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Ledvion LV70024

Ledvion UFO LED High Bay Light 150W 4000K Dimmable Instruction Manual

Model: LV70024 | Brand: Ledvion

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Ledvion UFO LED High Bay Light. Please read these instructions carefully before installation and retain them for future reference.

The Ledvion UFO LED High Bay Light is a professional-grade industrial lighting solution designed for large environments such as warehouses, workshops, and garages. It features high efficiency, dimmable functionality, and robust construction.

2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with local electrical codes and regulations. Ensure the power supply is disconnected before any installation, maintenance, or repair work.
- **Mounting:** The fixture must be securely mounted to a structure capable of supporting its weight. Ensure the mounting hardware is appropriate for the installation surface.
- **Operating Environment:** This product is rated IP65 for protection against dust and water jets. Do not immerse the fixture in water. Ensure the operating temperature is within the specified range.
- **Handling:** Avoid direct eye exposure to the LED light source when the fixture is powered on. Do not attempt to modify or disassemble the fixture, as this will void the warranty and may pose a safety risk.
- **Cable:** The provided connection cable is 30cm H05RN-F 3x1.0mm². Ensure proper connections and insulation.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- Ledvion UFO LED High Bay Light (1 unit)
- Mounting hardware (suspension ring, screws)
- IP65 protection kit
- Instruction Manual



Figure 3.1: Example of product packaging, showing the Ledvion brand and basic information.

4. SETUP AND INSTALLATION

The Ledvion UFO LED High Bay Light is designed for easy assembly and suspension. It is intended for illumination in rooms with a height of 4 to 6 meters.

4.1 Mounting the Fixture

1. **Prepare Mounting Location:** Identify a suitable, sturdy overhead structure capable of supporting the fixture's weight (approximately 2.4 kg). Ensure the mounting point is at the desired height (4-6 meters recommended for optimal performance).
2. **Attach Suspension Ring:** Securely attach the provided suspension ring to the fixture.
3. **Install Fixture:** Use appropriate mounting hardware (not always included, refer to package contents) to hang the fixture from the prepared mounting location using the suspension ring. Ensure it is stable and level.



VERY EASY TO ASSEMBLE

The high bay LED comes with a suspension ring. The UFO clock lamp has a 2 way and 3 way 30cm connection cable. This is a 30cm H05RN-F 3x1.0mm² cable



Figure 4.1: The fixture includes a suspension ring for easy installation and a 30cm connection cable.

4.2 Electrical Connection

WARNING: Ensure power is OFF at the circuit breaker before proceeding with electrical connections.

1. **Identify Wires:** The fixture comes with a 30cm H05RN-F 3x1.0mm² cable. Identify the Live (brown), Neutral (blue), and Ground (yellow/green) wires.
2. **Connect to Power Supply:** Connect the fixture's wires to the corresponding wires of your main power supply. Ensure all connections are secure and properly insulated.
3. **Dimmer Connection (if applicable):** If connected to a compatible dimmer, wire it according to the dimmer manufacturer's instructions and the fixture's wiring diagram.
4. **Restore Power:** Once all connections are secure and inspected, restore power at the circuit breaker.

5. OPERATING INSTRUCTIONS

5.1 Turning On/Off

Once properly installed and connected to power, the Ledvion UFO LED High Bay Light can be turned on or off using the wall switch or circuit controlling the power supply to the fixture.

5.2 Dimming Function

This fixture is dimmable. If connected to a compatible dimmer switch, you can adjust the light intensity to suit your specific needs and activities. The light provides a neutral white color temperature of 4000K, ideal for clear visibility in work environments.

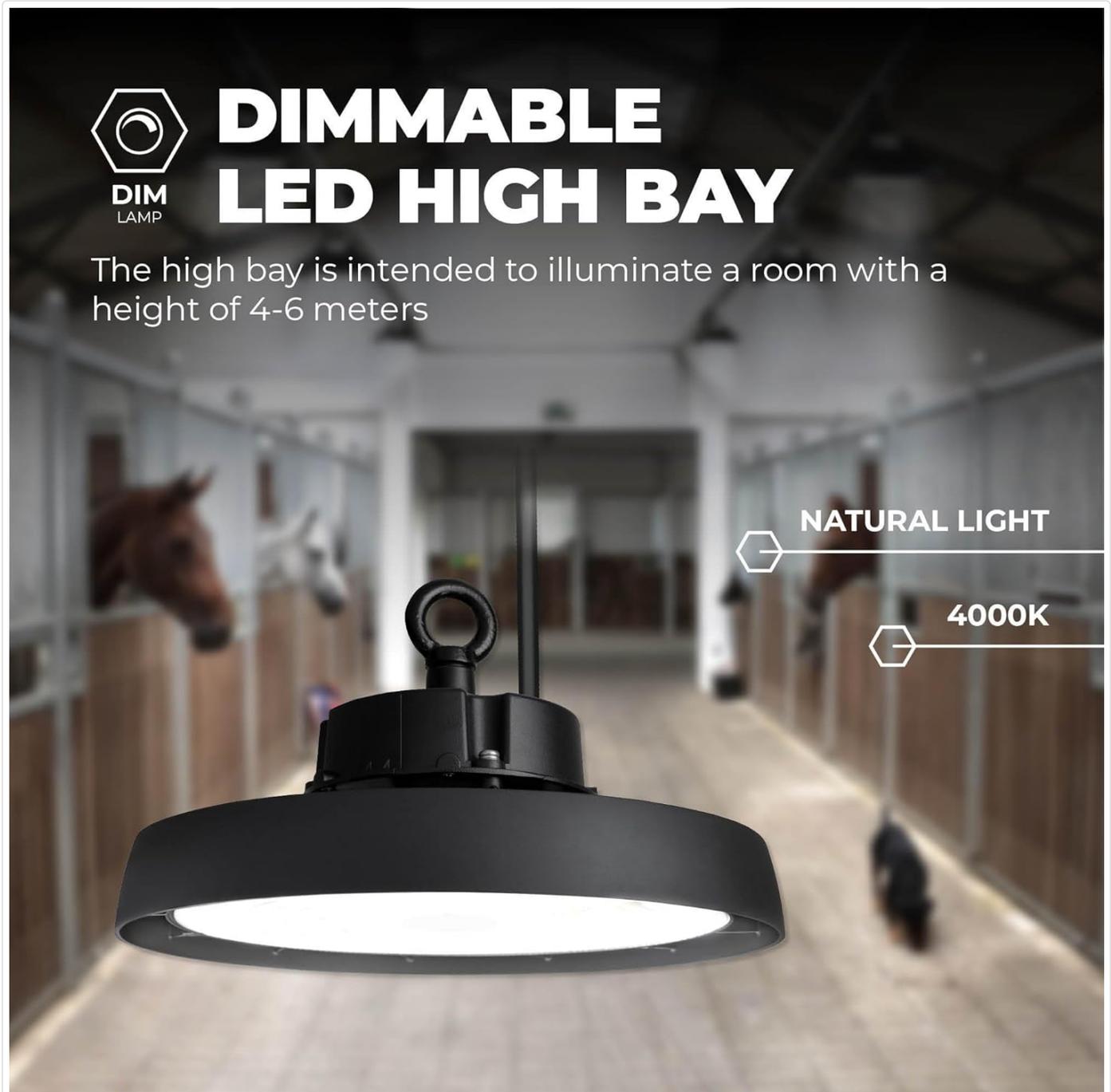


Figure 5.1: The fixture offers dimmable functionality and a 4000K neutral white light output.

6. MAINTENANCE

The Ledvion UFO LED High Bay Light is designed for long-term, low-maintenance operation. However, periodic cleaning and inspection are recommended.

- **Cleaning:** Ensure the power is disconnected before cleaning. Use a soft, damp cloth to wipe the exterior of the fixture. Do not use abrasive cleaners or solvents, as they may damage the finish or optical components.
- **Inspection:** Periodically check the mounting hardware and electrical connections for any signs of wear, corrosion, or loosening. Address any issues promptly.
- **LEDs:** The LED light source is integrated and not user-replaceable. The fixture has a rated lifetime of 50,000 hours.

7. TROUBLESHOOTING

If you encounter issues with your Ledvion UFO LED High Bay Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose wiring; faulty switch.	Check circuit breaker and wall switch. Verify all electrical connections are secure. Consult a qualified electrician if necessary.
Light flickers or dims unexpectedly.	Incompatible dimmer; loose wiring; power fluctuations.	Ensure dimmer is compatible with LED fixtures. Check electrical connections. If problem persists, consult an electrician.
Reduced light output.	Dust accumulation on lens; fixture nearing end of life.	Clean the lens surface. If the fixture is old, it may be experiencing lumen depreciation, which is normal over its lifespan.

For issues not listed above or if troubleshooting steps do not resolve the problem, please contact Ledvion customer support.

8. SPECIFICATIONS

Model Number	LV70024
Brand	Ledvion
Power Consumption	150W
Luminous Flux	28800 lumens
Luminous Efficacy	192 lm/W
Color Temperature	4000K (Neutral White)
Voltage	230 Volt
IP Rating	IP65 (Water & Dust Resistant)
Dimmable	Yes
Beam Angle	120 degrees
Material	Aluminum (body), Plastic (lampshade)
Color	Black (fixture), White (lampshade)
Dimensions (L x W x H)	26 x 26 x 17 cm

Weight	2.4 kg
Lifespan	50,000 hours
Certifications	CE, RoHS, GS, IP65
Included Items	Mounting hardware, IP65 protection kit
Recommended Installation Height	4-6 meters

192
LUMEN/W

HIGH QUALITY HIGH BAY

Aluminum high bay with a 120° degree beam angle.
This high bay also has a very high lumen output

150 WATT

28800 LUMEN

192 LUMEN/ WATT

Figure 8.1: High efficiency specifications of the Ledvion UFO LED High Bay Light.



WATER & DUST RESISTANT

This LED high bay is protected against dust and is jet-proof

IP65 RATING



ANTI DUST &
ANTI MOISTURE



Figure 8.2: The IP65 rating ensures the fixture is protected against dust and water jets.



EXPLODED VIEW

Eyebolt Ring

For convenient installation

Retaining screw

Protective Eyebolt ring which prevents the high bay of falling

Die-cast aluminum heatsink

ADC12 die-cast aluminum, mellow design, large enough for heat disipation

Fresnel lens

Good for controlling the light distribution beam angle. This comes with a waterproof sealing ring to make the high bay IP65

Screws

Rust-free and non-corroding stainless steel screws are used

Sosen Driver

World famous brand driver, stands for reliable quality and 5 years of warranty

LED PCB

High efficiency Lumileds Chips, reaching Class A with 210lm/w in ERP

Sensor bracket

Convenient to install sensor



Figure 8.3: Exploded view showing key components like the eyebolt ring, screws, Sosen driver, die-cast aluminum heatsink, LED PCB with Lumileds chips, and Fresnel lens.



Figure 8.4: Dimensional drawing of the Ledvion UFO LED High Bay Light (Diameter 280mm, Height 165mm).

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Ledvion UFO LED High Bay Light comes with a **5-year warranty**, ensuring reliability and long-term performance. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.



WARRANTY OF 5 YEARS

This high bay is suitable for lighting warehouses, sheds, factories, stables, sports halls and workshops



Figure 9.1: The product is backed by a 5-year warranty and has a rated lifetime of 50,000 hours.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Ledvion product, please contact Ledvion customer support through their official website or the retailer where the product was purchased.

You can visit the Ledvion store on Amazon for more information: [Ledvion Store](#)