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LEDVANCE 4058075244832

LEDVANCE 360DEG Wall Sensor Instruction Manual

Model: 4058075244832

1. INTRODUCTION

Thank you for choosing the LEDVANCE 360DEG Wall Sensor. This device is designed to provide efficient and automated lighting control for outdoor environments, enhancing both convenience and energy savings. This manual provides essential information for the safe installation, operation, and maintenance of your sensor.

2. SAFETY INFORMATION

Please read these safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Professional Installation:** Installation must be carried out by a qualified electrician in accordance with all local and national electrical codes.
- **Power Disconnection:** Always disconnect power at the circuit breaker before installing, servicing, or cleaning the device.
- **Voltage:** Ensure the supply voltage matches the device's requirements (230 Volt AC).
- **Environmental Conditions:** The device has an IP55 protection rating, making it suitable for outdoor use and protected against dust and low-pressure water jets. However, avoid direct exposure to extreme weather conditions beyond its specified operating range (-20°C to +40°C).
- **Modification:** Do not modify or alter the device in any way. Unauthorized modifications may void the warranty and create safety hazards.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x LEDVANCE 360DEG Wall Sensor device

4. PRODUCT FEATURES

- Stand-alone motion and light sensor for wall mounting.
- 360° detection field for comprehensive coverage.

- Optimized for energy saving.
- Three selectable operating modes: continuous light on, activation by motion, or activation by twilight.
- Zero-crossing circuit optimized for the operation of LED luminaires.
- IP55 protection type, suitable for outdoor use.
- Designed to be disassembled for separate control of internal light sources (if applicable).

5. SETUP AND INSTALLATION

The LEDVANCE 360DEG Wall Sensor is designed for wall mounting. Refer to the following diagrams and instructions for proper installation.

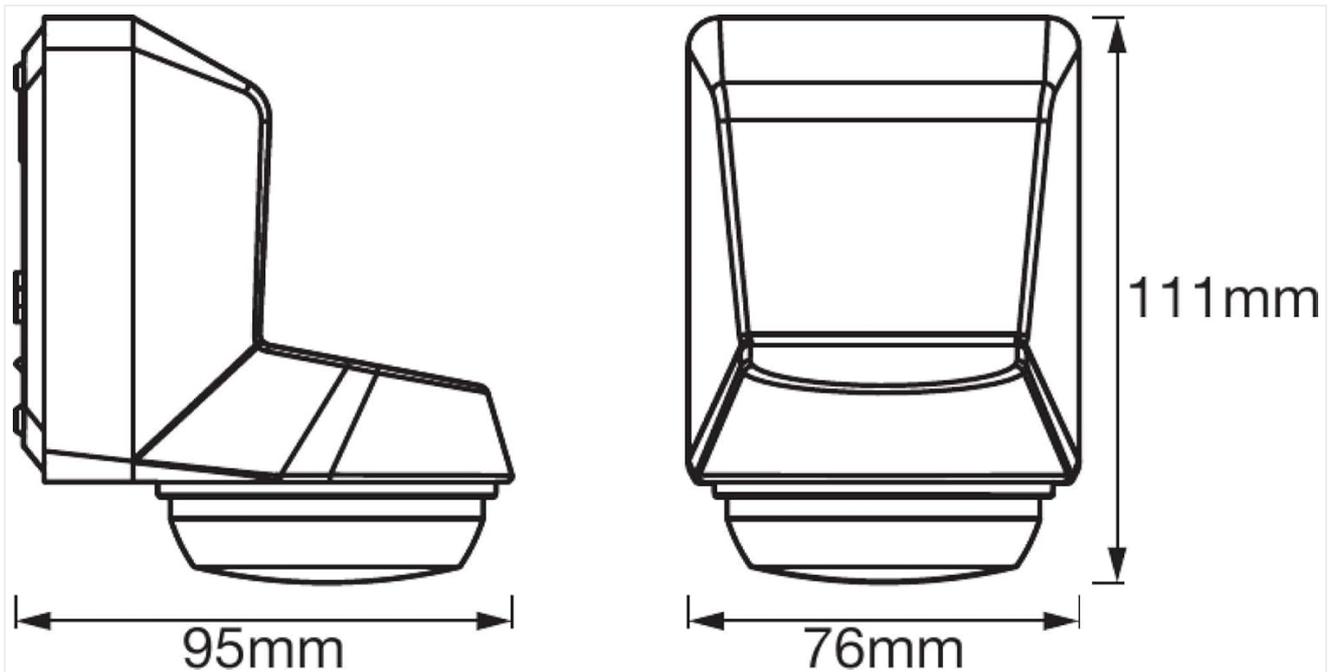


Figure 5.1: Dimensions of the LEDVANCE 360DEG Wall Sensor. The sensor measures 7.6 cm in width, 9.5 cm in depth, and 11.1 cm in height.



Figure 5.2: Close-up view of the LEDVANCE 360DEG Wall Sensor unit, showing its black polycarbonate housing and the spherical detection lens at the bottom.

5.1 Mounting Location

- Choose a wall location that provides the desired detection coverage. The sensor has a 360° detection field and a maximum detection distance of 10 meters.
- Avoid mounting near heat sources, air conditioning vents, or areas with direct sunlight, as these can interfere with sensor performance.
- Ensure the mounting surface is stable and can support the device's weight (250 grams).

5.2 Electrical Connection

- **WARNING:** Disconnect power before making any electrical connections.

- Connect the sensor to a 230 Volt AC power supply.
- Follow the wiring diagram provided with the product packaging for correct connections. Ensure all connections are secure and insulated.
- The zero-crossing circuit is optimized for LED luminaires.

6. OPERATING INSTRUCTIONS

The LEDVANCE 360DEG Wall Sensor offers flexible operation modes and adjustable settings.

6.1 Operating Modes

The sensor features three selectable operating modes:

1. **Continuous Light On:** The connected light remains continuously on, bypassing sensor detection.
2. **Activation by Motion:** The connected light turns on when motion is detected within the 360° field.
3. **Activation by Twilight:** The connected light turns on when ambient light levels fall below a set threshold (twilight) and motion is detected.

Refer to the product's internal settings or external switches (if present) to select the desired mode. Note that some settings may require opening the device, which should only be done by a qualified professional.

6.2 Detection Settings

The sensor allows for adjustment of the light duration after detection:

- **Light Duration:** The duration for which the light remains on after motion detection can typically be set between 2 seconds and 15 minutes. Adjust this setting according to your preference and energy-saving goals.

7. MAINTENANCE

The LEDVANCE 360DEG Wall Sensor requires minimal maintenance.

- **Cleaning:** Periodically clean the sensor lens and housing with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the polycarbonate material.
- **Inspection:** Regularly inspect the device for any signs of damage or wear. If any damage is found, disconnect power and contact a qualified electrician for repair or replacement.

8. TROUBLESHOOTING

If you experience issues with your LEDVANCE 360DEG Wall Sensor, refer to the following common problems and solutions:

- **Light does not turn on:**
 - Check if the power supply is connected and active.
 - Verify the operating mode is set correctly (e.g., 'Activation by Motion' or 'Activation by Twilight').
 - Ensure the detection area is clear of obstructions.
 - Adjust the sensitivity settings if available.
- **Light stays on continuously:**
 - Check if the operating mode is set to 'Continuous Light On'.
 - Ensure no constant motion is occurring within the detection zone.

- **Light turns on unexpectedly:**

- Check for environmental factors like moving branches, small animals, or sudden temperature changes that might trigger the sensor.
- Adjust the sensor's sensitivity or detection range if possible.

If the problem persists after attempting these solutions, contact customer support or a qualified electrician.

9. SPECIFICATIONS

Brand	LEDVANCE
Model Number	4058075244832
Product Code	SENSOR WALL 360DEG IP55 DG LEDV
Dimensions (L x W x H)	7.6 x 9.5 x 11.1 cm
Weight	250 grams
Material	Polycarbonate
Color	Black
Voltage	230 Volt
Power Source	AC
Protection Rating	IP55
Mounting Type	Wall Mount
Detection Field	360 degrees
Max. Detection Distance	10 meters
Operating Modes	Continuous On, Motion Activated, Twilight Activated
Light Duration Adjustment	2 seconds to 15 minutes (approx.)
Bulb Type Compatibility	LED

10. WARRANTY AND SUPPORT

The LEDVANCE 360DEG Wall Sensor comes with a **3-year manufacturer's warranty** from the date of purchase, covering defects in materials and workmanship under normal use.

For technical support, warranty claims, or further assistance, please visit the official LEDVANCE store or contact their customer service department. You can find more information and contact details on the [LEDVANCE Brand Store](#).

Please retain your proof of purchase for warranty purposes.