HOFTRONIC 4400538

HOFTRONIC LED Tube 120cm 18W 3600 Lumen T8 G13 User Manual

Model: 4400538

1. Product Overview

The HOFTRONIC LED Tube is a high-efficiency lighting solution designed to replace traditional fluorescent tubes. Featuring advanced LED technology, it provides bright, flicker-free illumination with significant energy savings and an extended lifespan. This T8 G13 tube is ideal for various indoor applications, including offices, workshops, and commercial spaces.



Figure 1.1: HOFTRONIC LED Tube 120cm

Key Features:

- **High Efficiency:** 18W power consumption, delivering up to 3600 lumens (200 lm/W).
- **Long Lifespan:** Rated for 100,000 hours of operation.
- **Flicker-Free:** Patented design ensures stable, comfortable light output.
- **Instant-On:** Full brightness immediately upon power-up.
- **Built-in Power Switch:** Allows selection between 12W and 18W output.
- **Easy Retrofit:** Includes a dummy starter for simple replacement of traditional fluorescent tubes.
- **Durable Construction:** Made from 6063 aluminum and polycarbonate.

2. Safety Information

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

- **Disconnect Power:** Always ensure the power supply is turned off at the circuit breaker before installing, cleaning, or servicing the LED tube.
- **Qualified Electrician:** Installation should be performed by a qualified electrician if you are unsure about the wiring or compatibility.
- **Indoor Use Only:** This product is designed for indoor use in dry locations. Do not expose to water or high humidity.
- **Correct Voltage:** Ensure the supply voltage (220V) matches the product's requirements.
- **Handle with Care:** Avoid dropping or subjecting the tube to strong impacts.
- **Disposal:** Dispose of the product according to local regulations for electronic waste.

3. Package Contents

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

- 1 x HOFTRONIC LED Tube 120cm 18W T8 G13
- 1 x Dummy Starter (for retrofit installations)

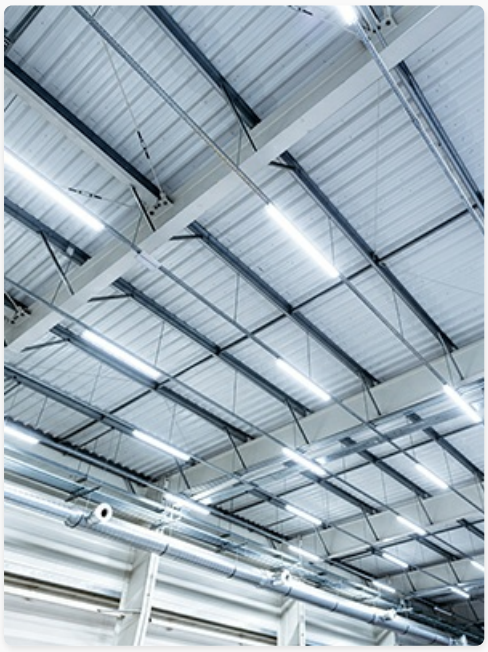


Figure 3.1: LED Tube and Dummy Starter

4. Installation Guide

This LED tube is designed for easy retrofit into existing fluorescent fixtures with a magnetic ballast (KVG) or direct 230V main connection. It is **NOT compatible** with electronic ballasts (EVG) or high-frequency ballasts.

Compatibility:

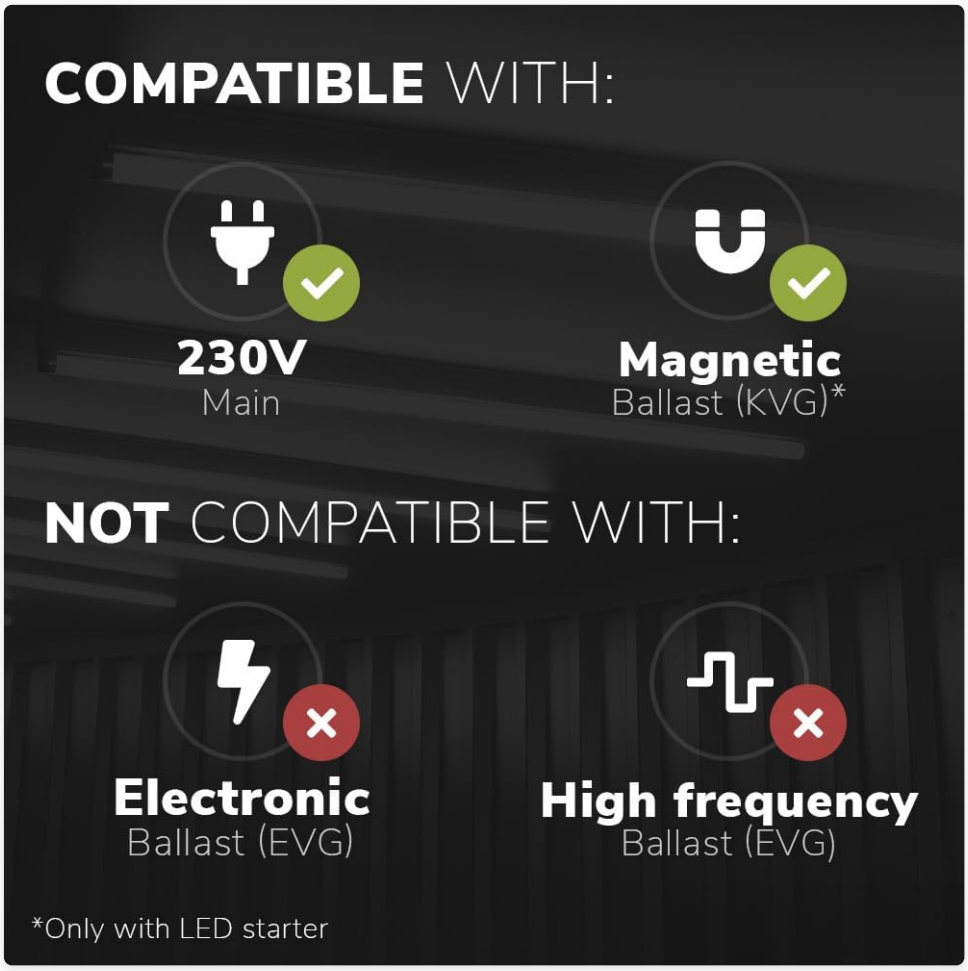


Figure 4.1: Compatibility with different ballast types

- **Compatible with:** 230V Main, Magnetic Ballast (KVG) -*Only with included LED starter.*
- **NOT Compatible with:** Electronic Ballast (EVG), High Frequency Ballast (EVG).

Installation Steps (for Magnetic Ballast Fixtures):

1. **Turn Off Power:** Before starting, ensure the power supply to the fixture is completely disconnected at the main circuit breaker.
2. **Remove Old Fluorescent Tube:** Carefully twist and remove the existing fluorescent tube from the fixture.
3. **Remove Old Starter:** Locate and remove the old starter from the fixture.
4. **Insert LED Dummy Starter:** Insert the provided LED dummy starter into the starter socket. This dummy starter acts as a fuse and bypasses the magnetic ballast.



Figure 4.2: The included LED dummy starter

5. **Insert LED Tube:** Insert the HOFTRONIC LED tube into the fixture. Note that these LED tubes are often directional; ensure the end marked 'AC INPUT' or with the L/N indicators is connected to the live side of the fixture.



Figure 4.3: Ensure correct orientation of the LED tube

6. **Restore Power:** Once the tube is securely in place, restore power at the circuit breaker. The LED tube should illuminate instantly.

Direct Connection (without Ballast):

For fixtures without a ballast, the LED tube can be wired directly to the 230V main supply. This requires bypassing the ballast and connecting the live (L) and neutral (N) wires directly to the appropriate pins on one end of the LED tube. Consult a qualified electrician for this type of installation.

5. Operating Instructions

The HOFTRONIC LED Tube is designed for simple operation. Once installed and power is supplied, it will turn on

instantly.

Adjusting Wattage (if applicable):

Some models of this LED tube feature a built-in power switch, allowing you to select between 12W and 18W output to adjust brightness and energy consumption.



Figure 5.1: Built-in power switch for wattage adjustment

To change the wattage setting, ensure the power to the fixture is off. Locate the switch on the end of the LED tube and slide it to your desired setting (12W or 18W). Restore power to activate the new setting.

6. Maintenance and Care

The HOFTRONIC LED Tube requires minimal maintenance due to its long lifespan and durable construction.

- **Cleaning:** Ensure power is off before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the tube. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the tube and fixture for any signs of damage or loose connections.
- **Replacement:** If the tube becomes damaged or stops functioning, replace it with a new HOFTRONIC LED tube of the same specifications.

7. Troubleshooting

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

Problem	Possible Cause	Solution
LED tube does not light up.	No power supply. Incorrect installation/wiring. Incompatible ballast. Faulty dummy starter.	Check circuit breaker and power switch. Ensure tube is correctly inserted and oriented. Verify dummy starter is properly installed. Confirm fixture has a magnetic ballast or is direct wired. Replace dummy starter. Consult a qualified electrician.
LED tube flickers.	Incompatible ballast (electronic/high frequency). Loose connection.	This tube is not compatible with electronic or high-frequency ballasts. Ensure your fixture has a magnetic ballast or is direct wired. Check that the tube is securely seated in the fixture.
Reduced brightness.	Wattage setting is low (if applicable). Dust accumulation.	Adjust the built-in power switch to the higher wattage setting (18W). Clean the surface of the tube.

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

8. Technical Specifications

Specification	Value
Model Number	4400538
Brand	HOFTRONIC
Type	LED Tube
Length	120 cm (1198 mm)
Power Consumption	18 Watts
Luminous Flux	3600 Lumens
Luminous Efficacy	200 lm/W
Color Temperature	6000 Kelvin (Daylight White)
Color Rendering Index (CRI)	90
Base Type	G13 (T8)
Input Voltage	220 Volts (AC/DC)
Lifespan	100,000 Hours
Material	6063 Aluminum and Polycarbonate
IP Rating	IP20

Specification	Value
Incandescent Equivalent	150 Watts
Product Dimensions (L x W x H)	119.8 x 119.8 x 2.6 cm
Weight	5 Kilograms

Energy Efficiency Label:

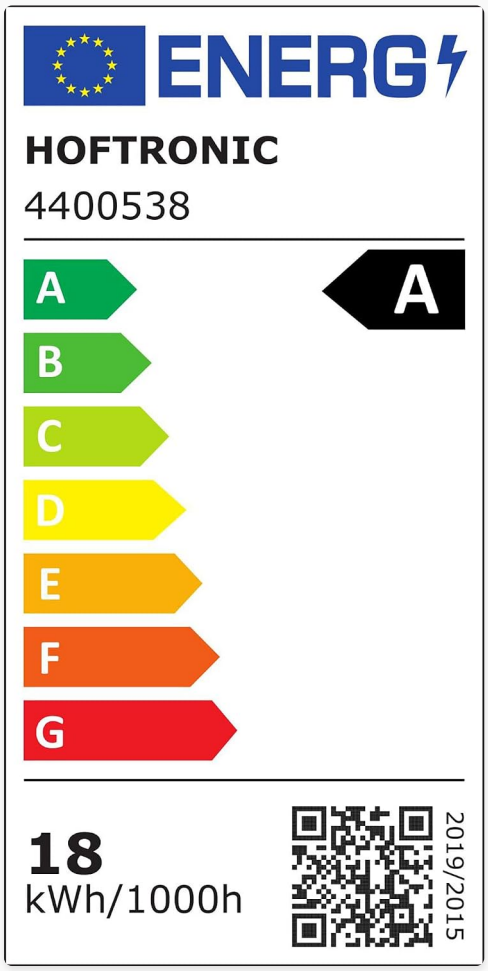


Figure 8.1: Energy Efficiency Label (Class A)

For more details, visit the EPREL database: https://eprel.ec.europa.eu/qr/739067

9. Warranty and Support

HOFTRONIC stands behind the quality of its products. This LED tube comes with a **10-year warranty**, ensuring long-term reliability and performance.

Customer Support:

If you have any questions, concerns, or require technical assistance, please contact HOFTRONIC customer support. We aim to respond to all inquiries within 24 hours.

- **Website:** Visit the official HOFTRONIC website for support resources and contact information.
- **Email:** Refer to your purchase documentation for direct email support.

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