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HOFTRONIC 2721435

HOFTRONIC LED Panel 60x60 User Manual

Model: 2721435

Your guide to installation, operation, and maintenance of your HOFTRONIC LED Panel.

Introduction

Thank you for choosing the HOFTRONIC LED Panel 60x60. This energy-efficient, flicker-free LED panel with a neutral white light color (4000K) is designed for optimal performance in various environments, including offices and schools. This manual provides essential information for the safe and efficient use of your LED panel, covering installation, operation, maintenance, and troubleshooting.

Important Safety Instructions

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

- Ensure the power supply is disconnected before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Do not modify or alter the LED panel or its components.
- This product is designed for indoor use only. Do not expose to moisture or extreme temperatures.
- Handle the panel with care to avoid damage.
- Do not look directly into the light source when the panel is illuminated.

Product Overview

The HOFTRONIC LED Panel 60x60 is a high-performance lighting solution featuring advanced technology for superior illumination and energy efficiency.

Key Features:

- **Extra Energy Efficient:** Up to 190 lumens per watt, consuming only 18/25 watts while producing up to 4700 lumens of neutral white light (4000K). Energy efficiency class A.
- **Anti-Glare and High Visual Comfort (UGR<19):** Provides non-glare light, ideal for environments with computer workstations, sales areas, canteens, or workshops. Flicker-free light output reduces eye strain.
- **Advanced Backlit Technology & Philips Xitanium Driver:** Ensures uniform light distribution across the entire surface without dark spots or yellowing. The integrated Philips Xitanium driver guarantees stable performance and long lifespan.

- **High-Quality Finish and Ultra-Flat Design (27.5 mm):** Constructed from robust aluminum with a reinforced backplate, folded edges to prevent insect ingress, and a non-yellowing polystyrene plate. Its slim profile is suitable for low installation heights.
- **Versatile Application & Easy Installation:** Can be flexibly mounted in grid ceilings, directly on the ceiling, or suspended. The external driver and lightweight design simplify the installation process.

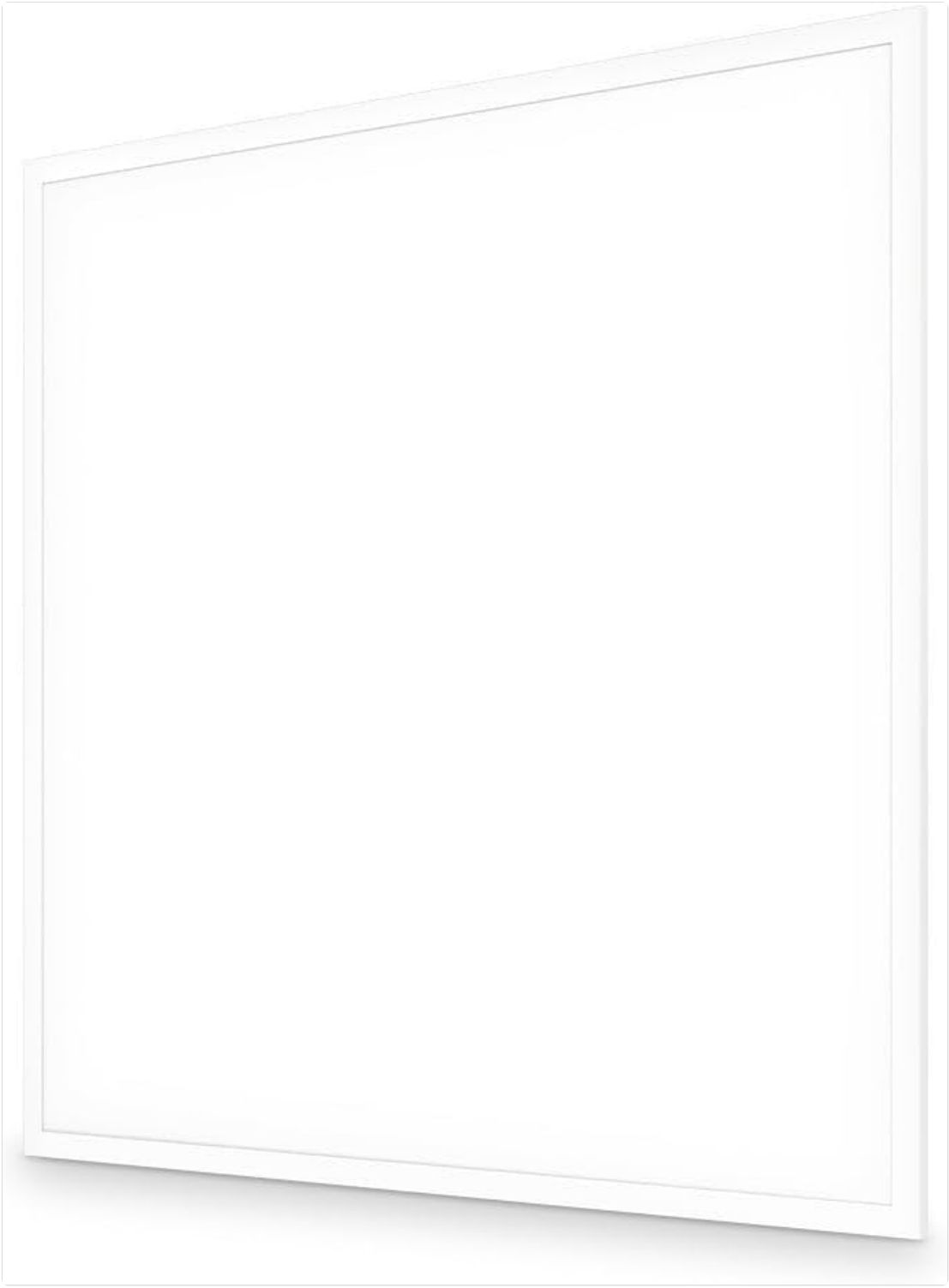


Figure 1: Front view of the HOFTRONIC LED Panel 60x60. This image shows the sleek, white, rectangular LED panel, highlighting its minimalist design suitable for various indoor settings.



Figure 2: Examples of HOFTRONIC LED Panel installations in different indoor environments. This collage demonstrates the panel's versatility, showing it installed in a workshop, an office, a classroom, and a living room, illustrating its suitability for both professional and private indoor lighting applications.

Setup and Installation

The HOFTRONIC LED Panel offers flexible installation options. Always ensure power is off before beginning installation.

Installation Steps:

1. **Prepare the Installation Area:** Ensure the mounting surface is clean, dry, and structurally sound. For grid ceilings, ensure the opening matches the panel dimensions (60x60 cm).
2. **Disconnect Power:** Turn off the main power supply to the installation area at the circuit breaker. Verify with a voltage tester.
3. **Connect the Driver:** Connect the external Philips Xitanium driver to the main power supply wiring. Follow the wiring diagram provided with the driver. Ensure all connections are secure and insulated.
4. **Connect Panel to Driver:** Plug the LED panel's connector into the output port of the Philips Xitanium driver.

5. **Mount the Panel:**
    - **For Grid Ceilings:** Simply place the panel into the existing grid opening.
    - **For Direct Ceiling Mount:** Use appropriate mounting brackets (not included) to secure the panel directly to the ceiling. Ensure the brackets can support the panel's weight (5 kg).
    - **For Suspended Installation:** Use a suspension kit (not included) to hang the panel from the ceiling. Adjust the suspension wires to achieve the desired height.
6. **Secure Wiring:** Neatly arrange and secure all wiring to prevent accidental damage or disconnections.
7. **Restore Power:** Once installation is complete and all connections are checked, restore power to the circuit.
8. **Test Operation:** Turn on the light switch to verify the panel illuminates correctly.

The ultra-flat design (27.5 mm height) makes this panel particularly suitable for installations with limited ceiling cavity space.

Operating Instructions

Operating the HOFTRONIC LED Panel is straightforward once installed.

- **Power On/Off:** Use the standard wall switch connected to the panel's circuit to turn the light on or off.
- **Light Characteristics:** The panel provides a consistent 4000K neutral white light, ideal for environments requiring clear and bright illumination. Its UGR<19 rating ensures minimal glare, contributing to a comfortable visual experience.
- **Flicker-Free Operation:** The integrated Philips Xitanium driver ensures stable, flicker-free light output, reducing eye fatigue during prolonged use.

Maintenance

The HOFTRONIC LED Panel is designed for long-term, low-maintenance operation. Regular cleaning will help maintain its optimal light output and appearance.

- **Cleaning:** Before cleaning, ensure the power supply to the panel is disconnected. Use a soft, dry, or slightly damp cloth to wipe the surface of the panel. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or optical components.
- **No User-Serviceable Parts:** The LED panel contains no user-serviceable parts. Do not attempt to open or repair the unit. Any repairs should be performed by qualified personnel.
- **Lifespan:** The panel has an impressive operational lifespan of 50,000 hours, minimizing the need for frequent replacement.

Troubleshooting

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

Problem	Possible Cause	Solution
Panel does not illuminate.	No power supply; loose wiring; faulty driver.	Check circuit breaker and wall switch. Ensure all wiring connections are secure. If issues persist, consult a qualified electrician to check the driver.
Light flickers or is unstable.	Unstable power supply; faulty driver.	Verify stable power supply. If flickering continues, the driver may be faulty and require replacement by a qualified technician.
Reduced light output or uneven illumination.	Dust accumulation on the panel; internal component issue.	Clean the panel surface gently. If the problem persists, it may indicate an internal issue requiring professional inspection.

For problems not listed here or if solutions do not resolve the issue, please contact customer support.

Technical Specifications

Brand	HOFTRONIC
Model Number	2721435
Product Dimensions	59.5 x 59.5 x 2.8 cm (L x W x H)
Weight	5 kg
Voltage	220 Volts
Wattage	18/25 Watts
Luminous Flux	4700 Lumens
Color Temperature	4000 Kelvin (Neutral White)
Energy Efficiency Class	A
Lifespan	50,000 operating hours
UGR Rating	<19 (Anti-glare)
Light Source Type	LED
Power Source	AC (Alternating Current)
Special Features	Extra energy-efficient, high-quality finish, ultra-thin design, modern backlit technology, Philips Xitanium-driver, non-glare light, versatile installation.

Warranty and Support

HOFTRONIC stands behind the quality of its products.

- **Warranty:** This HOFTRONIC LED Panel comes with a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.
- **Exclusions:** The warranty does not cover damage caused by improper installation, misuse, abuse, unauthorized repairs, or acts of nature.
- **Customer Support:** For technical assistance, warranty claims, or any questions regarding your HOFTRONIC LED Panel, please contact your retailer or the HOFTRONIC customer service department. Refer to the product packaging or the retailer's website for contact information.

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