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HOFTRONIC H4404659

HOFTRONIC Barcelona Dimmable LED Recessed Spotlights

Model: H4404659 (Set of 3, 5W, 4000K, IP44)

1. Introduction

Thank you for choosing HOFTRONIC Barcelona Dimmable LED Recessed Spotlights. This manual provides essential information for the safe installation, operation, and maintenance of your new lighting fixtures. Please read these instructions carefully before installation and retain them for future reference.

The HOFTRONIC Barcelona LED recessed spotlight is designed for both dry and damp environments, including bathrooms, thanks to its IP44 protection rating. It emits a neutral white light at 4000K and is highly energy-efficient with a power consumption of 5 watts per spotlight.



Image 1.1: A set of three HOFTRONIC Barcelona LED recessed spotlights. These spotlights feature a clean, white finish and are designed for flush mounting in ceilings.

2. Safety Information

WARNING: Electrical installation should only be performed by a qualified electrician or competent person. Always switch off the main power supply before commencing any electrical work.

- Ensure the power supply is disconnected before installation, maintenance, or bulb replacement.
- Do not install the product in areas with excessive heat or direct exposure to water beyond its IP44 rating.
- Verify that the voltage rating of the fixture matches your local power supply (230 Volts).
- Do not cover the fixture with insulating material unless specifically designed for it. Ensure adequate ventilation.
- If you are unsure about any part of the installation, consult a professional.



Image 2.1: Graphic illustrating the IP44 splashwater resistant rating. The image shows a recessed spotlight with water droplets, indicating its suitability for damp environments.

3. Installation Instructions

These LED ceiling spotlights are designed for easy "Plug and Play" installation. No advanced technical knowledge is required, but basic electrical safety precautions must be followed.

1. **Prepare the Installation Area:** Ensure the main power supply to the installation area is switched off at the circuit breaker.
2. **Measure and Cut:** The required cut-out size for installation is Ø 73 mm. The external diameter of the spotlight is Ø 83 mm, and the recessed depth is 90 mm. Use a suitable hole saw to create the opening in the ceiling.
3. **Connect Wiring:** The spotlights operate on 230V AC. Connect the live (L) and neutral (N) wires from your power supply to the provided cable connectors. Ensure secure connections. If connecting multiple spotlights, follow the wiring diagram for series connection.
4. **Insert Spotlight:** Gently push the spotlight into the prepared ceiling opening. The spring clips will hold the fixture

securely in place.

5. **Restore Power:** Once all spotlights are securely installed and wired, restore power at the circuit breaker.

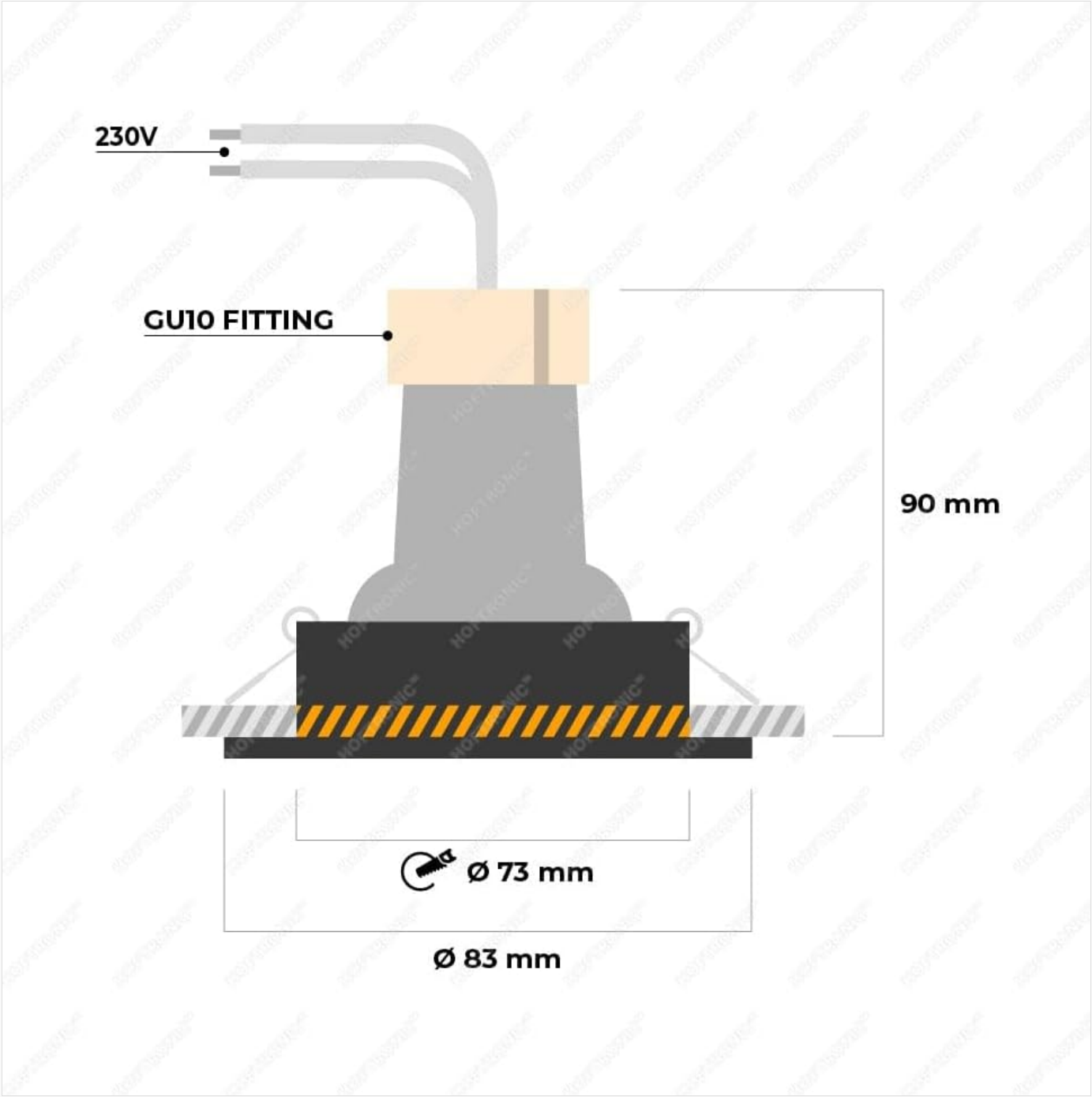


Image 3.1: Technical diagram showing the dimensions for installation. It indicates a recessed depth of 90 mm, a cut-out diameter of Ø 73 mm, and an external diameter of Ø 83 mm. It also shows the GU10 fitting and 230V connection points.

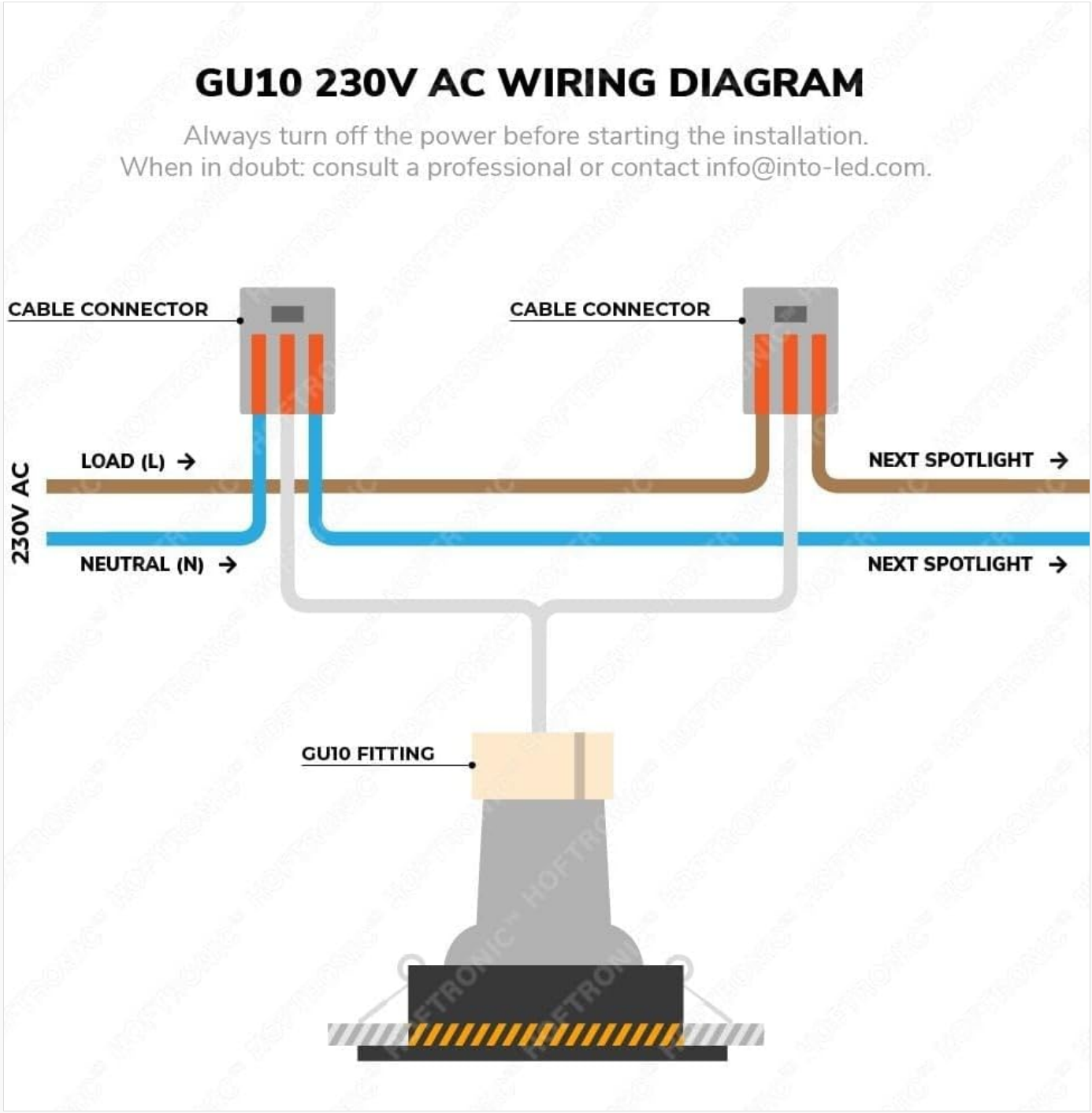


Image 3.2: Wiring diagram for GU10 230V AC spotlights. It illustrates how to connect the Live (L) and Neutral (N) wires using cable connectors for a single spotlight and for connecting multiple spotlights in series. Always turn off power before starting installation.

4. Operating Instructions

Your HOFTRONIC Barcelona LED recessed spotlights are designed for simple operation and enhanced functionality.

- **Power On/Off:** Control the spotlights using your standard wall switch.
- **Dimmability:** These LED spotlights are dimmable when used with a compatible wall dimmer. This allows you to adjust the light intensity to create the desired ambiance in your space. Ensure your dimmer is suitable for LED lighting.
- **Light Color:** The spotlights emit a neutral white light at 4000 Kelvin, providing clear and functional illumination suitable for various environments.



Image 4.1: Graphic highlighting the high performance and dimmable features of the LED spotlight. It also mentions energy efficiency (5 Watt) and available color temperatures (2700K/4000K/6000K), though this specific model is 4000K.

5. Maintenance

HOFTRONIC LED spotlights require minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the spotlight. Avoid abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electrical components.
- **Bulb Replacement:** These fixtures use integrated LED technology, meaning the LED light source is not typically user-replaceable. The average lifespan is 15,000 hours.
- **Recycling:** At the end of their lifespan, dispose of LED products responsibly according to local electronic waste regulations. Do not dispose of them with general household waste.

6. Troubleshooting

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

- **Light does not turn on:**
  - Check if the power supply is connected and switched on.
  - Verify that the circuit breaker has not tripped.
  - Ensure all wiring connections are secure.
  - Test with a known working light fixture if possible to rule out a faulty power source.
- **Light flickers or dims unexpectedly:**
  - Ensure you are using a compatible LED dimmer. Incompatible dimmers can cause flickering.
  - Check for loose wiring connections.
  - Verify that the total wattage of connected lights does not exceed the dimmer's capacity.
- **Light is not as bright as expected:**
  - If using a dimmer, ensure it is set to maximum brightness.
  - Check for dust or debris on the light surface that might be obstructing light output.

If problems persist after following these steps, contact customer support.

7. Specifications

Feature	Specification
Brand	HOFTRONIC
Model Number	H4404659
Product Dimensions (L x W x H)	8.3 x 8.3 x 9 cm
Weight	5 Kilograms (for the set)
IP Rating	IP44 (Splashwater Resistant)
Number of Items	3
Style	Modern
Material	Aluminium
Finish Type	Powder Coating
Maximum Wattage	5 Watts per spotlight
Voltage	230 Volts
Specific Uses	Outdoor and enclosed spaces (e.g., bathroom, terrace)
Special Feature	Water Resistant
Shade Color	White
Light Angle	Downlight

Plug Type	AC/DC
Installation Type	Ceiling Mount
Bulb Type	LED (Integrated)
Energy Label	A++ (Old rating), G (New rating)
Luminous Flux	400 lm
Incandescent Equivalent	50 Watts
Color Temperature	4000 Kelvin (Neutral White)
Average Lifespan	15000 Hours
Components Included	Bulb (integrated LED)

For detailed energy information, refer to the EPREL database:
EPREL Product Information Sheet

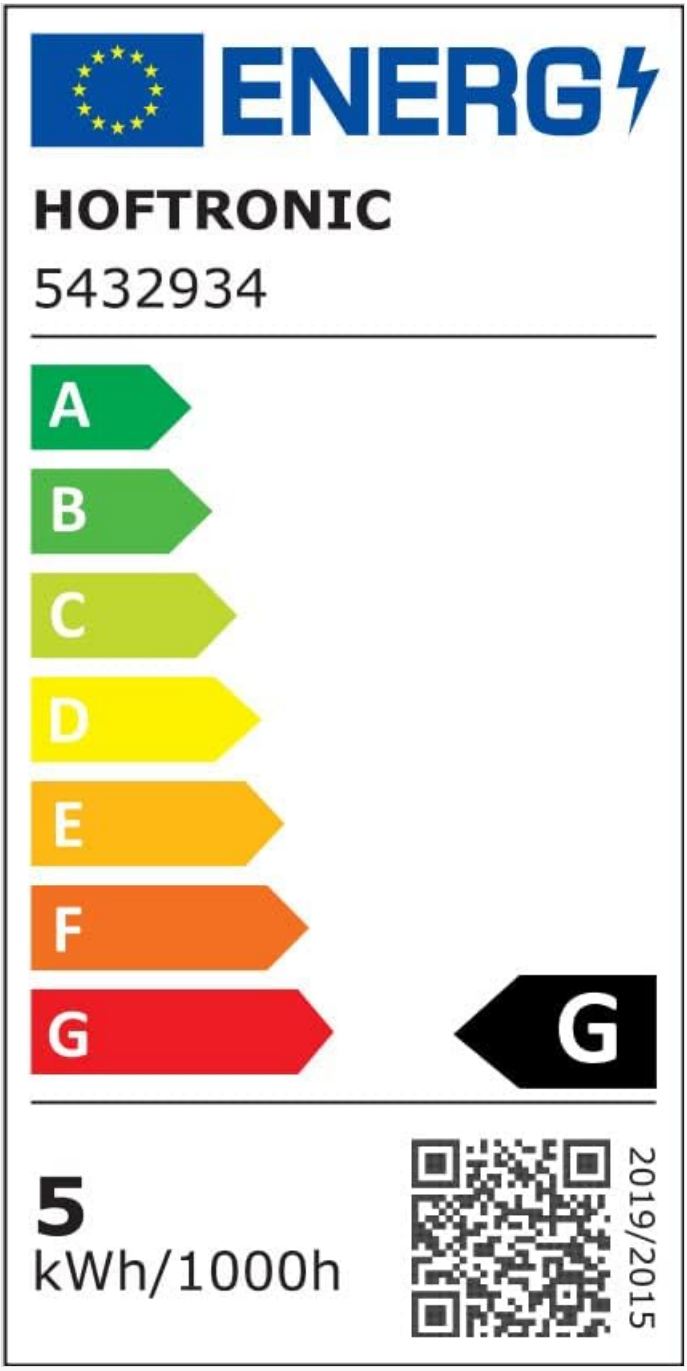


Image 7.1: The EU Energy Label for the HOFTRONIC LED spotlight, showing an energy efficiency class of G and a consumption of 5 kWh/1000h.

8. Warranty and Support

HOFTRONIC products are manufactured to high-quality standards. For warranty information, please refer to the terms and conditions provided at the point of purchase or visit the official HOFTRONIC website.

If you require technical assistance, have questions about installation, or need to report a fault, please contact HOFTRONIC customer support. Contact details can typically be found on the product packaging or the official brand website.

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