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› AMEC LED Street Light Osram 150 SMD Lamp User Manual

AMEC 150W SMD LED Street Light (B081TPVRGQ)

AMEC LED Street Light Osram 150 SMD Lamp User Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your AMEC LED Street Light Osram 150 SMD Lamp. Please read this manual thoroughly before using the product and retain it for future reference.

The AMEC LED Street Light is an energy-efficient lighting solution designed for outdoor illumination, featuring high-quality materials and long-lasting operational capability. It utilizes LED technology compliant with industry specifications and standards, operating at 150W and 220V.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing or maintaining electrical equipment to reduce the risk of fire, electric shock, or injury to persons.

- Ensure power is disconnected before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Do not operate the light if any part is damaged.
- Keep the light away from flammable materials.
- Do not look directly into the LED light source when it is illuminated.
- Use only specified voltage (220V) for operation.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- AMEC LED Street Light (1 unit)
- Mounting Bracket (1 set)
- Installation Hardware (screws, nuts, washers - quantity may vary)
- User Manual (this document)

4. SETUP AND INSTALLATION

The AMEC LED Street Light is designed for quick and secure mounting. Follow these steps for proper installation:

1. **Choose a Location:** Select a suitable pole or wall location that can support the weight of the light and provides optimal illumination coverage. Ensure the location is free from obstructions.
2. **Mount the Bracket:** Secure the mounting bracket to the chosen surface using appropriate screws and anchors (not always included, depending on surface type). Ensure the bracket is level and firmly attached.
3. **Attach the Light:** Carefully attach the AMEC LED Street Light to the mounting bracket. The light features an adjustable mechanism to angle the illumination as needed. Tighten all securing bolts to prevent movement.
4. **Electrical Connection:** Connect the light to a 220V power source. Ensure all wiring is done by a qualified electrician and complies with local electrical codes. Proper grounding is essential.
5. **Test Operation:** Once installed and wired, restore power and test the light's functionality.



Figure 4.1: The AMEC LED Street Light, showing its rectangular lamp head with multiple LED panels and the robust mounting arm designed for pole or wall attachment. The light features a grey casing and a sturdy bracket for secure installation.

5. OPERATION

The AMEC LED Street Light operates upon receiving power from its connected electrical source. There are no external controls on the unit itself for basic on/off functionality; this is typically managed by an external switch, timer, or photocell connected to the power circuit.

- **Power On/Off:** Control the light by switching the connected power circuit on or off.

- **Adjustable Lighting:** The light fixture allows for adjustment of the illumination angle during installation to optimize light distribution.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your AMEC LED Street Light.

- **Cleaning:** Periodically clean the light's surface and LED panels with a soft, damp cloth to remove dust and debris. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Annually inspect the mounting hardware and electrical connections for any signs of wear, corrosion, or loosening. Tighten any loose connections or bolts.
- **Damage:** If any part of the light or wiring appears damaged, discontinue use and contact a qualified technician for repair or replacement.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; Loose electrical connection; Faulty wiring; Damaged light fixture.	Check power source and circuit breaker. Ensure all connections are secure. Consult a qualified electrician to inspect wiring or replace the fixture if damaged.
Light is dim or flickers.	Insufficient power; Loose connection; Overheating; End of product life.	Verify stable 220V power supply. Check connections. Ensure proper ventilation around the fixture. If issues persist, the light may need replacement.
Light turns on/off randomly.	External sensor (photocell/timer) malfunction; Intermittent power supply.	Inspect external controls for damage or incorrect settings. Check for unstable power supply.

If the problem persists after attempting these solutions, contact a qualified technician or the manufacturer for assistance.

8. SPECIFICATIONS

Feature	Detail
Brand	AMEC
Model	150W SMD LED Street Light (ASIN: B081TPVRGQ)
Light Source Type	LED
Operating Power	150W
Voltage	220V
Light Color	White
Power Source	Corded Electric
Mounting Type	Quick Mount

Feature	Detail
Light Fixture Model	Floodlight
Special Feature	Energy Efficiency
Lighting Method	Adjustable (angle)
First Available Date	November 21, 2019

9. WARRANTY AND SUPPORT

Information regarding product warranty and customer support was not available in the provided product data. Please refer to the product packaging or the retailer's website for details on warranty coverage and how to contact customer service for technical assistance or support.

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