

Tuffenough 8330D-210R

Tuffenough Solar Outdoor Lights Model 8330D-210R Instruction Manual

Your guide to installation, operation, and maintenance.

1. INTRODUCTION

Thank you for choosing the Tuffenough Solar Outdoor Lights Model 8330D-210R. This product is designed to provide efficient and reliable outdoor illumination using solar power, featuring motion sensing capabilities and remote control operation. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your device.



An overview of the Tuffenough Solar Outdoor Light, showcasing its three adjustable LED light heads, integrated solar panel, motion sensor, and the included remote control.

2. SAFETY INFORMATION

- Ensure the product is installed securely to prevent it from falling.
- Do not disassemble or modify the product. This may cause damage and void the warranty.
- Keep the solar panel clean to ensure optimal charging efficiency.
- Avoid direct eye exposure to the LED light, as it can be very bright.
- This product is designed for outdoor use only and is IP65 waterproof. However, avoid submerging it in water.
- Dispose of the product and its battery responsibly according to local regulations.

3. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- Tuffenough Solar Outdoor Light (Model 8330D-210R)
- Remote Control
- Mounting Screws (4x)
- Plastic Anchors (4x)
- Wall Bracket (2x, for multi-pack variants, 1x for single pack)
- Instruction Manual

4. PRODUCT FEATURES

- **Super Bright Illumination:** Equipped with 210 super bright LED beads, producing up to 2500 lumens and 6500K cool white light.
- **Remote Control:** Wireless remote for convenient selection of lighting modes.
- **Three Lighting Modes:** Strong light sensor mode, Dim light sensor mode, and Strong long light mode.
- **Wide Angle Illumination:** Three adjustable heads provide up to 270° wide lighting coverage.
- **PIR Motion Sensor:** Detects motion up to 26 feet (8 meters) away.
- **Efficient Solar Charging:** Built-in 2000mAh rechargeable battery with a high-efficiency polysilicon solar panel.
- **Durable & Waterproof:** IP65 waterproof rating ensures functionality in various weather conditions.
- **Wireless Design:** Easy to install without the need for complex wiring.



An infographic highlighting the main features of the Tuffenough Solar Outdoor Light, including its brightness, battery capacity, remote control functionality, motion sensor, and adjustable lighting modes.



A diagram explaining the upgraded polysilicon solar panel technology, which enhances solar conversion efficiency for better charging performance.

5. SETUP AND INSTALLATION

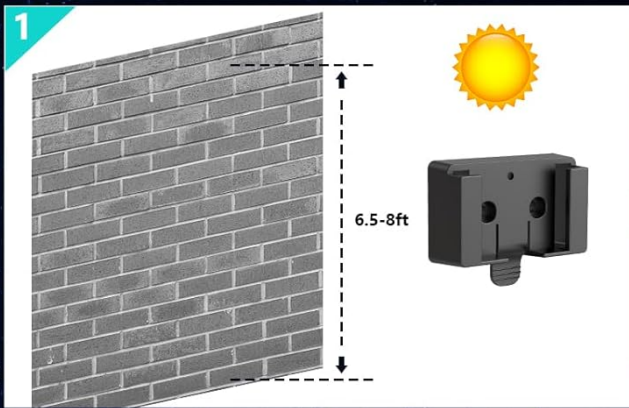
5.1 Choosing an Installation Location

Select a location that receives direct sunlight for at least 6-8 hours daily to ensure optimal charging of the solar panel. Avoid areas under eaves, trees, or other obstructions that might block sunlight. The recommended installation height is between 6.5 to 10 feet (2 to 3 meters) for effective motion detection and light coverage.

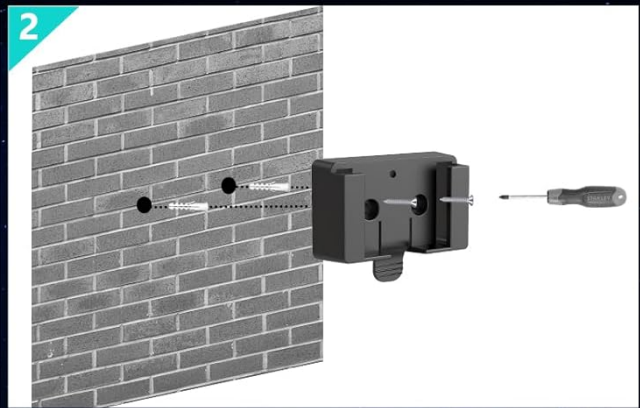
5.2 Installation Steps

1. **Mark Screw Points:** Hold the wall bracket against the desired installation surface. Use a pencil to mark the positions for the screws through the holes on the bracket.
2. **Drill Holes and Insert Anchors:** Drill holes at the marked positions. Insert the plastic anchors into the drilled holes.
3. **Install Wall Bracket:** Secure the wall bracket to the surface using the provided screws.
4. **Attach Light:** Hang the solar light unit onto the installed wall bracket, ensuring the solar panel faces upwards towards the sun.
5. **Adjust Light Heads:** Adjust the three light heads to cover your desired illumination area.

How to Install



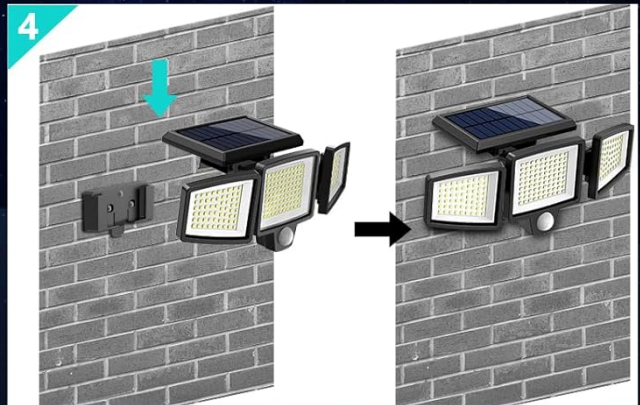
Choose a location exposed to direct sunlight. (Recommended Height: 6.5-8 ft)



Mark the screw points through the holes, install the lamp base.



Select Mode by Light Button or Remote.



Hang the light on the base with the solar panel facing up.

A four-step visual guide demonstrating the installation process, from choosing a location with direct sunlight to mounting the light and selecting an operating mode.



3 Heads Wide Angle Motion Sensor Lights

Max 26ft Detecting Distance

Recommended Installation Height: 10ft

An illustration demonstrating the wide-angle motion detection and illumination provided by the three adjustable light heads, covering a maximum sensing distance of 26 feet.

5.3 Initial Charging

Before first use, ensure the solar light is placed in direct sunlight for 2-3 days with the power button in the 'OFF' state to allow the battery to fully charge. This optimizes initial battery performance.



Visual representation of the solar light's automatic function: charging its internal battery during daylight hours and activating automatically as darkness falls.

6. OPERATING INSTRUCTIONS

The Tuffenough Solar Outdoor Light can be operated using the integrated button or the included wireless remote control.

6.1 Remote Control Functions

The remote control allows you to easily switch between modes and turn the light ON/OFF.

- **ON/OFF Button:** Turns the light on or off.
- **Mode 1 Button:** Activates Strong Light Sensor Mode.
- **Mode 2 Button:** Activates Dim Light Sensor Mode.

- **Mode 3 Button:** Activates Strong Long Light Mode.

Wireless Remote Control

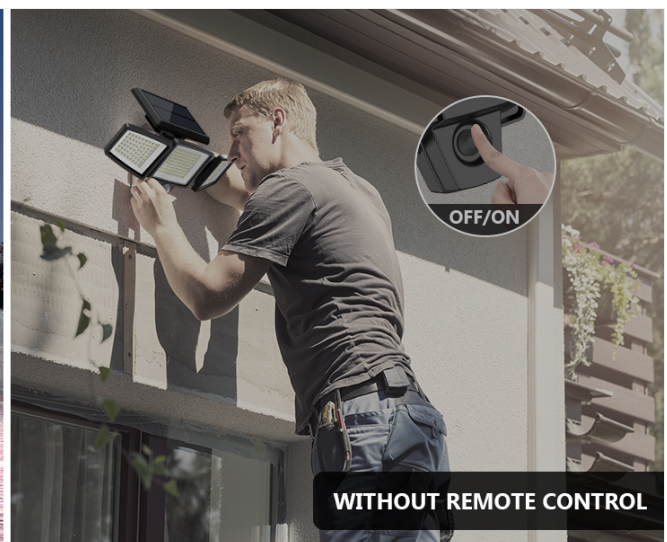
Control the wireless remote control at any time to choose the mode.



Illustration of the wireless remote control being used to operate the solar outdoor light, demonstrating its convenience for selecting lighting modes from a distance.



WITH REMOTE CONTROL



WITHOUT REMOTE CONTROL

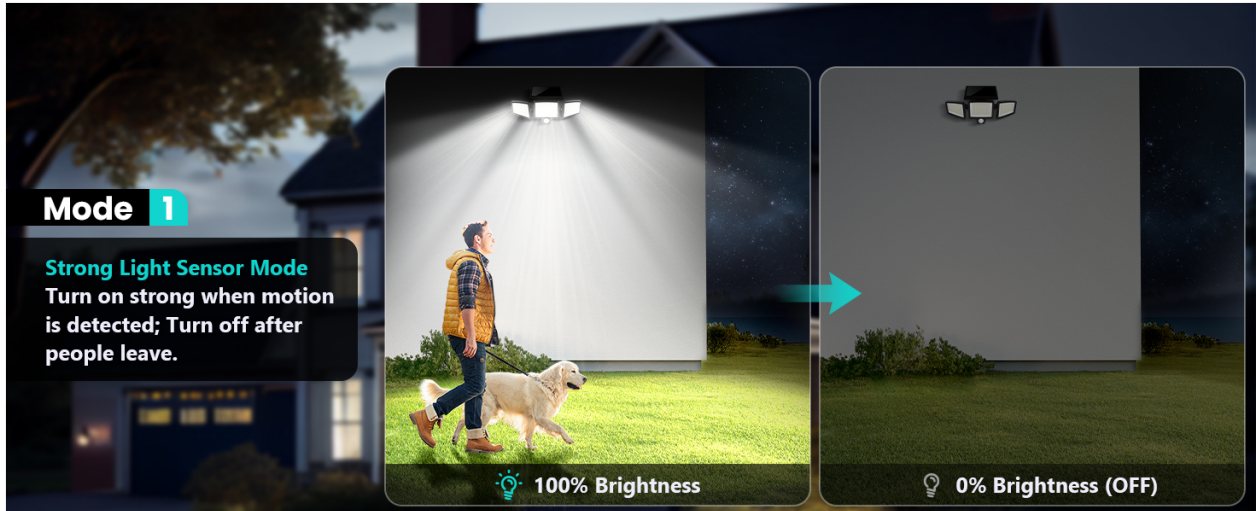
This image contrasts the convenience of using the remote control for mode selection versus manually pressing the button on the light

6.2 Lighting Modes

The light offers three distinct operating modes to suit various needs:

- **Mode 1: Strong Light Sensor Mode**

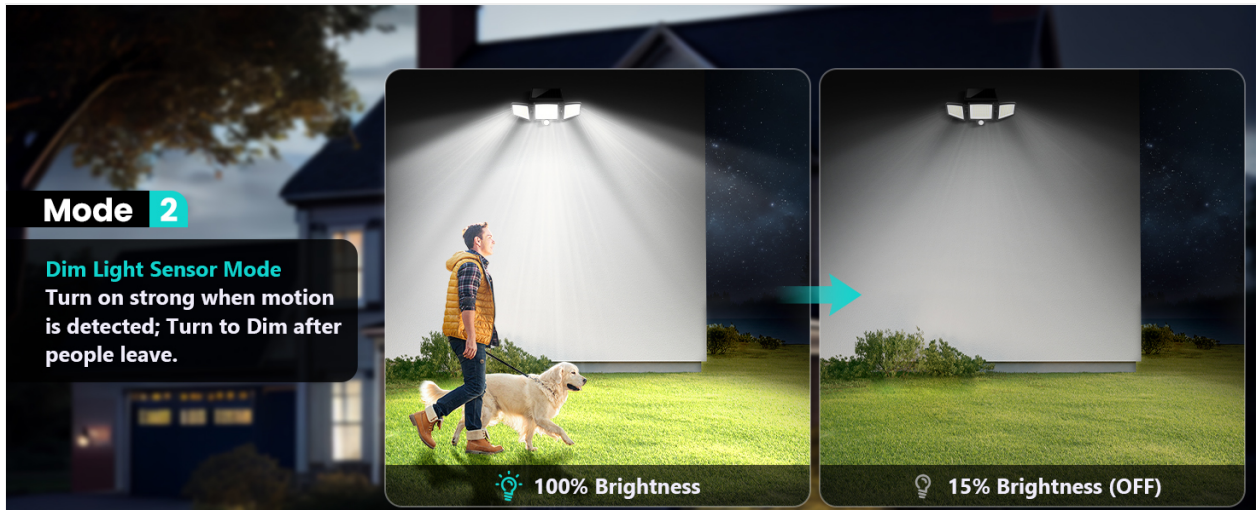
The light remains off in darkness. When motion is detected, it turns on at 100% brightness. After approximately 15-30 seconds of no motion, the light turns off completely.



Detailed explanation of Mode 1 (Strong Light Sensor Mode): The light turns on with strong brightness when motion is detected and turns off after motion ceases.

- **Mode 2: Dim Light Sensor Mode**

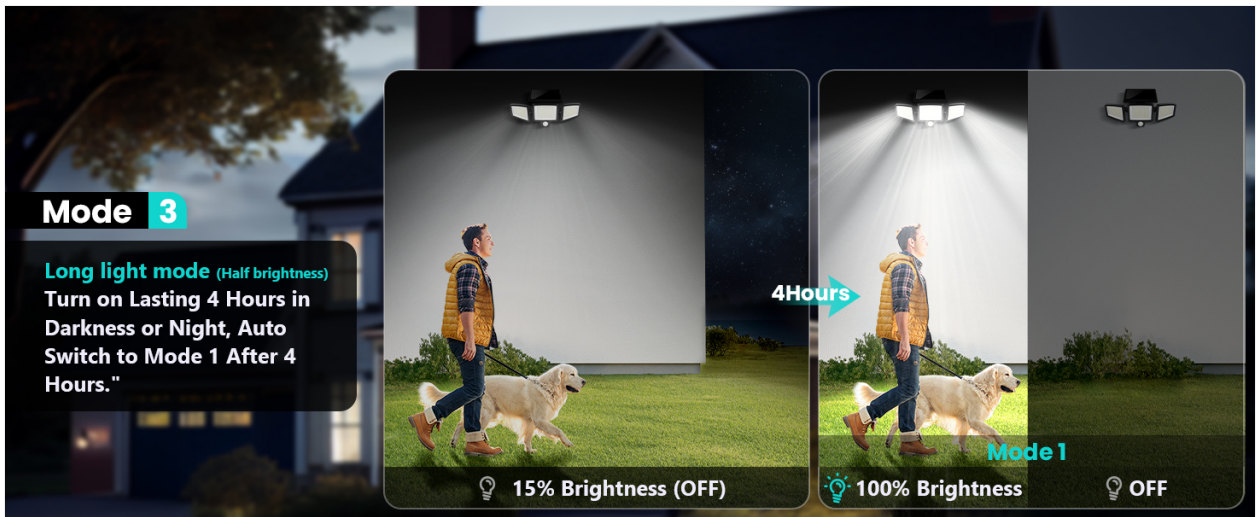
The light stays on at a dim brightness (approximately 15%) in darkness. When motion is detected, it brightens to 100%. After approximately 15-30 seconds of no motion, it returns to dim brightness.



Detailed explanation of Mode 2 (Dim Light Sensor Mode): The light turns on with strong brightness when motion is detected and then dims to a lower brightness after motion ceases.

- **Mode 3: Strong Long Light Mode**

The light turns on at a consistent brightness (approximately 15%) in darkness and stays on for 4 hours. After 4 hours, it automatically switches to Mode 1 (Strong Light Sensor Mode).



Detailed explanation of Mode 3 (Strong Long Light Mode): The light stays on at a consistent brightness for 4 hours in darkness, then automatically switches to Mode 1.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean solar panel ensures maximum charging efficiency.
- **Battery Care:** If the light is not used for an extended period, or if it experiences prolonged cloudy/rainy weather, it is recommended to turn the light off and allow the solar panel to charge for 2-3 days in direct sunlight to maintain battery health.
- **Inspection:** Periodically check the mounting screws and bracket to ensure the light remains securely attached.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure the solar panel is in direct sunlight for 6-8 hours daily. Clean the solar panel. Allow 2-3 days for initial full charge.
Light stays dim or turns off too quickly.	Low battery charge.	Ensure adequate sunlight exposure. Turn off the light for a day or two to allow full charging.
Motion sensor not detecting.	Obstruction or incorrect installation height.	Ensure no objects are blocking the sensor. Verify installation height is within 6.5-10 ft.
Remote control not working.	Battery in remote is dead or remote is too far.	Replace remote control battery. Ensure remote is within effective range (typically 10-15 feet).

9. SPECIFICATIONS

Feature	Detail
---------	--------

Feature	Detail
Model	8330D-210R
Brand	Tuffenough
Light Source	210 LED beads
Brightness	2500 Lumens
Color Temperature	6500K (Cool White)
Battery	2000mAh Rechargeable
Motion Sensor Range	Up to 26 feet (8 meters)
Detection Angle	270°
Waterproof Rating	IP65
Material	Acrylonitrile Butadiene Styrene
Product Dimensions	11"L x 5.5"W x 3.5"H (27.9cm L x 14cm W x 8.9cm H)
Item Weight	1.19 pounds (0.54 kg)
Control Method	Remote Control, Motion Sensor

Product Size



Net Weight
0.88 LB

A detailed diagram indicating the physical dimensions of the solar light unit, including the solar panel and light heads, along with its net weight.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact the seller or manufacturer directly through your purchase platform. Keep your purchase receipt or order number handy for faster service.