

KOMIGAN KMG-3233

KOMIGAN KMG-3233 Motion-Activated Cascading LED Stair Lighting Kit

USER MANUAL

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your KOMIGAN KMG-3233 Motion-Activated Cascading LED Stair Lighting Kit. This system is designed to enhance safety and aesthetics on indoor staircases by providing sequential, motion-activated illumination.

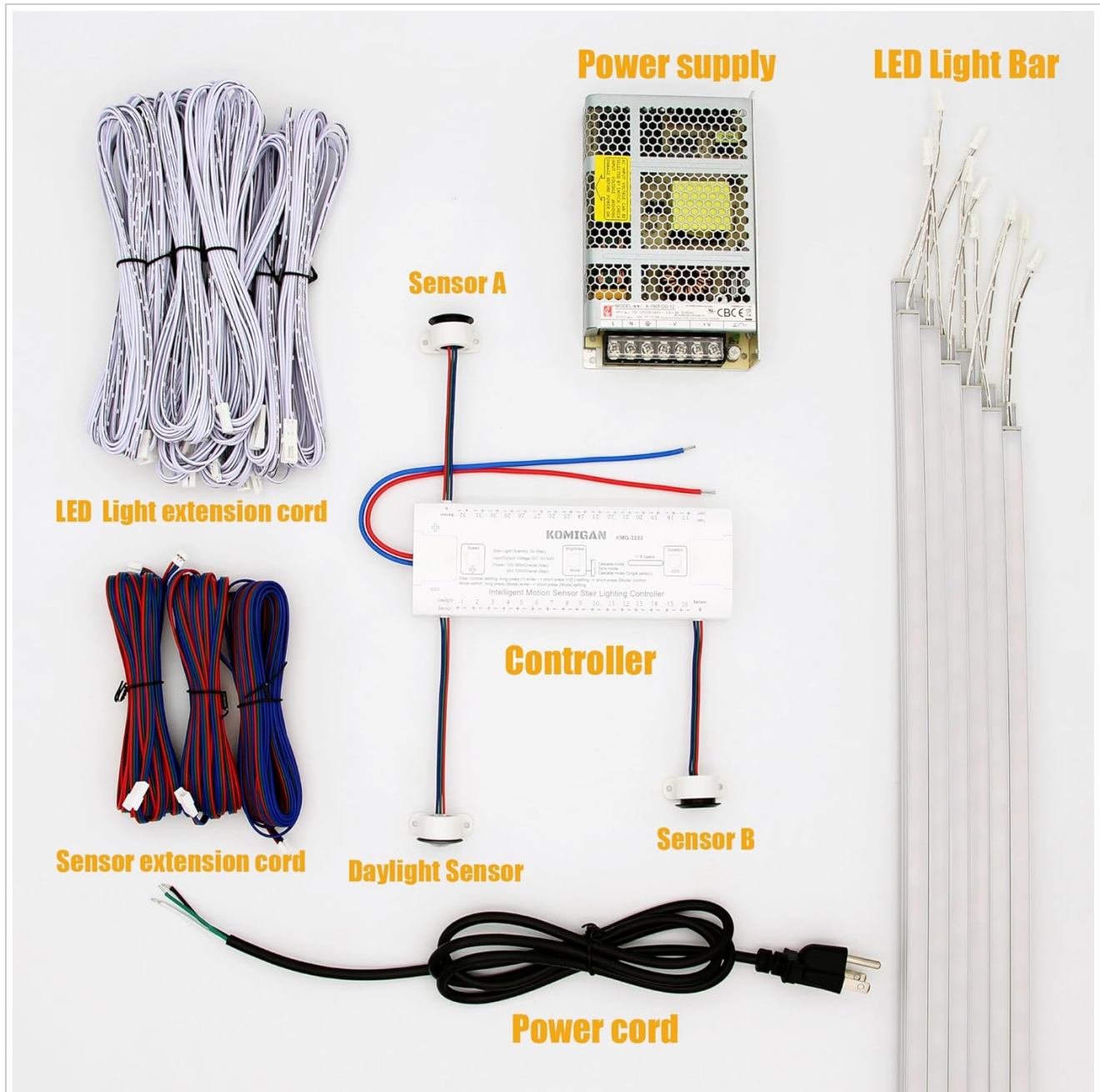
Product Features

- **Motion-Activated Lighting:** Lights illuminate in sequence upon detecting movement and turn off step by step after departure, creating a cascading effect.
- **Customizable Lighting Modes & Settings:** Adjust parameters such as step count, brightness, speed, and delay time. Multiple modes are available, including Motion Trigger, Stay On, Cascade, and Sync Mode.
- **High-Quality LED Light Bar:** Features an ultra-bright, soft-glow design without visible light spots. The 23.6" aluminum LED bar is suitable for stair treads 25" or wider.
- **Hassle-Free Installation:** Includes all necessary components for quick setup. The plug-and-play design with quick connectors simplifies the installation process.
- **Enhanced Safety & Modern Aesthetic:** Provides soft, ambient light to improve visibility and reduce fall risks, while adding a contemporary touch to home decor.

What's in the Box

- Power Supply
- LED Light Bars (20 units)
- Controller (KMG-3233)

- Motion Sensors (2 units)
- Daylight Sensor
- LED Light Extension Cords
- Sensor Extension Cords
- Power Cord
- Installation Hardware (metal clips, double-sided adhesive)



All components included in the KOMIGAN KMG-3233 kit: power supply, LED light bars, sensor extension cords, daylight sensor, and controller.

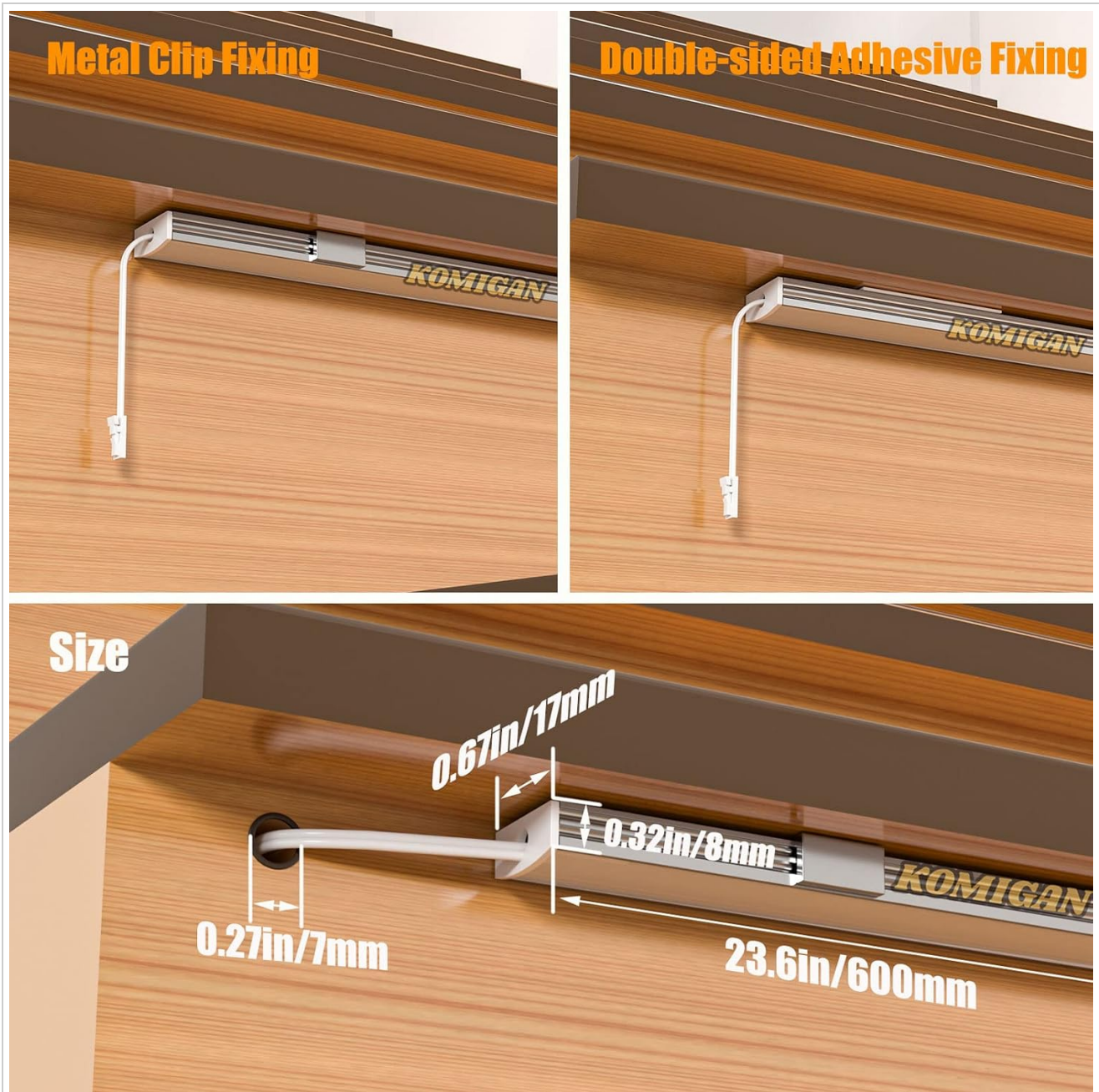
Setup and Installation

Careful planning is essential for a successful installation. Ensure you have access to the underside of your stairs for wiring. The system is designed for plug-and-play setup with quick connectors.

1. LED Light Bar Installation

The 23.6" aluminum LED light bars can be installed using either metal clips or double-sided adhesive. Position them

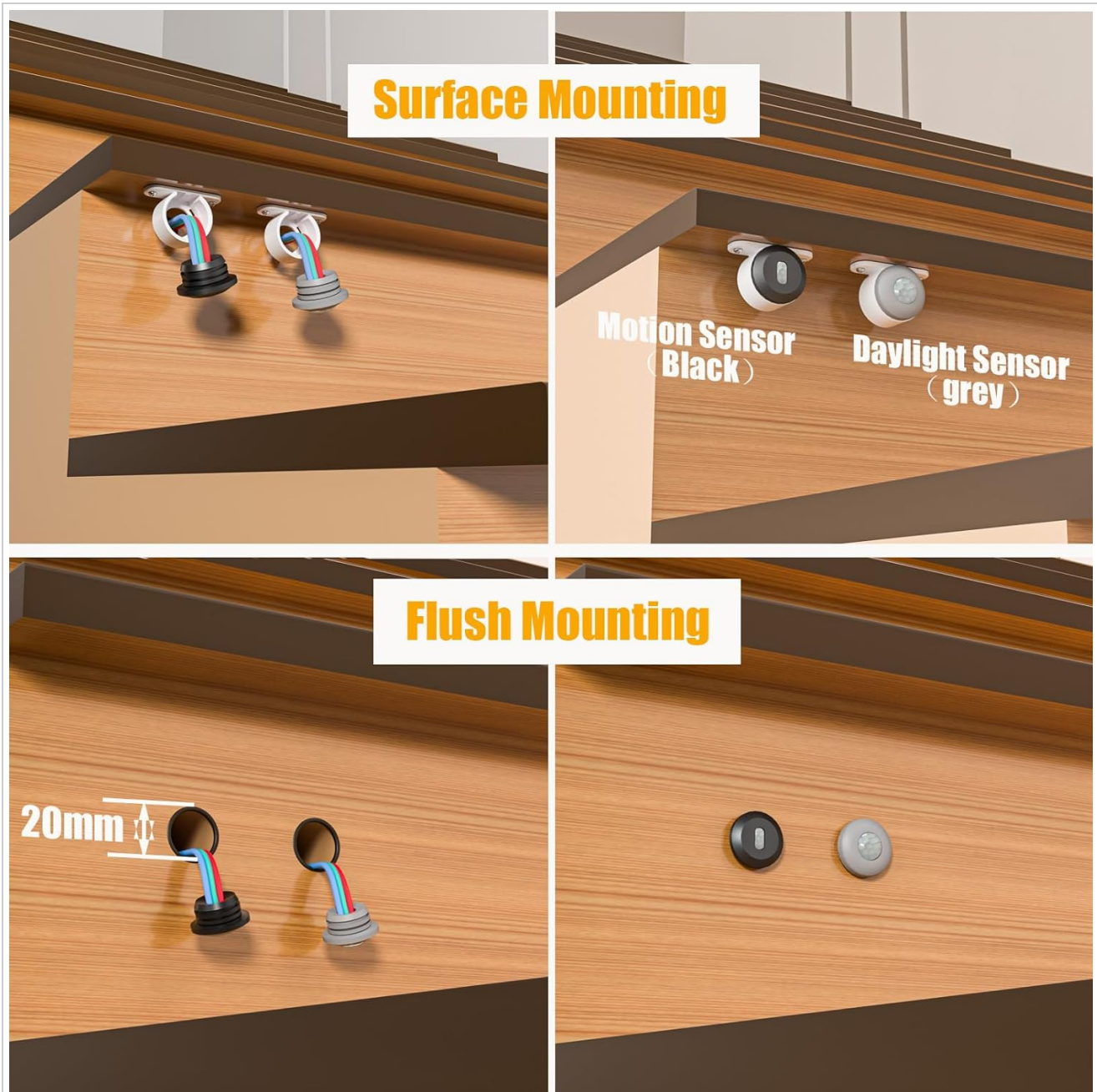
under the lip of each stair tread. Ensure the stair treads are 25" or wider for optimal fit.



LED light bar installation options: metal clip fixing and double-sided adhesive fixing, with dimensions.

2. Motion Sensor Installation

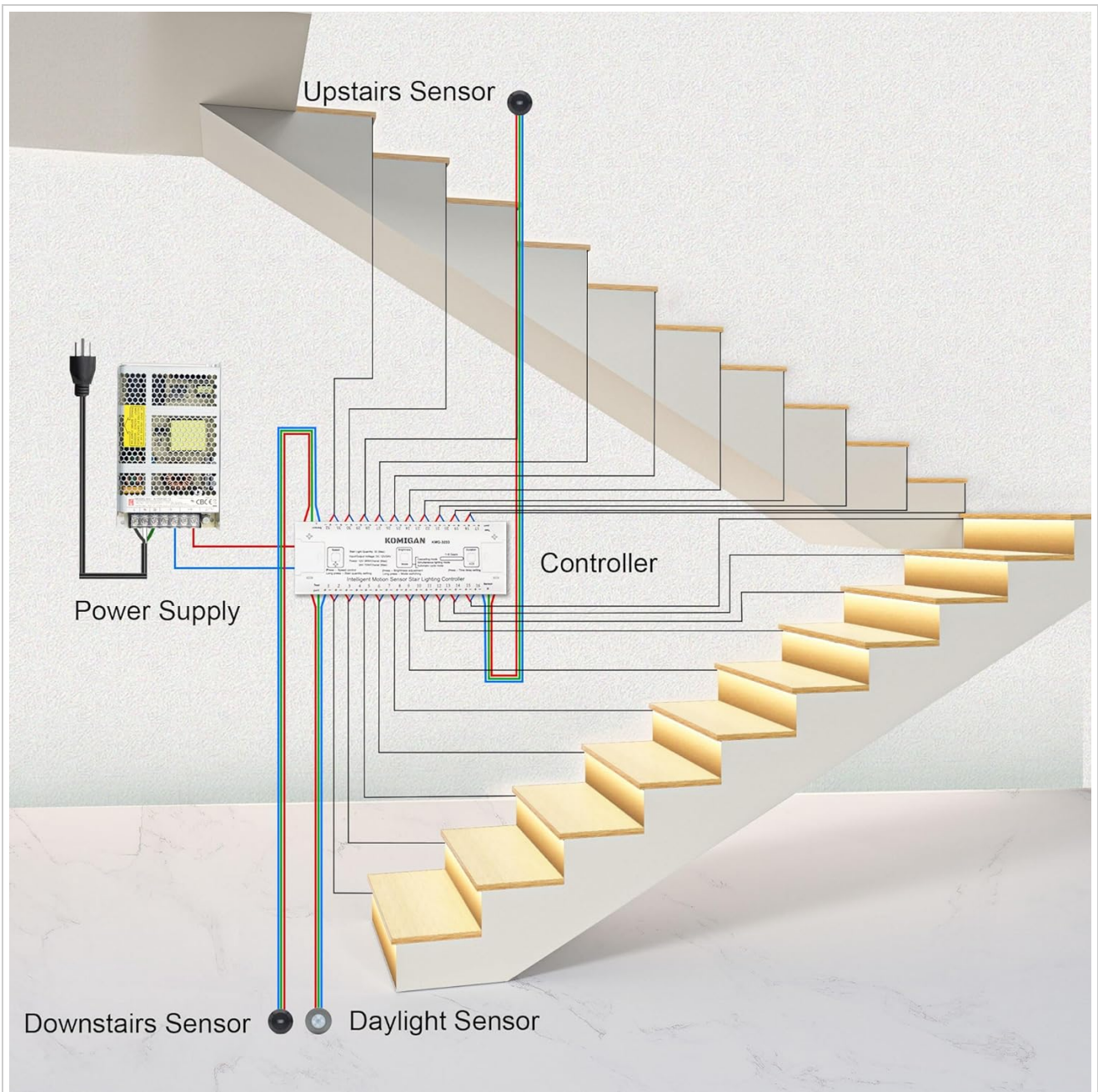
The motion sensors can be installed via surface mounting or flush mounting. Place one sensor at the top of the staircase and one at the bottom to detect movement from both directions. A daylight sensor is also included to optimize operation based on ambient light levels.



Motion sensor installation: surface mounting and flush mounting methods.

3. Wiring Connections

Connect the LED light bars and motion sensors to the main controller using the provided extension cords. The power supply should be hardwired or plugged into a suitable outlet, then connected to the controller. Refer to the wiring diagram for precise connections.



Wiring diagram for the KOMIGAN KMG-3233 LED stair lighting kit, showing connections for power, controller, sensors, and light bars.

Installation Videos

Demonstration of the KOMIGAN LED stair lighting system with motion sensor activation, showcasing the cascading light effect as a person ascends the stairs.

An overview of the KOMIGAN KMG-3233 Motion Sensor LED Stair Lighting Kit, illustrating its components and the dynamic lighting sequence.

Visual demonstration of the motion-activated cascading light effect provided by the KOMIGAN KMG-3233 LED Stair Lighting Kit.

A short video highlighting the responsive motion-activated cascading lights of the KOMIGAN KMG-3233 stair lighting system.

A brief demonstration of the KOMIGAN Intelligent Motion Sensor LED Stair Lighting Kit, showing the lights activating as someone walks up the stairs.

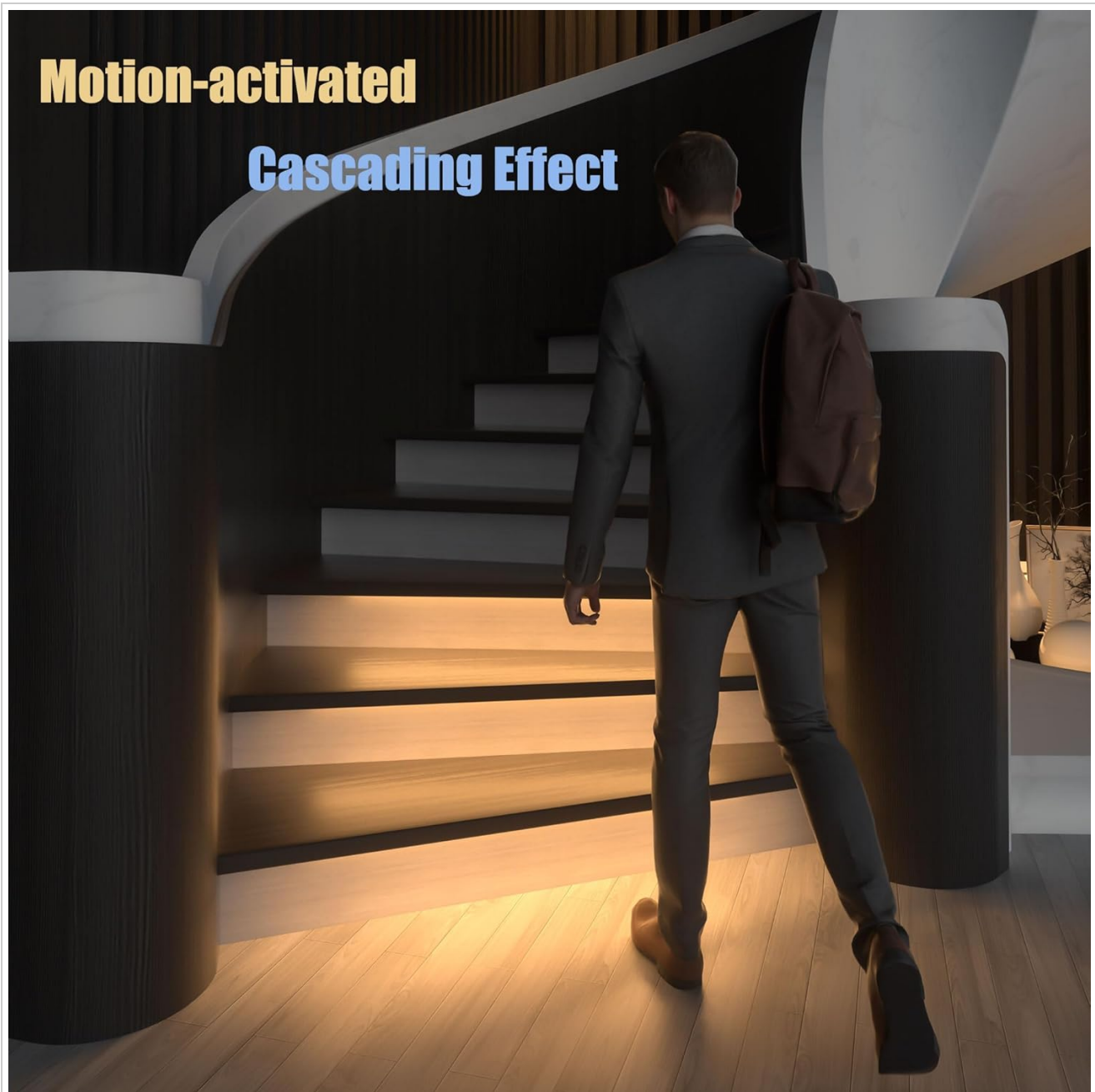
Operating Instructions

The KOMIGAN KMG-3233 system operates primarily through motion detection, activating the LED lights in a

cascading sequence. The controller allows for customization of various settings to suit your preferences.

Motion Activation

When a motion sensor detects movement at either the top or bottom of the stairs, the LED lights will sequentially illuminate, creating a dynamic cascading effect. The lights will remain on for a set duration and then turn off in sequence once no motion is detected.



Motion-activated cascading effect on stairs.

Controller Settings

The controller features buttons to adjust the following:

- **Speed:** Controls the speed of the cascading light effect.
- **Brightness:** Adjusts the overall brightness of the LED lights.
- **Mode:** Selects between different lighting modes, including cascading, simultaneous lighting (all lights on), and automatic cycle modes.
- **Duration:** Sets the time delay for how long the lights remain illuminated after motion detection ceases.

Refer to the controller's labels for specific button functions and indicators.

Maintenance

To ensure optimal performance and longevity of your KOMIGAN LED Stair Lighting Kit, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the LED light bars and sensors with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Inspection:** Periodically check all wiring connections to ensure they are secure. Inspect light bars and sensors for any physical damage.
- **Environment:** This product is designed for indoor use only. Avoid exposure to moisture or extreme temperatures.

Troubleshooting

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

- **Lights not turning on:** Check the power supply connection and ensure the controller is receiving power. Verify that motion sensors are unobstructed and correctly connected.
- **Incorrect cascading sequence:** Ensure all LED light bars are connected to the correct ports on the controller according to the wiring diagram.
- **Lights staying on/off too long:** Adjust the duration setting on the controller. Check motion sensor placement and sensitivity.
- **Flickering lights:** Ensure all connections are secure. Check the power supply for stable output.

For persistent issues, contact KOMIGAN customer support.

Specifications

Brand	KOMIGAN
Model Number	KMG-3233-620
Color Temperature	3000 Kelvin (Warm White)
Number of Stairs Supported	20
Light Bar Length	23.6 inches (600mm)
Material	Aluminum (Shade), Plastic (Components)
Power Source	AC (110 Volts)
Wattage	226 watts (Max Compatible: 160 Watts)
Brightness	8400 Lumen
Special Feature	Motion Sensor
Installation Type	Surface Mount
Indoor/Outdoor Usage	Indoor

Item Weight	9.13 pounds (4.15 Kilograms)
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Warranty and Support

For information regarding product warranty, returns, or technical support, please refer to the documentation included with your purchase or visit the official KOMIGAN website. Keep your purchase receipt for warranty claims.