

HYPERLITE 300W-57-SFM

HYPERLITE Parking Lot Light 300W User Manual

Model: 300W-57-SFM

1. IMPORTANT SAFETY INFORMATION

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

- **Electrical Safety:** All electrical connections must be made by a qualified electrician and conform to local and national electrical codes. Ensure power is disconnected at the source before any installation, maintenance, or troubleshooting.
- **Product Integrity:** Do not modify or alter the light fixture. Any modifications will void the warranty and may create safety hazards.
- **Environmental Conditions:** This fixture is rated IP65 for outdoor use, protecting against dust and water jets. However, avoid submerging the fixture in water.
- **Mounting:** Ensure the mounting surface or pole is structurally sound and capable of supporting the weight of the fixture. Use appropriate mounting hardware.
- **UL Certification:** This product is UL Certified, indicating it meets rigorous safety standards.

2. PRODUCT OVERVIEW

The HYPERLITE 300W LED Parking Lot Light is a high-performance outdoor lighting solution designed for various applications such as parking lots, driveways, roadways, stadiums, and parks. It features advanced LED technology, a durable construction, and smart functionalities like a dusk-to-dawn photocell.

Key Features:

- **High Brightness:** Delivers 45,000 Lumens at 5000K daylight white, equivalent to 1200W HPS/HID lighting.
- **Energy Efficiency:** 300W LED consumes significantly less energy than traditional lighting, offering substantial cost savings.
- **Dusk-to-Dawn Photocell:** Integrated photocell automatically turns the light on at dusk and off at dawn, optimizing energy usage.
- **Robust Construction:** Features an IP65 waterproof rating and a die-cast aluminum housing for excellent heat dissipation and durability in various weather conditions.

- **Surge Protection:** Equipped with 10KV surge protection to safeguard against electrical spikes.
- **Adjustable Mounting:** Comes with an adjustable slip fitter mount, allowing for 0-180° adjustment of the lighting direction.
- **UL Certified:** Ensures compliance with North American safety standards.

Components Included:

- HYPERLITE Parking Lot Light Fixture (300W-57-SFM)
- Slip Fitter Mount Kits
- Installation Instructions



Figure 2.1: The HYPERLITE 300W LED Parking Lot Light with its adjustable slip fitter mount and product packaging. This image illustrates the overall design and included components.



Figure 2.2: Key specifications of the light, including 300W power, 45,000 lumens, 5000K color temperature, and IP65 waterproof rating.



Figure 2.3: Physical dimensions of the light fixture, providing a sense of its size for planning installation.



Figure 2.4: Illustration of the light's durability features, including 10KV surge protection, die-cast aluminum housing, and IP65 waterproof rating, suitable for various weather conditions.

3. INSTALLATION INSTRUCTIONS

This section provides step-by-step instructions for installing your HYPERLITE Parking Lot Light. It is recommended that installation be performed by a qualified electrician.

3.1 Pre-Installation Checklist

1. Verify that the power supply is turned off at the circuit breaker before beginning any work.
2. Ensure you have all necessary tools: screwdriver, wire strippers, electrical tape, measuring tape, and a ladder or lift for high installations.
3. Confirm the mounting pole or surface is sturdy enough to support the fixture's weight (approximately 13.5 lbs).
4. Unpack the fixture and inspect for any shipping damage. Report any damage immediately.

3.2 Mounting the Fixture (Slip Fitter Mount)

1. Attach the slip fitter mounting bracket to the light fixture using the provided hardware.
2. Slide the slip fitter onto the round pole. The slip fitter is designed for poles with a diameter of approximately 2.36 inches (Ø2.36").
3. Secure the slip fitter to the pole by tightening the screws on the bracket. Ensure the fixture is firmly attached and does not wobble.
4. Adjust the angle of the light fixture as needed. The adjustable design allows for 0-180° rotation to direct light precisely. Tighten the adjustment bolts once the desired angle is achieved.



Figure 3.1: The adjustable slip fitter mount allows for precise aiming of the light, with a 0-180 degree range of motion.

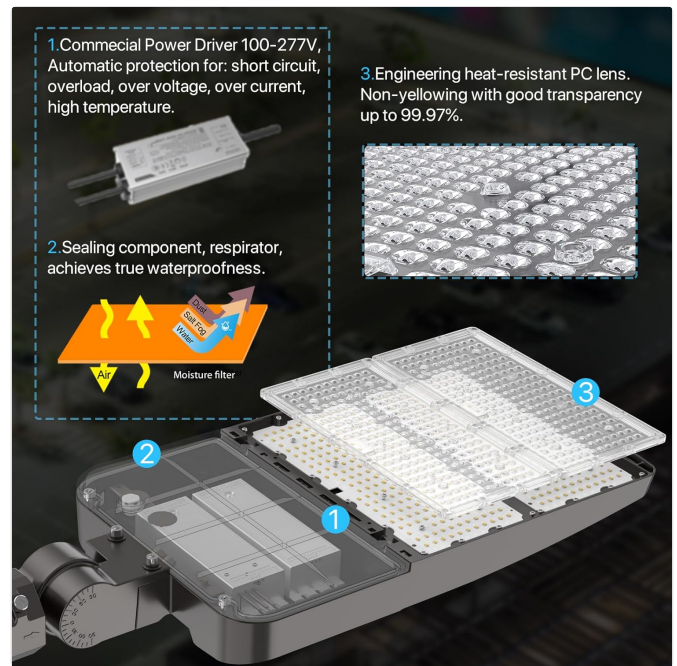


Figure 3.2: Internal structure highlighting the commercial power driver, sealing components for waterproofing, and the PC lens for light distribution.

3.3 Electrical Connections

The fixture operates on 100-277 Volts (AC). Follow standard electrical wiring procedures:

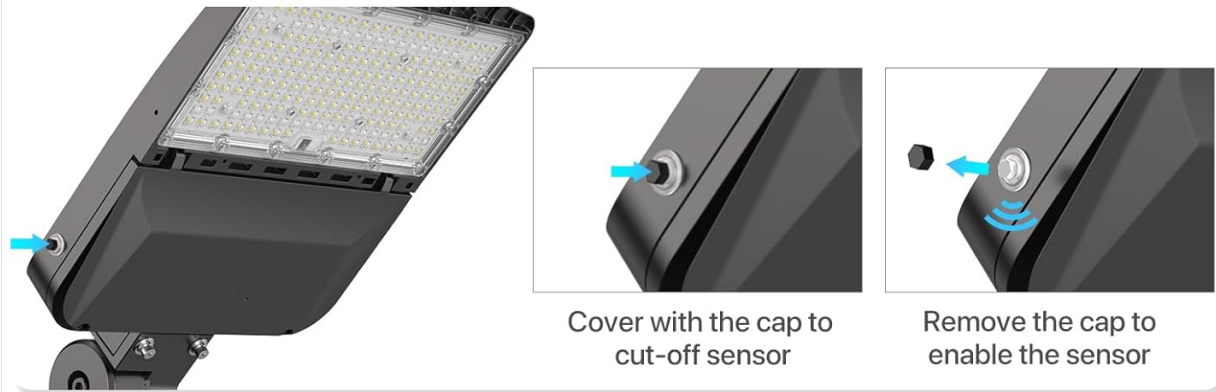
- Connect the **Black** wire from the fixture to the **Live/Hot** wire from the power supply.
- Connect the **White** wire from the fixture to the **Neutral** wire from the power supply.
- Connect the **Green** wire from the fixture to the **Ground** wire from the power supply.
- Ensure all connections are secure and insulated with electrical tape or wire nuts.

3.4 Photocell Setup

The integrated dusk-to-dawn photocell allows the light to operate automatically. The photocell sensor is located on the fixture.

- To enable the photocell function, ensure the small black cap is **removed** from the sensor.
- To disable the photocell function (e.g., for manual control or testing), place the small black cap **over** the sensor.

Dusk to Down Photocell



Automatically turn-off at daytime



Automatically turn-on at night

Figure 3.3: Instructions for enabling and disabling the photocell, and its automatic operation based on ambient light.

4. OPERATING INSTRUCTIONS

The HYPERLITE Parking Lot Light is designed for simple, automatic operation once properly installed.

4.1 Automatic Operation (Dusk-to-Dawn)

With the photocell enabled (cap removed), the light will automatically:

- **Turn ON:** When ambient light levels drop below a certain threshold (at dusk).
- **Turn OFF:** When ambient light levels rise above a certain threshold (at dawn).

This feature ensures optimal energy efficiency by only operating when illumination is required.

4.2 Manual Operation

If you wish to control the light manually (e.g., via a wall switch or timer), ensure the photocell is disabled by placing the black cap over the sensor. The light will then respond to the power supply's on/off state.

4.3 Dimmable Feature

The HYPERLITE Parking Lot Light is designed to be dimmable. To utilize this feature, a compatible external dimmer switch (not included) must be installed by a qualified electrician. Refer to the dimmer switch's instructions for proper wiring and operation.

5. MAINTENANCE

The HYPERLITE Parking Lot Light is designed for minimal maintenance due to its durable construction and IP65 rating. However, periodic checks can help ensure optimal performance and longevity.

- **Cleaning:** Periodically clean the lens and housing with a soft, damp cloth to remove dirt, dust, or debris that may accumulate and affect light output or photocell operation. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the fixture for any signs of physical damage, loose connections, or wear on the wiring. Ensure all mounting bolts remain tight.
- **Photocell:** Ensure the photocell sensor remains clear of obstructions (e.g., leaves, bird nests) that could interfere with its automatic operation.

Always disconnect power to the fixture before performing any maintenance.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your HYPERLITE Parking Lot Light.

Problem	Possible Cause	Solution
Light does not turn on.	<ul style="list-style-type: none">◦ No power to the fixture.◦ Photocell covered or faulty.◦ Incorrect wiring.◦ Faulty LED driver or LEDs.	<ul style="list-style-type: none">◦ Check circuit breaker and power connections.◦ Ensure photocell cap is removed (if automatic operation desired) and sensor is clean.◦ Verify wiring connections are correct (Live, Neutral, Ground). Consult a qualified electrician.◦ Contact customer support if power is confirmed and light still fails.
Light stays on during the day.	<ul style="list-style-type: none">◦ Photocell disabled (cap on).◦ Photocell obstructed or faulty.◦ Light source near photocell.	<ul style="list-style-type: none">◦ Remove the photocell cap.◦ Clear any obstructions from the photocell sensor.◦ Ensure no other light sources (e.g., another fixture, window light) are directly illuminating the photocell.

Problem	Possible Cause	Solution
Light flickers or dims unexpectedly.	<ul style="list-style-type: none">◦ Unstable power supply.◦ Loose wiring connection.◦ Incompatible dimmer (if used).◦ Internal component issue.	<ul style="list-style-type: none">◦ Check power supply stability.◦ Inspect and tighten all wiring connections.◦ Ensure dimmer is compatible with LED fixtures.◦ Contact customer support.

7. SPECIFICATIONS

Detailed technical specifications for the HYPERLITE Parking Lot Light 300W.

Attribute	Value
Brand	HYPERLITE
Model Number	300W-57-SFM
Wattage	300 watts
Brightness	45,000 Lumens
Color Temperature	5000K Daylight White
Voltage	100-277 Volts (AC)
IP Rating	IP65 Waterproof
Material	Die-cast Aluminum (Housing), Polycarbonate (Lens)
Product Dimensions (L x W x H)	20"L x 12"W x 3"H
Item Weight	13.47 pounds
Special Features	Dusk to Dawn Photocell, 10KV Surge Protection, Dimmable
Mounting Type	Adjustable Slip Fitter Mount
Average Life	50,000 Hours
Certifications	UL Certified

8. WARRANTY AND SUPPORT

HYPERLITE stands behind the quality of its products. The Hope series of LED area lights, including this 300W Parking Lot Light, comes with a reliable warranty.

- **Warranty Coverage:** Please refer to the specific warranty terms provided at the time of purchase or on the official

HYPERLITE website for detailed coverage information.

- **Customer Service:** For any questions regarding installation, operation, troubleshooting, or warranty claims, please contact HYPERLITE customer service. We are committed to providing high-end pre-sale, in-sale, and after-sales support.
- **Contact:** We aim to reply within 24 hours to ensure your satisfaction.

For the most up-to-date contact information, please visit the official HYPERLITE website or refer to your purchase documentation.

