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LEDVANCE 17W 2400LM IP65 LED Spotlight with Motion and Light Sensor User Manual

Model: 4099854309502

1. INTRODUCTION

Thank you for choosing the LEDVANCE 17W 2400LM IP65 LED Spotlight with Motion and Light Sensor. This manual provides essential information for the safe installation, operation, and maintenance of your new LED spotlight. Please read these instructions carefully before installation and retain them for future reference.

2. SAFETY INFORMATION

- **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 installation, maintenance, or repair.
- **Voltage:** This product operates on 220 Volts. Verify your power supply matches this requirement.
- **IP65 Rating:** The spotlight is rated IP65, meaning it is protected against dust ingress and low-pressure water jets from any direction. It is suitable for outdoor use but should not be submerged in water.
- **Heat:** Do not cover the spotlight during operation, as this may cause overheating.
- **Non-Dimmable:** This LED spotlight is non-dimmable. Do not connect it to a dimmer switch.
- **Light Source:** The LED light source is not replaceable. If the light source fails, the entire luminaire must be replaced.

3. PACKAGE CONTENTS

Please check the package to ensure all components are present:

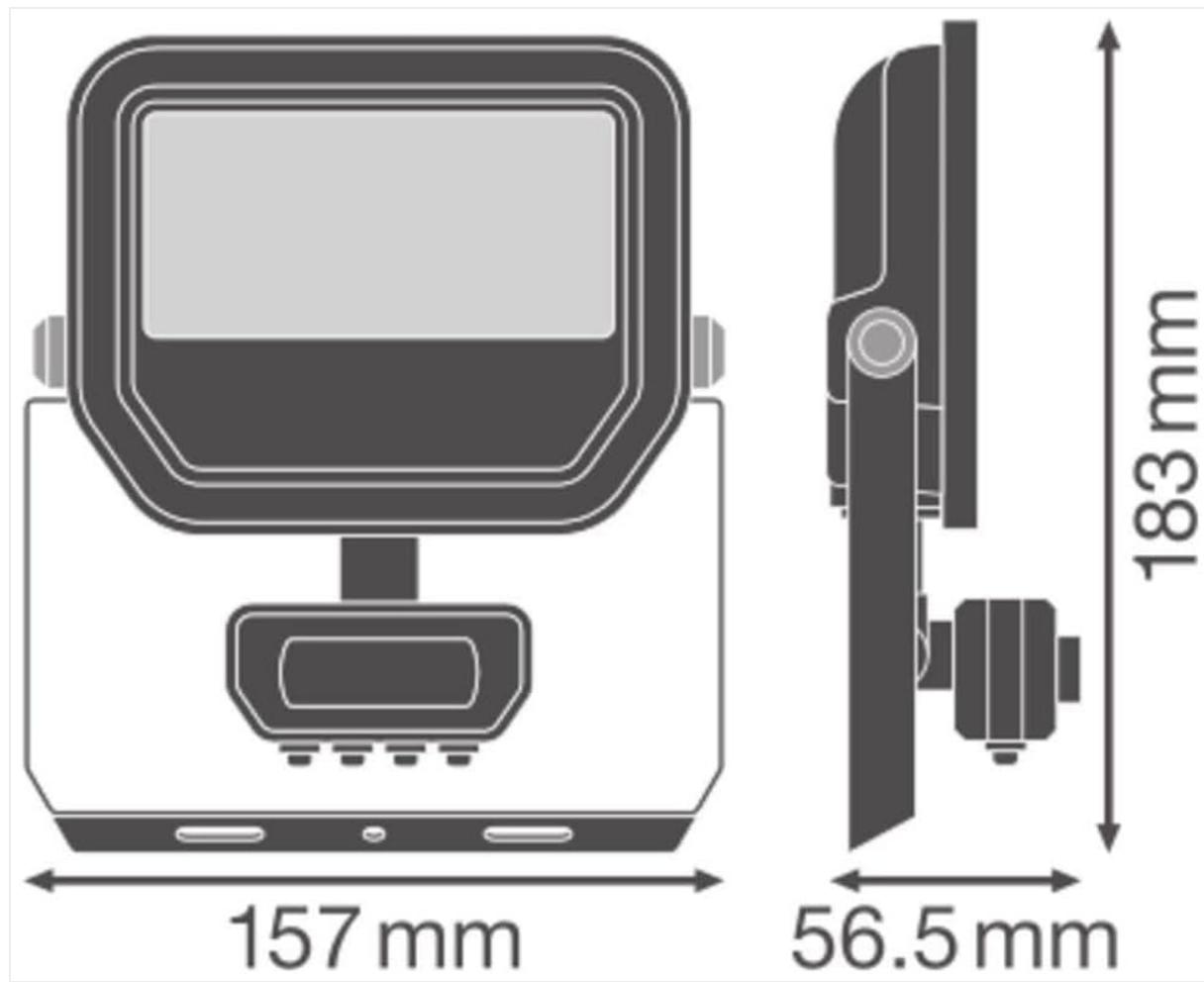
- LEDVANCE 17W 2400LM LED Spotlight unit
- Mounting bracket
- Screws and wall anchors (may vary by region)
- Instruction Manual

4. SETUP AND INSTALLATION

Follow these steps for proper installation:

4.1 Pre-Installation

- **Power Off:** Ensure the main power supply to the installation area is switched off at the circuit breaker.
- **Location Selection:** Choose a suitable outdoor location for the spotlight. Consider the desired coverage area for the light and the effective range of the motion and light sensors. Ensure the mounting surface is sturdy enough to support the fixture.
- **Dimensions Check:** Refer to the product dimensions to ensure adequate space for installation.



This diagram illustrates the physical dimensions of the LEDVANCE LED Spotlight. The front view shows a width of 157 mm, and the side view shows a height of 183 mm and a depth of 56.5 mm, providing crucial measurements for installation planning.

4.2 Mounting

1. Position the mounting bracket on the desired surface and mark the drilling points.
2. Drill holes at the marked positions and insert wall anchors if necessary.
3. Secure the mounting bracket to the surface using the provided screws.
4. Attach the LED spotlight unit to the mounting bracket, ensuring it is firmly secured. Adjust the angle of the spotlight as needed.

4.3 Wiring

- Connect the spotlight's electrical wires to your mains power supply (220V). Ensure correct polarity

(Live, Neutral, Earth) according to local wiring regulations.

- Properly insulate all connections to prevent short circuits and ensure safety.
- Once wiring is complete and secure, restore power to the circuit.



This image displays the product packaging for the LEDVANCE Floodlight Sensor, highlighting key features such as 17W power, 2400 lumens, IP65 rating, 5-year guarantee, 4000K color temperature, and motion/light sensor capabilities. It also shows the product's model number and various certifications.

5. OPERATING INSTRUCTIONS

The LEDVANCE spotlight is designed for automatic operation based on its integrated motion and light sensors.

- **Light Sensor (Dusk-to-Dawn):** The integrated light sensor detects ambient light levels. The spotlight will automatically activate when the ambient light falls below a certain threshold (e.g., at dusk) and deactivate when sufficient light is present (e.g., at dawn).
- **Motion Sensor:** The motion sensor detects movement within its detection range. When motion is detected, the spotlight will illuminate for a set duration. After the motion ceases and the set time expires, the light will turn off, provided the ambient light level is above the threshold set by the light sensor.

- **Adjustments:** While specific adjustment controls are not detailed, some models may feature adjustable settings for motion sensitivity, light threshold, and illumination duration. Refer to any labels on the fixture itself for potential adjustment dials.

6. MAINTENANCE

The LEDVANCE spotlight requires minimal maintenance.

- **Cleaning:** Periodically clean the surface of the spotlight and the sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or the sensor.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose wiring, or corrosion. Address any issues promptly.
- **No User-Serviceable Parts:** There are no user-serviceable parts inside the fixture. Do not attempt to open or repair the unit yourself.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Ambient light too high. Motion sensor not triggered.	Check circuit breaker and wiring. Wait for dusk or test in a darker environment. Ensure motion is within sensor range.
Light stays on continuously.	Constant motion detected. Light sensor malfunction. Wiring error.	Check for obstructions or continuous movement in sensor's field of view. Contact support if sensor is faulty. Verify wiring connections.
Light flickers.	Unstable power supply. Loose wiring connection.	Consult an electrician to check power supply stability. Ensure all wiring connections are secure (with power off).
Motion sensor not detecting.	Sensor obstructed. Incorrect sensor angle. Temperature too high/low for sensor.	Clear any obstructions from the sensor lens. Adjust the sensor's angle for optimal coverage. Ensure operating within specified temperature range.

8. SPECIFICATIONS

Brand	LEDVANCE
Model Number	4099854309502
Wattage	17 Watts

Lumen Output	2400 LM
Color Temperature	4000K (Cool White)
Beam Angle	100 Degrees
Voltage	220 Volts
IP Rating	IP65
Material	Aluminium
Dimensions (L x W x H)	15.7 x 3.8 x 18.3 cm
Item Weight	576 Grams
Dimmable	No
Sensors	Motion Sensor, Light Sensor

9. WARRANTY AND SUPPORT

This LEDVANCE spotlight comes with a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions not covered in this manual, please contact your retailer or the LEDVANCE customer service directly. Keep your proof of purchase for warranty validation.