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› [Lightdot](#) /

› [Lightdot 2FT 200W LED Linear High Bay Light Instruction Manual](#)

## Lightdot HB-M07-NEW

# Lightdot 2FT 200W LED Linear High Bay Light Instruction Manual

Model: HB-M07-NEW

## 1. INTRODUCTION

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Thank you for choosing the Lightdot 2FT 200W LED Linear High Bay Light. This product is designed to provide high-efficiency, ultra-bright illumination for various commercial and industrial spaces. This manual contains important information regarding the safe installation, operation, and maintenance of your new lighting fixture. Please read it thoroughly before installation and retain it for future reference.

## 2. SAFETY INFORMATION

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**WARNING:** To prevent electric shock, fire, or injury, always read and follow all instructions and warnings before installation. Installation should be performed by a qualified electrician in accordance with all applicable national and local electrical codes.

- Disconnect power at the circuit breaker before installation or servicing.
- Ensure the supply voltage is compatible with the fixture's operating voltage (100-277V AC).
- Do not install on surfaces that are not structurally sound.
- Do not look directly into the LED light source when illuminated.
- Keep flammable materials away from the fixture.
- Ensure all connections are secure and properly insulated.
- This fixture is intended for indoor use only.

## 3. PACKAGE CONTENTS

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Verify that all components are present and undamaged upon opening the package. If any parts are missing or damaged, contact Lightdot customer support.

- 2FT LED High Bay Lights (2 units)
- Flush & Suspended Mount Kit (includes T-mounts, M5 anti-drop safety lock, 24-inch steel cable, screws, wall plugs)

## 4. PRODUCT FEATURES

- **High Efficiency:** 200W power, delivering 28000 lumens of 5000K daylight white light (140 LM/W).
- **Energy Savings:** Equivalent to 800W MH/HPS or 6-lamp T8 high bays, reducing energy consumption by up to 80%.
- **Advanced Driver:** Equipped with a 2025 upgraded non-flicker, non-hum LED driver for stable performance and a 50,000+ hour lifespan.
- **Durable Construction:** Heavy-duty solid steel housing for excellent heat dissipation and a milky anti-yellowing cover.
- **Wide Voltage Compatibility:** Operates on 100-277V AC, suitable for most North American commercial/industrial power supplies without an extra transformer.
- **Linear Design:** 2FT linear design provides a larger luminous area, covering approximately 2X more space than traditional UFO high bays, minimizing dark spots.
- **High Color Rendering:** CRI 90 ensures true-to-life color rendering.
- **Flexible Mounting:** Supports both suspended installation (for high ceilings) and flush mounting (for lower spaces).

# 200WLED Linear High Bay



**AC 100-277V**  
Commercial Grade



**140LM/W**  
High Efficiency



**800W**  
Brightness Equivalent



**6 Lamp T8**  
6 Lamp T8

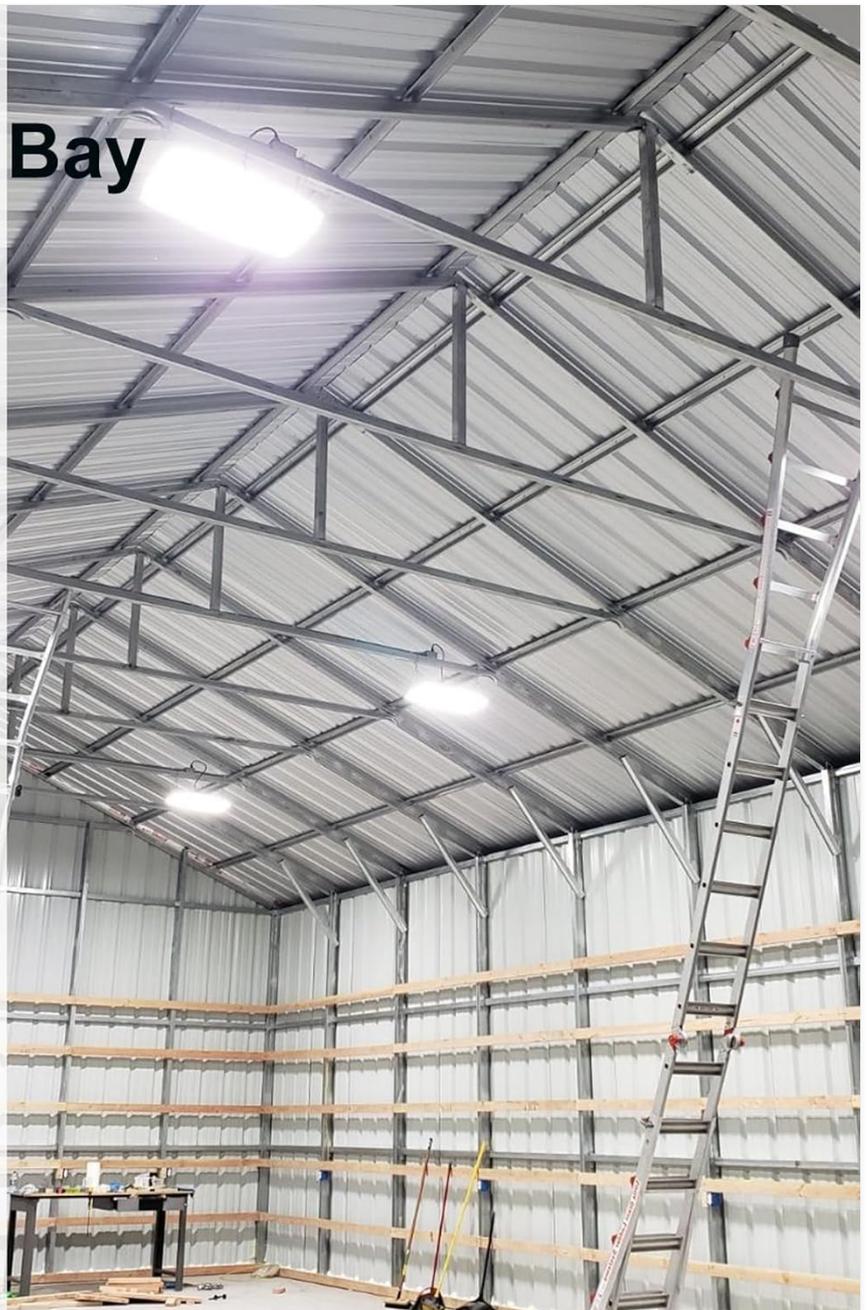


Image 1: Lightdot 2FT 200W LED Linear High Bay Light installed in a warehouse setting, illustrating its bright and wide illumination. Features include 200W LED, AC 100-277V, 140LM/W efficiency, and 800W brightness equivalent.

**Height-Adjustable**

**24 In**

**12.8 In**

**VS**

**Fixed UFO Limits**

**1FT**

**X**

Cannot adapt to uneven ceilings/  
varying rack heights

**1.5K Lighting Cover VS UFO Lights**

Same Area, **33%** Fewer Fixtures.

<b>Luminous Area</b>	<b>2 Sq.FT</b>	<b>1 Sq.FT</b>
<b>Coverage Area</b>	<b>2100 Sq.FT</b>	<b>1400 Sq.FT</b>

Image 2: A visual comparison between the Lightdot 2FT linear high bay light (24x12.8 inches) and a traditional 1FT UFO high bay light. The linear design offers height adjustability and a larger luminous area (2 sq ft vs 1 sq ft) and coverage area (2100 sq ft vs 1400 sq ft) for the same wattage.



Image 3: A collage demonstrating various applications for the Lightdot LED High Bay Lights, including barns, garages, stadiums, and workshops, highlighting their versatility in different commercial and industrial environments.

## 5. INSTALLATION INSTRUCTIONS

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The Lightdot 2FT 200W LED Linear High Bay Light offers both suspended and flush mounting options. All necessary hardware is included for a 3-step setup.

### 5.1. Before You Begin

- Turn off power at the circuit breaker.
- Ensure the mounting surface can support the weight of the fixture.
- Gather necessary tools: screwdriver, wire strippers, drill (if needed for mounting).

### 5.2. Suspended Installation (for high ceilings)

1. Attach the T-mounts to the top of the fixture.
2. Securely fasten the 24-inch steel cable to the T-mounts and to a sturdy ceiling structure. Ensure the fixture is level.

3. Connect the M5 anti-drop safety lock for additional security.
4. Proceed to wiring (Section 5.4).

### 5.3. Flush Mounting (for lower spaces)

1. Mark the desired mounting locations on the ceiling or wall.
2. Drill pilot holes if necessary and insert wall plugs.
3. Securely attach the fixture directly to the surface using the provided screws.
4. Proceed to wiring (Section 5.4).

### 5.4. Wiring

- Connect the fixture's black wire to the live (L) wire from the power supply.
- Connect the fixture's white wire to the neutral (N) wire from the power supply.
- Connect the fixture's green/yellow wire to the ground (GND) wire from the power supply.
- Ensure all connections are tight and covered with appropriate wire connectors.



Image 4: A diagram illustrating recommended installation heights (15-30 feet) for the Lightdot LED High Bay Light, along with a table showing power equivalents, typical installation heights, coverage areas, and beam angles. Another table provides guidance on the

number of LED lights needed based on room dimensions.

## 6. OPERATING INSTRUCTIONS

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Once the fixture is securely installed and wired according to the instructions, restore power at the circuit breaker. The light can then be controlled via a standard wall switch connected to the circuit. This fixture is designed for continuous operation in appropriate environments.

## 7. MAINTENANCE

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The Lightdot LED Linear High Bay Light requires minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** Periodically clean the exterior of the fixture with a soft, dry cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or optical components. Ensure power is off before cleaning.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose connections, or wear. Address any issues promptly.
- **No User-Serviceable Parts:** The LED light source and driver are integrated and not user-serviceable. Do not attempt to open or repair the fixture.

## 8. TROUBLESHOOTING

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If you experience issues with your Lightdot LED Linear High Bay Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on	<ul style="list-style-type: none"><li>◦ No power supply</li><li>◦ Loose wiring connection</li><li>◦ Faulty switch</li></ul>	<ul style="list-style-type: none"><li>◦ Check circuit breaker and power source.</li><li>◦ Verify all wire connections are secure.</li><li>◦ Test the switch or replace if necessary.</li></ul>
Light flickers or dims	<ul style="list-style-type: none"><li>◦ Unstable power supply</li><li>◦ Loose wiring</li><li>◦ Incompatible dimmer (if applicable)</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure stable voltage supply.</li><li>◦ Check and tighten all wiring connections.</li><li>◦ This fixture is not designed for dimming unless specified.</li></ul>
Light is not bright enough	<ul style="list-style-type: none"><li>◦ Fixture is dirty</li><li>◦ Incorrect installation height for the space</li></ul>	<ul style="list-style-type: none"><li>◦ Clean the fixture's surface.</li><li>◦ Refer to installation height recommendations in Section 5.4.</li></ul>

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

## 9. TECHNICAL SPECIFICATIONS

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Specification	Detail
Model Name	HB-M07-NEW
Wattage	200 Watts

Specification	Detail
Brightness	28000 Lumens
Color Temperature	5000K Daylight White
Voltage	100-277V AC
Light Source Type	LED (SMD2835 chips)
CRI	90
Lifespan	50,000+ hours
Material	Alloy Steel
Product Dimensions	24"L x 12.6"W x 3.38"H
Indoor/Outdoor Usage	Indoor
Installation Type	Surface & Suspended Mount

## 10. WARRANTY AND CUSTOMER SUPPORT

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Lightdot stands behind the quality of its products.

- **Warranty:** This product is covered by a **5-Year Quality Support** warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
- **Customer Support:** For any issues, questions, or warranty claims, please contact Lightdot customer service. Our team is available for 24-hour full-time after-sales service.
- **Contact Information:** Please refer to the contact details provided on the Lightdot official website or your purchase documentation.