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Hafele Loox5 LED 2060

Hafele Loox5 LED 2060 Strip Light User Manual

Model: Loox5 LED 2060

1. Introduction

The Hafele Loox5 LED 2060 Strip Light is a flexible, dimmable 12V LED lighting solution designed for functional and indirect illumination in various indoor applications, such as closet storage spaces and furniture. This manual provides essential information for the safe and proper installation, operation, and maintenance of your LED strip light.

This product features high-quality Samsung LEDs, a narrow 3/16 inch (5 mm) width, and a high Color Rendering Index (CRI) of >90 for vibrant, true color rendering. It is UL certified and can be shortened at designated intervals.

2. Safety Information

- **Electrical Safety:** Always disconnect power before installation, maintenance, or troubleshooting. Installation should be performed by a qualified professional if you are unsure.
- **Voltage:** This LED strip operates on 12V DC. Connecting it to a higher voltage power source will damage the product and void the warranty. A compatible 12V driver (not included) is required.
- **Indoor Use Only:** This product has an IP20 rating, meaning it is not water-resistant. Do not expose it to moisture or use it in outdoor or wet environments.
- **Cutting:** Only cut the LED strip at the designated cut marks (every 1 inch / 25 mm). Cutting elsewhere will damage the circuit and render that section unusable.
- **Heat:** Ensure adequate ventilation around the LED strip to prevent overheating, which can reduce its lifespan.
- **Handling:** Avoid bending the strip sharply or applying excessive force, as this can damage the internal components.

3. Package Contents

Verify that all components are present and undamaged upon unpacking:

- Hafele Loox5 LED 2060 Strip Light (16.4 ft / 5 m roll)
- Self-adhesive backing
- Lead cable (78 3/4 inches / 2 m)

Note: *A 12V power driver is required for operation and is sold separately.*

4. Specifications

Feature	Specification
Model	Loox5 LED 2060
Internal Model Number	7f249720-1a80-4e0a-9119-f48376e732e9
Voltage	12 Volts DC
Wattage (per meter)	4.8 W
Total Wattage (16.4 ft / 5 m)	24 Watts
LEDs per Meter	120
Light Color	Cool White
Color Temperature	4000 Kelvin
Color Rendering Index (CRI)	>90
Dimmable	Yes
Lifespan (L80/B10)	>50,000 hours
Width	3/16 inches (5 mm)
Length	16.4 ft (5 m)
Cuttable Intervals	Every 1 inch (25 mm)
IP Code	IP20 (Indoor Use Only)
Mounting	Self-adhesive
Certifications	UL Certified, Title 24 Compliant
Material	Vinyl, Metal, PCB
Control Method	App Control (with compatible driver/controller)

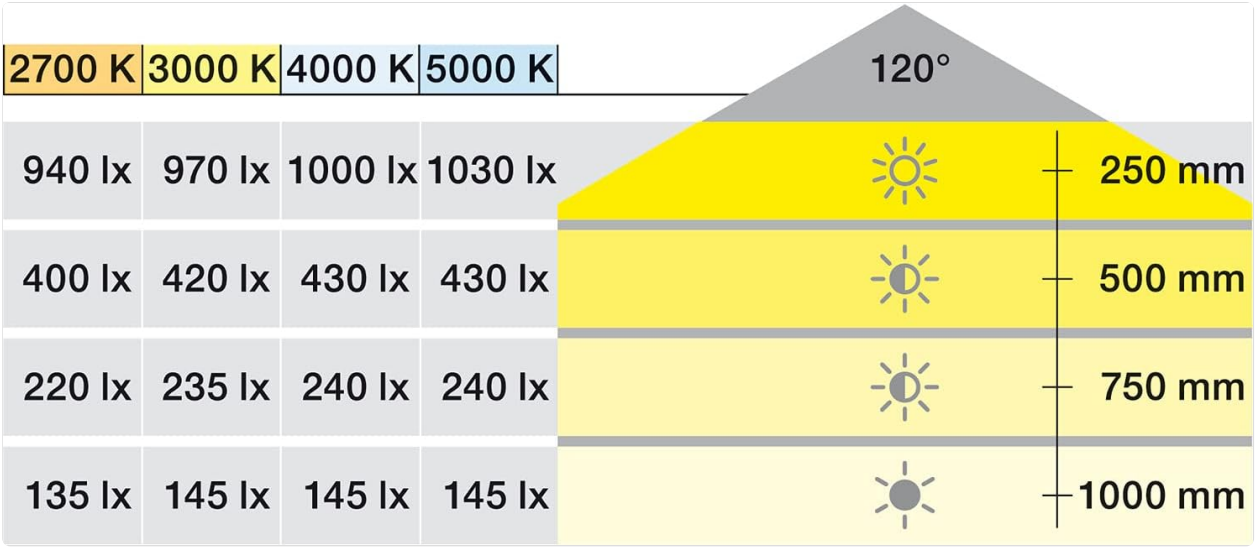


Figure 4.1: Light output measurements in Lux at different distances (250mm, 500mm, 750mm, 1000mm) for various color temperatures (2700K, 3000K, 4000K, 5000K). This specific model is 4000K.

5. Setup & Installation

Careful planning and execution are crucial for optimal performance and longevity of your LED strip light.

1. **Plan Your Layout:** Determine the exact path for your LED strip. Ensure the surface is clean, dry, and smooth for proper adhesion.
2. **Measure and Cut (if necessary):** The LED strip can be shortened every 1 inch (25 mm) at the designated cut marks. Use sharp scissors to ensure a clean cut. **Do not cut in any other location.**

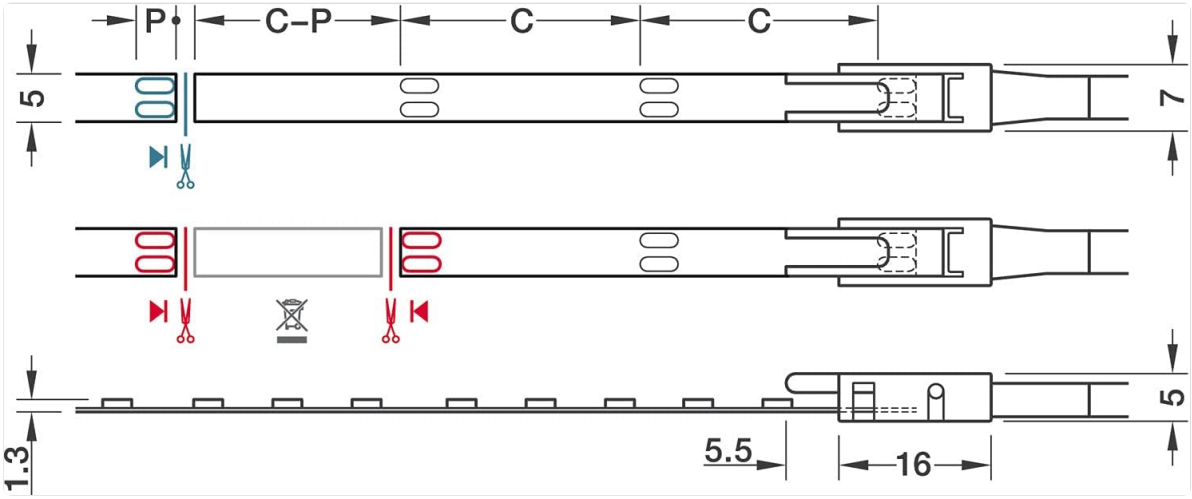


Figure 5.1: Technical diagram illustrating the dimensions of the LED strip and the precise locations where it can be safely cut. The diagram shows a width of 5mm and indicates cutting points every 25mm (1 inch).

3. **Connect to 12V Driver:** Connect the 2-meter lead cable from the LED strip to a compatible 12V DC power driver (not included). Ensure polarity is correct (positive to positive, negative to negative).
4. **Test Before Adhesion:** Before removing the adhesive backing, temporarily connect the LED strip to the 12V driver and power it on to ensure it functions correctly.
5. **Adhere the Strip:** Once tested, peel off the protective film from the self-adhesive backing. Carefully press the LED strip onto the desired surface, applying firm, even pressure along its entire length. Avoid repositioning the strip multiple times, as this can weaken the adhesive.
6. **Secure Connections:** Ensure all electrical connections are secure and insulated to prevent short circuits.

Figure 5.2: Example of the Hafele Loox5 LED 2060 Strip Light installed within shelving, demonstrating its application for accent and functional lighting in furniture.

6. Operation

The Hafele Loox5 LED 2060 Strip Light is designed for straightforward operation once properly installed with a compatible 12V driver and controller.

- **Power On/Off:** Control the power to the LED strip via the connected 12V driver or its associated switch/controller.
- **Dimming:** This LED strip is dimmable. If connected to a compatible dimmable 12V driver and controller (e.g., an app-controlled system), you can adjust the brightness level according to your preference.
- **Light Color:** The strip emits a Cool White light at 4000 Kelvin. This color temperature is fixed and cannot be changed.

7. Maintenance

The Hafele Loox5 LED 2060 Strip Light requires minimal maintenance to ensure its long-term performance.

- **Cleaning:** Periodically wipe the surface of the LED strip with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the LEDs or the strip's components. Ensure the power is off before cleaning.
- **Inspection:** Regularly inspect the strip for any signs of damage, loose connections, or adhesive failure. Address any issues promptly to prevent further problems.
- **Environment:** Maintain a stable indoor environment, avoiding extreme temperatures or high humidity, which can negatively impact the lifespan of the LEDs.

8. Troubleshooting

If you encounter issues with your LED strip light, refer to the following common problems and solutions:

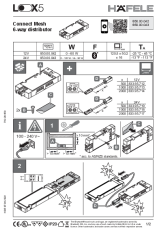
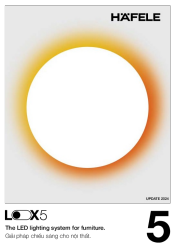
Problem	Possible Cause	Solution
LED strip does not light up.	No power to the driver. Incorrect wiring/polarity. Faulty 12V driver. Damaged LED strip.	Check power supply to the driver. Verify all connections and polarity. Test the driver with another 12V load if possible. Inspect the strip for visible damage, especially at cut points.
Section of the LED strip is not lighting up.	Damage to that section. Improper cut.	Inspect the non-working section for physical damage or a faulty connection point. Ensure cuts were made only at designated marks.
LED strip flickers or dims inconsistently.	Loose connection. Incompatible or faulty dimmer/controller. Insufficient power from driver.	Check all electrical connections. Ensure the dimmer/controller is compatible with 12V LED strips and is functioning correctly. Verify the 12V driver has sufficient wattage for the entire strip length.
Adhesive is not holding.	Surface not clean/dry. Surface too porous or textured. Adhesive weakened by repositioning.	Ensure surface is thoroughly cleaned and dried before application. Consider using additional mounting clips or a stronger adhesive if the surface is unsuitable.

9. Support

For further assistance, technical support, or inquiries regarding your Hafele Loox5 LED 2060 Strip Light, please contact Hafele customer service or visit the official Hafele website.

Hafele Website: www.hafele.com

Related Documents - Loox5 LED 2060

	[Häfele Connect Mesh 6-Way Distributor Installation Guide] Installation guide for the Häfele Connect Mesh 6-way distributor (models 850.00.042, 850.00.043), detailing setup, specifications, power ratings, and compliance information for smart lighting systems.
	[HÄFELE LOOX5: Advanced LED Lighting System for Furniture] Explore the HÄFELE LOOX5, a versatile and intelligent LED lighting system for furniture. Discover linear and point lighting, smart controls, and seamless integration for modern interior design.
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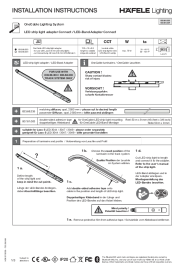	[Häfele Lighting OneCable System LED Strip Light Adapter Connect Installation Instructions] Detailed installation guide for the Häfele Lighting OneCable System LED strip light adapter Connect, including safety instructions, step-by-step assembly, and system operation.
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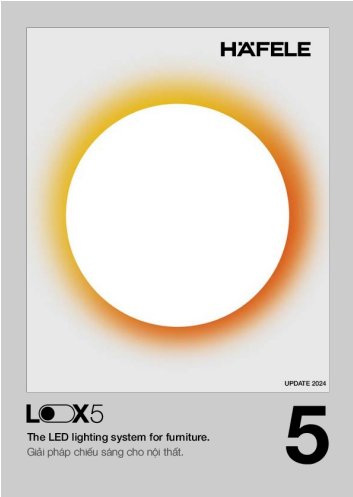
Documents - Hafele – Loox5 LED 2060



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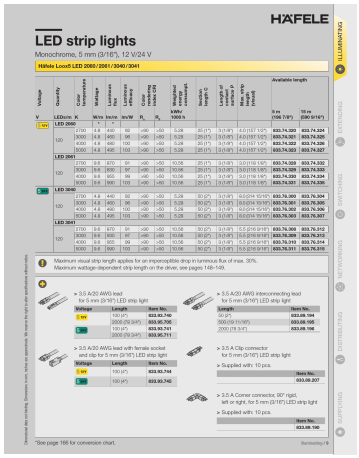

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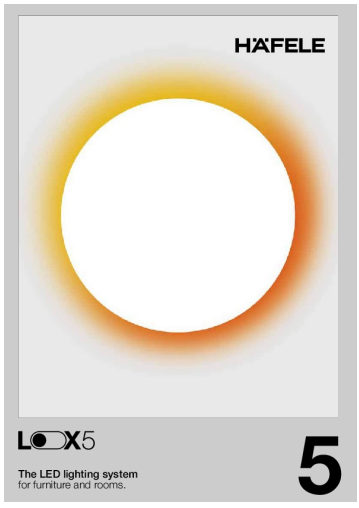

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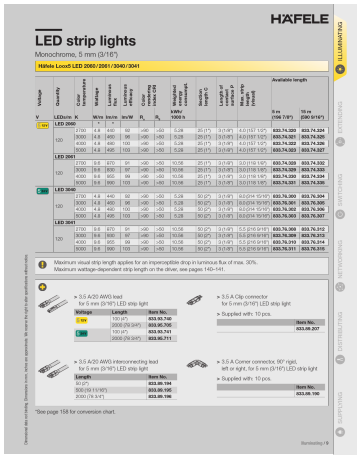
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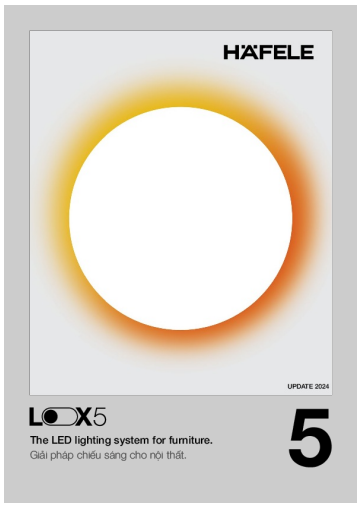

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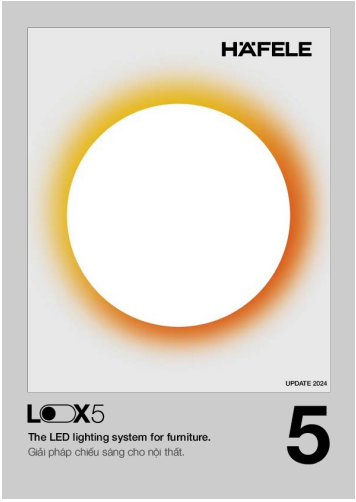

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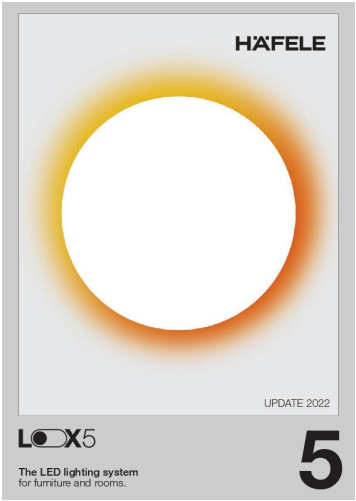

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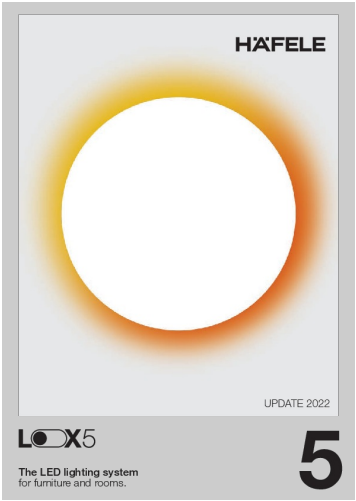

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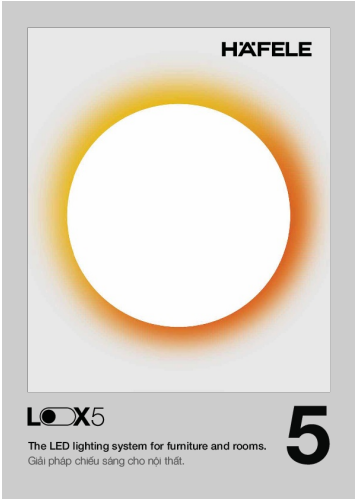

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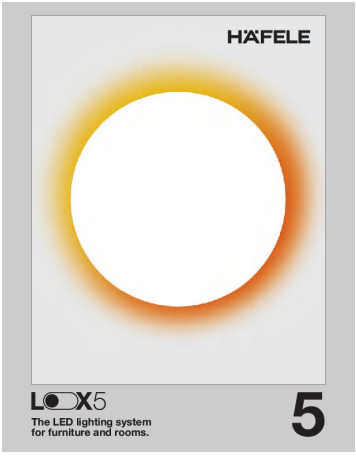

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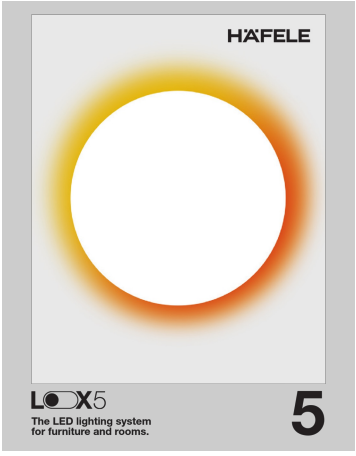

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