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.
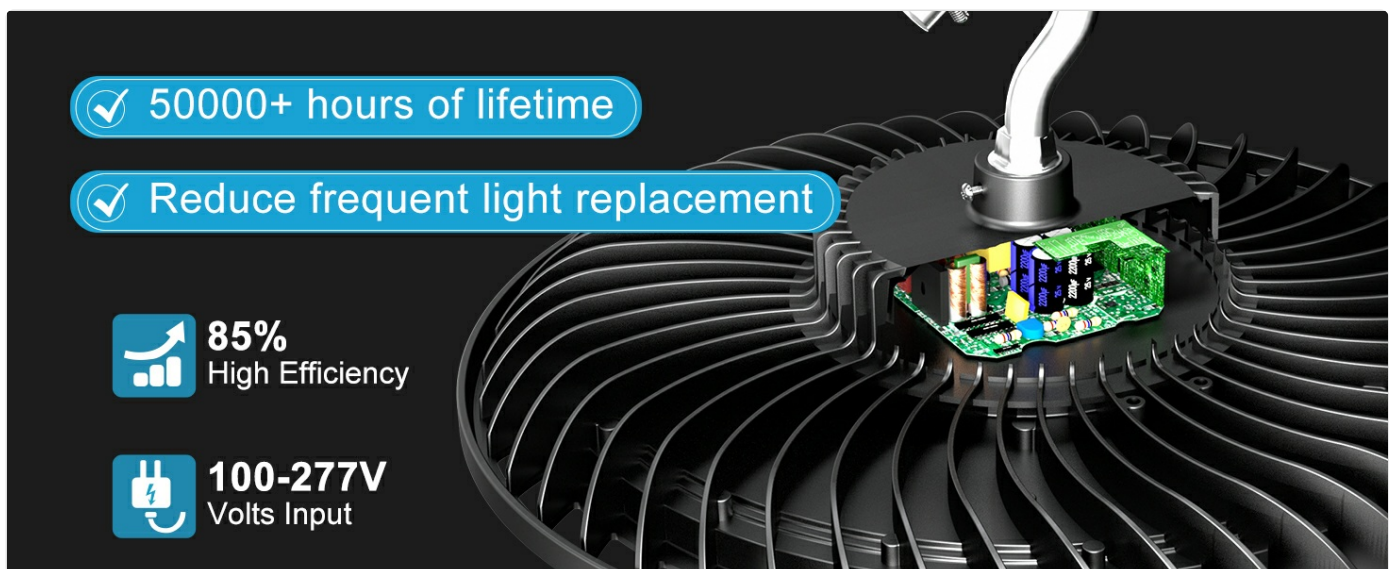

Image 3.2: Product benefits including 50,000+ hours of lifetime, reduced light replacement frequency, 85% high efficiency, and 100-277V input voltage.

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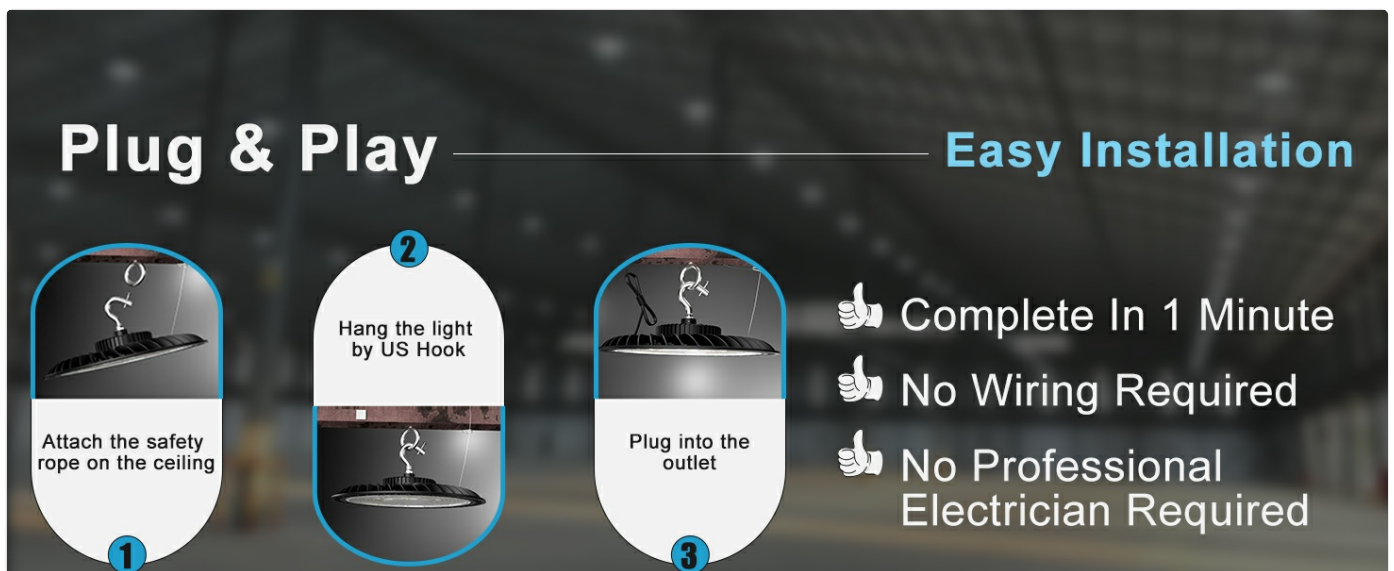
Image 5.1: Step-by-step guide for easy plug-and-play installation, showing attaching the safety rope, hanging the light, and plugging it into an outlet.

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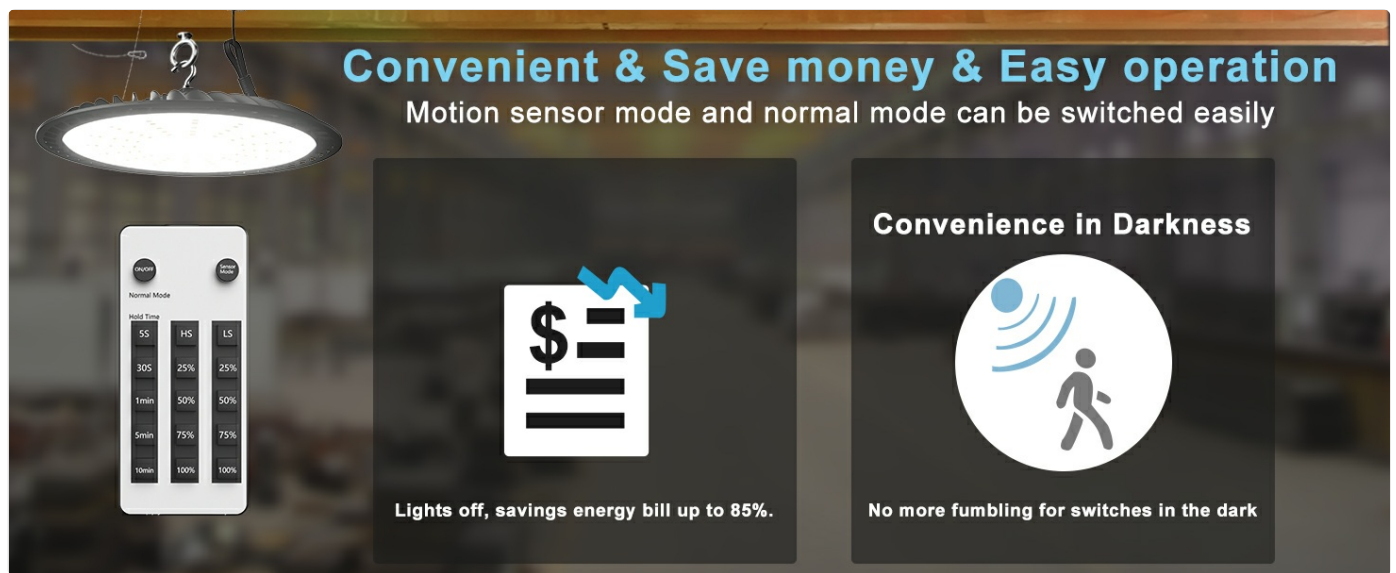
Image 5.3: Diagram showing how one remote can control multiple Lightdot fixtures to build a smart lighting system.

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

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.
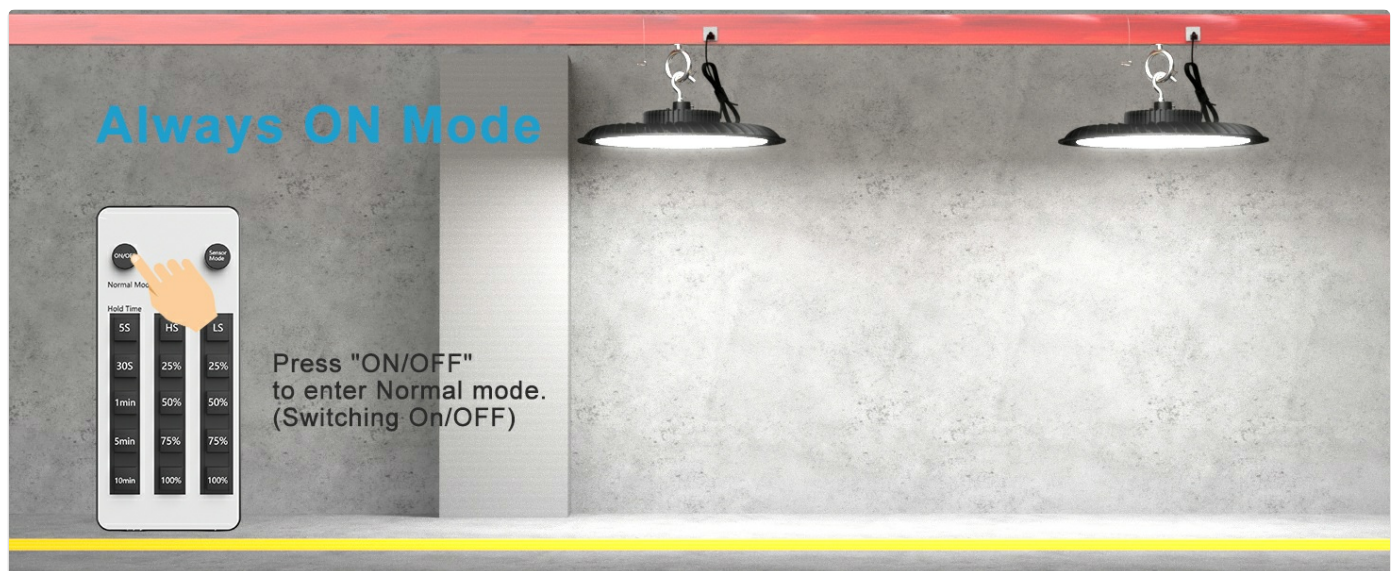- The light will remain on until manually turned off.

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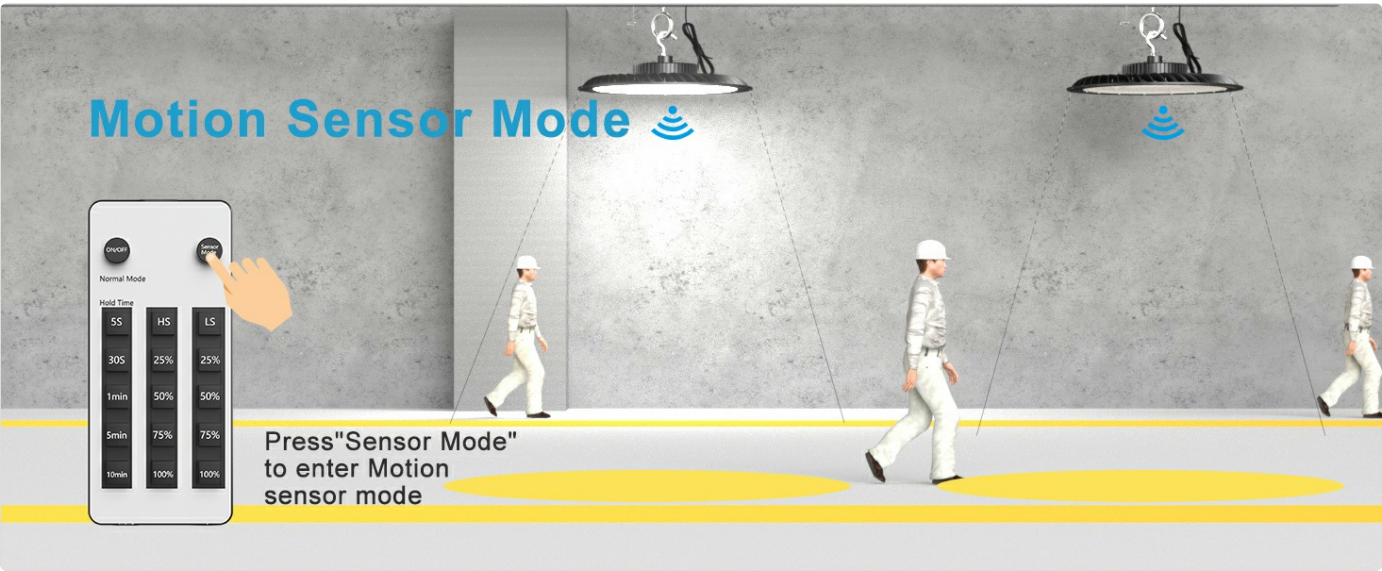
Image 6.4: Illustration of the Motion Sensor Mode, activated by pressing the Sensor Mode button, showing light activation upon detecting movement.

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

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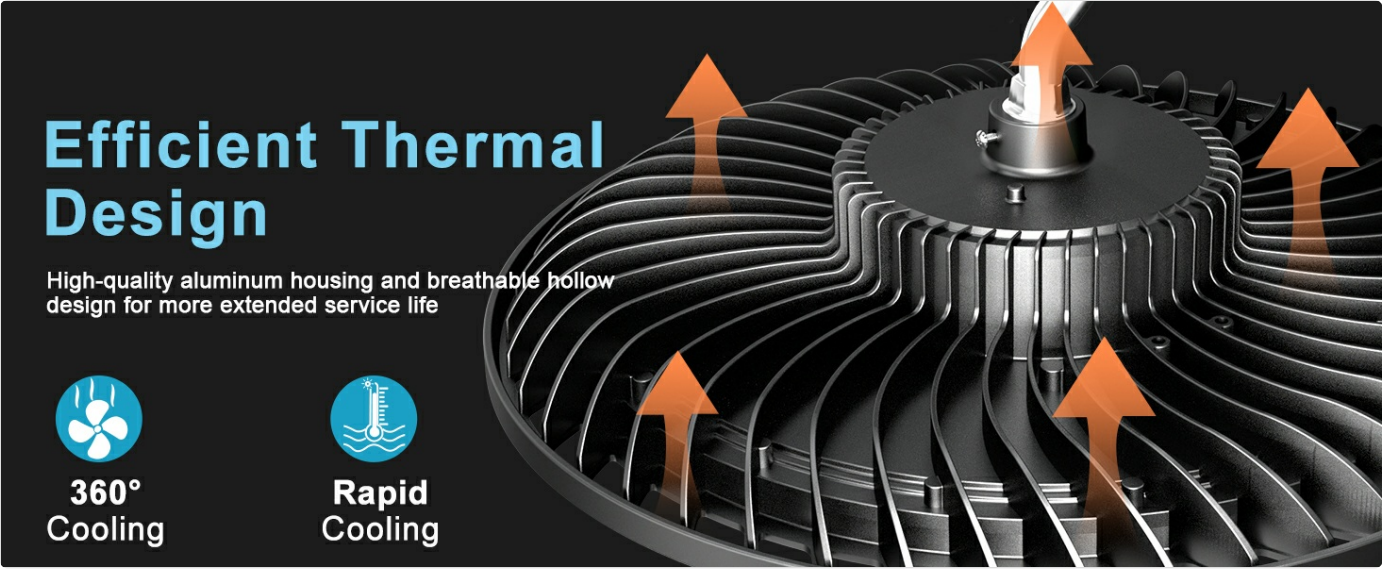
Image 8.1: Illustration of the efficient thermal design with 360° cooling and rapid cooling capabilities, crucial for product longevity.

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.

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