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› Aigostar 50W LED Outdoor Street Light User Manual (Model 213275)

Aigostar 213275

Aigostar 50W LED Outdoor Street Light User Manual

Model: 213275 | Brand: Aigostar

1. INTRODUCTION

Thank you for choosing the Aigostar 50W LED Outdoor Street Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting product. Please read these instructions carefully before installation and retain them for future reference.

2. SAFETY INSTRUCTIONS

- Electrical Safety:** Always disconnect power at the main circuit breaker before attempting any installation, maintenance, or repair. Work with electricity can be dangerous and should only be performed by a qualified electrician.
- Proper Grounding:** Ensure the fixture is properly grounded to prevent electrical shock.
- Voltage Compatibility:** Verify that the supply voltage matches the requirements of the fixture (AC220-240V).
- Secure Mounting:** Mount the fixture securely to a stable surface capable of supporting its weight.
- Environmental Conditions:** Although the fixture is IP65 rated for outdoor use, avoid submerging it in water or exposing it to extreme conditions beyond its design specifications.
- Heat:** The LED fixture may become warm during operation. Do not touch the light surface directly when in use.
- Eye Protection:** Do not stare directly into the LED light source when it is illuminated, as this may cause eye strain or damage.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Aigostar 50W LED Outdoor Street Light (Model 213275)
- Mounting accessories (screws, anchors, etc.)
- Instruction Manual

4. PRODUCT OVERVIEW AND FEATURES

The Aigostar 50W LED Outdoor Street Light is designed for efficient and durable outdoor illumination. Key features include:

- High-Quality Construction:** Made from high-density aluminum alloy, offering excellent water resistance and impact protection (IK07).
- Energy Efficient:** Saves up to 80% on electricity bills compared to traditional lighting.
- Optical Lens Design:** Features optical lenses for powerful illumination, even at long distances, with an elliptical light distribution for comfortable, shadow-free lighting.
- Weatherproof:** IP65 waterproof rating ensures resistance to rain, wind, hail, and snow.

- **Long Lifespan:** Equipped with superior LED components and a robust die-cast aluminum housing, ensuring a lifespan of 30,000 hours.
- **Adjustable Bracket:** A 180° rotatable bracket allows for flexible adjustment of the illumination angle.



Figure 1: Product Dimensions. This image displays the overall dimensions of the Aigostar 50W LED Street Light, showing a height of 487mm (19.17in), a width of 151mm, and a depth of 88mm (3.46in) for the main light unit. The power cable length is 300mm (11.81in).



Figure 2: LED Array and Illumination. This image highlights the strong illumination provided by the LED chips and explains that the elliptical illuminating surface ensures broader coverage without shadow.



Figure 3: Key Product Specifications. This image summarizes the main electrical and lighting characteristics of the 50W LED Street Light, including voltage (AC220-240V), color temperature (6500K), color

rendering index (>80Ra), luminous flux (5000lm), beam angle (75°*130°), power factor (>0.9), and IP65 rating.

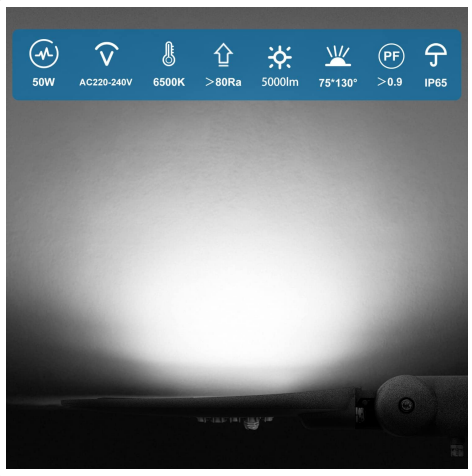


Figure 4: Light Distribution. This image illustrates the wide and even light spread pattern produced by the street light, demonstrating its effective illumination coverage.

5. SETUP AND INSTALLATION

The Aigostar LED Street Light offers versatile installation options. Professional installation is highly recommended to ensure safety and proper functionality.

5.1 Installation Methods

The fixture supports two primary installation methods:

- **Wall Mount:** Securely attach the fixture to a sturdy wall surface.
- **Pole Mount:** Mount the fixture onto a suitable pole. Ensure the pole diameter is compatible with the fixture's mounting bracket.

The integrated bracket allows for a 180-degree rotation, enabling precise adjustment of the light direction after mounting.



Figure 5: Installation Methods. This image demonstrates the two primary installation methods: mounting the light directly onto a wall or attaching it to a pole.



Figure 6: IP65 Waterproof Rating. This image visually confirms the IP65 waterproof rating, showing the light operating effectively under different weather conditions, including rain and snow, highlighting its suitability for outdoor environments.



Figure 7: Wide Applications. This image illustrates various suitable applications for the Aigostar LED Street Light, including parks, courtyards, sports fields, and parking lots, demonstrating its versatility for different outdoor lighting needs.

6. OPERATING INSTRUCTIONS

The Aigostar 50W LED Outdoor Street Light is designed for straightforward operation once installed.

- **Power On/Off:** The light is typically controlled by an external wall switch, timer, or photocell sensor connected to its power supply. Ensure the power source is correctly wired and configured.
- **Automatic Operation:** If connected to a photocell sensor, the light will automatically turn on at dusk and off at dawn. If connected to a timer, it will operate according to the programmed schedule.
- **Manual Control:** For manual operation, use the external switch connected to the fixture's power line.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your LED street light.

- **Cleaning:** Periodically clean the outer surface and lens of the fixture with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or lens. Ensure power is disconnected before cleaning.
- **Inspection:** Annually inspect the fixture for any signs of physical damage, loose mounting hardware, or frayed wiring. Address any issues promptly.
- **Electrical Connections:** If accessible and safe to do so, periodically check electrical connections for tightness and corrosion. Always

disconnect power before inspecting electrical components.

8. TROUBLESHOOTING

If you encounter issues with your Aigostar LED Street Light, refer to the following common problems and solutions:

- **Light Does Not Turn On:**
 - Check the main power supply and circuit breaker.
 - Verify that the external switch, timer, or photocell sensor is functioning correctly and is in the 'ON' position.
 - Inspect wiring connections for any looseness or damage (ensure power is off).
- **Light Flickers:**
 - Check for loose wiring connections at the fixture and power source.
 - Ensure the power supply is stable and not experiencing voltage fluctuations.
- **Reduced Brightness:**
 - Clean the lens surface to remove any dirt, dust, or debris that may be obstructing light output.
 - Ensure the fixture is receiving adequate voltage.

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

9. SPECIFICATIONS

Feature	Specification
Manufacturer	Aigostar
Item Model Number	213275
Product Dimensions (L x W x H)	48.7 x 15.1 x 8.8 cm
Item Weight	1.3 Kilograms
Brand	Aigostar
Color	Cool White Light, 6500K
Material	Aluminum
Style	Traditional
Fixture Shape	Path
Specific Product Uses	Garage, Garden
Power Source	Electric Cable
Special Feature	Waterproof
Light Source Type	LED
Number of Light Sources	1
Plug Type	Electric Cable
Features	Waterproof
Bulb Type	LED
Number of Bulbs	1

Feature	Specification
Voltage	230 Volts (AC)
Wattage	50 Watts
Waterproof Rating	IP65
Assembly Required	No

10. WARRANTY INFORMATION

This product comes with a standard manufacturer's warranty. Please refer to your purchase documentation or the official Aigostar website for specific terms, conditions, and duration of the warranty.

11. SUPPORT INFORMATION

For technical assistance, product inquiries, or warranty claims, please contact Aigostar customer support through their official website or the retailer where the product was purchased. Have your model number (213275) and purchase details ready when contacting support.

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