HOFTRONIC 4407407

HOFTRONIC LED Luminaire for Damp Rooms - User Manual

Model: 4407407

1. Introduction

Thank you for choosing the HOFTRONIC LED Luminaire. This product is designed to provide efficient and reliable lighting in challenging environments, particularly damp and dusty areas. Its robust construction and high IP65 rating ensure long-lasting performance. This manual provides essential information for the safe installation, operation, and maintenance of your new LED luminaire.

2. 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 local electrical codes and regulations. Ensure the power supply is disconnected before any installation, maintenance, or repair work.
- **Product Integrity:** Do not modify or disassemble the luminaire. Any unauthorized modifications will void the warranty and may compromise safety.
- **Operating Environment:** This luminaire is rated IP65 for water and dust resistance, making it suitable for damp and dusty environments. However, avoid submerging the product in water.
- **Temperature:** Operate the luminaire within the specified temperature range of -25 °C to 50 °C.
- **Handling:** Handle the LED tubes and fixture with care to prevent damage.

3. Package Contents

Verify that all components are present and undamaged before proceeding with installation:

- 1 x HOFTRONIC IP65 LED Luminaire Fixture (60 cm)
- 2 x LED Tubes (18W, 3000K)
- 1 x LED Starter
- Mounting Brackets and Screws

4. Setup and Installation

4.1 Mounting the Fixture

Choose a suitable location for mounting, ensuring it is a stable surface capable of supporting the luminaire's weight. Use the provided mounting brackets and screws to securely attach the fixture to the ceiling or wall. Ensure the fixture is level before tightening all screws.

4.2 Electrical Connection

Before connecting, ensure the main power supply is OFF at the circuit breaker. Connect the luminaire to a 100-240V AC power source. Follow the wiring diagram provided with the product or consult a qualified electrician. The fixture supports series linking with additional HOFTRONIC Xtrem cables (SKU: 250596) for extended lighting setups.



Figure 1: Electrical connection for linking multiple LED fixtures.

4.3 Tube and Starter Installation

Carefully open the luminaire cover. Insert the provided LED tubes into the G13 fittings. Ensure they are securely twisted

into place. Then, insert the LED starter into its designated slot. The starter is crucial for the proper operation of the LED tubes.



Figure 2: The included LED starter for tube operation.



Figure 3: G13 fittings inside the luminaire for tube installation.

4.4 Compatibility

This luminaire is designed for direct connection to 230V mains and is compatible with magnetic ballasts (VSA). It is NOT compatible with electronic ballasts (VSA) or high-frequency ballasts (VSA).

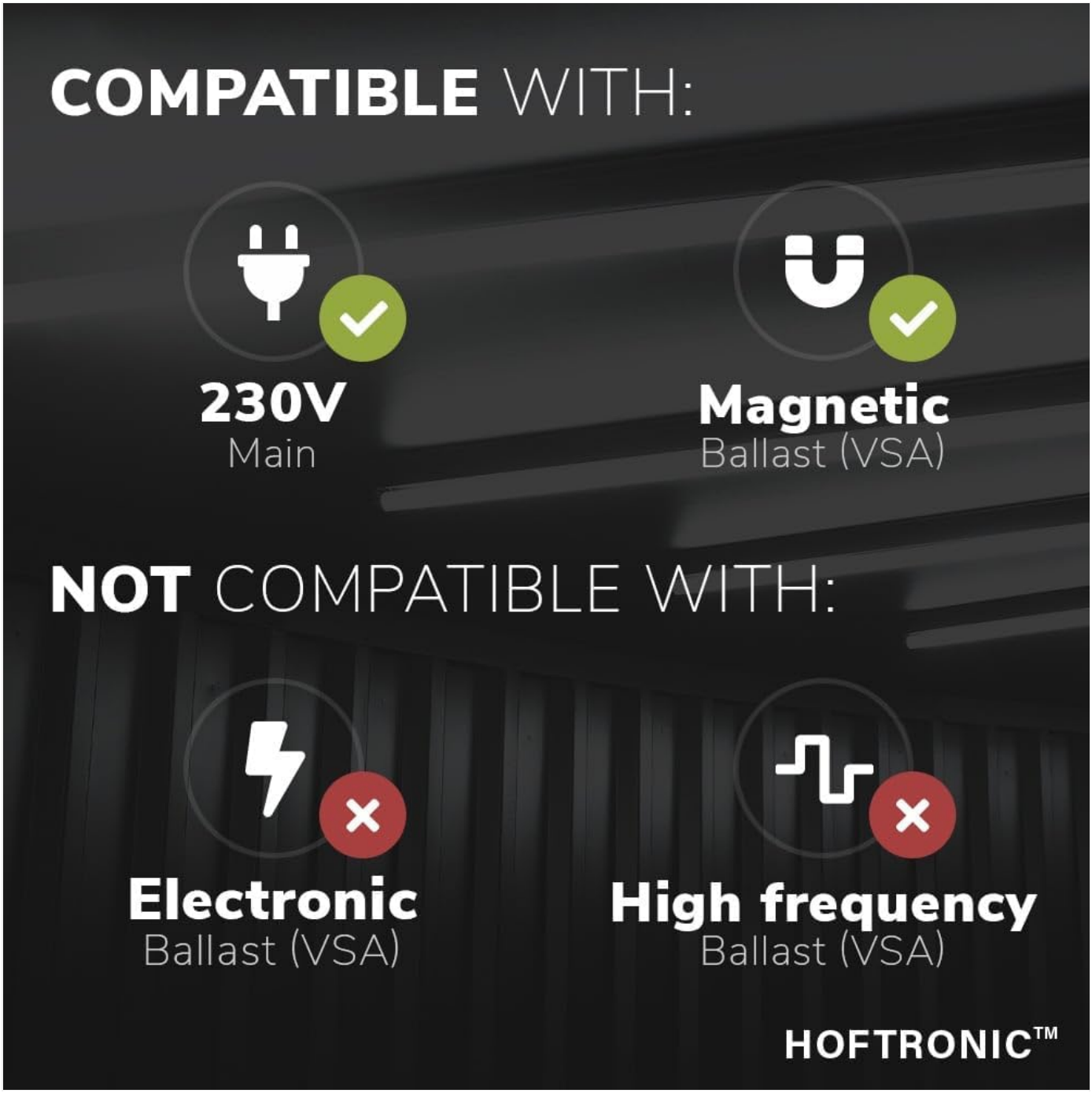


Figure 4: Luminaire compatibility chart.

5. Operation

Once installed and connected to the power supply, the luminaire will illuminate when the power is switched on. The flicker-free LED driver ensures stable and comfortable lighting, reducing eye strain and headaches.



Figure 5: The flicker-free LED tube provides stable illumination.

The luminaire can be linked in series with other compatible HOFTRONIC fixtures to create a continuous lighting system for larger areas.

6. Maintenance

The HOFTRONIC LED Luminaire requires minimal maintenance due to its durable construction and long-life LED components.

- **Cleaning:** Disconnect power before cleaning. Wipe the exterior of the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the polycarbonate material. The IP65 rating ensures easy cleaning and protection against dust and water jets.
- **Tube Replacement:** While LED tubes have a long lifespan, they are replaceable. Ensure power is off before attempting to replace tubes. Use only compatible G13 LED tubes.

7. Troubleshooting

If you encounter issues with your luminaire, refer to the following common problems and solutions:

- **Luminaire does not turn on:**
  - Check if the power supply is connected and switched on.
  - Verify that the circuit breaker has not tripped.
  - Ensure the LED tubes and starter are correctly installed and seated.
  - Confirm compatibility with your existing ballast type (if applicable).
- **Light output is dim or inconsistent:**
  - Ensure the power supply voltage is within the specified range (100-240V AC).
  - Check for any loose connections.
- **Flickering:**
  - While designed to be flicker-free, ensure stable power supply.
  - Verify the LED tubes are fully inserted into the G13 fittings.

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

8. Technical Specifications

Feature	Specification
Model Number	4407407
Input Voltage	100-240 V AC
Power Consumption	18 W
Luminous Flux	2520 lm
Color Temperature	3000 K (Warm White)
Color Rendering Index (CRI)	> 80 Ra
Beam Angle	140°
Power Factor	> 0.95
Energy Efficiency Class	A+
Ingress Protection (IP) Rating	IP65 (Waterproof and Dust Resistant)
Impact Protection (IK) Rating	IK06
Dimmable	No
Materials	ABS, Polycarbonate
Dimensions (L x W x H)	664 x 102 x 73 mm (Fixture)
Operating Temperature	-25 °C ~ 50 °C

Feature	Specification
Switching Cycles	100,000 cycles
Average Lifespan	50,000 hours
Certifications	CE, EMC, RoHS, LM80, TUV



Figure 6: The IP65 rating ensures water and dust resistance.



Figure 7: IK06 rating and high-impact polycarbonate for superior durability.

9. Warranty and Support

HOFTRONIC provides a **5-year warranty** for this LED luminaire, covering defects in materials and workmanship under normal use. This warranty period begins from the date of purchase.

For warranty claims, technical assistance, or any questions regarding your product, please contact HOFTRONIC customer support through the retailer where the product was purchased or visit the official HOFTRONIC website for contact information. Please have your proof of purchase and model number ready when contacting support.

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