USTELLAR UT88105W-CW-US-2

USTELLAR Smart Outdoor LED Security Light

Model: UT88105W-CW-US-2

Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your USTELLAR Smart Outdoor LED Security Light. Please read this manual thoroughly before installation and use to ensure proper function and safety. This smart floodlight features adjustable brightness and color temperature, motion sensing capabilities, and can be controlled via a mobile application or voice commands through compatible smart home systems.

Image 1.1: USTELLAR Smart Outdoor LED Security Light (2-pack shown).

2. IMPORTANT SAFETY INFORMATION

WARNING: To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, read all warnings and instructions included with and on the fixture box and all fixture labels.

- Installation must be performed by a qualified electrician in accordance with all local electrical codes and ordinances.
- Always disconnect power at the circuit breaker before installation, removal, or servicing.
- Ensure the power supply voltage is correct for the fixture (120 Volts).
- Do not install near flammable materials or in areas with explosive atmospheres.
- This fixture is rated IP65 for outdoor use, providing protection against dust and water jets.
- Do not look directly into the LED light source when illuminated.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- USTELLAR 50W Tunable White Floodlight (2 units for 2-pack)
- Mounting Hardware
- Instruction Manual

4. PRODUCT OVERVIEW

The USTELLAR Smart Outdoor LED Security Light is designed for exterior use, offering advanced features for security and convenience.

Key Features:

- **App Control:** Manage settings via the *Smart Life* app (2.4GHz WiFi required).
- **Voice Control:** Compatible with Amazon Alexa and Google Home.
- **Tunable White:** Adjust color temperature from 2700K (warm white) to 6500K (daylight white).
- **Dimmable:** Brightness adjustable from 1% to 100%.
- **Motion Sensor:** 180° detection angle, up to 60 feet range, with adjustable sensitivity.
- **Dim Mode:** Low-brightness standby mode (1%-30%) that activates full brightness upon motion detection.
- **Timing ON/OFF:** Schedule light operation.
- **IP65 Waterproof:** Durable for outdoor weather conditions.

Image 4.1: Adjustable light heads and motion sensor.

Image 4.2: Bright light output from the floodlight.

Image 4.3: IP65 waterproof feature.

5. SETUP

5.1 Physical Installation

The USTELLAR Smart Outdoor LED Security Light can be mounted on a wall or soffit. Ensure the mounting surface is stable and capable of supporting the fixture's weight. Always disconnect power at the circuit breaker before installation.

1. **Prepare Wiring:** Turn off power at the circuit breaker. Connect the fixture's wires to your household wiring (black to live, white to neutral, green/bare copper to ground) using appropriate wire connectors.
2. **Mounting:** Secure the mounting bracket to the desired location (wall or soffit) using the provided hardware. Ensure the bracket is firmly attached.
3. **Attach Fixture:** Connect the fixture to the mounting bracket, ensuring all wires are tucked safely into the junction box.
4. **Adjust Light Heads and Sensor:** Loosen the screws on the light heads and motion sensor to adjust their angles as needed. Tighten screws once adjusted.

Image 5.1: Wall Mount installation example.

Image 5.2: Soffit Mount installation example.

5.2 App Installation and Wi-Fi Connection

The *Smart Life* app is required for smart control features. The light only supports 2.4GHz Wi-Fi networks.

1. **Download App:** Search for "Smart Life" in your mobile device's app store (iOS or Android) and install it.
2. **Register/Login:** Open the app and register a new account or log in if you already have one.
3. **Enable Wi-Fi:** Ensure your mobile device is connected to a 2.4GHz Wi-Fi network.
4. **Add Device:** In the app, tap "+" to add a device. Select "Lighting" then "PIR Light (Wi-Fi)" or similar.
5. **Pairing Mode:** Turn the light ON, then OFF, then ON, then OFF, then ON (3 times ON/OFF cycle) to put it into fast flashing pairing mode. Confirm this in the app.
6. **Connect:** Enter your 2.4GHz Wi-Fi network password in the app. The app will scan and connect to the light.
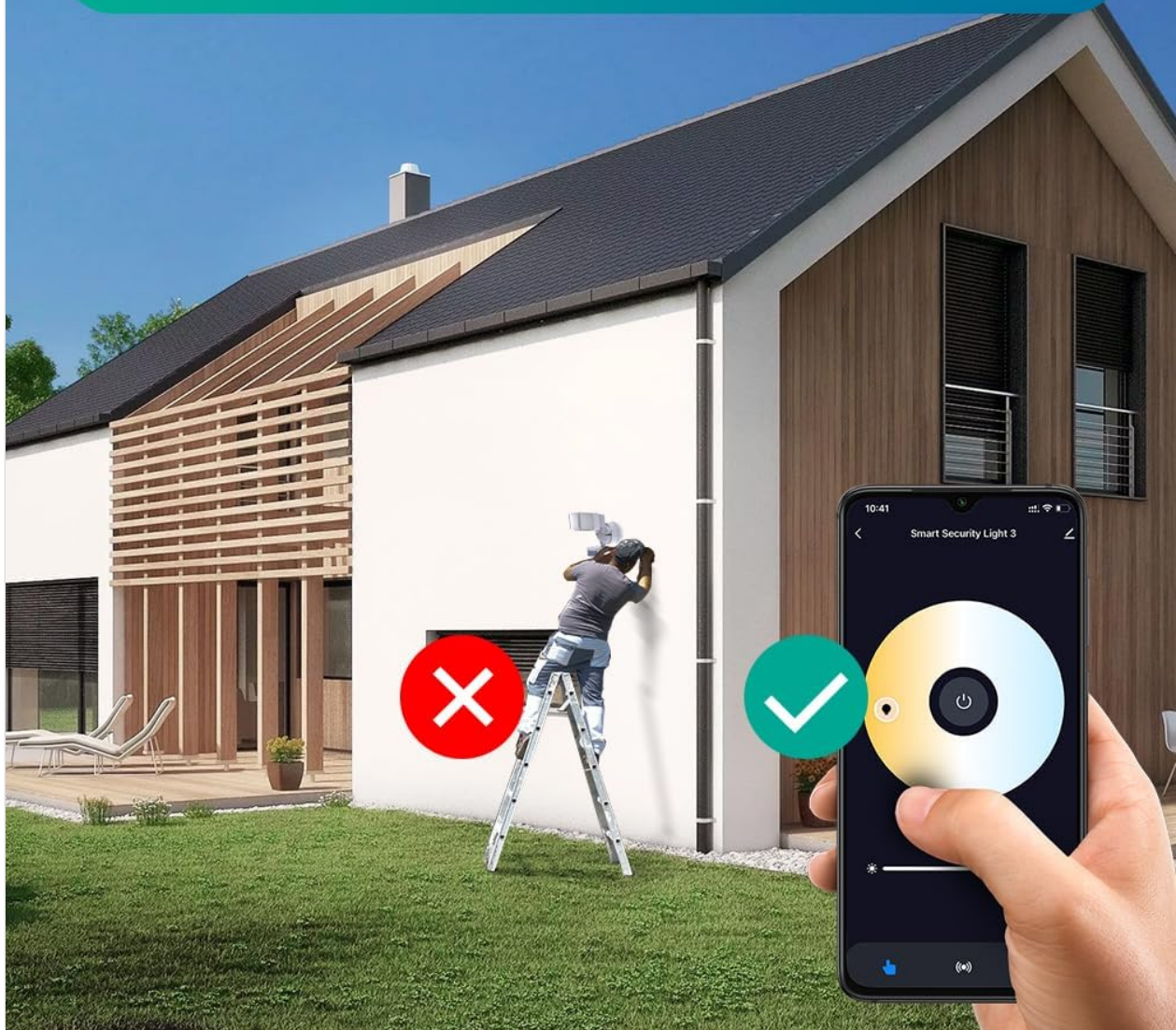
Image 5.3: App control eliminates the need for manual adjustments on a ladder.

5.3 Voice Assistant Integration

Once connected to the *Smart Life* app, you can link your light to Amazon Alexa or Google Home for voice control.

1. **Link Account:** In your Alexa or Google Home app, navigate to the "Skills" or "Works with Google" section. Search for "Smart Life" and enable the skill/service.
2. **Authorize:** Log in with your *Smart Life* account credentials to link the accounts.
3. **Discover Devices:** Ask Alexa or Google to discover new devices, or manually initiate discovery in their respective apps.

6. OPERATING INSTRUCTIONS

6.1 App Control

The *Smart Life* app provides comprehensive control over your floodlight's functions.

Image 6.1: App interface for intelligent control.

- **Manual Mode:** Directly adjust brightness (1%-100%) and color temperature (2700K-6500K).
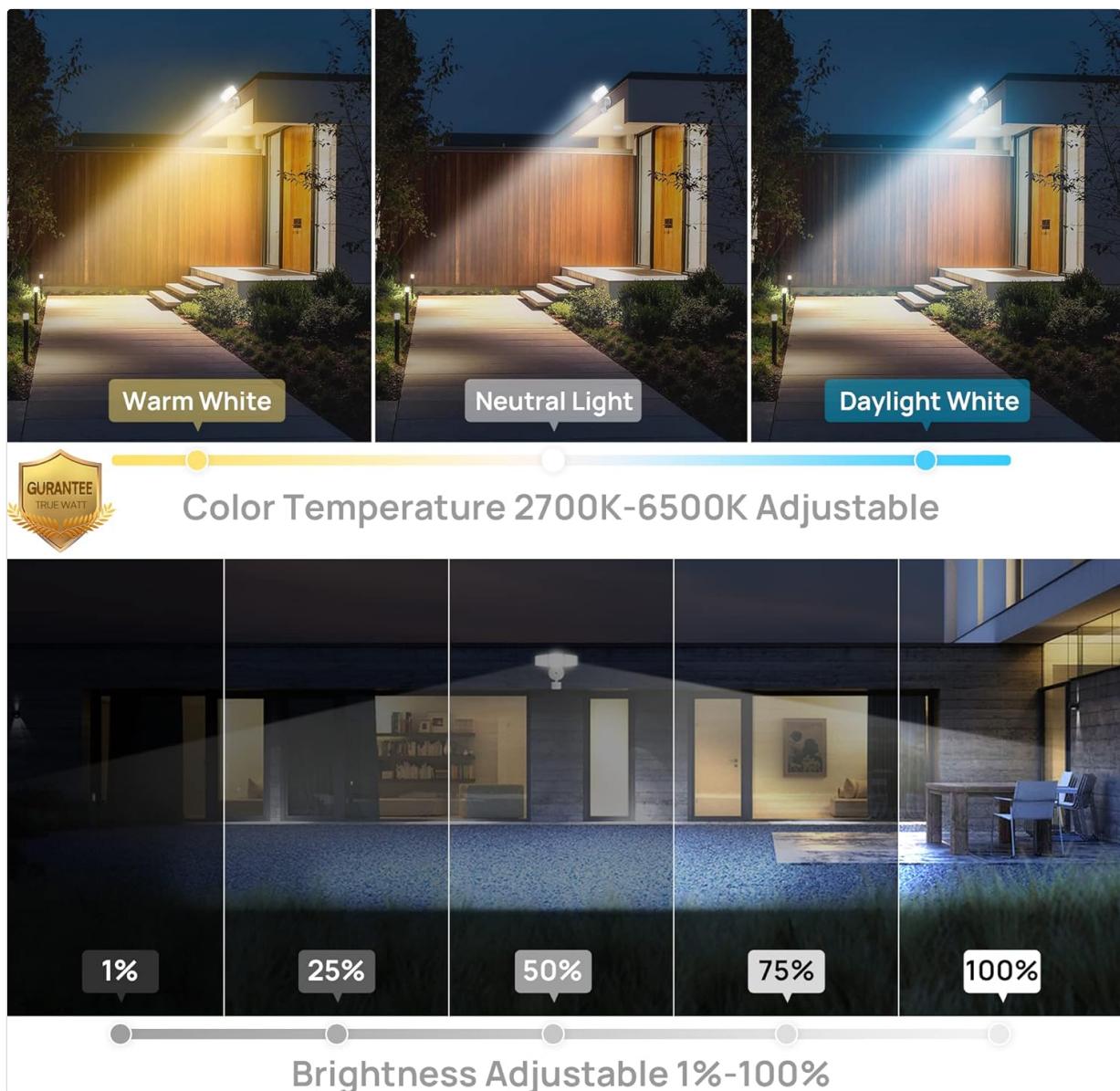
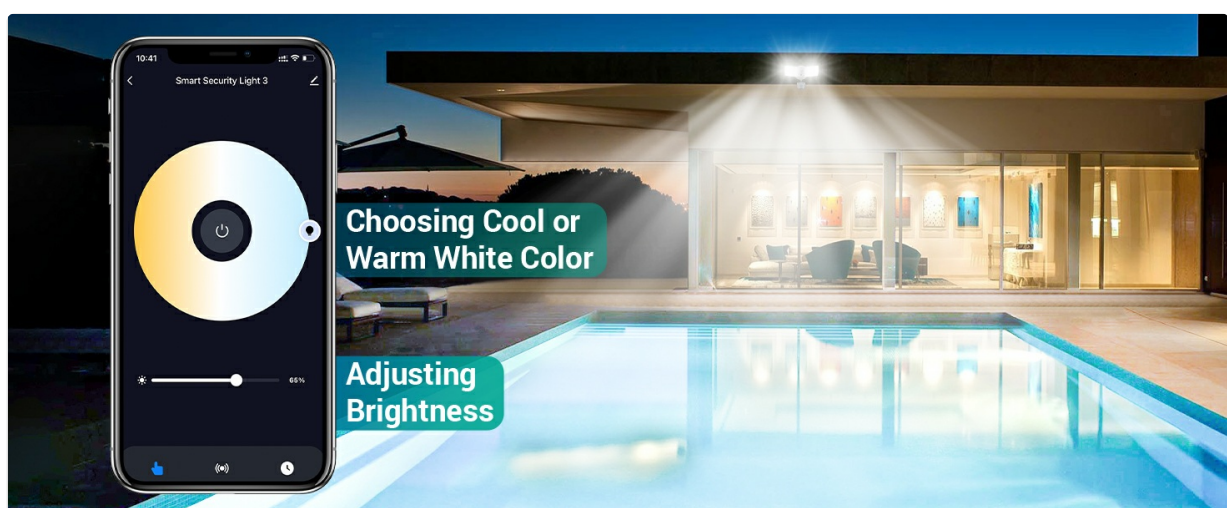Image 6.2: Adjustable color temperature and brightness.

Image 6.3: Adjusting brightness and color via app.

Image 6.4: 2700K-6500K stepless color temperature adjustment.

- **Sensor Mode:** Configure motion detection settings.
- **Dim Mode:** Enable a low-brightness standby state (1%-30% brightness) to save energy. The light will switch to full brightness when motion is detected. Duration for dim mode can be set from 1 minute to 8 hours.
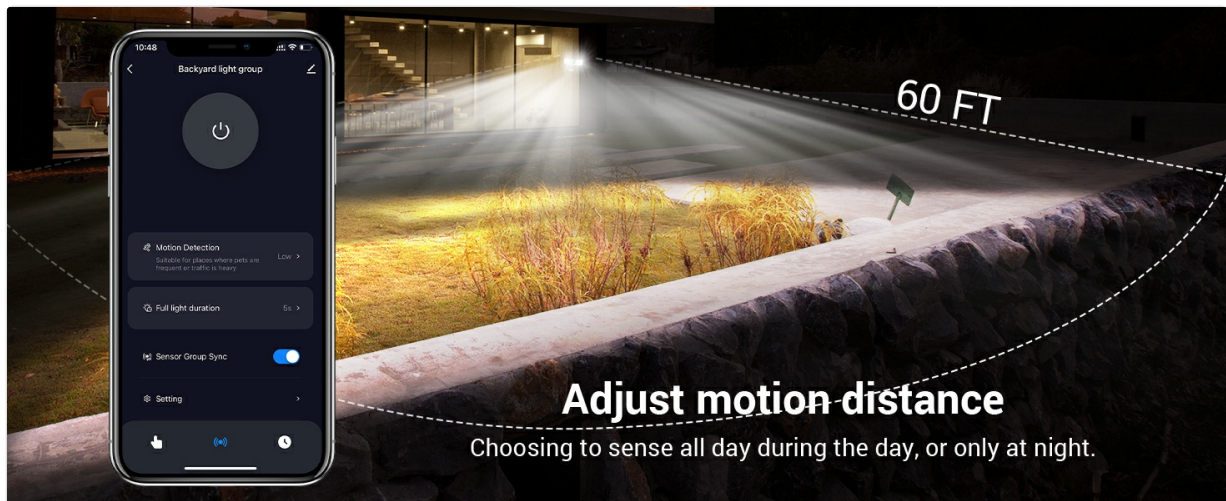

Image 6.5: Energy saving with Dim Mode.

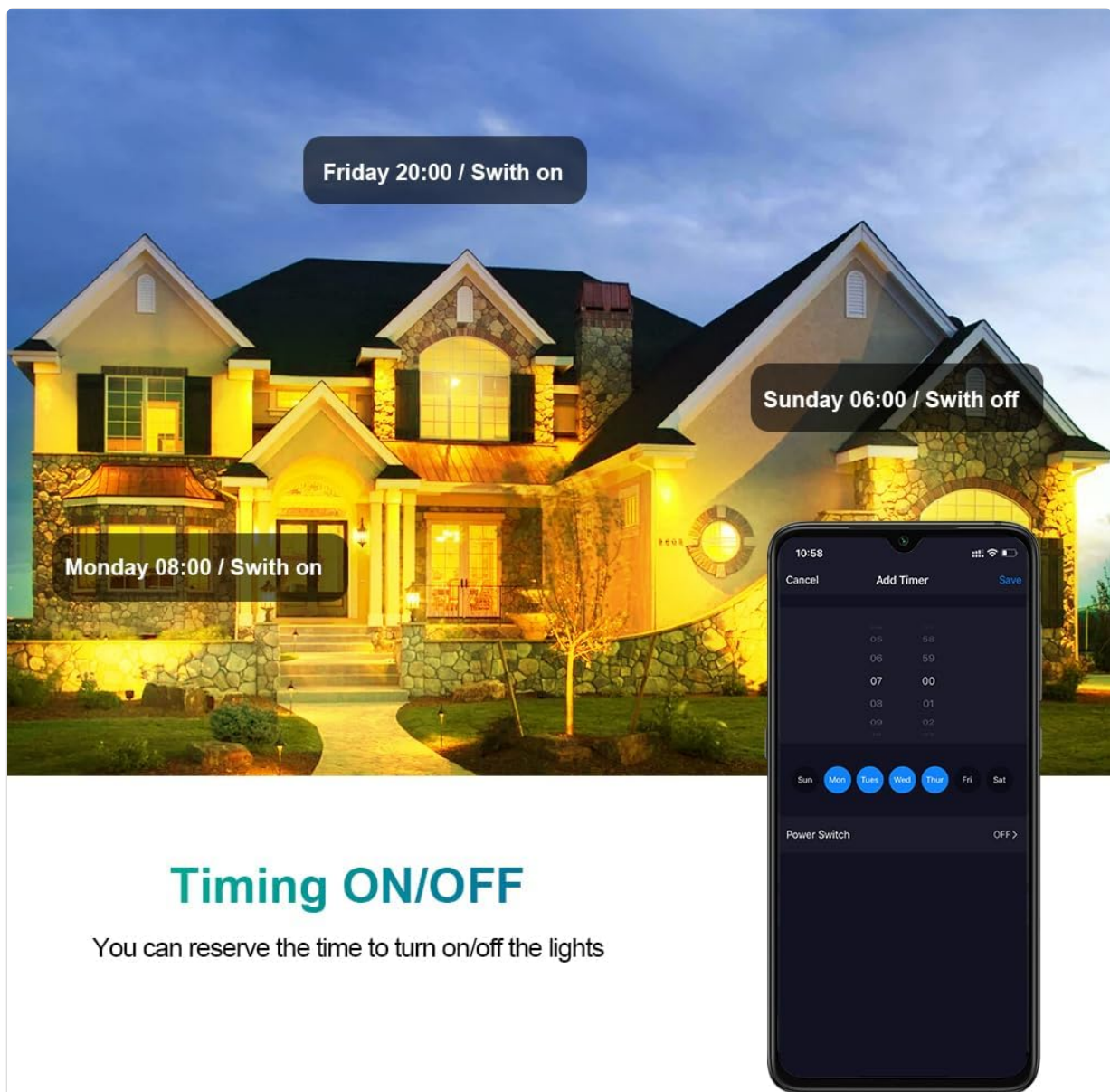- **Timing ON/OFF:** Set schedules for the light to turn on or off automatically.
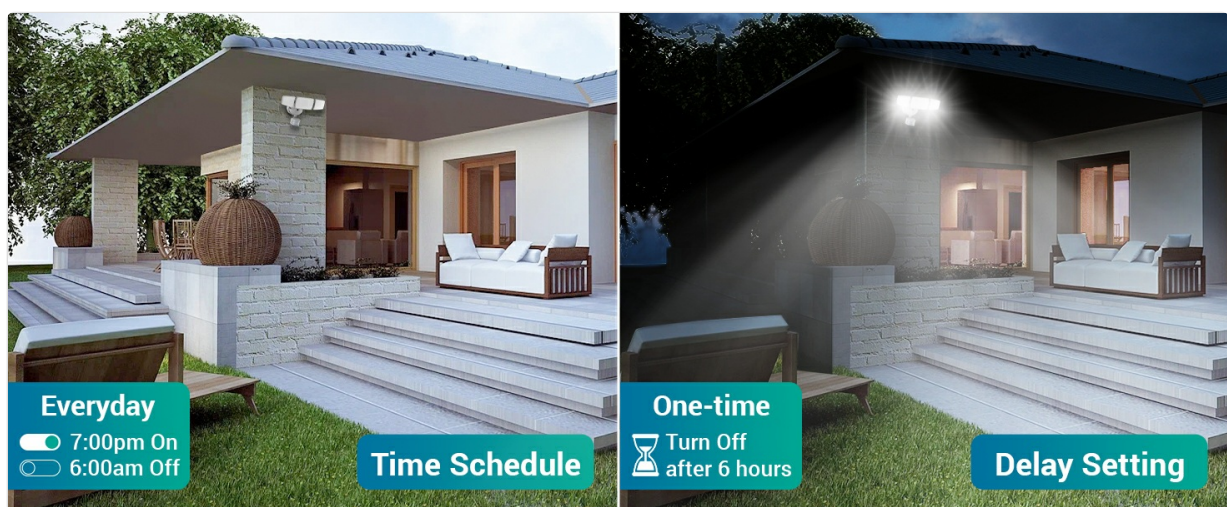
Image 6.6: Timing ON/OFF feature.

Image 6.7: Time schedule and delay settings.

- **Group Control:** Control multiple USTELLAR smart lights simultaneously by grouping them in the app.
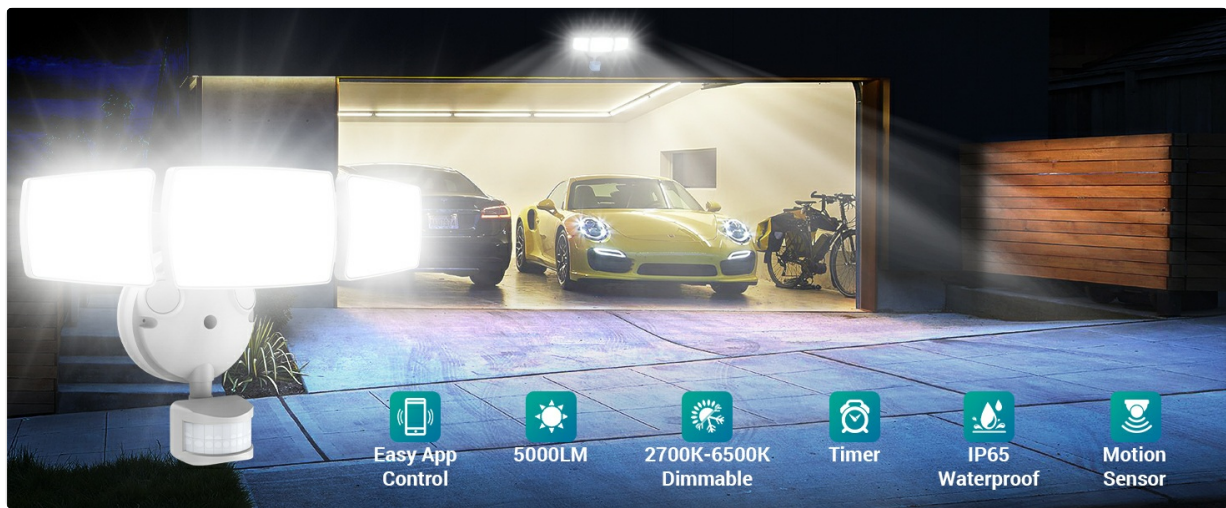
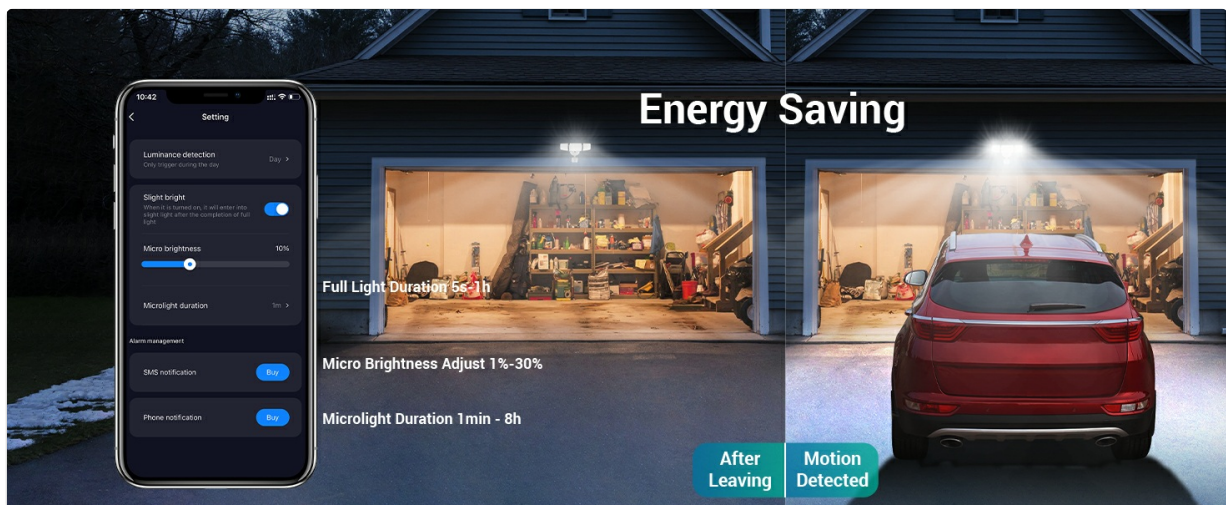Image 6.8: Group control for multiple lights.

Image 6.9: Adjusting motion detection distance.

6.2 Motion Sensor Operation

The integrated motion sensor detects movement and activates the light. You can customize its behavior via the *Smart Life* app.
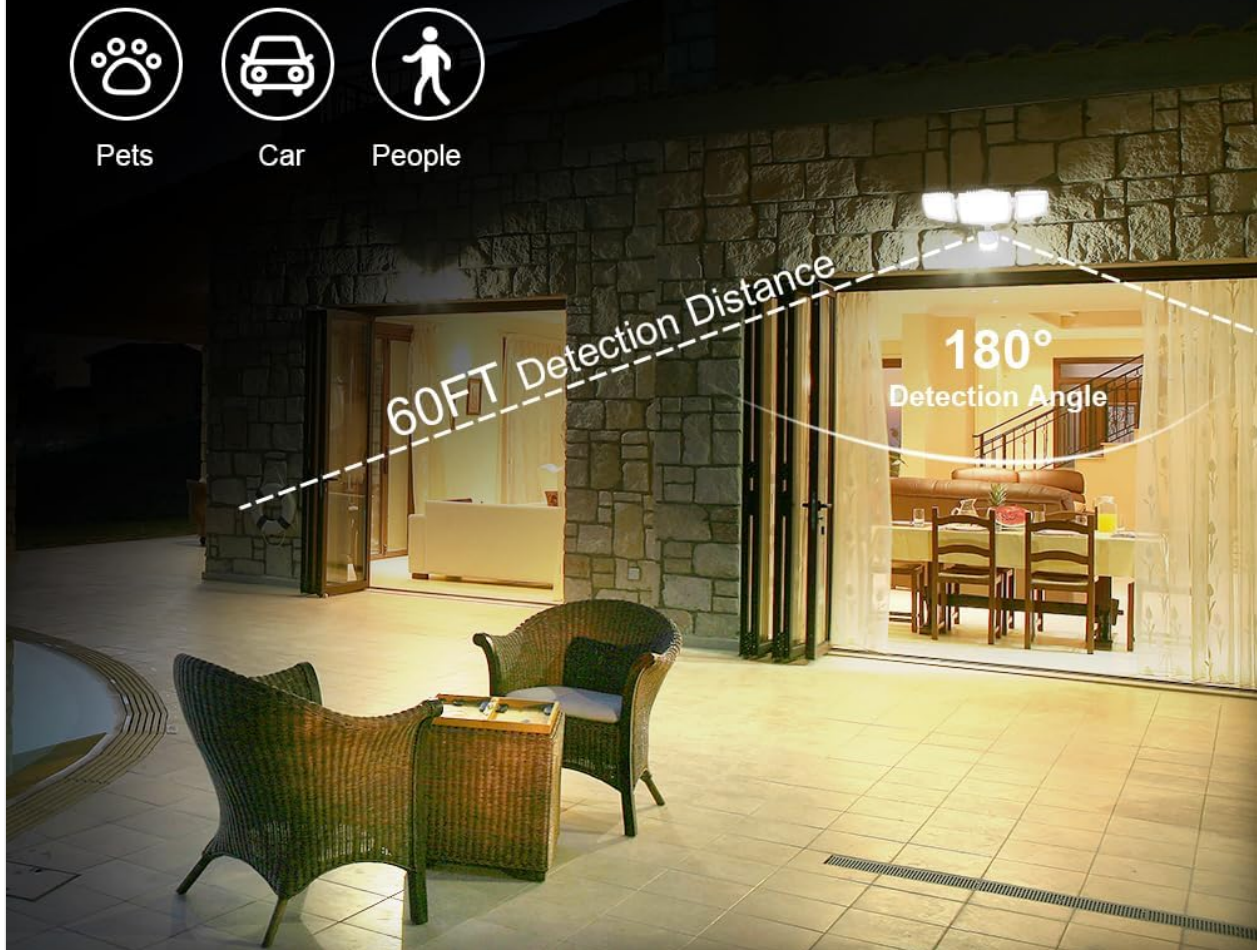
Image 6.10: Upgraded motion sensor capabilities.

- **Detection Angle:** Up to 180 degrees.
- **Detection Range:** Up to 60 feet.
- **Sensitivity:** Adjustable within the app to prevent false triggers (e.g., from small animals).
- **Ambient Light Trigger:** Set the light level at which the motion sensor becomes active.
- **Event Records:** View motion detection event history in the app.

6.3 Voice Control

Use simple voice commands with Alexa or Google Home to control your light.

2700K-6500K Stepless Adjustment

Image 6.11: Voice control with Alexa and Google Home.

Image 6.12: Mobile and voice control capabilities.

- "Alexa, turn on the [light name]."
- "Hey Google, set [light name] to 50% brightness."

- "Alexa, change [light name] to warm white."

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your USTELLAR Smart Outdoor LED Security Light.

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Regularly check for any loose wiring, damaged components, or signs of wear. Address any issues promptly.
- **Sensor Lens:** Keep the motion sensor lens clean and free from obstructions (e.g., dirt, spiderwebs) to ensure accurate detection.

8. TROUBLESHOOTING

If you encounter issues with your USTELLAR Smart Outdoor LED Security Light, refer to the following common solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power; faulty wiring; light in OFF mode.	Check circuit breaker. Verify wiring connections. Ensure light is not set to OFF in the app or by voice command.
Light disconnects from Wi-Fi or app.	Weak Wi-Fi signal; router settings; 5GHz network.	Ensure light is within 2.4GHz Wi-Fi range. Confirm your router is broadcasting a 2.4GHz network. Re-pair the device if necessary (ON/OFF 3 times).
Motion sensor not working or too sensitive.	Obstruction; incorrect settings; interference.	Clear any obstructions from the sensor lens. Adjust motion detection sensitivity and ambient light trigger in the app. Ensure the sensor is not conflicting with Alexa control (if applicable, try disconnecting from Alexa to test).
Voice control not responding.	Incorrect device name; app not linked; Wi-Fi issue.	Verify the device name in Alexa/Google Home app. Ensure *Smart Life* account is correctly linked. Check Wi-Fi connection.
Light blinks or flickers.	Loose connection; power fluctuation; faulty unit.	Check all wiring connections. Ensure stable power supply. If problem persists, contact customer support.

9. SPECIFICATIONS

| Feature	Detail
Brand	USTELLAR
Model Name	UT88105W-CW-US-2
Power Source	Corded Electric
Voltage	120 Volts
Wattage	50 Watts
Brightness	5000 Lumens
Color Temperature	2700K-6500K (Tunable White)
Light Source Type	LED
Control Method	App (Smart Life), Voice (Alexa, Google Home)
Connectivity Protocol	Wi-Fi (2.4GHz only)
Motion Sensor	180° detection angle, 60 ft range
Water Resistance Level	IP65
Material	Aluminum, Acrylonitrile Butadiene Styrene
Product Dimensions	3.3"L x 3.3"W x 3.3"H (Fixture body)
Item Weight	4.58 pounds
Average Life	50,000 Hours
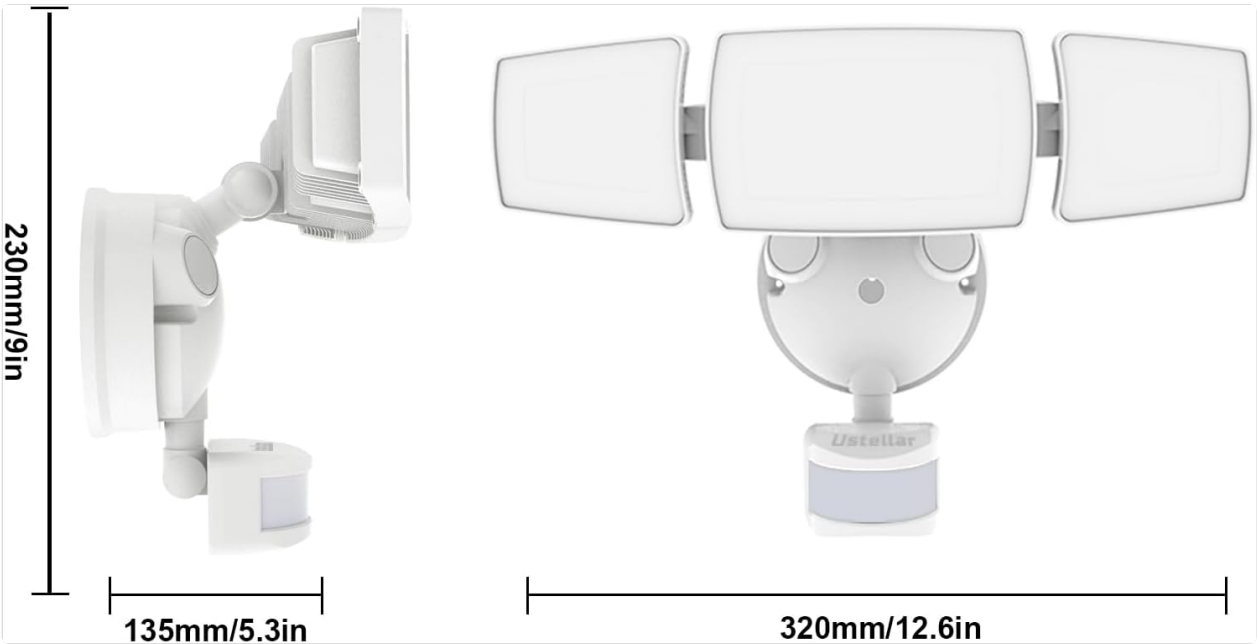
Image 9.1: Product dimensions.

10. WARRANTY AND SUPPORT

10.1 Warranty Information

This USTELLAR product comes with a **Limited Warranty**. Please refer to the product packaging or USTELLAR's official website for specific warranty terms and duration. Keep your purchase receipt as proof of purchase for warranty claims.
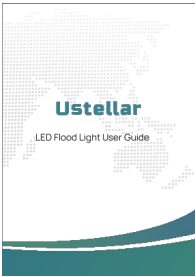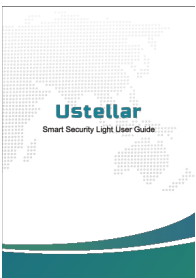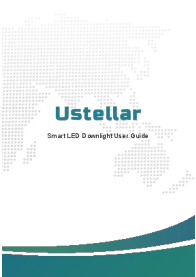
10.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact USTELLAR customer support through their official website or the contact information provided with your product packaging.
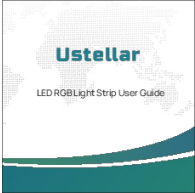
11. PRODUCT VIDEOS

No relevant official product videos from the seller were found in the provided data to embed in this manual.

Related Documents - UT88105W-CW-US-2

Ustellar LED Flood Light User Guide	[Ustellar 100W LED Flood Light User Guide: Installation, Features, and Operation](#) Comprehensive guide for the Ustellar 100W LED Flood Light (Model UT88868). Learn about its parameters, components, installation steps, and remote control functions including D2D mode and timer settings. Includes important safety notes and manufacturer information.
Ustellar Smart Security Light User Guide	[Ustellar UT88107 Smart Security Light User Guide - Installation & Voice Control](#) User guide for the Ustellar UT88107 Smart Security Light. Learn installation, Smart Life app setup, and integration with Amazon Alexa and Google Assistant for smart home automation.
Ustellar Smart LED Downlight User Guide	[Ustellar Smart LED Downlight User Guide - Installation, Setup, and Voice Control](#) Comprehensive user guide for Ustellar Smart LED Downlights. This guide covers installation, pairing with the Smart Life app, integration with Amazon Alexa and Google Assistant, and remote control setup.

	[Ustellar LED RGB Flood Light User Guide: Installation, Features & Remote Control](#) User guide for Ustellar LED RGB Flood Lights (models UT88863, UT88866, UT88867). Includes installation steps, component details, remote control operation, DIY color settings, specifications, and contact information.
	[Ustellar Smart Security Light User Guide: Installation and Smart Home Integration](#) Comprehensive user guide for Ustellar Smart Security Lights (UT88105, UT88106), covering installation, setup with the Smart Life app, and integration with Amazon Alexa and Google Assistant for smart home control.
	[Ustellar LED RGB Light Strip User Guide - Specifications & Installation](#) User guide for Ustellar LED RGB Light Strips (UTS33380-RGB, UTS33381-RGB). Find specifications, installation steps, safety information, and control details.