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HOFTRONIC LED Panel 120x30-3000K (36W) Instruction Manual

Model: 2714758

1. PRODUCT OVERVIEW

This HOFTRONIC LED panel, measuring 120x30 cm, is designed for efficient illumination. It consumes 36 Watts and produces 4860 lumens of warm white light (3000 Kelvin), offering an efficiency of 135 lumens per watt. This light color is suitable for environments such as break rooms and canteens. The panel is engineered to provide flicker-free illumination, which helps to reduce eye strain, headaches, and nausea during extended periods of exposure. Its lightweight construction facilitates installation.



Image 1.1: Examples of indoor lighting applications for the HOFTRONIC LED panel.

2. SAFETY INFORMATION

- Always disconnect power before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Do not attempt to modify the product. Unauthorized modifications may void the warranty and pose safety risks.
- Ensure the mounting surface can support the weight of the LED panel.
- Avoid direct eye exposure to the light source for prolonged periods.
- This product is designed for indoor use only.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x HOFTRONIC LED Panel (120x30 cm)
- 1x External LED Driver

4. PRODUCT FEATURES

- **Warm White Light:** Emits a 3000K warm white light, creating a comfortable environment. The flicker-free output reduces visual fatigue.
- **Ultra-Flat Design:** The 34 mm thin LED panel is constructed from high-quality materials, featuring a narrow aluminum frame that enhances light efficiency. A reinforced backplate ensures structural stability.
- **Uniform Illumination:** Backlit technology provides an even light distribution without dark spots, ensuring consistent room illumination.
- **High Luminous Output:** Delivers 4860 lumens at 36W, providing bright and energy-efficient lighting suitable for offices, workshops, and warehouses.
- **Maximized Lighting Surface:** The 120x30 cm LED panel utilizes backlit technology for uniform light. The polystyrene plate resists yellowing, and PMMA lenses optimize light output.

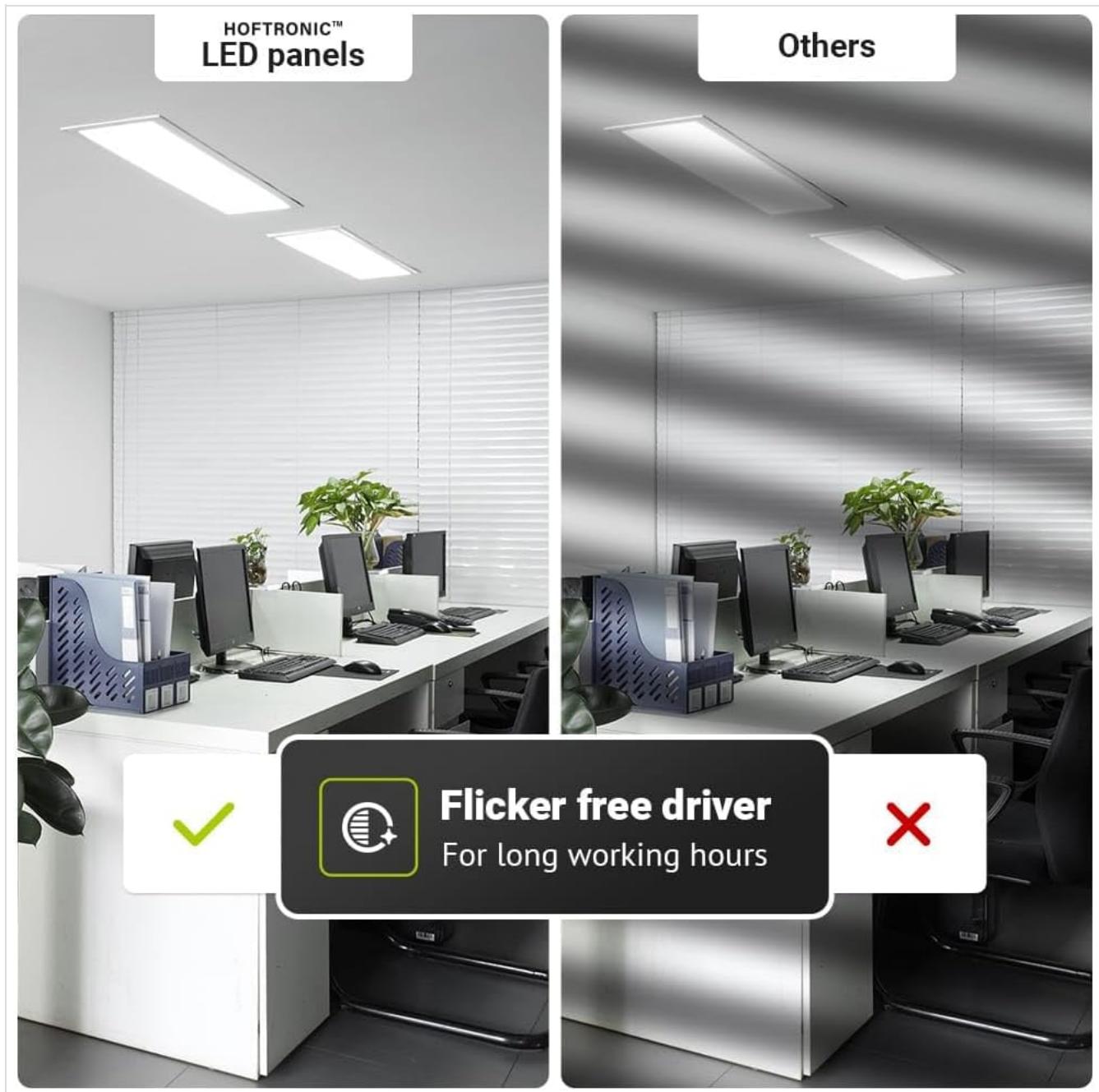


Image 4.1: Visual comparison demonstrating flicker-free operation.

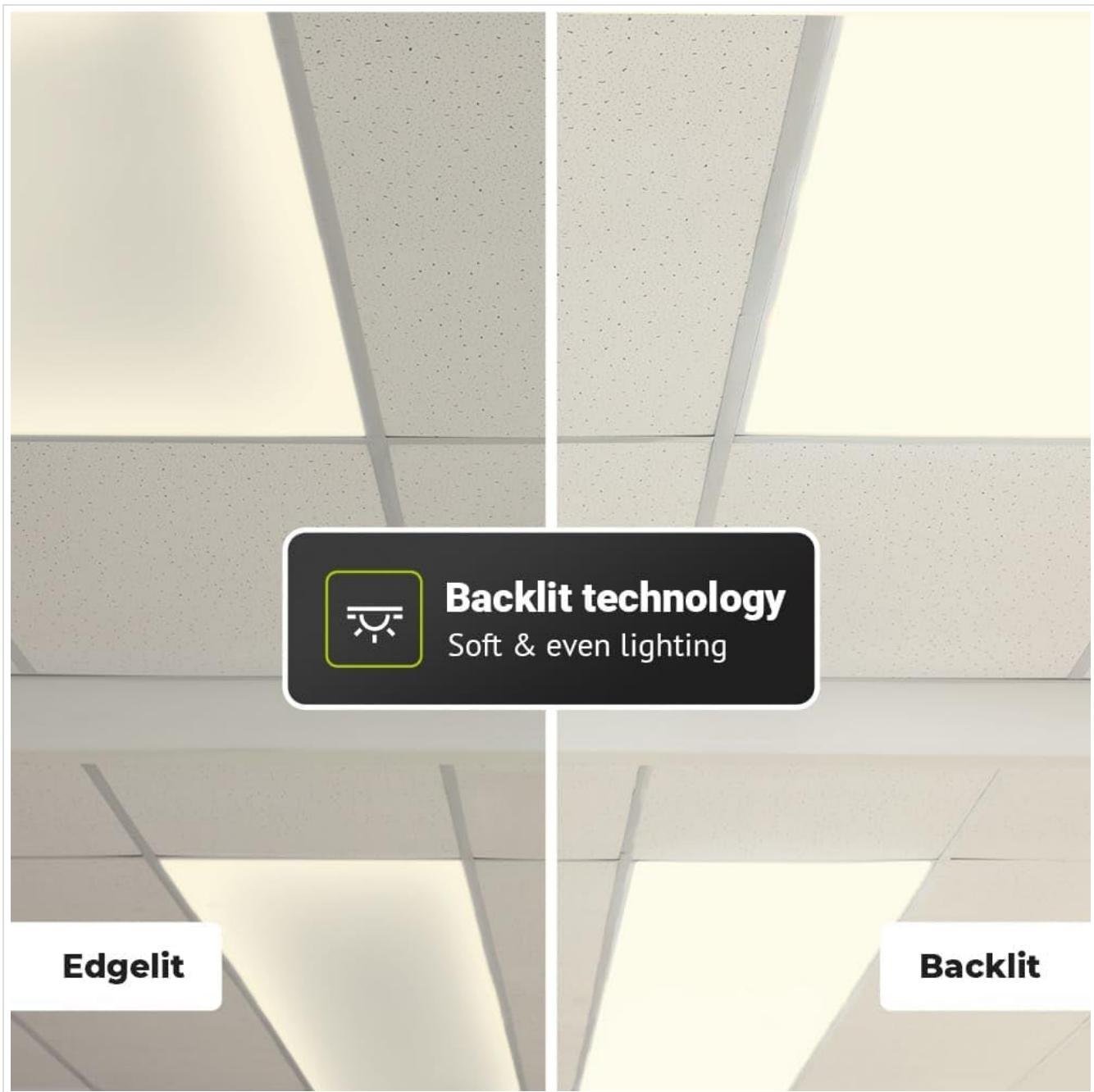


Image 4.2: Explanation of backlit technology for soft and even lighting.

5. SETUP AND INSTALLATION

The HOFTRONIC LED panel is designed for straightforward installation, particularly in suspended ceilings. Its lightweight nature allows for easier handling.

- Preparation:** Ensure the power supply to the installation area is turned off at the main circuit breaker.
- Mounting:** For suspended ceilings, remove an existing ceiling tile of the same size (120x30 cm). Place the LED panel into the opening. For other mounting types (e.g., surface mount, recessed mount), refer to specific mounting kit instructions (sold separately).
- Electrical Connection:** Connect the external LED driver to the main power supply (230 Volts AC). Ensure proper wiring according to local electrical standards. Connect the output of the LED driver to the LED panel.
- Secure Connections:** Verify all electrical connections are secure and insulated.
- Test:** Restore power and test the LED panel's functionality.



Image 5.1: Illustration of easy installation of the LED panel.

6. OPERATING INSTRUCTIONS

The HOFTRONIC LED panel operates via a standard wall switch connected to its power supply. Once installed and wired correctly:

- To turn the light ON, flip the connected wall switch to the 'ON' position.
- To turn the light OFF, flip the connected wall switch to the 'OFF' position.

No additional controls or settings are required for basic operation.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED panel:

- **Cleaning:** Ensure the power is off before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the panel. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or optical properties.

- **Inspection:** Periodically check for any visible damage to the panel or wiring. If any damage is observed, disconnect power and consult a qualified technician.
- **Driver Replacement:** The external driver is designed to be replaceable. If the panel malfunctions due to driver failure, a qualified technician can replace it.

8. TROUBLESHOOTING

If you encounter issues with your HOFTRONIC LED panel, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Panel does not light up	No power supply Loose wiring connection Faulty LED driver	Check circuit breaker and wall switch. Verify all wiring connections are secure (ensure power is off). Contact a qualified electrician to test or replace the driver.
Light flickers	Unstable power supply Faulty LED driver Incompatible dimmer (if applicable)	Ensure stable power. If issue persists, consult electrician. Contact a qualified electrician to test or replace the driver. This model is not specified as dimmable. If a dimmer is used, remove it.
Reduced brightness	Dust accumulation on panel Aging LED components	Clean the panel surface (ensure power is off). LEDs have a long lifespan, but gradual degradation can occur over many years.

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

9. SPECIFICATIONS

Attribute	Value
Brand	HOFTRONIC
Model Number	2714758
Product Dimensions (L x W x H)	120 x 30 x 3 cm
Weight	5 Kilograms
Material	Aluminum (frame), Plastic (shade)
Color Temperature	3000 Kelvin (Warm White)
Luminous Flux	4860 lm
Wattage	36 Watts
Voltage	230 Volts
Power Source	AC (Alternating Current)
Installation Type	Wall Mount (also suitable for suspended ceilings)
Special Features	Reinforced back wall, 34mm slim design, non-yellowing polystyrene panel, replaceable external driver, certified flicker-free transformer.

Attribute	Value
Certification	CE
Energy Efficiency Rating	D

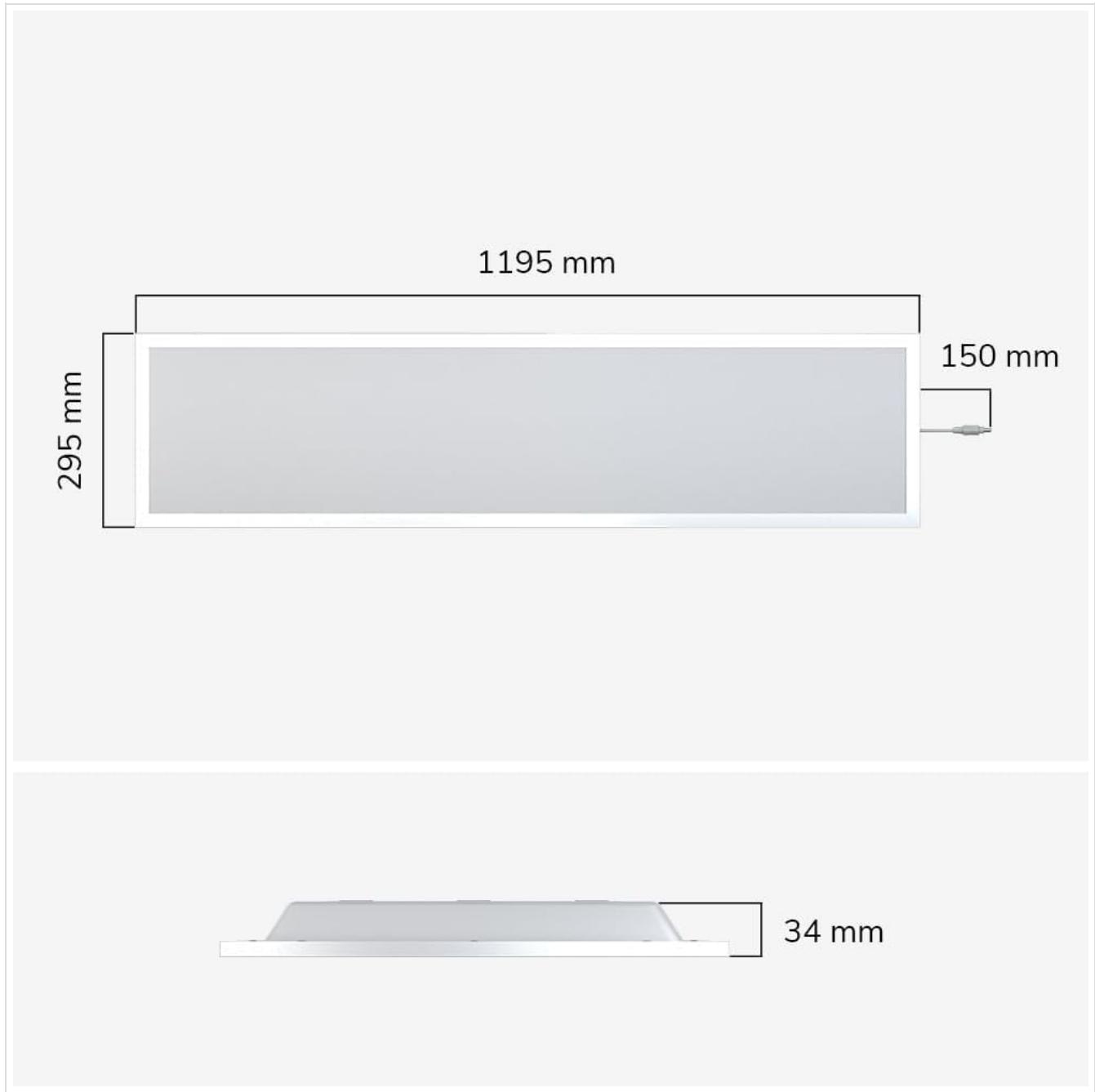


Image 9.1: Dimensions of the LED panel.



Image 9.2: Dimensions of the external LED driver.

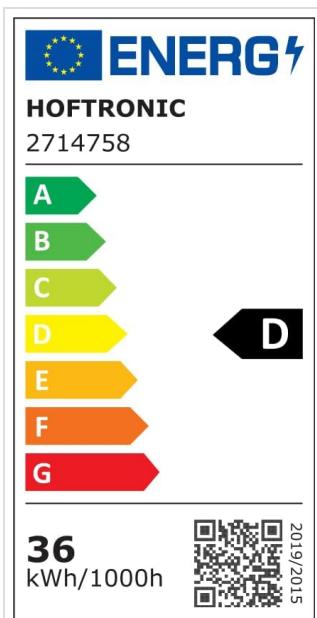


Image 9.3: Energy label for the product. For more details, visit the [EPREL database](#).

10. WARRANTY AND SUPPORT

This HOFTRONIC LED panel comes with a **5-year warranty**. During this period, any defects will be replaced free of charge.

For technical support, warranty claims, or any questions regarding the product, please contact HOFTRONIC customer service through your retailer or the official HOFTRONIC website.