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Ledvion LV70051

Ledvion LED Linear High Bay 100W (4000K, Dimmable, IP65) Instruction Manual

Model: LV70051 | Brand: Ledvion

INTRODUCTION

The Ledvion LED Linear High Bay is an advanced lighting solution designed for large industrial and commercial spaces such as warehouses, factories, and workshops. This 100W fixture provides powerful and energy-efficient illumination with a luminous efficacy of 175 lumens per watt, ensuring bright and uniform light distribution. It features a 4000K neutral white color temperature, is dimmable (1-10V), and boasts an IP65 rating for protection against dust and water, along with IK08 impact resistance. With a long lifespan and a comprehensive warranty, this high bay light is built for durability and performance.

SAFETY INFORMATION

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with all local and national electrical codes. Ensure the power supply is disconnected before any installation, maintenance, or repair work.
- **Mounting:** The fixture must be securely mounted to a stable structure capable of supporting its weight. Use appropriate mounting hardware.
- **Environment:** This product is rated IP65, making it suitable for damp and dusty environments. However, it is not designed for submersion in water or direct high-pressure water jets.
- **Temperature:** Do not operate the fixture outside its specified operating temperature range.
- **Handling:** Avoid touching the LED surface directly when the light is on or recently turned off, as it may be hot.
- **Modification:** Do not attempt to modify or disassemble the fixture. This will void the warranty and may create safety hazards.



99 mm



551 mm

118 mm

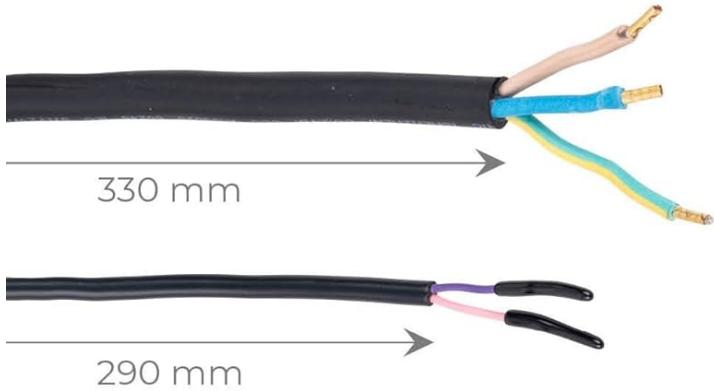


Image: The Ledvion Linear High Bay is designed to be water and dust resistant, featuring an IP65 rating for durability in challenging environments.

WHAT'S IN THE Box

Verify that all components are present and undamaged upon unpacking.

- 1x Ledvion LED Linear High Bay Fixture
- 2x Suspension Cables
- 1x Instruction Manual
- Mounting Screws (included with fixture)



Image: This illustration shows the typical contents of the product packaging, including the LED high bay fixture, two suspension cables, and the instruction manual.

SPECIFICATIONS

| Feature | Specification |
|--------------------------------|---|
| Model Number | LV70051 |
| Power Consumption | 100 Watts |
| Luminous Efficacy | 175 lm/W |
| Total Luminous Flux | 17500 Lumens |
| Color Temperature | 4000 Kelvin (Neutral White) |
| Dimmability | 1-10V Dimmable |
| Ingress Protection (IP) Rating | IP65 (Dust tight, protected against water jets) |
| Impact Protection (IK) Rating | IK08 |
| Material | Aluminium |
| Product Dimensions (L x W x H) | 60 x 17 x 16 cm |
| Weight | 2.6 Kilograms |
| Lifespan | 50,000 hours |

| Feature | Specification |
|---------------|---------------------------|
| Voltage | 230 Volts |
| Mounting Type | Ceiling Mount (Suspended) |

DIMMABLE HIGH BAY



 **100W**
 DIMMABLE

 **ECO**
 FRIENDLY

4000
KELVIN
 TEMPERATURE

Ledvion

Image: Detailed view of the LED chips, highlighting the fixture's power (100W), efficiency (175 lm/W), and total light output (17500 lumens).

SETUP AND INSTALLATION

Installation of the Ledvion LED Linear High Bay should be carried out by a qualified professional to ensure safety and proper functionality.

- Preparation:** Ensure the power supply to the installation area is completely disconnected at the circuit breaker. Gather all necessary tools (drills, screwdrivers, wire strippers, etc.).
- Mounting Location:** Select a suitable ceiling location that can safely support the weight of the fixture (2.6 kg) and provides

adequate clearance for optimal light distribution.

3. **Install Suspension Cables:** Securely attach the two provided suspension cables to the designated mounting points on the fixture and to a robust ceiling structure. Ensure the cables are evenly tensioned and the fixture hangs level.

4. **Electrical Connection:**

- Connect the live (brown), neutral (blue), and ground (green/yellow) wires from the fixture to the corresponding wires of your main power supply.
- If using the dimming function, connect the 1-10V dimming wires (typically purple and grey/pink) from the fixture to a compatible 1-10V LED dimmer. Ensure polarity is correct if specified by the dimmer manufacturer.
- All connections must be secure and insulated according to electrical standards.

5. **Final Check:** Double-check all connections and mounting points. Restore power to the circuit.

WHAT'S IN THE BOX

SKU: LV70051



1x LED High Bay



2x Cable

1x Manual

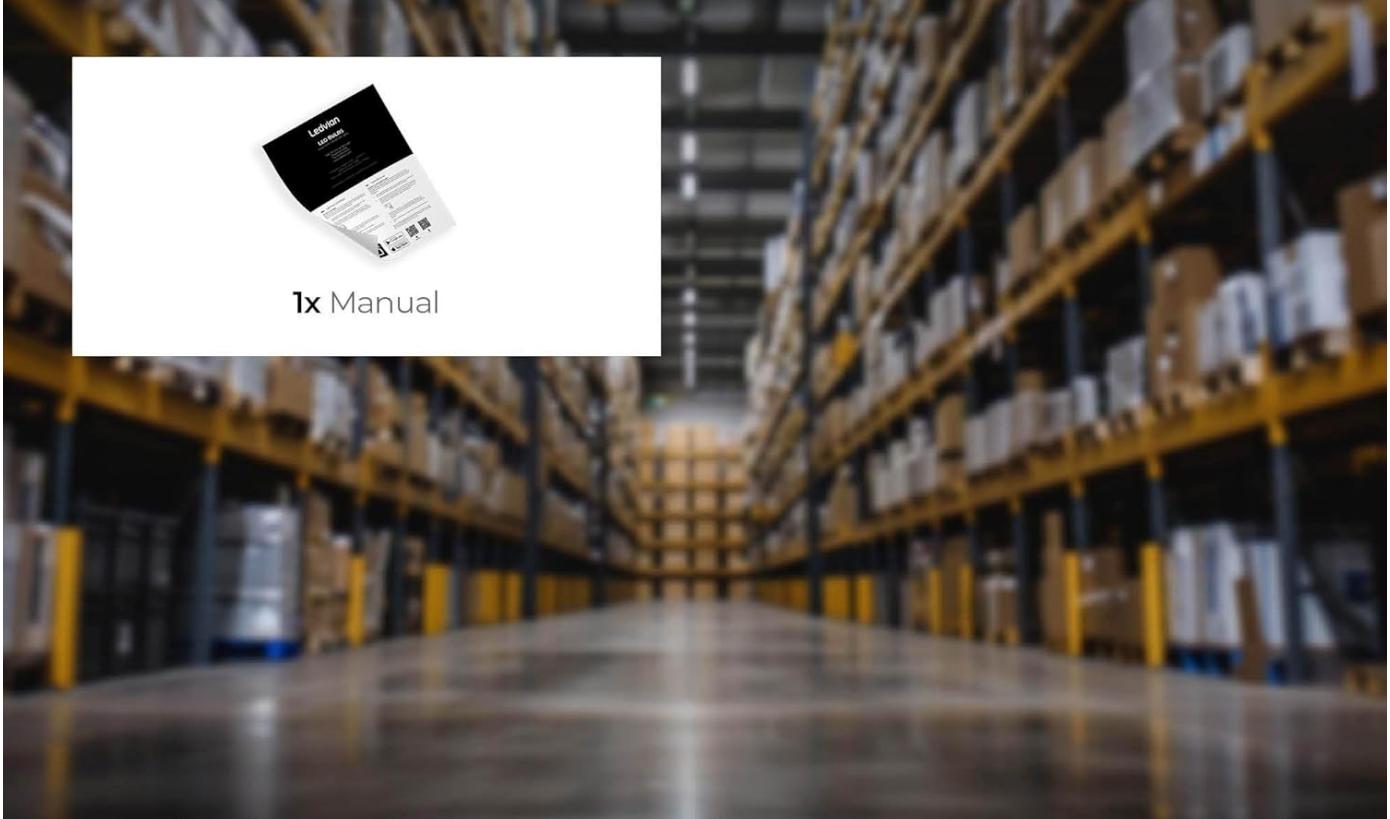


Image: This diagram illustrates the physical dimensions of the high bay fixture, along with the length of the electrical cables and suspension wires for installation planning.

OPERATING INSTRUCTIONS

The Ledvion LED Linear High Bay is designed for straightforward operation.

- **Power On/Off:** Once correctly installed and wired, the fixture will turn on when power is supplied to the circuit. Use a standard wall switch or circuit breaker to control the power.
- **Dimming Function:** If connected to a compatible 1-10V LED dimmer, use the dimmer control to adjust the light output from 10% to 100% brightness. Ensure the dimmer is specifically designed for 1-10V LED drivers.



Image: This visual emphasizes the fixture's dimmable capability (1-10V), its energy-efficient nature, and the neutral white light output at 4000 Kelvin.

MAINTENANCE

The Ledvion LED Linear High Bay requires minimal maintenance due to its durable design and long-life LEDs.

- **Cleaning:** Disconnect power before cleaning. Wipe the exterior of the fixture with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or optical components.
- **Inspection:** Periodically inspect the suspension cables and electrical connections for any signs of wear, damage, or

loosening. Address any issues promptly.

- **No User-Serviceable Parts:** The LED module and driver are integrated and not designed for user replacement. Do not attempt to open the sealed housing.

TROUBLESHOOTING

If you encounter issues with your Ledvion LED Linear High Bay, refer to the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|--------------------------------------|--|--|
| Light does not turn on. | No power supply; Loose wiring; Faulty switch/breaker. | Check power supply to the circuit. Verify all electrical connections are secure. Test the switch or circuit breaker. |
| Light flickers or dims unexpectedly. | Unstable power supply; Incompatible dimmer; Loose dimming wires. | Ensure stable power. Verify the dimmer is a compatible 1-10V LED dimmer. Check dimming wire connections. |
| Reduced light output. | Dust accumulation on fixture; Dimmer set too low. | Clean the fixture surface. Adjust the dimmer to a higher setting. |

If the problem persists after attempting these solutions, contact Ledvion customer support or a qualified electrician.

WARRANTY AND SUPPORT

The Ledvion LED Linear High Bay is backed by a **5-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use.

- **Warranty Claims:** To make a warranty claim, please retain your proof of purchase and contact Ledvion customer support. The warranty does not cover damage caused by improper installation, misuse, accidents, unauthorized modifications, or acts of nature.
- **Customer Support:** For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please visit the official Ledvion website or contact their customer service department. Refer to your purchase documentation for specific contact details.

LIT BY LUMILEDS



100
WATT

175
LUMEN
/WATT

17500
LUMEN

Ledvion



Image: This graphic highlights the product's extended lifespan of 50,000 hours and the assurance of a 5-year warranty, alongside its high power factor.



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