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Lightdot LUFO-15

Lightdot 250W High Bay LED Shop Light Instruction Manual

Model: LUFO-15 | Brand: Lightdot

1. INTRODUCTION

Thank you for choosing the Lightdot 250W High Bay LED Shop Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting fixture. Please read these instructions thoroughly before installation and retain them for future reference.

2. SAFETY INFORMATION

- **Electrical Safety:** Always disconnect power at the circuit breaker before installing or servicing the fixture. Ensure all electrical connections comply with local and national electrical codes. If you are unsure about wiring, consult a qualified electrician.
- **Grounding:** The fixture must be properly grounded to prevent electrical shock.
- **Installation Environment:** This fixture is designed for indoor use in environments such as warehouses, workshops, exhibition halls, logistics centers, and shops. Ensure the installation location is suitable for the fixture's weight and dimensions.
- **Heat Dissipation:** Do not cover the fixture or obstruct its ventilation fins, as this can lead to overheating and reduced lifespan.
- **Eye Protection:** Avoid direct eye exposure to the light source when the fixture is operating, as it can cause discomfort or damage.
- **Handling:** Handle the fixture with care to avoid damage to the LED components or housing.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation. If any parts are missing or damaged, contact Lightdot customer support.

- 6 x Lightdot 250W High Bay LED Light Fixtures
- US Hooks & Safety Cables (for each fixture)
- Instruction Manual (this document)

4. SPECIFICATIONS

Feature	Specification
Brand	Lightdot
Model Name	LED High Bay Light
Model Number	LUFO-15
Wattage	250 Watts
Brightness	37500 Lumens
Efficiency	150 lumens per watt
Light Color	5000K Daylight
Voltage	100-277V AC
Material	Aluminum (Housing), Polycarbonate (Shade)
Product Dimensions	13" L x 13" W x 4" H
Item Weight	32 pounds (for 6-pack)
Installation Type	US Hooks
Special Feature	Energy Efficient, Plug&Play
Water Resistance Level	Waterproof (IP65 rated)
Certification	ETL Listed
Lifespan	50,000+ hours

5. SETUP & INSTALLATION

The Lightdot 250W High Bay LED Shop Light is designed for easy installation with its US hook and safety rope. It includes a 3.3ft extension cord with a US 3-PIN plug for direct connection to 100-277V AC power. The recommended installation height is between 18 to 23 feet for optimal illumination.

Installation Steps:

- 1. Prepare the Installation Area:** Ensure the power supply to the installation area is turned off at the circuit breaker. Identify a sturdy mounting point capable of supporting the fixture's weight.
- 2. Install Mounting Hardware:** Securely attach the provided US hook to your chosen mounting point. For added safety, install the safety cable to a separate, secure anchor point near the fixture.
- 3. Attach the Fixture:** Hang the high bay light fixture onto the installed US hook. Connect the safety cable to the designated loop on the fixture.
- 4. Connect Power:** Plug the 3-PIN power cord into a compatible 100-277V AC outlet. Ensure the connection is secure.
- 5. Restore Power:** Turn on the power at the circuit breaker. Test the light fixture.

Luminous Flux 150LM/W

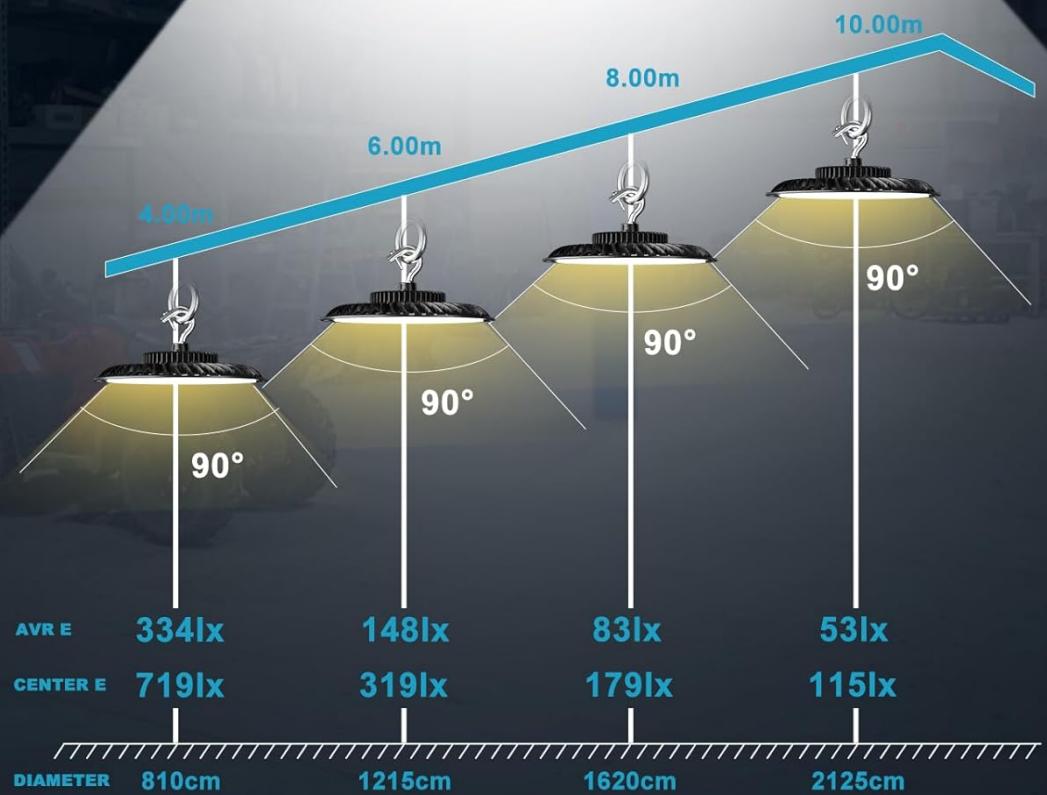


Figure 5.1: Installation components including the US hook, safety rope, and power cable.

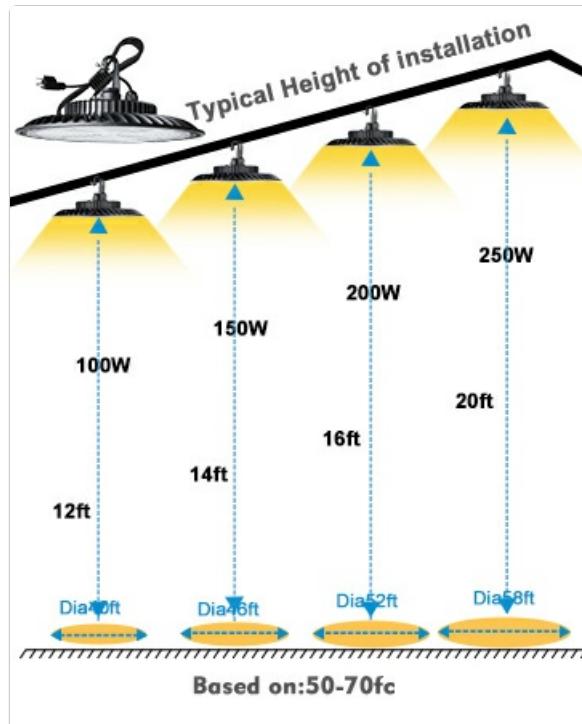


Figure 5.2: Detail of the US hook for secure hanging.



Figure 5.3: Detail of the safety rope attachment for additional security.

Installation Video Guide:

Your browser does not support the video tag.

Video 5.1: This video demonstrates the unboxing and installation process of the Lightdot LED High Bay Light, including attaching the hook and connecting the power.



Figure 5.4: Example of Lightdot High Bay LED Shop Lights installed in a warehouse setting.

6. OPERATING INSTRUCTIONS

The Lightdot 250W High Bay LED Shop Light is designed for simple operation. Once properly installed and connected to a power source, the light can be controlled via a standard wall switch or any compatible electrical control system connected to its power supply circuit.

- **Turning On:** Activate the electrical switch connected to the fixture's power supply. The light will illuminate instantly.
- **Turning Off:** Deactivate the electrical switch connected to the fixture's power supply. The light will turn off.

Super Bright Equivalent to 1000W HPS/MH lamp
Energy Saving Up to 85% on electricity bill



**250W
LED High Bay**



Heat-resistant PC Len
120°



High Quality SMD
3030 LED



High Light Efficiency
>150lm/W

Figure 6.1: Light distribution and recommended installation heights for optimal performance.

7. MAINTENANCE

The Lightdot 250W High Bay LED Shop Light requires minimal maintenance due to its durable construction and efficient design. The 100% aluminum housing with fin design ensures excellent heat dissipation, contributing to a long lifespan of over 50,000 hours.

- Cleaning:** Periodically clean the exterior of the fixture with a soft, dry cloth to remove dust and debris. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- Inspection:** Regularly inspect the power cord and mounting hardware for any signs of wear or damage. If any damage is found, disconnect power immediately and replace damaged components or consult a qualified technician.
- No User-Serviceable Parts:** There are no user-serviceable parts inside the fixture. Do not attempt to open or repair the unit, as this will void the warranty and could pose a safety risk.

Advanced Heat Dissipation

- ✓ Premium Aluminum Housing
- ✓ Air Vent Hollow Design
- ✓ Lifespan > 50000 Hours

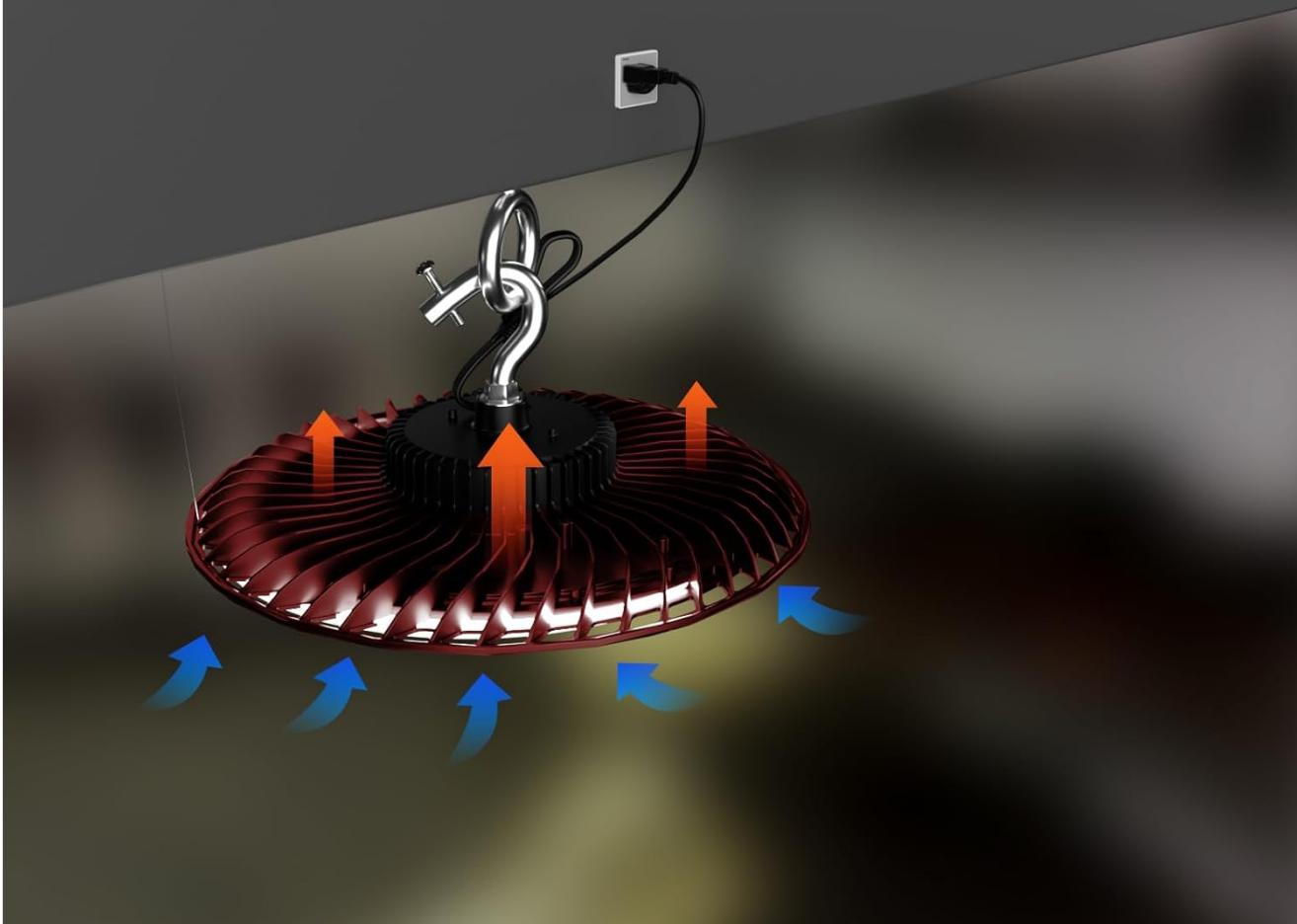


Figure 7.1: Advanced heat dissipation design for extended product life.

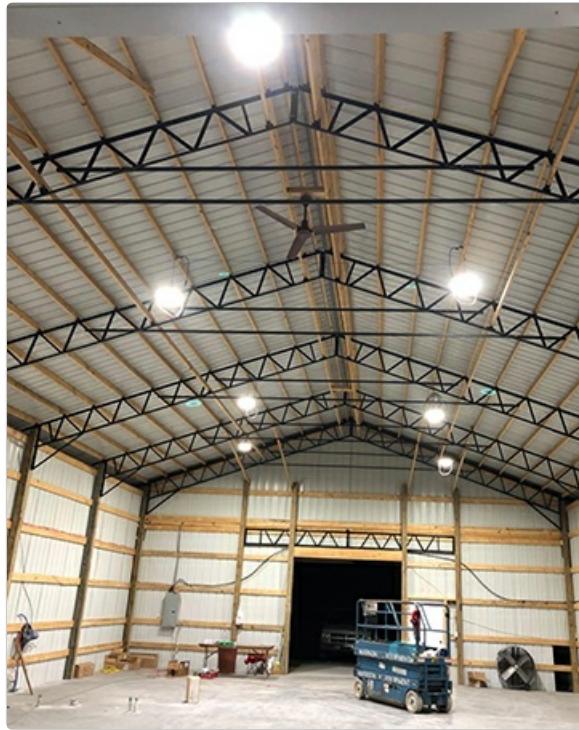


Figure 7.2: Detail of the heat dissipation fins.

8. TROUBLESHOOTING

If you encounter issues with your Lightdot 250W High Bay LED Shop Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Loose connection; Faulty switch/circuit breaker	Check power supply, ensure switch is ON. Verify all connections are secure. Inspect circuit breaker.
Light flickers or dims	Unstable power supply; Loose wiring; Overheating	Ensure stable power. Check wiring connections. Verify adequate ventilation around the fixture.
Reduced light output	Dust accumulation on lens; Aging LEDs	Clean the lens with a soft, dry cloth (power off). If LEDs are aging, replacement may be considered after warranty period.

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

9. WARRANTY & SUPPORT

Lightdot provides a **5-year quality support and warranty** for this product. This warranty covers defects in materials and workmanship under normal use and service conditions.

- **Warranty Claims:** To make a warranty claim, please contact Lightdot customer service with your purchase details and a description of the issue.
- **Exclusions:** The warranty does not cover damage caused by improper installation, misuse, abuse, unauthorized repairs, natural disasters, or normal wear and tear.
- **Contact Support:** For technical assistance, warranty inquiries, or any other questions, please refer to the contact information provided with your purchase or visit the official Lightdot website.

