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› HOFTRONIC LED Damp Room Light - 150 cm, 60W, 4000K Neutral White (Model 552531) Instruction Manual

HOFTRONIC 552531

HOFTRONIC LED Damp Room Light - Model 552531 Instruction Manual

PRODUCT OVERVIEW

This manual provides comprehensive instructions for the HOFTRONIC LED Damp Room Light, a 150 cm, 60W fixture designed for various environments. It features a neutral white light at 4000K and an IP65 rating for water and dust resistance, making it suitable for both indoor and outdoor applications.

The fixture is equipped with two LED fluorescent tubes, delivering a total of 9600 lumens at an efficiency of 160 lumens per watt. It is constructed from durable ABS and polycarbonate materials, offering resistance to chemical vapors and impacts. The patented flicker-free design ensures stable illumination, reducing eye strain.

IMPORTANT SAFETY INFORMATION

WARNING: Always disconnect the power supply at the main circuit breaker before attempting any installation, maintenance, or repair procedures to prevent electric shock.

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Do not modify the product in any way not explicitly described in this manual. Unauthorized modifications may void the warranty and pose safety risks.
- Ensure the mounting surface is structurally sound and capable of supporting the weight of the fixture.
- The operating temperature range for this fixture is -20 °C to +40 °C. Do not operate outside this range.
- Keep packaging materials out of reach of children.

PACKAGE CONTENTS

Verify that all the following components are included in your package:

- 1x HOFTRONIC LED Damp Room Light Fixture
- 2x LED Tubes (G13 fitting)
- 1x LED Driver (integrated)

- Mounting Screws
- Wall Plugs
- Stainless Steel Mounting Brackets

INSTALLATION INSTRUCTIONS

1. Preparation

- Before starting, ensure the power supply to the installation area is completely disconnected at the main circuit breaker.
- Unpack all components and inspect them for any damage.

2. Mounting the Fixture

Select a suitable mounting location. The fixture is designed for secure wall or ceiling mounting.



Image: Close-up of the fixture's mounting clips and cable gland.

- Use the provided mounting brackets as a template to mark the drilling points on your chosen surface.
- Drill holes at the marked points and insert the wall plugs.
- Securely attach the mounting brackets to the surface using the provided screws.
- Attach the light fixture to the installed mounting brackets.

3. Electrical Connection

Access the internal wiring compartment by carefully turning the two plastic nipples located on the top ends of the fixture's metal cover. Once turned, the cover can be lifted.



PREMIUM LED FIXTURES

▶▶▶ energy-efficient, durable and jet-protected.
The LED fixture has a G13 fitting, suitable for T8
LED tubes.



IN SERIES
LINKABLE

◀◀◀
G13
FITTING

Image: Internal view of the fixture with G13 sockets and wiring.

- Connect the main power supply (220-240V AC) to the fixture's wiring terminals. Ensure correct connection of Live (L), Neutral (N), and Earth (PE) wires.
- This fixture supports linking multiple units in series. If connecting multiple lights, use the cable glands on the side of the fixture for secure and waterproof cable entry/exit.

4. Inserting LED Tubes

Carefully insert the two LED tubes into the G13 sockets within the fixture. Ensure they are securely seated and twisted into place.



FLICKER FREE LED DRIVER

▶▶▶ the patented design provides stable light, preventing fatigue and headaches.

160
lumen/Watt



Image: LED tube with G13 pins, demonstrating flicker-free technology.

5. Closing the Fixture

- Replace the fixture cover, ensuring it is properly aligned and the plastic nipples are turned back to their locked position to maintain the IP65 seal.
- Secure the cover with the stainless steel clamps provided.

6. Power On

- Restore power at the main circuit breaker.
- Test the light fixture to ensure proper operation.

OPERATING INSTRUCTIONS

The HOFTRONIC LED Damp Room Light is designed for simple operation:

- The light is controlled by a standard wall switch connected to its power supply.
- Upon activation, the fixture provides instant, flicker-free neutral white light at 4000K.
- This fixture is not dimmable.

COMPATIBLE WITH:



230V
Main



Magnetic
Ballast (KVG)*

NOT COMPATIBLE WITH:



Electronic
Ballast (EVG)



High frequency
Ballast (EVG)

*Only with LED starter

Image: Compatibility information for different ballast types.

MAINTENANCE

To ensure optimal performance and longevity of your HOFTRONIC LED Damp Room Light, follow these maintenance guidelines:

- **Cleaning:** Disconnect power before cleaning. Clean the exterior of the fixture with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the polycarbonate and ABS materials.
- **Tube Replacement:** If an LED tube needs replacement, ensure the power is off. Carefully open the fixture, remove the old tube by twisting and pulling, and insert a new compatible G13 LED tube. Ensure the new tube is securely seated before closing the fixture.
- **Inspection:** Periodically check the mounting hardware and electrical connections for security and signs of wear or damage.

TROUBLESHOOTING

If you encounter issues with your HOFTRONIC LED Damp Room Light, refer to the following troubleshooting steps:

- **Light does not turn on:**

- Check the power supply at the main circuit breaker to ensure it is not tripped.
- Verify that all electrical connections within the fixture are secure and correctly wired.
- Ensure both LED tubes are correctly inserted into their G13 sockets.
- Confirm that the wall switch is in the 'ON' position.

- **Light flickers:**

- This fixture is designed to be flicker-free. If flickering occurs, check for unstable power supply or loose connections.
- Ensure the fixture is not connected to an incompatible ballast type (e.g., electronic or high-frequency ballasts).

- **Reduced brightness:**

- Clean the exterior of the fixture and the LED tubes to remove any dust or debris that may be obstructing light output.
- Verify that the correct type of LED tubes are installed and are not nearing the end of their lifespan.

If the issue persists after following these steps, please contact customer support or a qualified electrician.

TECHNICAL SPECIFICATIONS

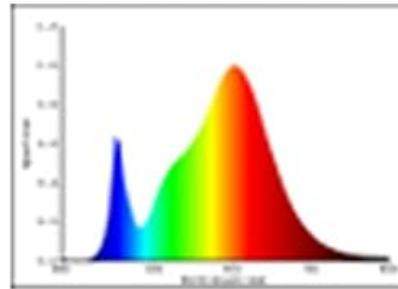
Parameter	Value
Model Number	552531
Input Voltage	220-240 V AC
Power Consumption	60 W
Luminous Flux	9600 lm
Light Color	Neutral White
Color Temperature	4000 K
Color Rendering Index (CRI)	> 80 Ra
Power Factor	> 0.95
IP Rating	IP65 (Waterproof)
Dimmable	No
Material	ABS Plastic / Polycarbonate (PC), Aluminum
Dimensions (L x W x H)	1572 x 102 x 73 mm
Operating Temperature	-20 °C to +40 °C
Average Lifespan	50,000 hours
Bulb Base	G13
Number of Bulbs	2
Energy Label	B
Certifications	CE, EMC, RoHS, LM80, TÜV

Produktdatenblatt			
DELEGIERTE VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur Energieverbrauchskennzeichnung von Lichtquellen			
Name oder Handelsmarke des Lieferanten: HOFTRONIC			
Anschrift des Lieferanten: HOF Trading Support, Fahrenheitstraat 11, 6003 DC Weert Limburg, NL			
Modellkennung: 552531			
Art der Lichtquelle:			
Verwendete Beleuchtungstechnologie:	LED	Ungebündelt oder gebündelt:	DLS
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)	G13		
Netzspannung/Nicht direkt an die Netzspannung angeschlossen:	MLS	Vernetzte Lichtquelle (CLS):	Nein
Farblich abstimmbare Lichtquelle:	Nein	Hülle:	-
Lichtquelle mit hoher Leuchtdichte:	Ja		
Blendschutzschild:	Nein	Dimmbar:	Nein
Produktparameter			
Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zustand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet	30	Energieeffizienzklasse	B
Nutzlichtstrom (düse) mit Angabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360°), in einem breiten Kegel (120°) oder in einem schmalen Kegel (90°) bezieht	4 800 in Kugel (360°)	Ähnliche Farbtemperatur, gerundet auf die nächstliegenden 100 K, oder Spanne der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	4 000
Leistungsaufnahme im Ein-Zustand (P _{in}) in W	30,0	Leistungsaufnahme im Bereitschaftszustand (P _{in}) in W, auf die zweite Dezimalstelle gerundet	0,00
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P _{in})	-	Farbwiedergabedex, auf die nächstliegende ganze Zahl gerundet	80

für CLS in W, auf die zweite Dezimalstelle gerundet			ze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	
äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungssteuerungsteile und Nicht-Beleuchtungsteile (Millimeter)	Höhe	26	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Vollast	Siehe Bild auf letzter Seite
	Breite	26		
	Tiefe	1 498		
Angabe zu einer gleichwertigen Leistungsaufnahme ^[4]		-	Falls ja, gleichwertige Leistungsaufnahme (W)	-
			Farbwertanteile (x und y)	0,386 0,385
Parameter für Lichtquellen mit gebündeltem Licht:				
Spitzenlichtstärke (cd)		382	Halbwertswinkel in Grad oder Spanne der einstellbaren Halbwertswinkel	140
Parameter für LED- und OLED-Lichtquellen:				
Wert des R9-Farbwiedergabeindex		3	Lebensdauerfaktor	0,90
Lichtstromerhalt		0,96		
Parameter für LED- und OLED-Netzspannungslichtquellen:				
Verschiebungsfaktor (cos φ1)		0,90	Farbkonsistenz in MacAdam-Ellipsen	6
Angabe, dass eine LED-Lichtquelle eine Leuchtstofflichtquelle ohne eingebautes Vorschaltgerät mit einer bestimmten Leistungsaufnahme ersetzt.		„Ja“	Falls ja, Angabe zur ersetzten Leistungsaufnahme (W)	-
Flimmer-Messgröße (Pst LM)		0,1	Messgröße für Stroboskop-Effekte (SVM)	0,9

[4] „-“: nicht zutreffend.
[4] „Ja“: nicht zutreffend.

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Image: EU Energy Label for Model 552531.

For detailed energy information, please refer to the official EU Energy Label:

[View EU Energy Label \(Model 552531\)](#)

WARRANTY AND SUPPORT

This HOFTRONIC LED Damp Room Light (Model 552531) comes with a 5-year warranty, reflecting its superior build quality and expected lifespan of over 50,000 hours.



5 YEAR WARRANTY

50.000 HOURS LIFESPAN

▶▶▶ a reduction in heat generation of up to 91%, compared to traditional LED tubes, guarantees a long lifespan of 50.000 hours.



G13

FITTING

Image: 5-Year Warranty and 50,000 Hours Lifespan.

For technical support, warranty claims, or further assistance, please contact your authorized HOFTRONIC retailer or visit the official HOFTRONIC website for contact information.