

## LIGHTAILING 21356

# LIGHTAILING LED Lighting Kit for LEGO 21356 River Steamboat

Model: 21356

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation and operation of your LIGHTAILING LED lighting kit, specifically designed for the LEGO 21356 River Steamboat model. This kit enhances the visual appeal of your LEGO creation with integrated lighting. Please note that the LEGO model itself is **not included** with this lighting kit.

For optimal results, carefully follow all steps outlined in this guide. Additional support and video tutorials are available online.

## 2. PACKAGE CONTENTS

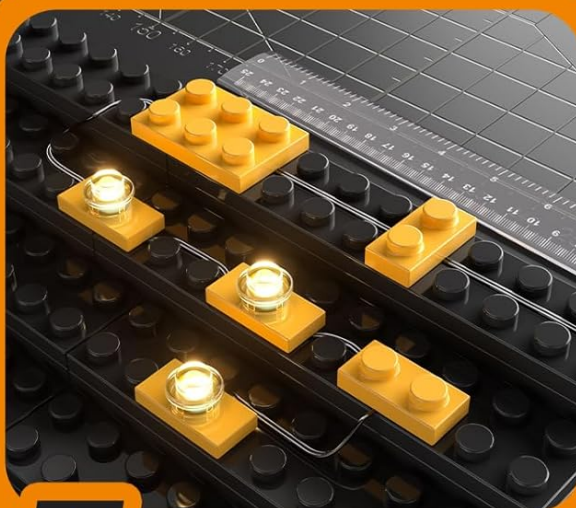
Before beginning installation, verify that all components listed below are present in your package. If any parts are missing or damaged, please contact customer support.

- All-in-One USB LED light kit
- Customized wire lengths
- Connecting cables and expansion boards
- Adhesive squares/strips
- Paper instruction manual
- USB power cable



**1**

All-in-One USB led light kit



**2**

Customized wire lengths



**3**

Prepare batteries or USB  
charger



**4**

Delight bricks, Delight life

Image: Key components of the LIGHTAILING LED lighting kit, showing the USB power cable, various light components, and customized wire lengths.



Image: A view of the complete package contents, including the instruction manual, USB power cable, and various lighting elements.

### 3. SETUP AND INSTALLATION

The LIGHTAILING LED lighting kit is designed for easy installation with pre-measured spacing and hidden wiring to maintain the aesthetic integrity of your LEGO model. Refer to the detailed paper instructions included in your package or the online video tutorials for step-by-step guidance.

#### 3.1 Preparation

- Ensure your LEGO 21356 River Steamboat model is fully assembled.
- Gather all lighting kit components and the instruction manual.
- Prepare a power source: either a USB power bank, a USB wall adapter, or 3x AA batteries (not included) for the battery box (if supplied).

#### 3.2 Installation Steps

1. **Disassemble Sections:** Carefully remove specific sections of your LEGO model as indicated in the instruction manual to



access internal areas for wire routing.

2. **Attach Lights:** Place the LED lights onto the designated LEGO studs or under specific bricks as shown in the diagrams. Ensure a secure fit.
3. **Route Wires:** Route the thin wires between LEGO bricks and plates. The kit is designed for hidden wiring, so take care to tuck wires neatly to avoid pinching or damage.
4. **Connect Components:** Connect the LED lights to the expansion boards, and then connect the expansion boards to the main control board using the provided connecting cables.
5. **Connect Power:** Attach the USB power cable to the main control board. If using a battery box, connect it to the main control board and insert 3x AA batteries.
6. **Reassemble Model:** Carefully reassemble the LEGO sections, ensuring no wires are caught or damaged during the process.



Image: Close-up views illustrating the easy installation process, the concept of hidden wiring, and the precision of the components when integrated with the LEGO model.



Image: A summary of the kit's features, highlighting that it includes LED lights, is USB powered, requires separate batteries, and comes with a paper instruction manual.

### 3.3 Online Installation Video

For visual guidance, an official installation video is available. This video demonstrates the step-by-step process of integrating the lighting kit with your LEGO 21356 River Steamboat model.

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Video: Official LIGHTAILING installation guide for the LEGO 21356 River Steamboat LED lighting kit, demonstrating the complete setup and final illuminated model.

## 4. OPERATING INSTRUCTIONS

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Once the lighting kit is fully installed and connected to a power source, operation is straightforward:

- **Power On:** Connect the USB cable to a powered USB port (e.g., computer, USB wall adapter, power bank). If using a battery box, ensure batteries are correctly inserted and the switch is in the "ON" position.
- **Power Off:** Disconnect the USB cable from the power source or switch the battery box to the "OFF" position.



Image: A visual comparison showing the LEGO River Steamboat model unlit on the left and illuminated by the LIGHTAILING LED kit on the right, demonstrating the effect of the lighting.



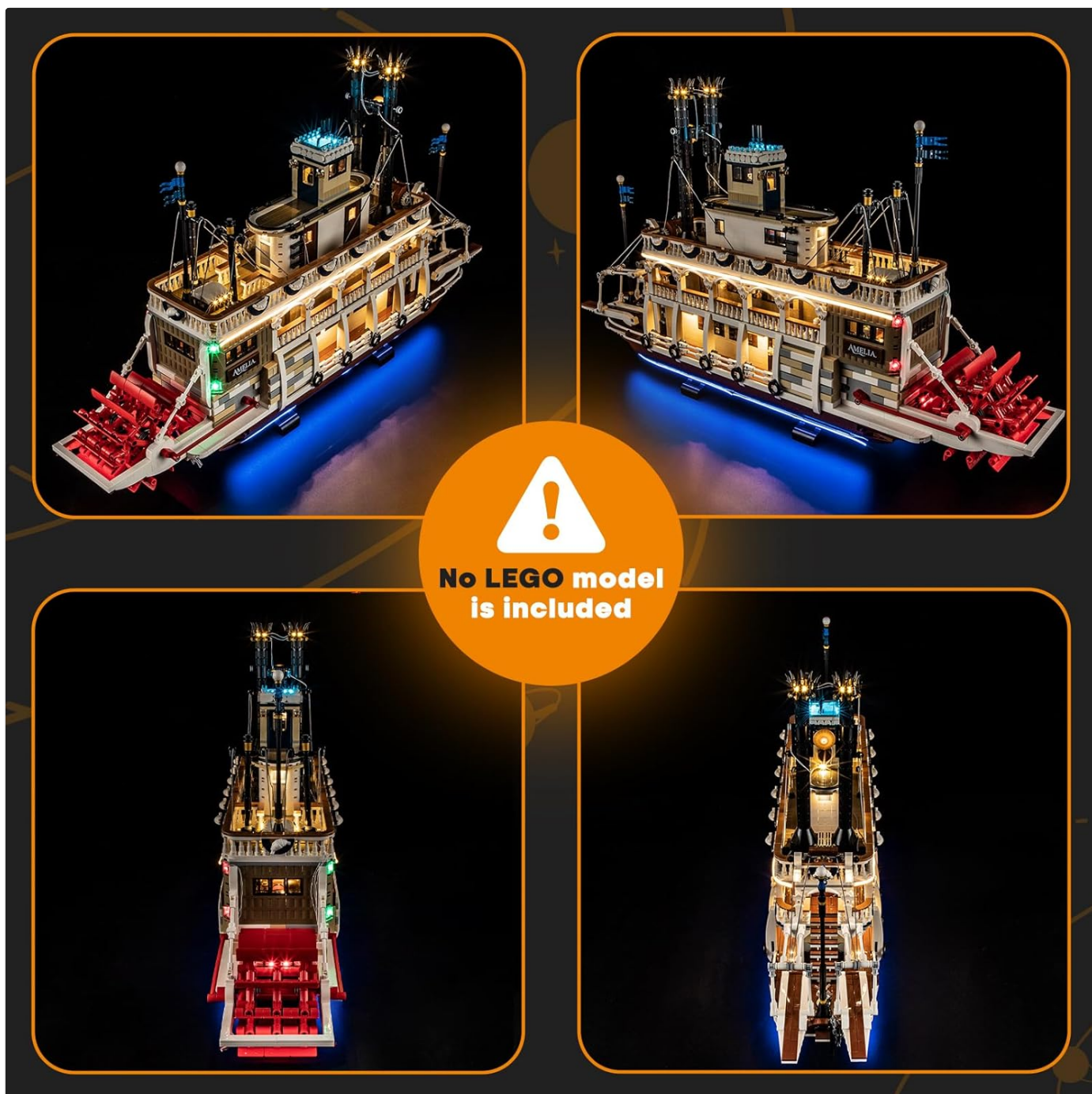


Image: Multiple views of the LEGO River Steamboat model fully illuminated by the LIGHTAILING LED kit, showcasing the detailed lighting effects.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your LIGHTAILING LED lighting kit, consider the following maintenance tips:

- **Dusting:** Regularly dust your LEGO model and the lighting components using a soft, dry brush or compressed air. Avoid using wet cloths directly on electrical components.
- **Wire Care:** Handle wires gently. Avoid sharp bends or excessive pulling, which can damage the delicate wiring.
- **Power Source:** If using a battery box, remove batteries if the kit will not be used for an extended period to prevent leakage.
- **Storage:** If disassembling the model for storage, carefully disconnect and store the lighting components in their original packaging or a protective container.

## 6. TROUBLESHOOTING

If you encounter any issues with your lighting kit, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Lights do not turn on.	<ul style="list-style-type: none"><li>No power supply.</li><li>Loose connection.</li><li>Incorrect battery insertion (if applicable).</li><li>Damaged component.</li></ul>	<ul style="list-style-type: none"><li>Ensure USB cable is connected to a powered source or batteries are correctly installed.</li><li>Check all connections between lights, expansion boards, and the main control board.</li><li>Verify battery polarity and charge.</li><li>Inspect wires and LEDs for visible damage. Contact support if damaged.</li></ul>
Some lights are flickering or dim.	<ul style="list-style-type: none"><li>Loose wire connection.</li><li>Insufficient power.</li><li>Damaged LED.</li></ul>	<ul style="list-style-type: none"><li>Gently press on connections to ensure they are secure.</li><li>Try a different USB port or fresh batteries.</li><li>If a single LED is faulty, it may need replacement.</li></ul>
Wires are visible or not neatly hidden.	<ul style="list-style-type: none"><li>Improper wire routing.</li></ul>	<ul style="list-style-type: none"><li>Refer to the instruction manual or video for specific wire routing techniques to hide them within the LEGO structure.</li></ul>

If these steps do not resolve the issue, please contact LIGHTAILING customer support for further assistance.

## 7. SPECIFICATIONS

Feature	Detail
Product Dimensions (Packaging)	6.5 x 4.72 x 1.57 inches
Item Weight	6.3 ounces
Model Number	21356 (for LEGO River Steamboat)
Power Source	USB Powered (Batteries not included)
Recommended Age	3 years and up (for LEGO model)

## 8. WARRANTY AND SUPPORT

LIGHTAILING is committed to providing a high-quality product and a positive customer experience. If you have any questions, require assistance with installation, or encounter any issues with your lighting kit, please do not hesitate to contact our customer support team.

For support, please visit the official LIGHTAILING store on Amazon or refer to the contact information provided in your product packaging.



Image: LIGHTAILING branding, a QR code for accessing online installation videos, and symbols indicating compliance with product safety standards (RoHS, CE, CPC).