HOFTRONIC 2706326

HOFTRONIC Tri-Proof LED TL Armature User Manual

Brand: HOFTRONIC | Model: 2706326

1. Product Overview

The HOFTRONIC Tri-Proof LED TL Armature is a robust and efficient lighting solution designed for demanding environments. This 120cm LED fixture is engineered to be water-resistant (IP65), dust-resistant, and resistant to chemical vapors, making it suitable for a wide range of applications. It offers significant energy savings and features a plug-and-play design for easy installation.



Figure 1.1: Four HOFTRONIC Tri-Proof LED TL Armatures, highlighting their robust end caps and cable glands.

Key Features:

- **Tri-Proof Design:** Waterdicht (IP65), stofdicht, bestand tegen chemische dampen, schokbestendig, and operational in temperatures from -20°C to 40°C.
- **Energy Efficiency:** Consumes only 36 watts while producing 4320 lumens, replacing a 62 Watt TL lamp and saving up to 50% on energy costs.
- **Plug and Play:** Integrated light source, eliminating the need for separate LED tubes. Comes with all necessary mounting hardware.
- **Linkable:** Up to 10 units can be connected together for extended lighting solutions.
- **Versatile Applications:** Suitable for basements, cold storage, kitchens, garages, barns, warehouses, public outdoor spaces, and parking garages due to IK07 vandalism protection and diffuse light output.
- **Long Lifespan:** Constructed from ABS and polycarbonate for durability, offering a lifespan of 25,000 hours.

2. Safety Instructions

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

- Always disconnect power at the circuit breaker before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Ensure the supply voltage matches the fixture's requirements (230 Volts).
- Do not modify the fixture in any way. Unauthorized modifications may void the warranty and create safety hazards.
- Avoid looking directly into the LED light source when it is illuminated, as this may cause eye strain.
- Keep the fixture away from flammable materials.
- Ensure proper grounding to prevent electric shock.
- Do not operate the fixture if it is damaged. Contact customer support for assistance.

3. Setup

3.1 Unpacking

Carefully remove the LED TL armatures and all components from the packaging. Verify that all parts listed in the package contents are present and undamaged. Retain packaging for future transport or storage if needed.

3.2 Mounting

The fixture is designed for ceiling mounting. Use the provided mounting clips and screws for secure installation.

1. Mark the desired mounting locations on the ceiling. Ensure adequate spacing for light distribution.
2. Drill pilot holes at the marked locations. Insert wall plugs if necessary.
3. Attach the mounting clips to the ceiling using the screws.
4. Align the LED TL armature with the mounted clips and snap it into place. Ensure it is securely fastened.

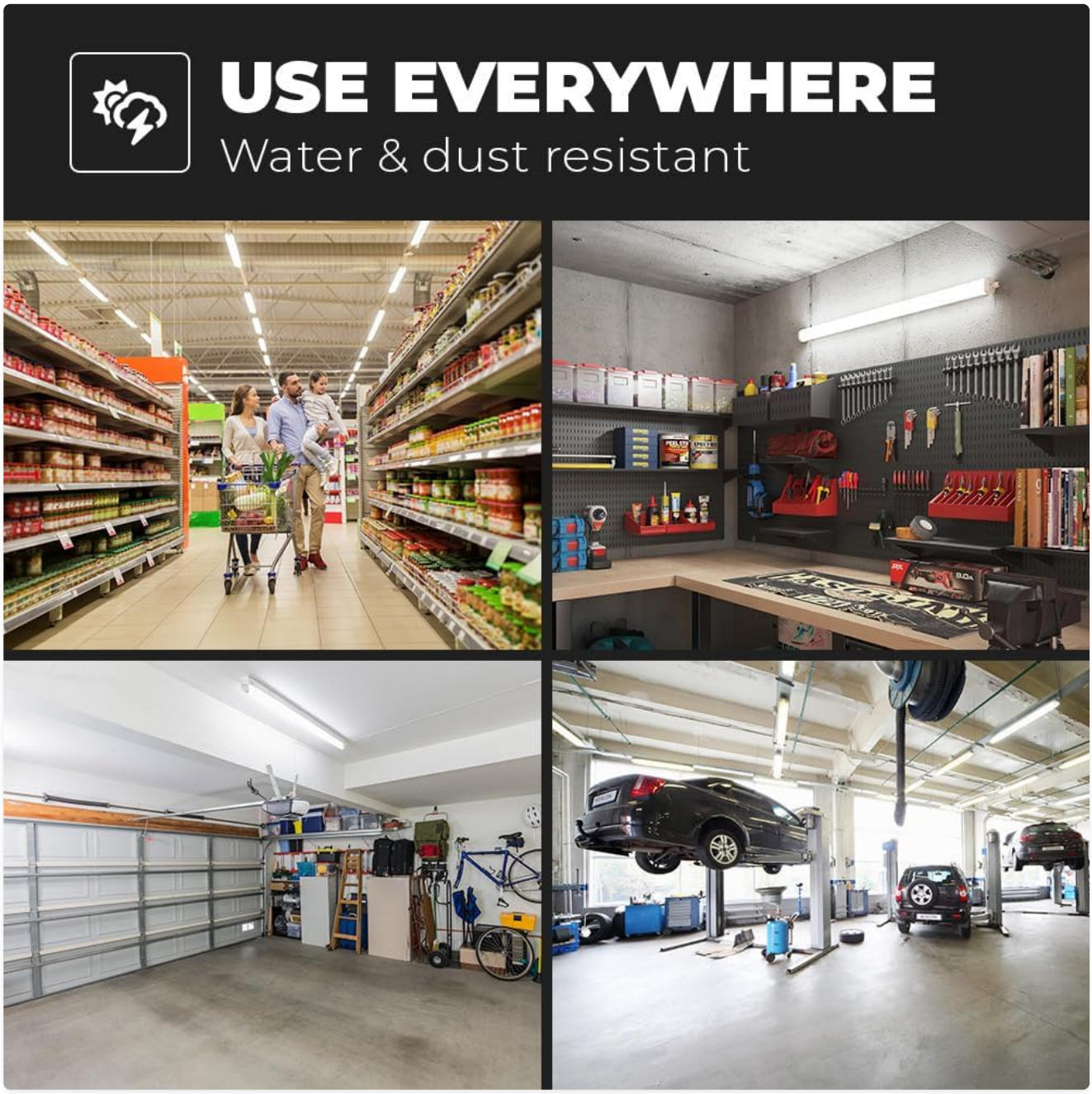


Figure 3.1: Installation diagram illustrating the mounting process with clips and screws.

3.3 Wiring

The fixture comes with integrated wiring for direct connection to your electrical system. Ensure power is OFF before proceeding.

1. Open the wiring compartment at the end of the fixture.
2. Connect the live, neutral, and ground wires from your electrical supply to the corresponding terminals inside the fixture. Use the provided connection glands to ensure a watertight seal (IP65).
3. Securely close the wiring compartment.

Linking Multiple Fixtures:

This LED TL armature is designed to be linkable, allowing you to connect up to 10 units in series. Use appropriate connecting cables (not included, but compatible with PG11 cable glands, min. 5 mm / max. 9 mm diameter) between fixtures.

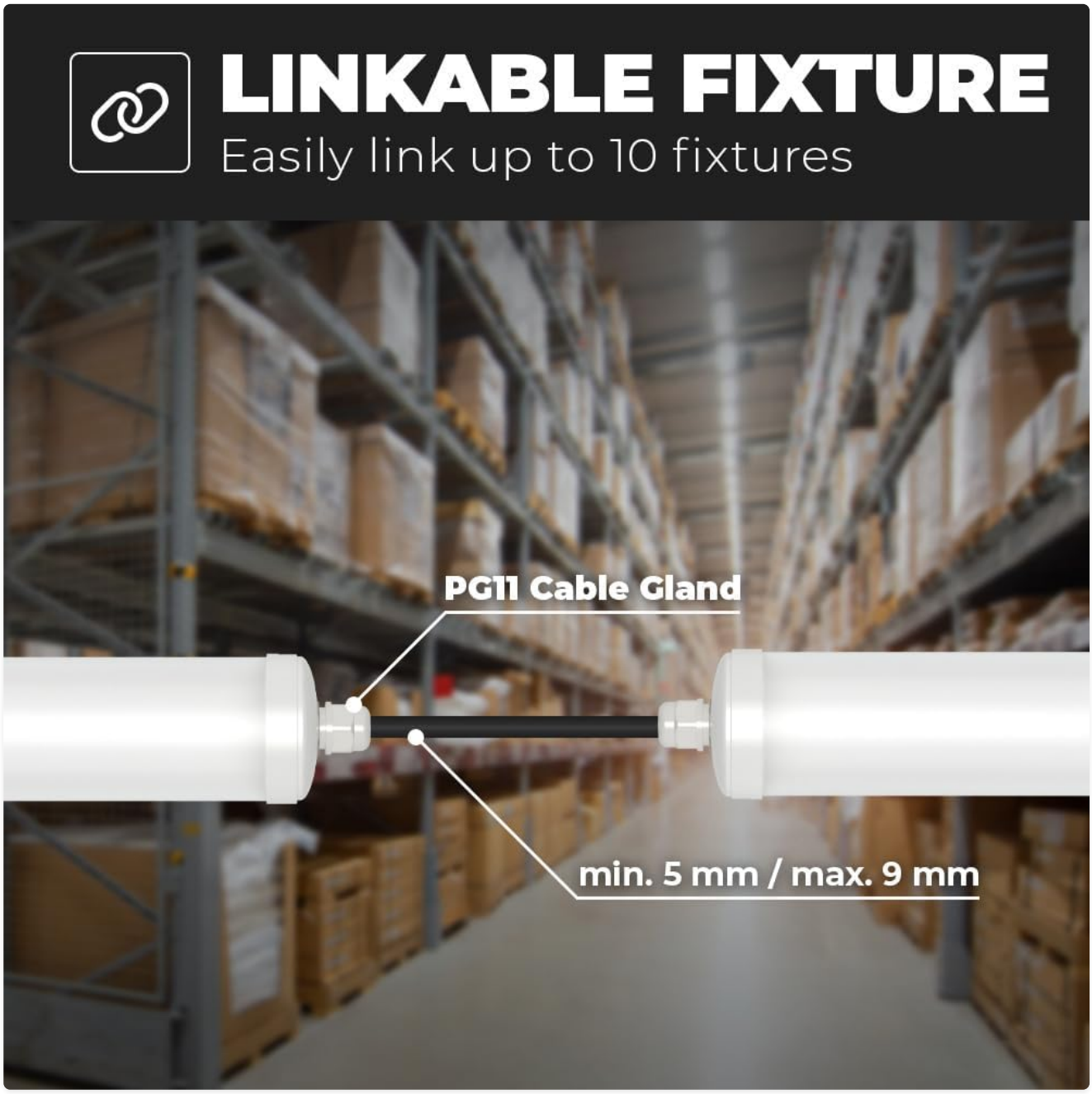


Figure 3.2: Illustration of linking two fixtures using a connecting cable and PG11 cable glands.

4. Operating

4.1 Powering On/Off

Once properly installed and wired, the LED TL armature can be powered on by activating the corresponding circuit breaker or wall switch. To turn off the light, simply deactivate the switch.

4.2 Diffuse Light Output

The HOFTRONIC LED TL armature provides diffuse light, which significantly reduces glare and eye strain. This makes it ideal for environments where visual comfort is important, such as workshops, offices, or retail spaces.

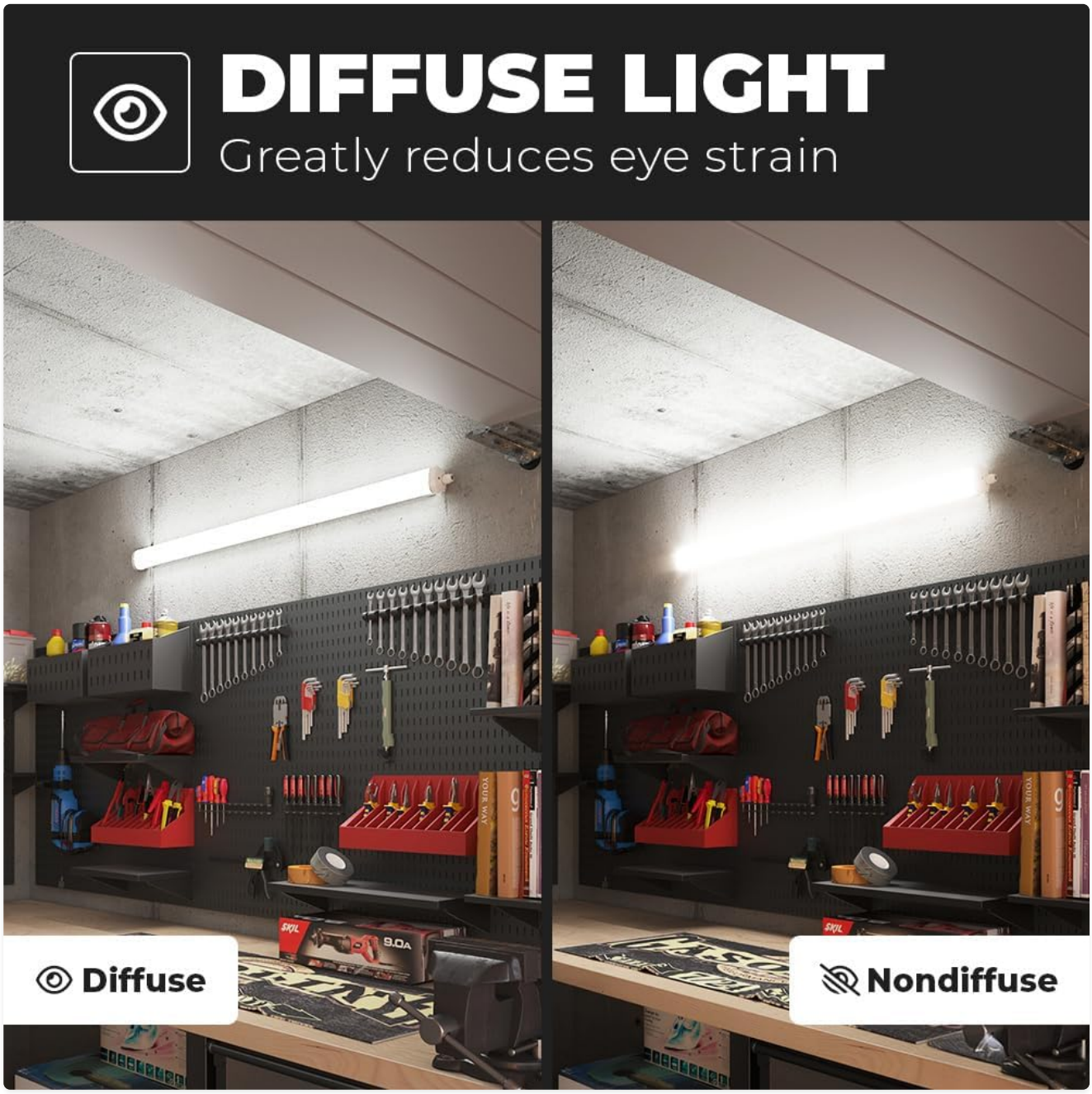


Figure 4.1: Visual comparison demonstrating the benefit of diffuse light in reducing glare.

4.3 Suitable Environments

Thanks to its robust Tri-Proof design, this fixture is suitable for a wide array of indoor and outdoor applications, including but not limited to:

- Basements and Cellars
- Cold Storage and Refrigerated Rooms
- Commercial Kitchens
- Garages and Workshops
- Agricultural Buildings (Barns)
- Warehouses and Industrial Facilities
- Parking Garages
- Public Outdoor Areas (due to IK07 vandalism protection)



Figure 4.2: Examples of diverse environments where the HOFTRONIC LED TL armature can be effectively used.

5. Maintenance

The HOFTRONIC LED TL armature requires minimal maintenance due to its durable construction and long-lasting LED technology. However, regular cleaning and inspection are recommended to ensure optimal performance and longevity.

- **Cleaning:** Disconnect power before cleaning. Use a soft, damp cloth to wipe the exterior of the fixture. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the polycarbonate and ABS materials.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear. Check the mounting points to ensure they remain secure.
- **No User-Serviceable Parts:** The LED light source is integrated and not user-replaceable. Do not attempt to open or repair the fixture beyond the wiring compartment.

6. Troubleshooting

If you encounter issues with your HOFTRONIC LED TL armature, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose wiring; faulty switch/breaker.	Check power supply at the source. Verify all wiring connections are secure. Test the switch or circuit breaker.
Light flickers or dims.	Unstable power supply; loose connection; incompatible dimmer (not designed for dimming).	Ensure stable power. Check wiring connections. This fixture is not designed for dimming.
Water inside the fixture.	Improperly sealed cable glands or housing.	Immediately disconnect power. Inspect and re-seal all cable glands and ensure the housing is properly closed. If damage occurred, replace the fixture.
Fixture is physically damaged.	Impact or improper handling.	Disconnect power. Do not use a damaged fixture. Contact customer support for replacement or repair options.

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

7. Specifications

Detailed technical specifications for the HOFTRONIC Tri-Proof LED TL Armature.

Attribute	Value
Brand	HOFTRONIC
Model Number	2706326
Product Dimensions	120 x 6.5 x 5.8 cm
Weight	5 kg
Ingress Protection (IP) Rating	IP65 (Waterproof, Dustproof)
Impact Protection (IK) Rating	IK07 (Vandalism protected)
Wattage	36 Watts

Attribute	Value
Luminous Flux	4320 Lumens
Color Temperature	4000 Kelvin (Neutral White)
Voltage	230 Volts
Material	ABS, Polycarbonate, Stainless Steel
Lifespan	25,000 hours
Operating Temperature	-20°C to 40°C
Number of Lights (in pack)	4
Linkable Units	Up to 10 units
Mounting Type	Ceiling Mount
Power Source	Electric

Energy Efficiency Label:

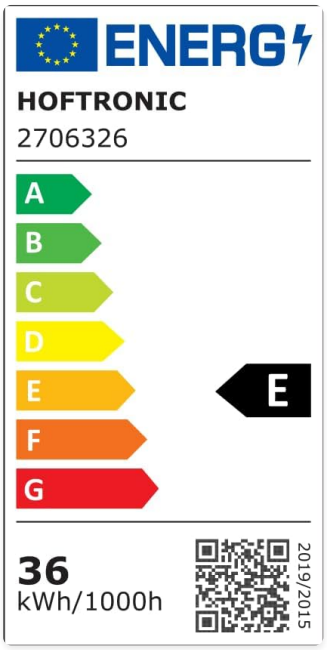


Figure 7.1: Energy Efficiency Label for the HOFTRONIC LED TL Armature.

For more details, visit the EPREL database.

8. Warranty and Support

HOFTRONIC stands behind the quality of its products.

8.1 Warranty Information

This HOFTRONIC LED TL Armature comes with a**2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Defective lamps will be replaced free of charge.

The warranty does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or modifications.

8.2 Customer Support

For technical assistance, warranty claims, or any other inquiries, please contact HOFTRONIC customer support through your retailer or the official HOFTRONIC website. Please have your product model number (2706326) and proof of purchase ready when contacting support.

For more information, visit: www.hoftronic.com

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