

Proventa B08NC14HCH

Proventa Solar LED Wall Light 3.3W 400lm with PIR Motion Sensor - User Manual

INTRODUCTION

Thank you for choosing the Proventa Solar LED Wall Light. This manual provides essential information for the safe installation, operation, and maintenance of your new solar light. Please read these instructions carefully before use and retain them for future reference.

Package Contents

- 1 x Proventa Solar LED Wall Light (Model B08NC14HCH)
- 1 x Accessory Bag (screws, wall plugs)
- 1 x User Manual

Safety Information

- Ensure the mounting surface is stable and can support the weight of the light.
- Do not attempt to disassemble or modify the product, as this will void the warranty and may cause damage.
- Keep the solar panel clean to ensure optimal charging efficiency.
- This product is designed for outdoor use with an IP44 rating, protecting against splashing water. Do not submerge in water.
- The light contains a LiFePO4 battery. Dispose of batteries responsibly according to local regulations.



Image: The Proventa Solar LED Wall Light, showing its warm white illumination and integrated sensors.

SETUP AND INSTALLATION

Follow these steps to properly install your solar LED wall light:

1. **Choose a Location:** Select an outdoor location that receives direct sunlight for at least 6-8 hours daily to ensure optimal battery charging. Avoid areas under eaves, trees, or other obstructions that might block sunlight or trigger the motion sensor unnecessarily.
2. **Mounting Height:** For best motion detection performance, install the light at a height of less than 2.5 meters (approximately 8.2 feet). The PIR sensor has a detection range of 6-8 meters.
3. **Mark Drill Holes:** Hold the light against the desired mounting surface and mark the positions for the drill holes.
4. **Drill Holes:** Drill holes at the marked positions. Insert the provided wall plugs if necessary.
5. **Secure the Light:** Align the light with the drilled holes and secure it firmly using the provided screws.
6. **Initial Charge:** Allow the light to charge in direct sunlight for at least 24-48 hours before first use to ensure the

battery is fully charged.

Panel solar monocristalino alto rendimiento



Sensor crepuscular y movimiento PIR integrados

Image: Components of the Proventa Solar LED Wall Light, highlighting the monocrystalline solar panel and integrated PIR motion and light sensors.

OPERATING INSTRUCTIONS

The Proventa Solar LED Wall Light features an integrated light sensor and PIR motion sensor, offering three adjustable operating modes. The light automatically turns on at dusk (light sensor sensitivity: 25 lux) and off at dawn.

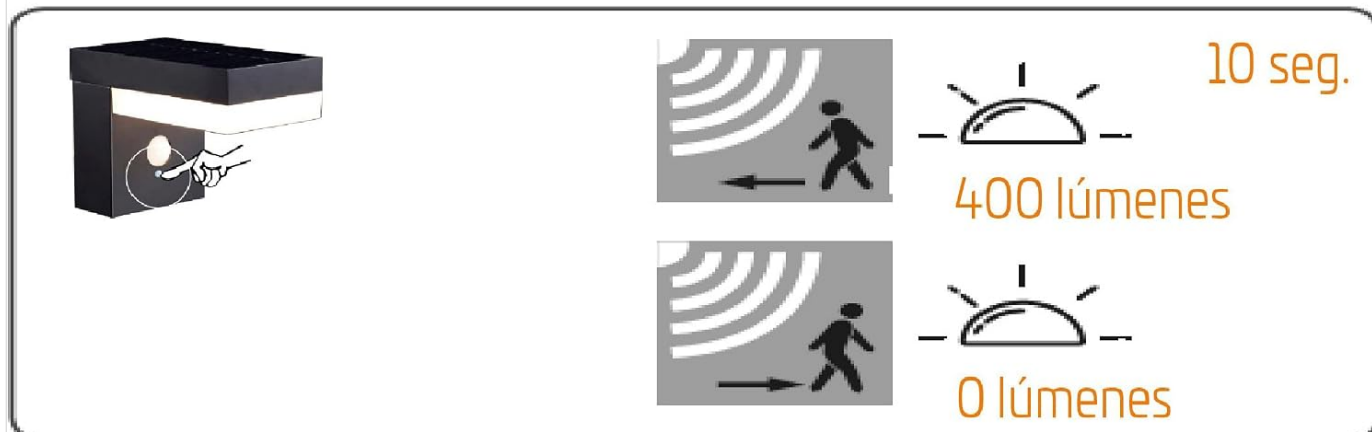
Selecting Operating Modes

A small button or switch is typically located on the unit to cycle through the modes. Press the button repeatedly to select your desired mode:

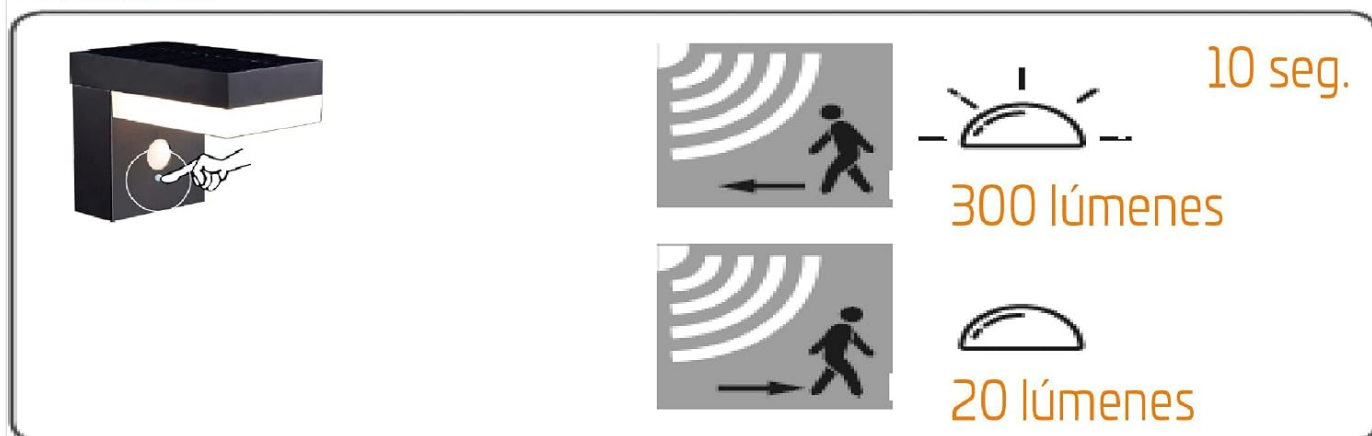
- **Mode A (Motion Activated - Full Brightness):** The light remains off until motion is detected. Upon detection, it illuminates at full brightness (400 lumens) for approximately 10 seconds, then turns off.

- **Mode B (Dim + Motion Activated - Full Brightness):** The light stays on at a dim level (20 lumens) at night. When motion is detected, it switches to full brightness (300 lumens) for approximately 10 seconds, then returns to the dim level.
- **Mode C (Constant Dim Light):** The light illuminates at a constant dim level (50 lumens) throughout the night, regardless of motion.

Modo A



Modo B



Modo C



Image: Visual representation of the three distinct operating modes (A, B, C) for the Proventa Solar LED Wall Light, detailing light output and duration.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your solar light.

- **Clean the Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Inspect Mounting:** Check the mounting screws and bracket periodically to ensure the light remains securely attached to the wall.

- **Battery:** The integrated LiFePO4 battery is designed for long life (average 30,000 hours for the LED). It is not user-replaceable. If the light's performance significantly degrades over time, it may indicate the end of the battery's lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient sunlight for charging. Solar panel is dirty. Light switch is off or in an incorrect mode. Battery is depleted or at end of life.	Relocate the light to an area with more direct sunlight. Clean the solar panel. Ensure the light is switched on and the desired mode is selected. Allow several days of full charge. If problem persists, battery may need replacement (not user-serviceable).
Motion sensor is not detecting movement or is too sensitive.	Obstructions blocking the sensor. Incorrect mounting height. Environmental factors (e.g., strong winds moving objects).	Clear any obstructions from the sensor's field of view. Ensure mounting height is within recommended range (<2.5m). Consider adjusting the light's position if false triggers are frequent.
Light duration is shorter than expected.	Insufficient charging. Frequent motion triggers (in motion modes). Cold weather affecting battery performance.	Ensure optimal sunlight exposure. Consider a mode with lower constant brightness if frequent triggers are not desired. Battery performance naturally decreases in very cold temperatures.

PRODUCT SPECIFICATIONS

Brand	Proventa
Model	B08NC14HCH
Material	Stainless Steel, Polycarbonate
Dimensions (L x W x H)	16.5 x 12.5 x 9.5 cm (6.5 x 4.9 x 3.7 inches)
Weight	640 g (1.41 lbs)
Power	3.3 W
Luminous Flux	400 lm
Color Temperature	2700 K (Warm White)
Beam Angle	120°

Average Lifespan	30,000 hours
Dimmable	Yes, 3 modes
Protection Class	IP44 (Splash-proof)
Battery	LiFePO4 2000 mAh 3.2 V
PIR Sensor Detection Range	6-8 m
Recommended Mounting Height	<2.5 m
Lighting Range	6-7 m
Light Sensor Sensitivity	25 lux
Electrical Insulation Class	III
Color	Black



Image: Detailed dimensions of the Proventa Solar LED Wall Light (16.5 cm length, 12.5 cm height, 9.5 cm depth).

WARRANTY INFORMATION

Specific warranty details are not provided in the product information. Please refer to your purchase documentation or contact the retailer for information regarding warranty coverage and terms.

CUSTOMER SUPPORT

For any questions, technical assistance, or issues not covered in this manual, please contact your retailer or the Proventa

customer service department. Contact information can typically be found on the product packaging or the retailer's website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question