

## WHLED SB400

# WHLED 400W LED Parking Lot Light with Slip Fitter Instruction Manual

Model: SB400 | Brand: WHLED

## 1. INTRODUCTION

Thank you for choosing the WHLED 400W LED Parking Lot Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting fixture. This high-efficiency LED light is designed for commercial outdoor security and flood lighting applications, offering 56000 lumens of 5000K daylight illumination with a Type III distribution for wide coverage.



Image 1.1: The WHLED 400W LED Parking Lot Light, showcasing its robust design and LED array.

## 2. SAFETY INFORMATION

Please read and understand all instructions before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause property damage or personal injury.

- **Qualified Electrician:** Installation should be performed by a qualified electrician in accordance with all national and local electrical codes.
- **Power Disconnection:** Always disconnect power at the circuit breaker before installing or servicing the fixture.
- **Grounding:** Ensure the fixture is properly grounded to avoid potential electrical hazards.
- **Voltage Compatibility:** Verify that the supply voltage is compatible with the fixture's operating voltage (100-277V AC).
- **Mounting:** Mount the fixture securely to a structure capable of supporting its weight.
- **Operating Temperature:** The fixture is designed to operate within a temperature range of -4°F to 113°F (-20°C to 45°C).

## 3. PACKAGE CONTENTS

Carefully unpack the box and ensure all components are present and undamaged.

- WHLED 400W LED Parking Lot Light Fixture
- Adjustable Slip Fitter Mount
- Installation Hardware (screws, washers, etc.)

## 4. SPECIFICATIONS

Feature	Specification
Brand	WHLED
Model Number	SB400
Wattage	400W
Luminous Flux	56000 Lumens
Efficacy	140 lm/W
Color Temperature	5000K Daylight
Color Rendering Index (CRI)	80
Voltage	100-277V AC
Average Life	50,000 Hours
Material	Die-casting Aluminum
Finish	Painted (Bronze)
Waterproof Rating	IP65
Special Features	Photocell, Adjustable Light Direction, 10KV Surge Protection
Mounting Type	Slip Fitter (Pole Mount)
Product Dimensions	18.7 x 4.33 x 21.3 inches
Item Weight	17.26 pounds
Certification	ETL

# 400W LED Parking Lot Light Dimension



Image 4.1: Dimensional diagram of the 400W LED Parking Lot Light.

## 5. SETUP AND INSTALLATION

The WHLED 400W LED Parking Lot Light is designed for easy installation using the adjustable slip fitter mount. Ensure power is disconnected before proceeding.

### 5.1 Mounting the Slip Fitter

1. Identify the desired mounting location on a round pole.
2. Secure the slip fitter mount to the pole using the provided hardware. Ensure it is tightened firmly to prevent movement.
3. The slip fitter is designed to accommodate standard pole sizes. Refer to the diagram for specific dimensions.

### 5.2 Attaching the Light Fixture

1. Carefully slide the light fixture onto the secured slip fitter.
2. Align the fixture to the desired lighting angle. The fixture allows for adjustable light direction.
3. Tighten the screws on the slip fitter to firmly secure the light fixture in place.

### 5.3 Electrical Connection

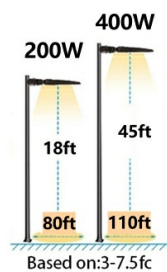
1. Connect the fixture's electrical wires to the main power supply wires according to local electrical codes. Typically, this involves connecting the live, neutral, and ground wires.
2. Ensure all connections are secure and properly insulated.
3. If equipped with a photocell, ensure it is positioned to receive ambient light for proper dusk-to-dawn operation.

## Lighting Anle Adjustable



Image 5.1: Illustration of the adjustable lighting angle and slip fitter mounting options.

## Typical Height of installation



Power	Equivalent	Installation	Coverage
200W	800W HID	18-28 ft	Dia 80ft
400W	1500W HID	35-50 ft	Dia 110ft

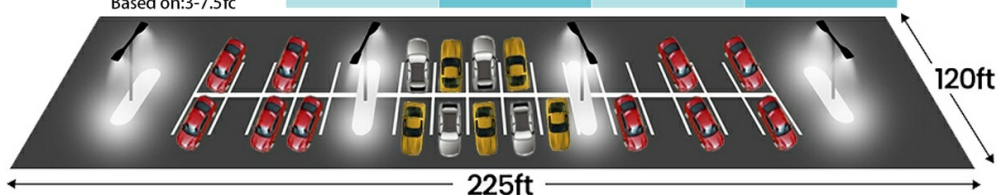


Image 5.2: Guide for typical installation height and corresponding coverage area for 200W and 400W models.

## 6. OPERATING INSTRUCTIONS

Once installed and power is restored, the WHLED 400W LED Parking Lot Light will operate automatically if a photocell is connected.

- **Automatic Operation:** The integrated photocell sensor enables dusk-to-dawn functionality, automatically turning the light on at dusk and off at dawn.
- **Manual Override:** If a photocell is not used, the light can be controlled via a standard wall switch or timer (not included).
- **Light Output:** The fixture provides 56000 lumens of bright 5000K daylight illumination, suitable for large outdoor areas.



# 400W LED Parking Lot Light

56000 Lumens    100-277 Voltage  
5000K Daylight    500000h Lifespan

 **10KV**  
Surge Protection

### TYPE III

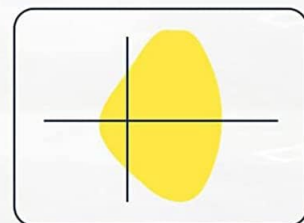
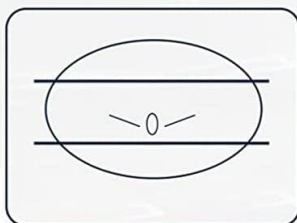


Image 6.1: Example of parking lot illumination, demonstrating Type III light distribution for wide coverage.

## 7. MAINTENANCE

The WHLED 400W LED Parking Lot Light is designed for minimal maintenance due to its durable construction and high IP65 waterproof rating.

- **Cleaning:** Periodically clean the lens and housing with a soft, damp cloth to remove dirt and debris that may accumulate and affect light output. Do not use abrasive cleaners or solvents.

- **Inspection:** Regularly inspect the fixture for any signs of damage, loose connections, or wear. Address any issues promptly.
- **Durability:** The die-casting aluminum structure provides excellent corrosion resistance and heat dissipation, ensuring long-term reliability in various weather conditions. The IP65 rating protects against dust and water ingress.

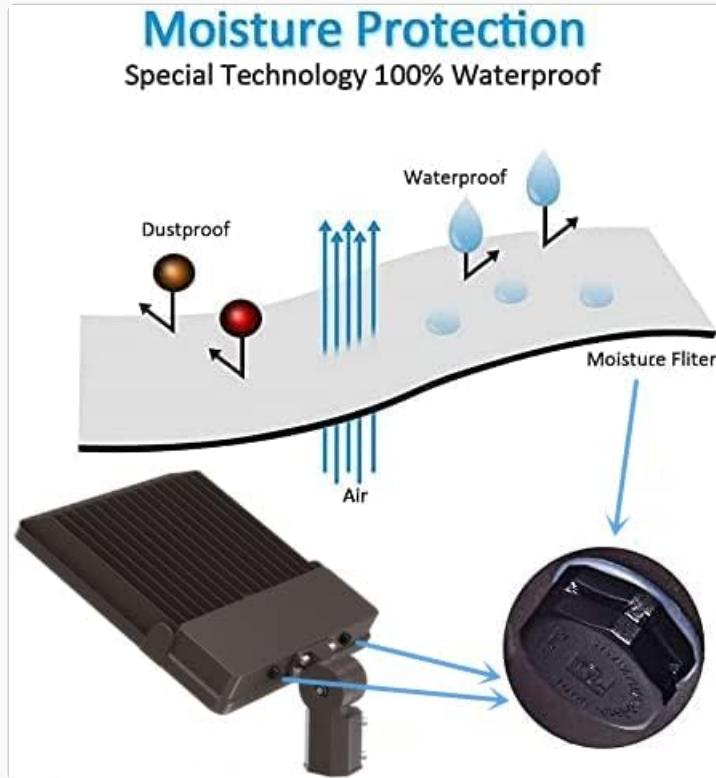


Image 7.1: Diagram illustrating the moisture protection technology, including a moisture filter for dust and water resistance.

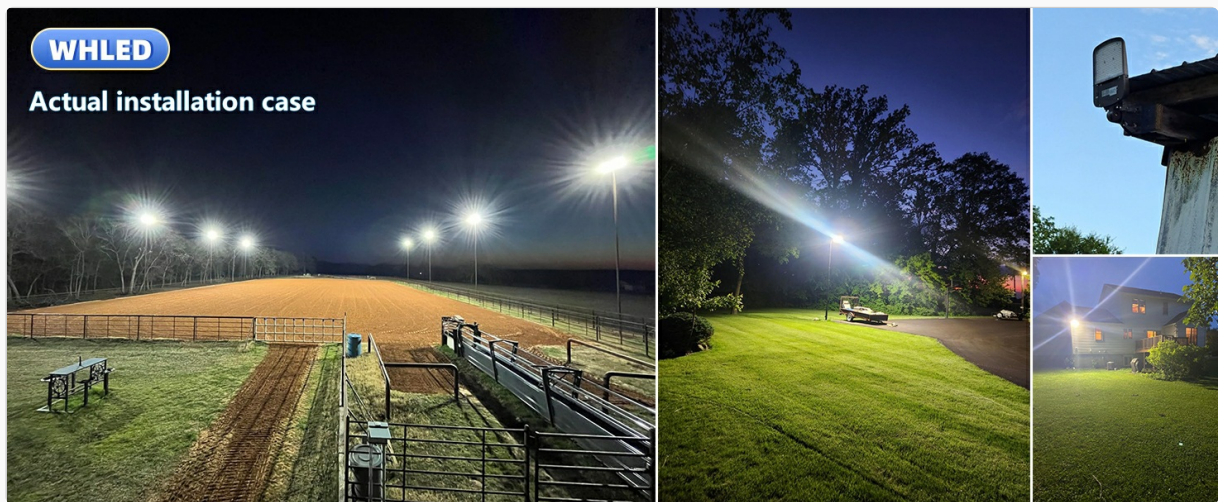


Image 7.2: The light fixture demonstrating resilience in various weather conditions, including rain, snow, and lightning.

## 8. TROUBLESHOOTING

If you encounter issues with your WHLED 400W LED Parking Lot Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on	No power supply Faulty wiring Photocell obstructed or faulty	Check circuit breaker and power source. Verify all electrical connections are secure. Ensure photocell is not covered and is functioning correctly.
Light flickers or is dim	Loose wiring connection Voltage fluctuation Fixture damage	Check and secure all wiring connections. Consult an electrician to check power supply stability. Contact customer support if damage is suspected.
Light stays on during the day	Photocell obstructed or faulty Light pollution affecting photocell	Ensure photocell is not covered and is clean. Relocate the fixture or shield the photocell from other light sources.
Light does not turn off at night	Photocell not installed or faulty Wiring error	Verify photocell installation and functionality. Check wiring connections for correct setup.

If these steps do not resolve the issue, please contact WHLED customer support for further assistance.

## 9. WARRANTY AND SUPPORT

WHLED provides a **5-year warranty** for this product from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Additionally, returns are accepted within 30 days of purchase.

For warranty claims, technical support, or any questions regarding your WHLED 400W LED Parking Lot Light, please contact WHLED customer service. Please have your purchase receipt and product model number (SB400) available when contacting support.

**Contact Information:** Refer to your purchase documentation or the WHLED official website for the most current customer support contact details.