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Lightdot LUFO-31

Lightdot 400W Smart High Bay LED Lights

Model: LUFO-31 (Smart 400W-4Pack)

Brand: Lightdot

1. INTRODUCTION

Thank you for choosing Lightdot 400W Smart High Bay LED Lights. This product is designed to provide powerful, energy-efficient illumination for large indoor spaces such as warehouses, workshops, exhibition halls, and logistics centers. Featuring advanced motion sensing capabilities and remote control, these lights offer both convenience and significant energy savings. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your product.



Image 1.1: Overview of Lightdot 400W Smart High Bay LED Lights and included remote control.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing or using electrical products to reduce the risk of fire, electric shock, or personal injury.

- Ensure the power supply is disconnected before installation, maintenance, or cleaning.
- This product is designed for indoor use in dry locations unless otherwise specified as waterproof.
- Do not attempt to modify or disassemble the light fixture. Refer all servicing to qualified personnel.
- Use only the specified voltage range (AC100-277V) for operation.
- Ensure the mounting structure can support the weight of the fixture.
- Always use the provided safety cable to prevent accidental falls.

3. PRODUCT FEATURES

- **Super Bright Illumination:** 400W high-efficiency LEDs delivering 60,000 lumens of 5000K daylight, replacing 1600W traditional high bay lights.
- **Energy Efficiency:** Reduces energy costs by up to 85% with instant full brightness.
- **Smart Motion Sensor:** Automatically activates at night when movement is detected and turns off when movement ceases.
- **Dual Lighting Modes:** Easily switch between constant light (Normal Mode) and motion-sensing mode using the remote control.
- **Adjustable Sensitivity:** Remote control allows tailoring motion detection range (5-30 ft) for various environments.
- **Plug-and-Play Installation:** Includes US hooks, safety cables, and a 3-pin plug for quick and easy setup without professional wiring.
- **Durable Construction:** Military-grade LED high bay lights with IP65 waterproof rating and less than 5% light decay over 50,000 hours. Features full pure aluminum housing and efficient thermal design for extended lifespan.



Image 3.1: Key features including 150Lm/W super brightness, 5000K daylight, 85% energy saving, 120-degree optical lens, and anti-glare properties.

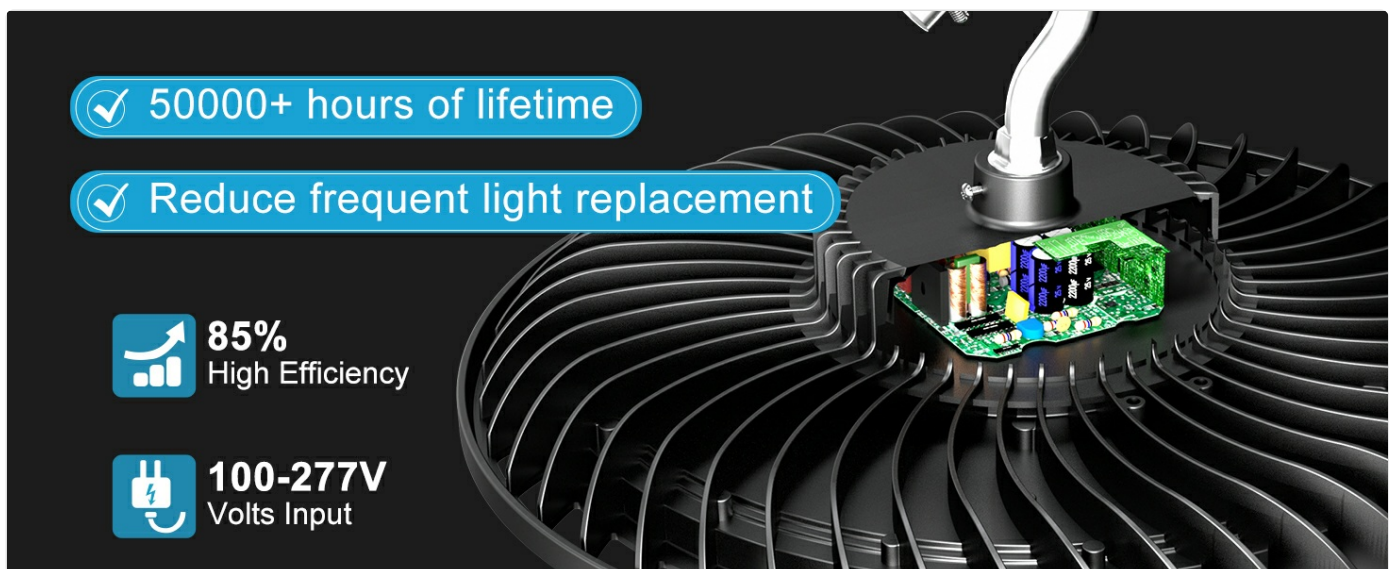


Image 3.2: Product benefits including 50,000+ hours of lifetime, reduced light replacement frequency, 85% high efficiency, and 100-277V input voltage.

4. WHAT'S IN THE BOX

- 4 x Lightdot LED High Bay Light fixtures

- Safety Cables
- US Hooks
- Remote Control
- Instruction Manual (this document)

5. SETUP & INSTALLATION

The Lightdot High Bay LED Lights are designed for simple plug-and-play installation. No complex wiring or professional electrician is required.

5.1 Physical Installation

1. **Attach Safety Rope:** Securely attach the provided safety rope to a sturdy point on the ceiling or mounting structure.
2. **Hang the Light:** Use the US hook to hang the light fixture from a suitable chain or J-hook on the ceiling. Ensure the hook is firmly secured.
3. **Plug into Outlet:** Connect the 3-pin US plug of the light fixture into a compatible AC100-277V power outlet.

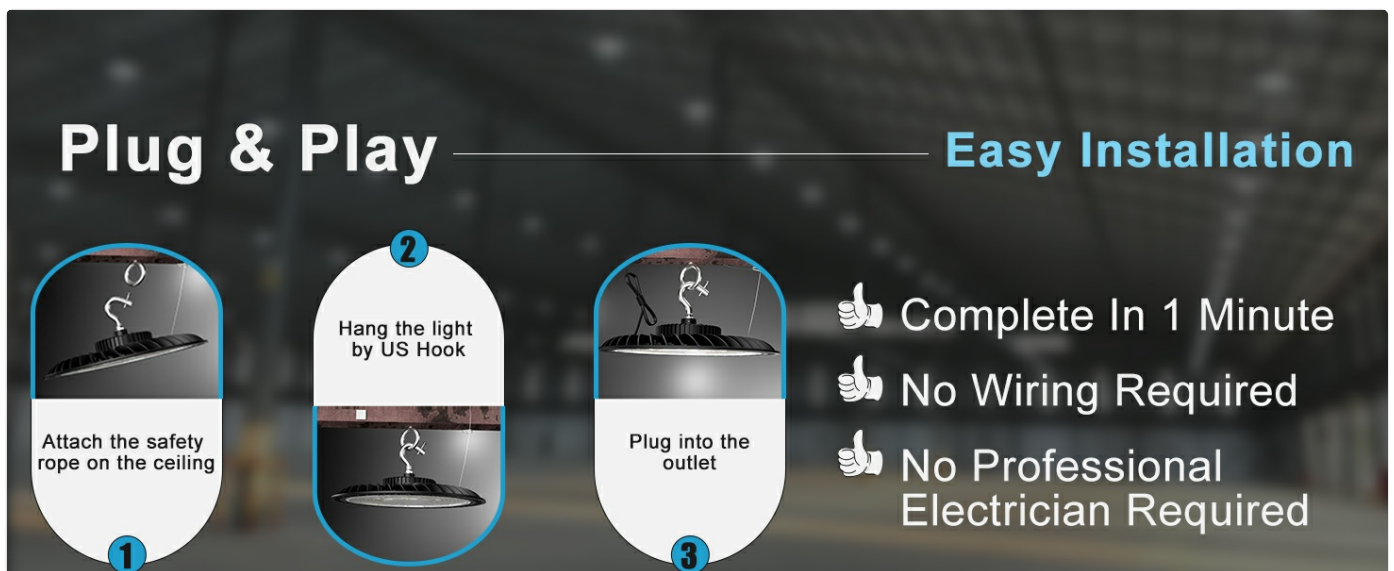


Image 5.1: Step-by-step guide for easy plug-and-play installation, showing attaching the safety rope, hanging the light, and plugging it into an outlet.



Image 5.2: Illustration of the safety rope, US hook, and 3-pin US plug for quick installation.

5.2 Remote Control Pairing

One remote control can manage multiple fixtures within a range of 49 feet. The remote has a memory function, retaining the last setting.

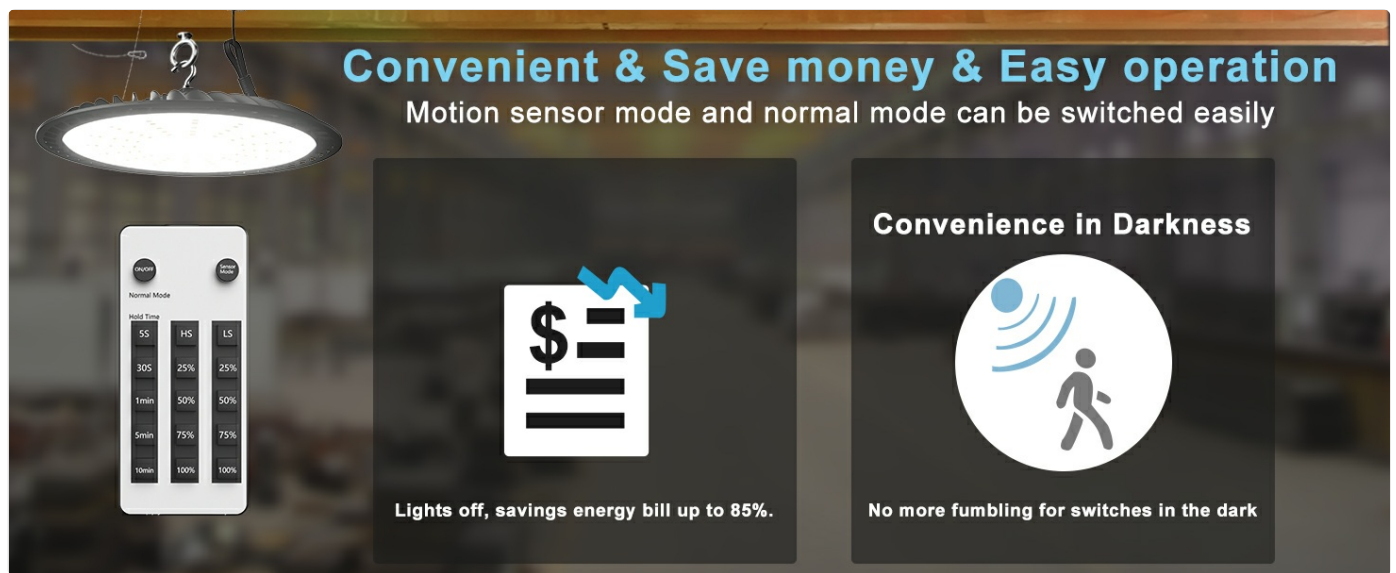


Image 5.3: Diagram showing how one remote can control multiple Lightdot fixtures to build a smart lighting system.

6. OPERATING INSTRUCTIONS

Your Lightdot High Bay LED Light offers two primary operating modes: Normal Mode (constant light) and Motion Sensor Mode.

6.1 Remote Control Functions

Smart-Upgraded Version

Remote Control Included

Note: Normal mode and energy saving mode can be switched freely, convenient, save money and easy operation.

ON/OFF

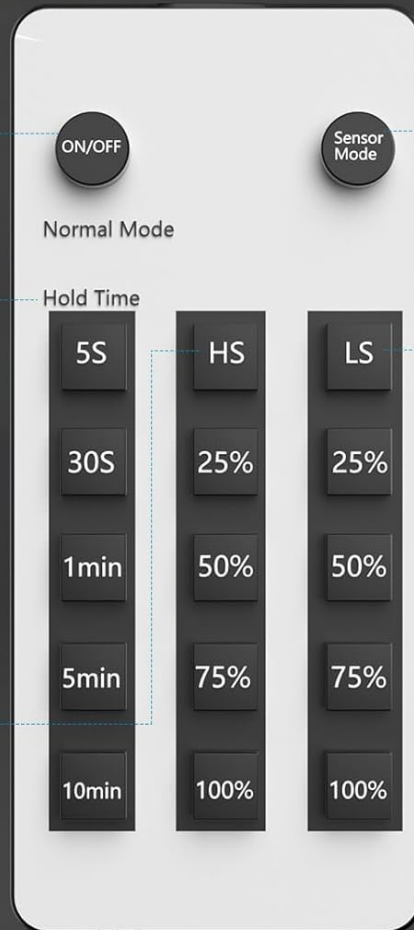
Press "ON/OFF" to enter Normal mode. (Switching ON/OFF)

Hold Time

Set hold time: 5S/30S/1min/5min/10min

HS

Set up high sensitivity, and select detect area: 25% 50% 75%



Sensor Mode

Press "Sensor Mode" to enter Motion sensor mode (Auto ON/OFF)

LS

Set up low sensitivity, and select detect area: 25% 50% 75%

Tips:

One remote can control multiple fixture, with memory function.

Image 6.1: Detailed view of the remote control with buttons for ON/OFF, Sensor Mode, Hold Time, High Sensitivity (HS), and Low Sensitivity (LS).

- **ON/OFF:** Press to enter Normal Mode (constant ON/OFF switching).
- **Sensor Mode:** Press to activate Motion Sensor Mode (Auto ON/OFF based on detection).
- **Hold Time:** Set the duration the light stays on after motion is detected (5S, 30S, 1min, 5min, 10min).
- **HS (High Sensitivity):** Set high sensitivity for motion detection and select detection area (25%, 50%, 75%, 100%).
- **LS (Low Sensitivity):** Set low sensitivity for motion detection and select detection area (25%, 50%, 75%, 100%).

6.2 Normal Mode

In Normal Mode, the light functions like a standard light fixture, turning on or off with the remote's ON/OFF button.

- To activate: Press the "ON/OFF" button on the remote control.
- The light will remain on until manually turned off.

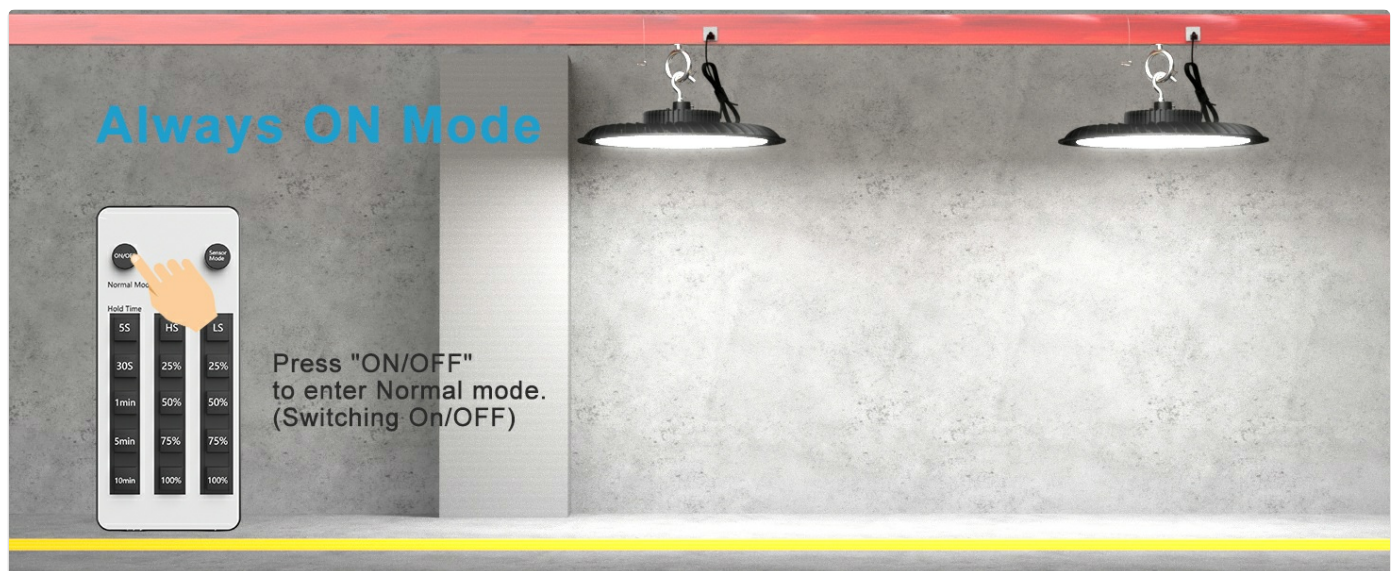


Image 6.2: Illustration of the Always ON Mode, activated by pressing the ON/OFF button on the remote.



Image 6.3: Example of the light operating in Always ON Mode within a gymnasium environment.

6.3 Motion Sensor Mode

In Motion Sensor Mode, the light automatically turns on when motion is detected and off after a set period of inactivity, saving energy.

- To activate: Press the "Sensor Mode" button on the remote control.
- The light will only activate at night when movement is detected and will turn off automatically when movement ceases. It stays off during daylight hours to conserve energy.
- Adjust **Hold Time** (5S, 30S, 1min, 5min, 10min) to set how long the light remains on after motion stops.
- Adjust **Sensitivity** (HS/LS) and detection area (25%, 50%, 75%, 100%) to fine-tune motion detection for your specific environment.

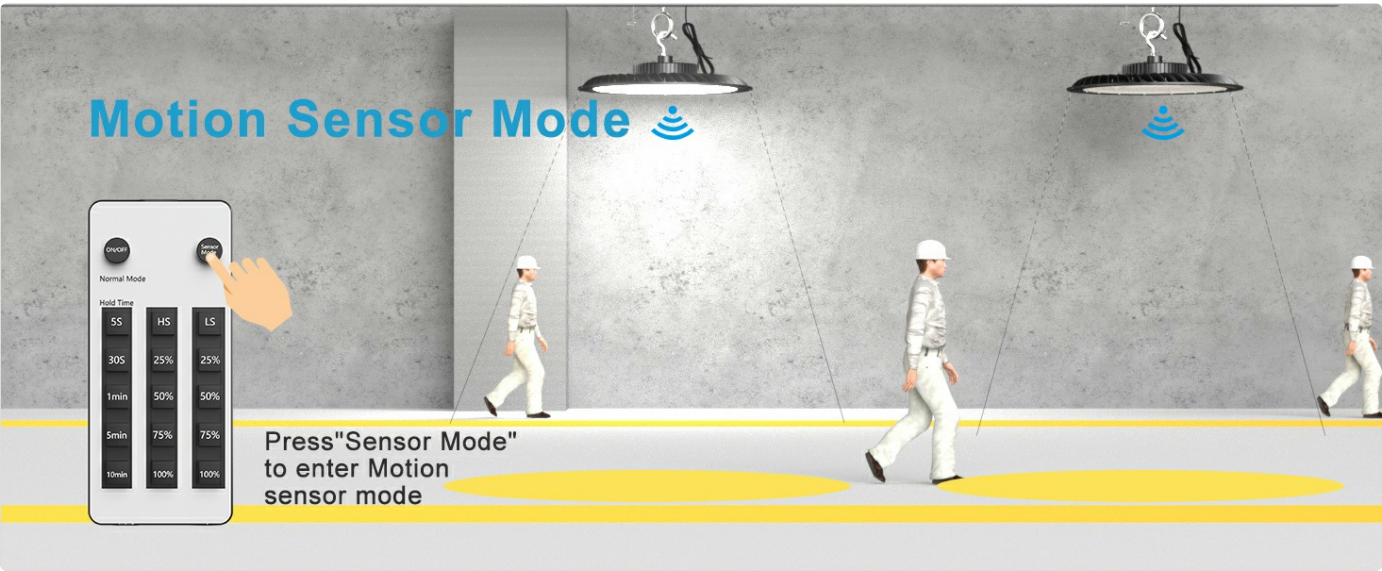


Image 6.4: Illustration of the Motion Sensor Mode, activated by pressing the Sensor Mode button, showing light activation upon detecting movement.



Image 6.5: Example of the light operating in Motion Sensor Mode in a warehouse setting, illuminating an area as a forklift moves.

A

B

C

Build Your Smart Light System

Allows fixtures in the range of 49FT to be connected to one remote

ON/OFF

Sensor Mode

Normal Mode

Hold Time

5S	HS	LS
30S	25%	25%
1min	50%	50%
5min	75%	75%
10min	100%	100%

Image 6.6: Table detailing default settings for the Microwave Sensor: 100% Detection Area, 1 Minute Hold Time, and 150 Lux Light Sensitivity.

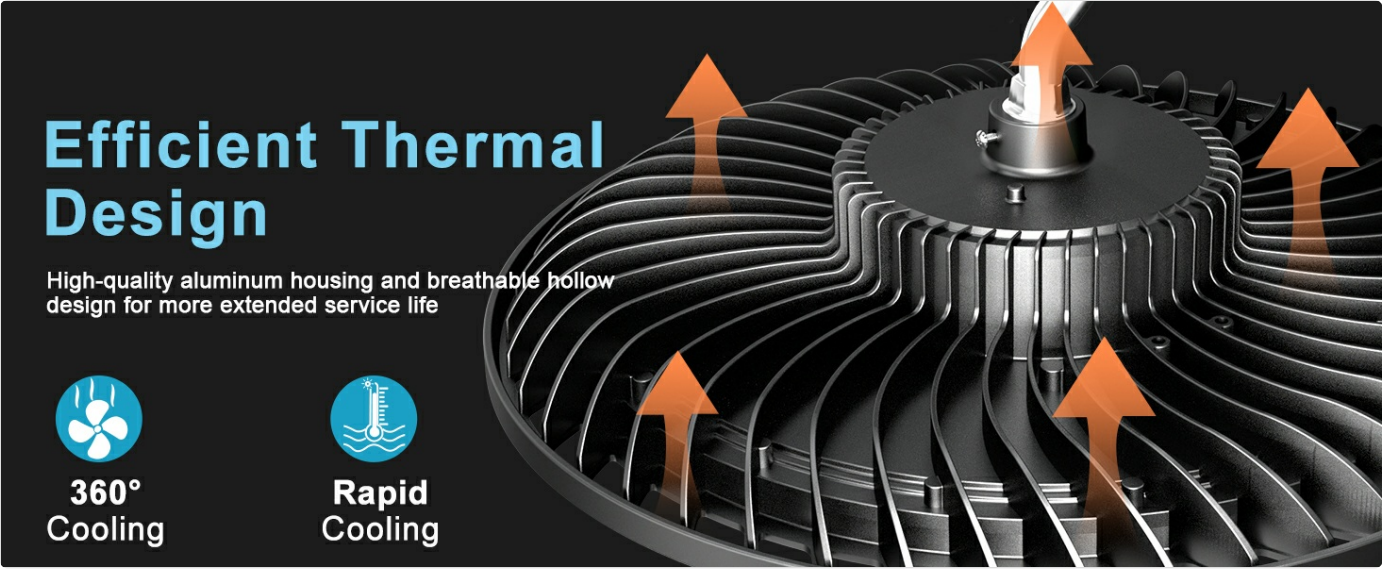
7. SPECIFICATIONS

Specification	Value
Brand	Lightdot
Model Name	LED High Bay Light (LUFO-31)
Size	Smart 400W-4Pack
Wattage	400 watts
Brightness	60000 Lumens
Light Color	5000K Daylight
Voltage	100-277 Volts AC
Material	Aluminum
Finish Type	Painted
Product Dimensions	35"L x 35"W x 6"H
Item Weight	16 Pounds (for 4-pack)
Indoor/Outdoor Usage	Indoor
Water Resistance Level	Waterproof (IP65)
Special Feature	Energy Efficient, Motion Sensor, Remote Control
Installation Type	US Hook (Suspension Mount)
Lifespan	50,000+ hours
Certification	ETL

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Lightdot LED High Bay Lights.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the exterior of the fixture. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the mounting hooks, safety cables, and power cords for any signs of wear or damage. Ensure all connections are secure.
- **Heat Dissipation:** Ensure adequate airflow around the fixture for proper heat dissipation. Do not obstruct the cooling fins.



Efficient Thermal Design

High-quality aluminum housing and breathable hollow design for more extended service life



**360°
Cooling**



**Rapid
Cooling**

Image 8.1: Illustration of the efficient thermal design with 360° cooling and rapid cooling capabilities, crucial for product longevity.

9. TROUBLESHOOTING

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


Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Remote control battery low. Light in Sensor Mode during daylight.	Check power connection and outlet. Replace remote control battery. Switch to Normal Mode or wait for darkness.
Motion sensor not working.	Light in Normal Mode. Sensor sensitivity too low. Obstruction blocking sensor.	Switch to Sensor Mode. Increase sensor sensitivity via remote (HS). Clear any objects blocking the sensor's view.
Light turns off too quickly/slowly.	Hold Time setting incorrect.	Adjust Hold Time setting on the remote control.
Light flickers or dims unexpectedly.	Unstable power supply. Fixture overheating.	Ensure stable power source. Check for proper ventilation around the fixture.

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

10. WARRANTY & SUPPORT

Lightdot provides a 6-year protection for this product. Our customer-centric philosophy ensures premium quality control from industrial-grade materials to rigorous performance testing. Enjoy responsive 24/7 support and hassle-free assistance.

For technical assistance, warranty claims, or any inquiries, please contact Lightdot customer service through the official channels provided at the point of purchase or on the Lightdot website.



Lightdot

Visit the Lightdot storefront

★★★★★
98% positive in the last 12 months (187 ratings)

7-Year Store

Protected by A-to-z Guarantee
The Amazon A-to-z Guarantee protects you when you purchase items sold and fulfilled by a third party seller. [Read more](#)


About Seller

★★★★★
Bright awesome perfect for 30x50 building

Reviewed in the United States on November 22, 2023

Size: 300W -4Pack | **Verified Purchase**

3 foot or 1 meter long power cord with a simple cable safety line. I have 20 ft ceiling and these are perfect and they are the 35000



Bright Awesome

★★★★★
Powerful lights

Reviewed in the United States on March 11, 2023

Size: 150W -8Pack | **Verified Purchase**

Love the power of these lights. Been using them for years and never had an issue. This is my 4th time buying these. I have a business in renting out large tents for event, many clients prefer lots of light for their event and these lights work perfect
One person found this helpful

High Repurchase Rate

Helpful | Report

★★★★★
Great Product

Reviewed in the United States on November 27, 2022

Size: 300W -4Pack | **Verified Purchase**

These are great lights. Great light output! I've installed a lot of hangar/warehouse lighting over the years. These are very easy to install. I chose to simply attach the power cable directly to 4-square boxes and hard wire them to the lighting wiring. You could also install a plug on the cable and add an outlet at the box for each fixture. Direct wiring was just cheaper and easier. They do run a bit warm, but not hot. I will definitely use these again.

Great Product

★★★★★
Massive Hail Storm demonstrates Excellent quality and unbelievable customer service!

Reviewed in the United States on August 24, 2022

Size: 200FT | **Verified Purchase**

We bought 2 sets of these lights and strung them outside - nice brightness, the plastic bulbs lend a more solid feel to them - so all good.

Then, a week later, we had a 20 minute hail storm - golf ball size hail which destroyed our roof, car windows and some siding - and even though the lights were smashed repeatedly, only 3 of the bulbs and 3 receptacle were damaged. AND BOTH STRANDS STILL WORKED!!!!

So we contacted customer service to see about getting 3 little receptacles to attach to the strands - they responded quickly and decided to send me a complete replacement set of lights to make it more simple for me!! Who does that anymore?

Good Customer Service


DURABLE


BRIGHT


RELIABLE



Image 10.1: Representation of Lightdot's commitment to quality and trust, including certifications.