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Aigostar 8433325416164

Aigostar 300W Solar Outdoor Street Light User Manual

Model: 8433325416164

Introduction

Thank you for choosing the Aigostar 300W Solar Outdoor Street Light. This manual provides detailed instructions for the installation, operation, and maintenance of your new solar street light. Designed for outdoor use, this light features a motion sensor, remote control, and IP65 waterproofing, making it ideal for gardens, courtyards, streets, and other outdoor areas. Please read this manual carefully before use to ensure proper function and longevity of the product.

1. Product Components

The Aigostar 300W Solar Outdoor Street Light package includes the following items:

- 1 x Aigostar 300W Solar Street Light unit
- 1 x Remote Control
- Mounting accessories (bolts, nuts)

Note: The mounting pole/support is **not included** and must be purchased separately. The recommended installation height is 3-6 meters.



Image: The Aigostar 300W Solar Street Light unit, showing its dimensions (722mm length, 251mm width, 47mm thickness), the solar panel on the back, the LED array on the front, and the included remote control and mounting hardware. The internal diameter for pole mounting is 50mm.

2. Setup and Installation

Follow these steps for proper installation of your solar street light:

1. **Choose Location:** Select an outdoor location that receives ample direct sunlight throughout the day to ensure optimal charging of the solar panel. Avoid shaded areas.
2. **Mounting:** Securely attach the street light to a suitable pole (not included) using the provided mounting accessories. The internal diameter for pole mounting is 50mm. Ensure the light is firmly fixed to prevent movement due to wind or other environmental factors.
3. **Initial Activation:** Before first use, press and hold the "ON/OFF" button on the light unit for 3 seconds to activate it. This ensures the light is ready to operate.

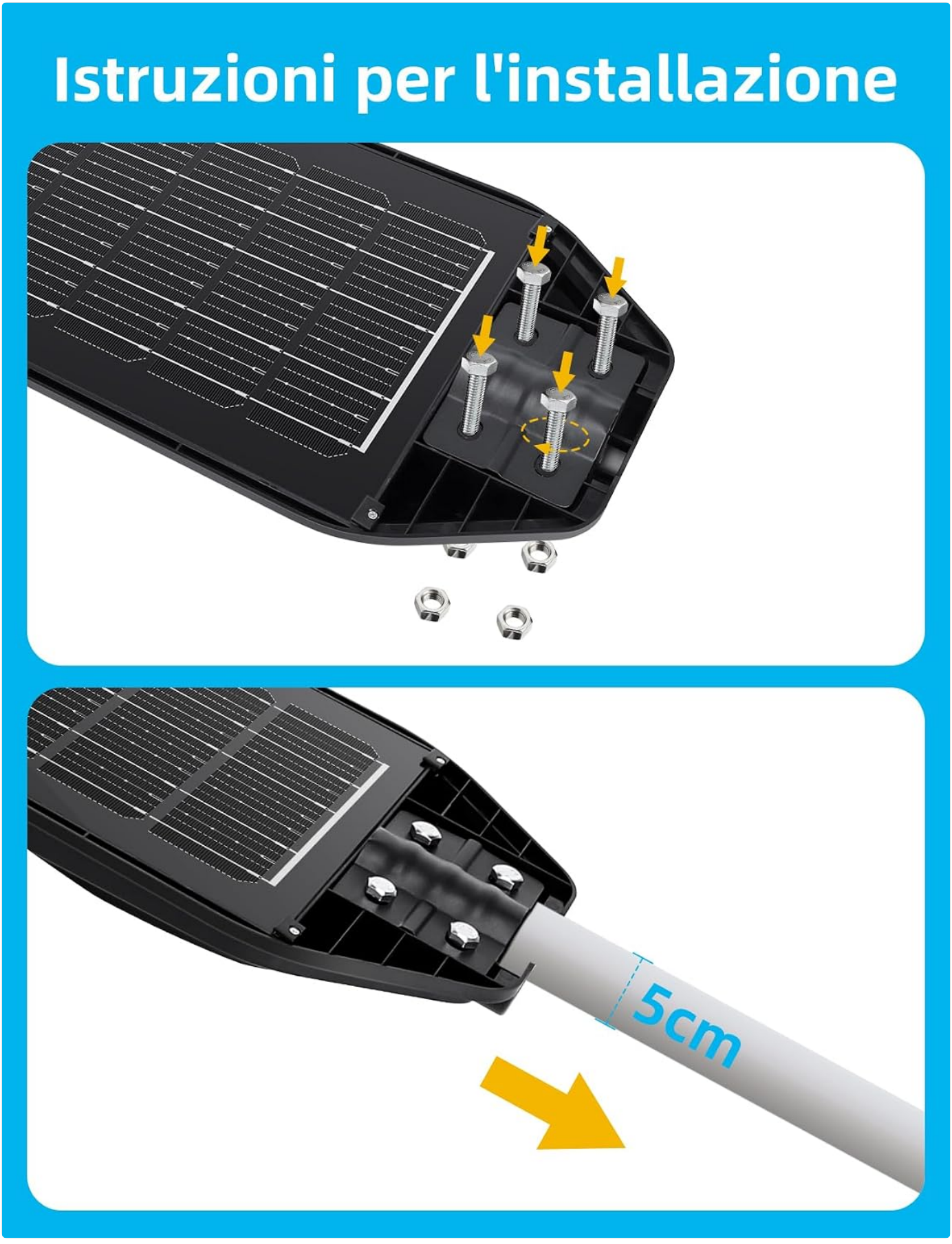


Image: Detailed view of the mounting process, showing how the light unit attaches to a pole using bolts and nuts, and the recommended insertion depth of 5cm into the pole.



Image: Close-up of the light unit showing the physical ON/OFF button. It indicates that for first use, the button should be pressed for 3 seconds to activate the light.

3. Operating Instructions

Your Aigostar solar street light can be operated using the included remote control. It offers various lighting modes and functions:

Remote Control Functions:

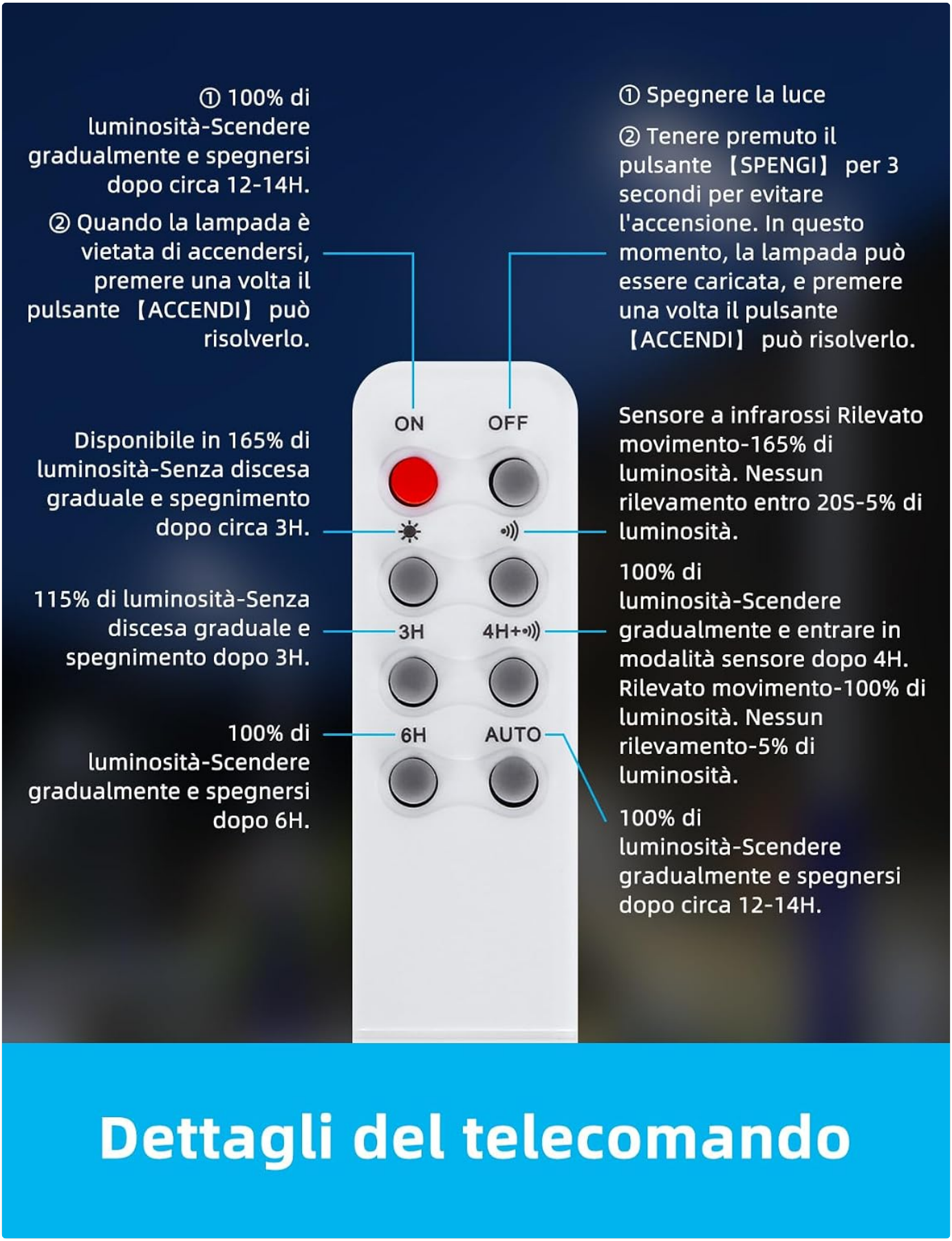


Image: Diagram of the remote control, detailing each button's function. Buttons include ON, OFF, brightness adjustment, 3H, 4H, 6H timer, and AUTO mode.

- **ON:** Turns the light on.

- **OFF:** Turns the light off. To prevent accidental activation, press and hold the OFF button for 3 seconds. If the light is charged but not turning on, press the ON button once.
- **Brightness Adjustment:** Adjusts the light intensity.
- **3H** / **4H** / **6H:** Timer functions. The light will operate for the selected duration (3, 4, or 6 hours) at 100% brightness, then gradually dim and turn off.
- **AUTO (Sensor Mode):** Activates the motion sensor mode.

Lighting Modes:

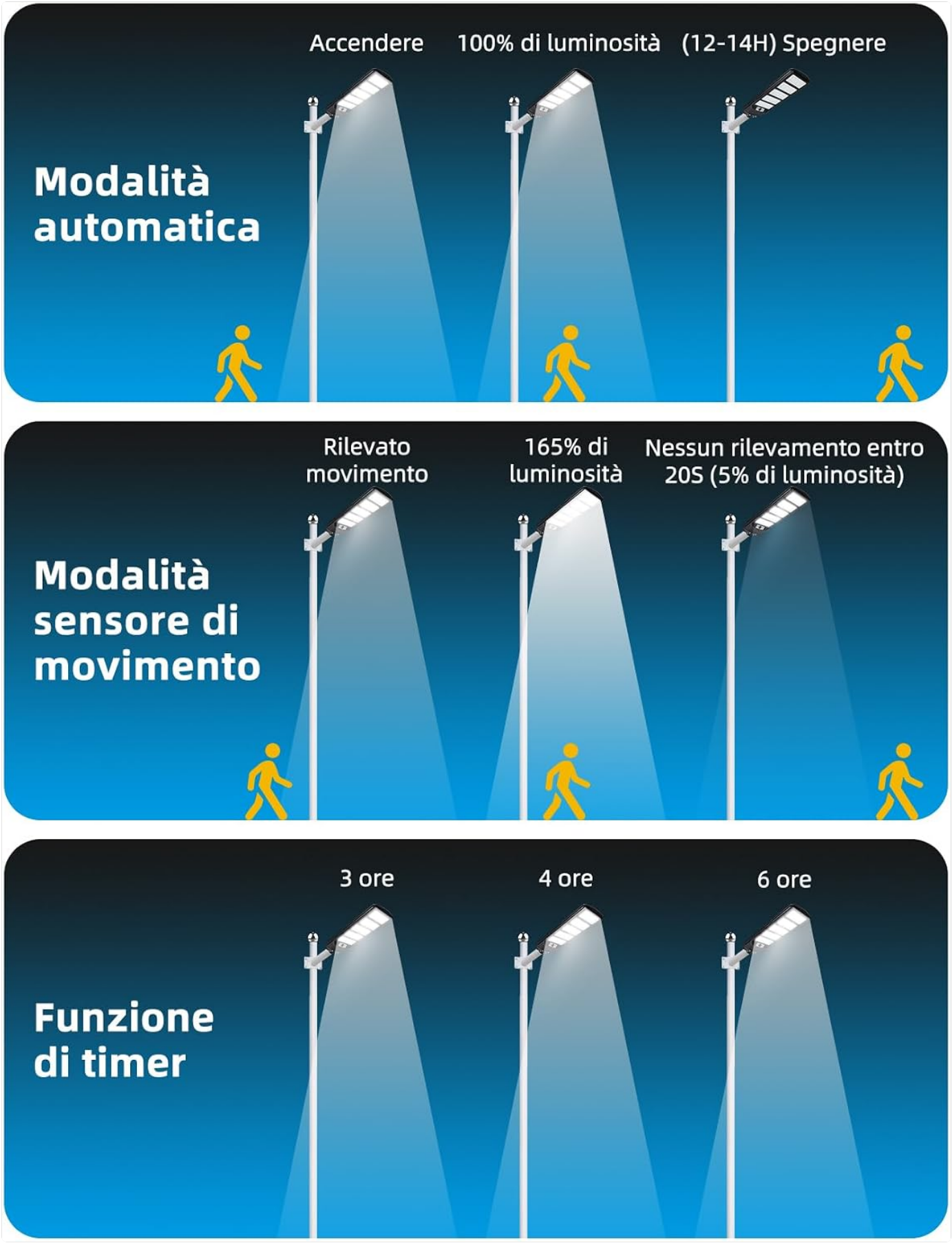


Image: Visual representation of the three main operating modes: Automatic, Motion Sensor, and Timer Function.

1. **Automatic Mode:** The light will automatically turn on at 100% brightness at dusk and gradually dim and turn off after approximately 12-14 hours, or at dawn. This mode is ideal for continuous illumination throughout the night.
2. **Motion Sensor Mode (AUTO button):**
    - When no motion is detected, the light maintains a low brightness level (5% illumination).

- Upon detecting motion (human movement only, not animals or objects), the light brightens to 165% for approximately 20 seconds.
- Detection distance is up to 8 meters with a 90° illumination angle.
- After 20 seconds of no further motion, the light returns to 5% brightness.

3. **Timer Function (3H, 4H, 6H buttons):**
    - Select 3H, 4H, or 6H on the remote control.
    - The light will operate at 100% brightness for the selected duration.
    - After the set time, the light will gradually dim and turn off.

Charging and Performance:

The integrated photovoltaic panels charge automatically using solar energy. No electricity or cables are required, resulting in zero electricity costs.

- **Charging Time:** 4-6 hours of direct sunlight.
- **Working Time:** Up to 14 hours on a full charge.



Image: Illustration showing the monocrystalline silicon solar panels absorbing sunlight, indicating no electricity cost. It also depicts the charging time of 4-6 hours and a maximum working time of 14 hours.

4. Maintenance

To ensure the optimal performance and longevity of your Aigostar solar street light, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the solar panel surface to remove dust, dirt, leaves, or snow. A clean panel ensures efficient charging. Use a soft, damp cloth.
- **Weather Resistance:** The light is IP65 waterproof, designed to withstand rain, humidity, and extreme weather conditions (temperatures from -10°C to 50°C). However, ensure the mounting is secure, especially in high winds.
- **Battery Performance:** The brightness and duration of the light will vary depending on the charge level. Ensure the installation location receives sufficient sunlight for consistent performance.
- **Recycling:** For information on recycling this and other types of lamps, please refer to local recycling guidelines.
- **Broken Lamps:** Learn how to clean and dispose of broken or damaged lamps safely by consulting local waste management regulations.



Image: The solar street light shown in various weather conditions (rain, snow, sun), highlighting its IP65 waterproof rating and resistance to extreme temperatures, ensuring multi-season outdoor use.

5. Troubleshooting

If you encounter issues with your Aigostar solar street light, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	◦ Insufficient solar charge. ◦ Light not activated. ◦ Remote control battery low or not working.	◦ Ensure the solar panel is clean and receives 4-6 hours of direct sunlight daily. ◦ Press and hold the ON/OFF button on the light unit for 3 seconds to activate. ◦ Check remote control batteries and replace if necessary.
Light is dim or turns off too quickly.	◦ Insufficient solar charge. ◦ Solar panel is dirty or obstructed. ◦ Battery degradation over time.	◦ Relocate the light to an area with more direct sunlight. ◦ Clean the solar panel regularly. ◦ Ensure the light is not set to a timer mode that ends early.

Problem	Possible Cause	Solution
Motion sensor not working correctly.	◦ Sensor obstructed or dirty. ◦ Light not in AUTO mode. ◦ Detection range issues.	◦ Clean the sensor lens. ◦ Ensure the AUTO button on the remote control has been pressed. ◦ Verify installation height and angle are within recommended parameters for optimal detection.

6. Specifications

Feature	Detail
Brand	Aigostar
Model Number	8433325416164
Product Dimensions	72.2 x 25.1 x 4.7 cm
Material	Stainless Steel, Aluminum
Color	Solar LED Street Lights (Lampioni Solari Led)
Maximum Compatible Power	300 Watts
Light Direction	LED
Power Source	Solar Powered
Switch Style	Remote Control
Switch Installation Type	Pole Mount
Bulb Type	LED
Luminous Flux	3000 lm
Color Temperature	6500 Kelvin (Cold Light)
Average Life	30000 Hours
Waterproof Rating	IP65
Motion Sensor Detection Distance	8 meters
Motion Sensor Illumination Angle	90°
Recommended Installation Height	3-6 meters

7. Warranty and Support

For any questions, technical support, or warranty claims, please contact Aigostar customer service through the retailer where you purchased the product. Keep your purchase receipt as proof of purchase.
You can also visit the official Aigostar store on Amazon for more information and support:Aigostar Store

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