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HOFTRONIC 2700898

HOFTRONIC LED Damp-Proof Luminaire User Manual

Model: 2700898

1. Safety Information

Please read this manual carefully before installation and operation. Keep it for future reference.

- **Electrical Safety:** Installation should only be performed by a qualified electrician in accordance with local wiring regulations. Ensure the power supply is disconnected before any installation or maintenance work.
- **Product Integrity:** Do not modify or disassemble the luminaire. Any modifications will void the warranty and may pose a safety risk.
- **Environmental Conditions:** This luminaire is designed for damp and dusty environments with an IP65 rating (waterproof and dustproof) and IK07 protection (impact resistant). It operates safely within temperatures from -20°C to +40°C.
- **Disposal:** Dispose of the product responsibly at the end of its lifespan, following local regulations for electronic waste.

2. Product Overview

The HOFTRONIC LED Damp-Proof Luminaire is a high-performance lighting solution designed for demanding environments. Its robust construction and efficient LED technology make it ideal for various applications.

Key Features:

- **Multi-Protection (IP65 & IK07):** Waterproof, dustproof, impact-resistant, and resistant to chemical vapors.
- **Energy Efficient:** Produces 4320 lumens with only 36 Watts, saving up to 50% energy compared to traditional fluorescent lamps.
- **Linkable:** Easily connect up to 10 luminaires using the provided connection fittings for extended lighting solutions.
- **Versatile Application:** Suitable for cellars, cold rooms, kitchens, garages, sheds, warehouses, public areas, and parking garages.
- **Durable Construction:** Made from high-quality ABS and Polycarbonate, ensuring a long lifespan of 25,000 hours.
- **Compact Design:** Low installation height of only 5.8 cm, making it suitable for various mounting scenarios, including under-cabinet lighting.



Figure 2.1: HOFTRONIC LED Damp-Proof Luminaire, showcasing its sleek design and robust end cap with cable gland.

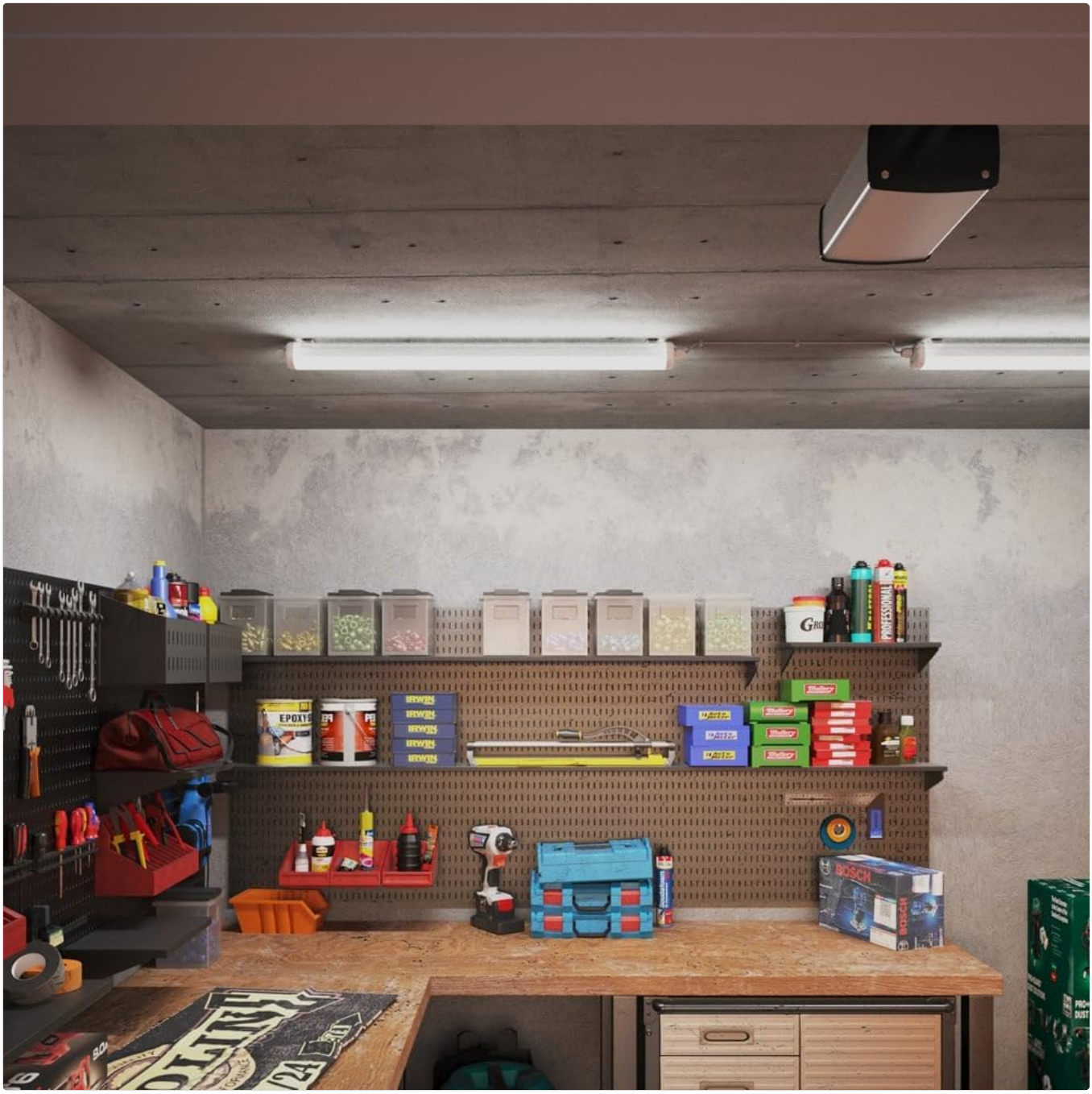


Figure 2.2: Luminaire providing bright, uniform illumination in a garage workshop setting.



Figure 2.3: Multiple luminaires installed in a warehouse aisle, demonstrating their suitability for large industrial spaces.

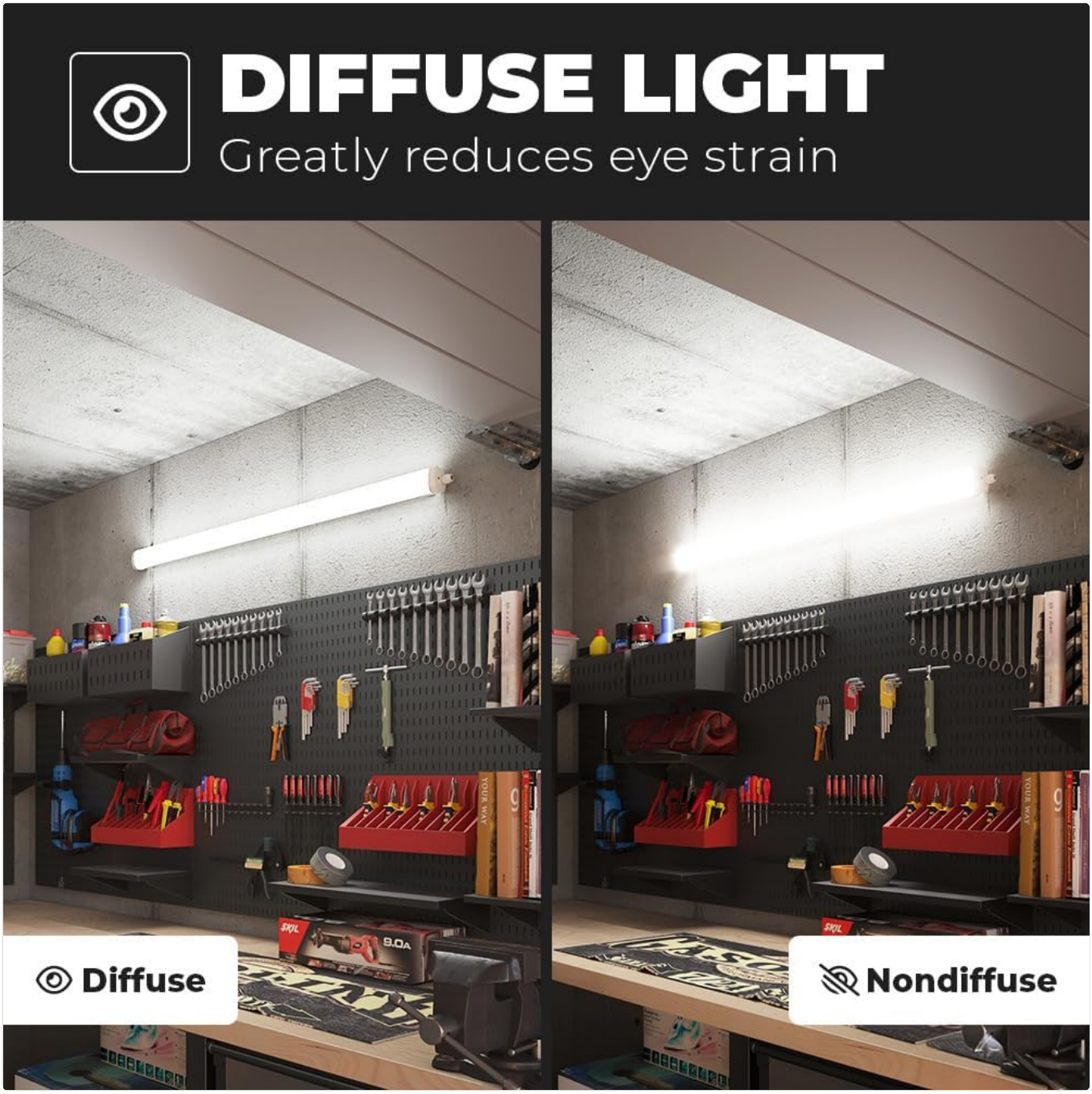


Figure 2.4: Visual comparison illustrating the benefits of diffuse light, which reduces eye strain.



Figure 2.5: Examples of diverse environments where the luminaire can be used, including supermarkets, workshops, and garages.

3. Setup and Installation

The HOFTRONIC LED Damp-Proof Luminaire features a "Plug and Play" design, simplifying the installation process. The light source is integrated, eliminating the need to purchase separate LED tubes.

3.1. Mounting the Luminaire

1. Identify the desired mounting location. Ensure the surface is suitable for supporting the luminaire's weight.
2. Use the provided mounting brackets and screws. Mark the drilling points on the ceiling or wall.
3. Drill holes and insert appropriate wall plugs if necessary.
4. Secure the mounting brackets to the surface.
5. Attach the luminaire to the secured mounting brackets. Ensure it clicks firmly into place.



Figure 3.1: Step-by-step diagram illustrating the mounting process, including securing brackets and attaching the luminaire.

3.2. Electrical Connection

1. Ensure the main power supply is switched off at the circuit breaker before making any electrical connections.
2. Open the wiring compartment at the end of the luminaire.
3. Connect the live (L), neutral (N), and ground (PE) wires from your power supply to the corresponding terminals inside the luminaire.
4. Secure the cable with the PG11 cable gland to ensure IP65 protection.
5. Close the wiring compartment securely.

3.3. Linking Multiple Luminaires

This luminaire supports linking up to 10 units together. Use the provided connection fittings for a seamless and secure connection.

1. After mounting the first luminaire, connect a suitable cable (min. 5 mm / max. 9 mm diameter) from its output cable gland to the input cable gland of the next luminaire.
2. Ensure all connections are tight and the cable glands are properly sealed to maintain the IP65 rating.
3. Repeat for additional luminaires, up to a maximum of 10 units in a single chain.

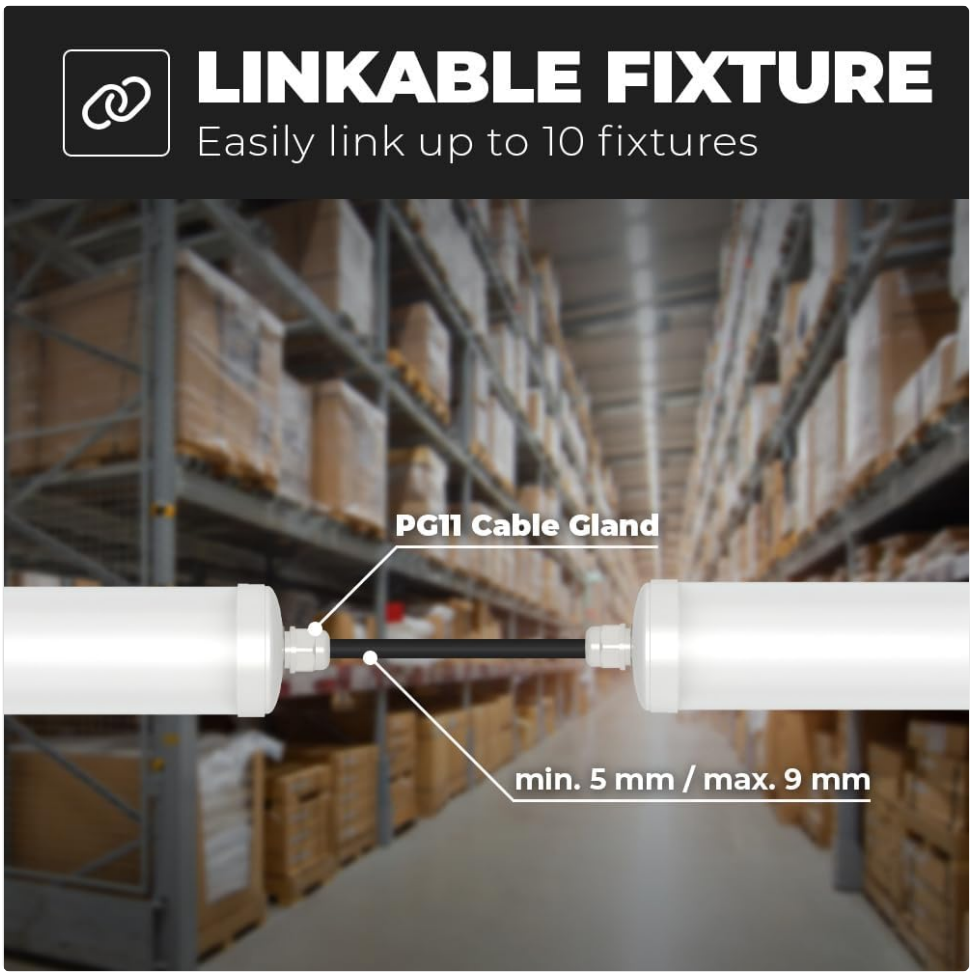


Figure 3.2: Illustration of the linkable feature, showing how to connect multiple fixtures using a cable and PG11 cable glands.

4. Operating Instructions

Once installed and connected to the power supply, the HOFTRONIC LED Damp-Proof Luminaire operates simply by switching on the connected power circuit.

- **Power On/Off:** Control the luminaire using the wall switch connected to its power supply.
- **Light Quality:** The luminaire emits a neutral white light (4000K) which is ideal for workspaces, providing clear and comfortable illumination without glare.
- **Diffuse Light:** The design incorporates diffuse light technology, which significantly reduces eye strain, making it suitable for prolonged use in various environments.

5. Maintenance

The HOFTRONIC LED Damp-Proof Luminaire is designed for minimal maintenance due to its durable construction and long lifespan.

- **Cleaning:** To clean the luminaire, ensure the power is off. Use a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the plastic housing.
- **Chemical Resistance:** The high-quality plastic (ABS and Polycarbonate) used in the luminaire's construction prevents it from becoming porous even after prolonged exposure to chemical vapors.
- **Lifespan:** With an average lifespan of 25,000 hours, the LED light source is designed for long-term operation, reducing the need for frequent replacements.

6. Troubleshooting

If you encounter issues with your HOFTRONIC LED Damp-Proof Luminaire, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Luminaire does not turn on.	No power supply; Loose wiring connection; Faulty switch.	Check if the circuit breaker is on. Verify all wiring connections are secure. Test the switch for functionality.
Light flickers or is dim.	Unstable power supply; Loose connection.	Ensure stable power. Check and tighten all electrical connections.
Water or dust ingress.	Improperly sealed cable gland or housing.	Ensure all cable glands are tightened and the housing is properly closed. If damage is present, contact support.

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

7. Specifications

Attribute	Value
Brand	HOFTRONIC
Model Number	2700898
Product Dimensions	120 x 6.5 x 5.8 cm
Item Weight	5 Kilograms
Protection Class	IP65
Material	Plastic (ABS, Polycarbonate)
Voltage	230 Volts
Power Consumption	36 Watts
Luminous Flux	4320 Lumens
Color Temperature	4000 Kelvin (Neutral White)
Lifespan	25,000 Hours
Certification	RoHS
Linkable	Yes, up to 10 units
Energy Efficiency Rating	E

For detailed energy information, please refer to the EPREL database:https://eprel.ec.europa.eu/qr/1421900

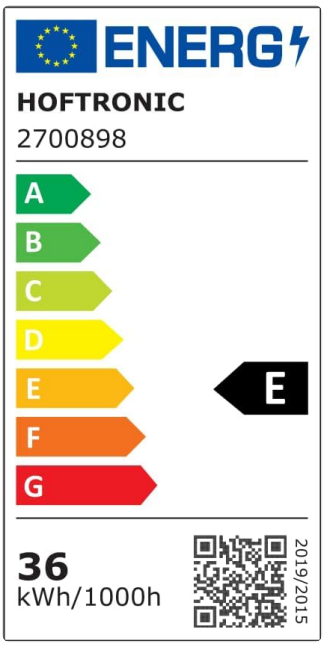


Figure 7.1: Energy Efficiency Label for Model 2700898.

8. Warranty and Support

HOFTRONIC products are built to last. This LED Damp-Proof Luminaire comes with a warranty of up to 10 years, ensuring long-term reliability and performance.

- **Warranty:** Refer to your purchase documentation for specific warranty terms and conditions. Generally, HOFTRONIC offers up to 10 years warranty on this product.
- **Customer Support:** For technical assistance, warranty claims, or any other inquiries, please contact HOFTRONIC customer support through their official website or the retailer where the product was purchased.
- **Recycling Information:** For information on recycling this and other types of lamps, please consult local recycling guidelines.
- **Disposal of Broken or Damaged Lamps:** Learn more about the proper disposal of broken or damaged lamps by consulting local waste management authorities.

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