through designated recycling channels.