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› eSenlite EE118WMC Flush Mount LED Motion Activated Ceiling Light User Manual

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Model: EE118WMC | Brand: eSenlite

INTRODUCTION

The eSenlite EE118WMC is an advanced AC-powered motion-sensing LED light designed for ceiling and wall mounting. It features flexible, adjustable lighting profiles and incorporates doppler/radar motion sensing technology. This light offers two primary operating modes: SMART mode, which brightens upon motion detection and dims to a preset moonlight level when no motion is detected, and AUTO mode, which activates only when motion is detected. Users can customize settings such as motion sensor coverage range, delay time, dimming brightness (5-30% of maximum), and ambient light level for activation. This product is suitable for various commercial and residential applications, including hallways, stairways, balconies, patios, storage areas, restrooms, garages, closets, and attics, serving as an energy-efficient lighting solution.

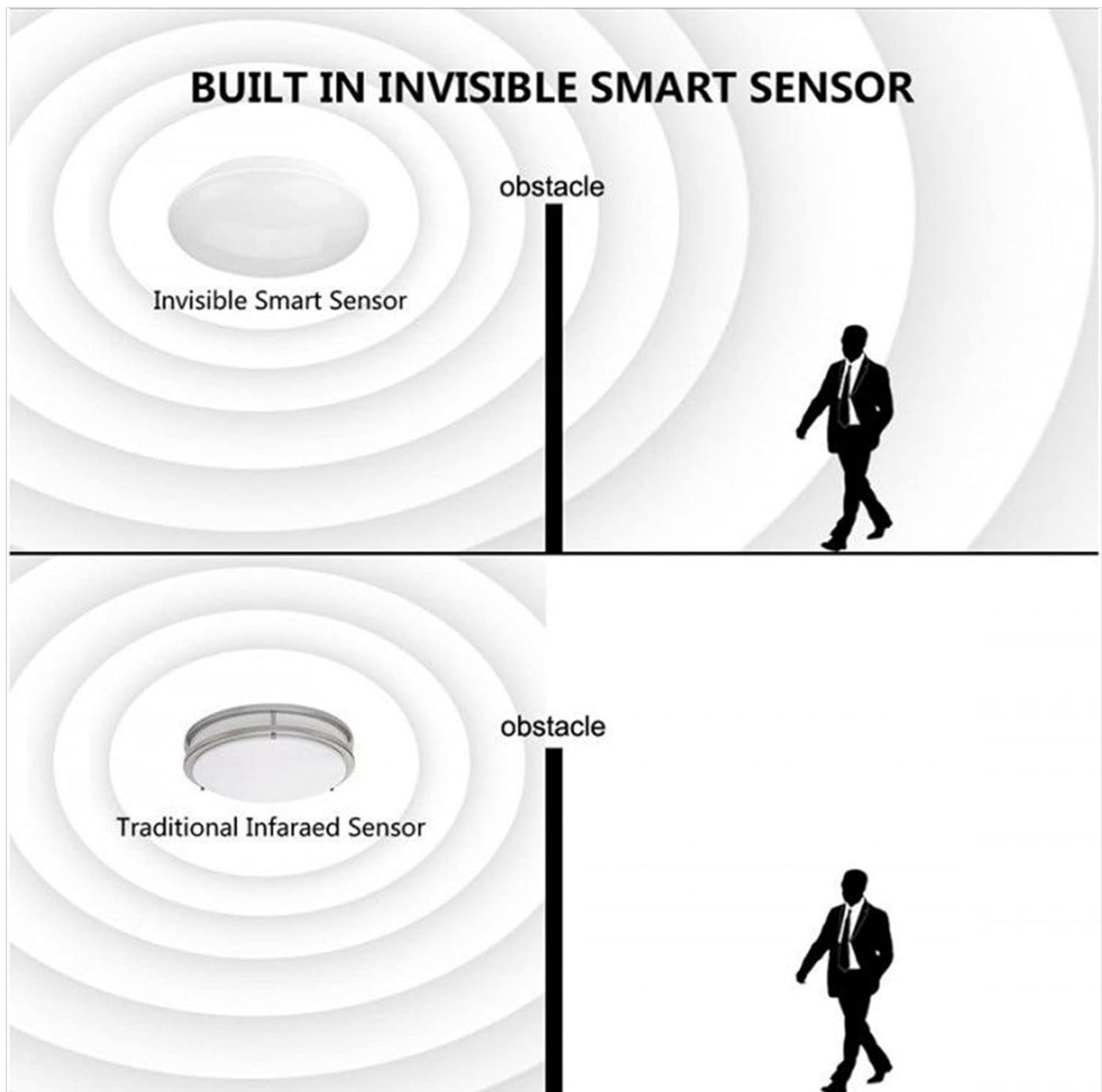


Figure 1: Invisible Smart Sensor Technology

KEY FEATURES

- Invisible Doppler/Radar sensing technology for prompt motion detection.
- 3rd-generation LED illuminators providing over 1250 lumens output (peak), equivalent to a 100W+ incandescent bulb.
- User-friendly lighting profiles with adjustable settings for customization.
- Switch-free convenience for automated operation.
- Easy-to-use and quick setup, suitable for DIY and professional installations.

PACKAGE CONTENTS

The eSenlite EE118WMC package includes:

- 1 x eSenLite Invisible Motion Activated Ceiling/Wall SMART LED Light Series (Model: EE118WMC)
- Installation hardware (e.g., wire nuts, screws)

IMPORTANT SAFETY INFORMATION

- **Turn off the main AC power before installation.**
- Keep the unit away from children during installation.
- Avoid installation locations with high temperature and/or humidity.
- Do not place objects in front of the motion detector that may affect illumination performance.
- Avoid installing the unit near air conditioners, central heaters, or in outdoor areas without water/weatherproof protection.
- For typical DIY or customized light replacement projects, consult a local hardware store or an experienced electrical technician for assistance with specific mounting accessories and installation needs.
- User and installer must consider the application site's environmental conditions and specific lighting purpose to determine the best mounting and installation arrangement.
- All installation procedures must follow local safety standards and building/electric regulations.
- The manufacturer and seller do not undertake any responsibility for losses caused by improper operation and installation.

TECHNICAL SPECIFICATIONS

Brand	eSenlite
Model Number	EE118WMC
Power Source	Corded Electric (100-240V AC)
Wattage	18 Watts
Light Source Type	LED (180 LEDs)
Light Color	Warm White (3000K) or Pure White (5000K)
Brightness	1000 lumens (Warm White), 1250 lumens (Pure White)
Material	Aluminum, Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	13"L x 4.5"W x 13.5"H
Item Weight	1.5 Pounds
Installation Type	Built-In, Ceiling Mount
Weatherproof Rating	IP43, Class 2
Operating Temperature	4°F to 125°F

MODES

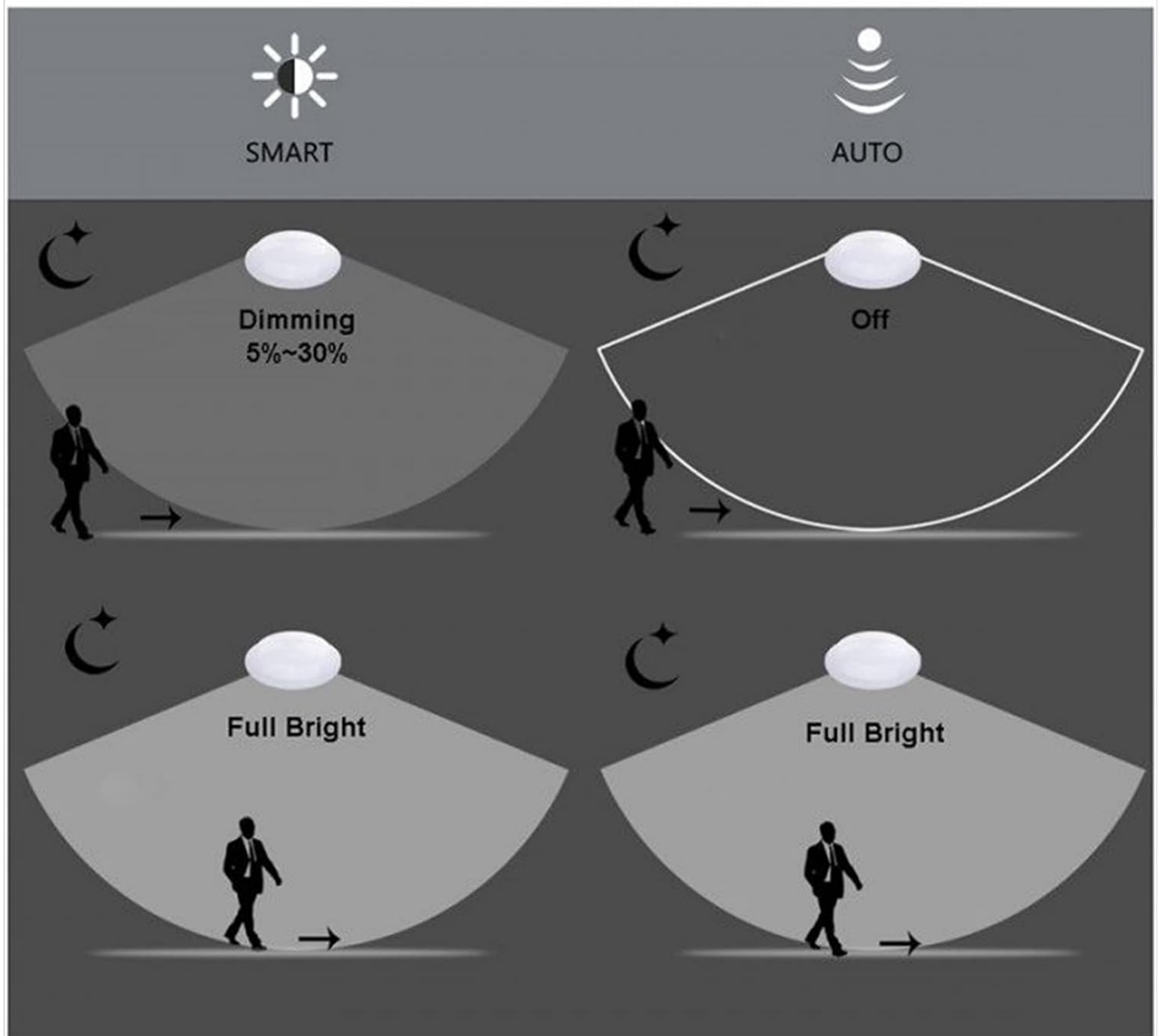


Figure 2: Operating Modes Overview

INSTALLATION GUIDE

This section provides a step-by-step guide for installing your eSenlite EE118WMC light fixture. Ensure main AC power is turned off before beginning installation.

Installation Video

Your browser does not support the video tag.

Video 1: eSenlite EE118WMC Installation & Setup Guide. This video demonstrates the physical installation and initial setup of the light fixture.

Step-by-Step Instructions

1. **Prepare for Installation:** Ensure the main AC power to the installation area is turned off at the circuit breaker.
2. **Remove Light Cover:** Hold the light base firmly. Rotate the light cover counter-clockwise to detach it from the base.

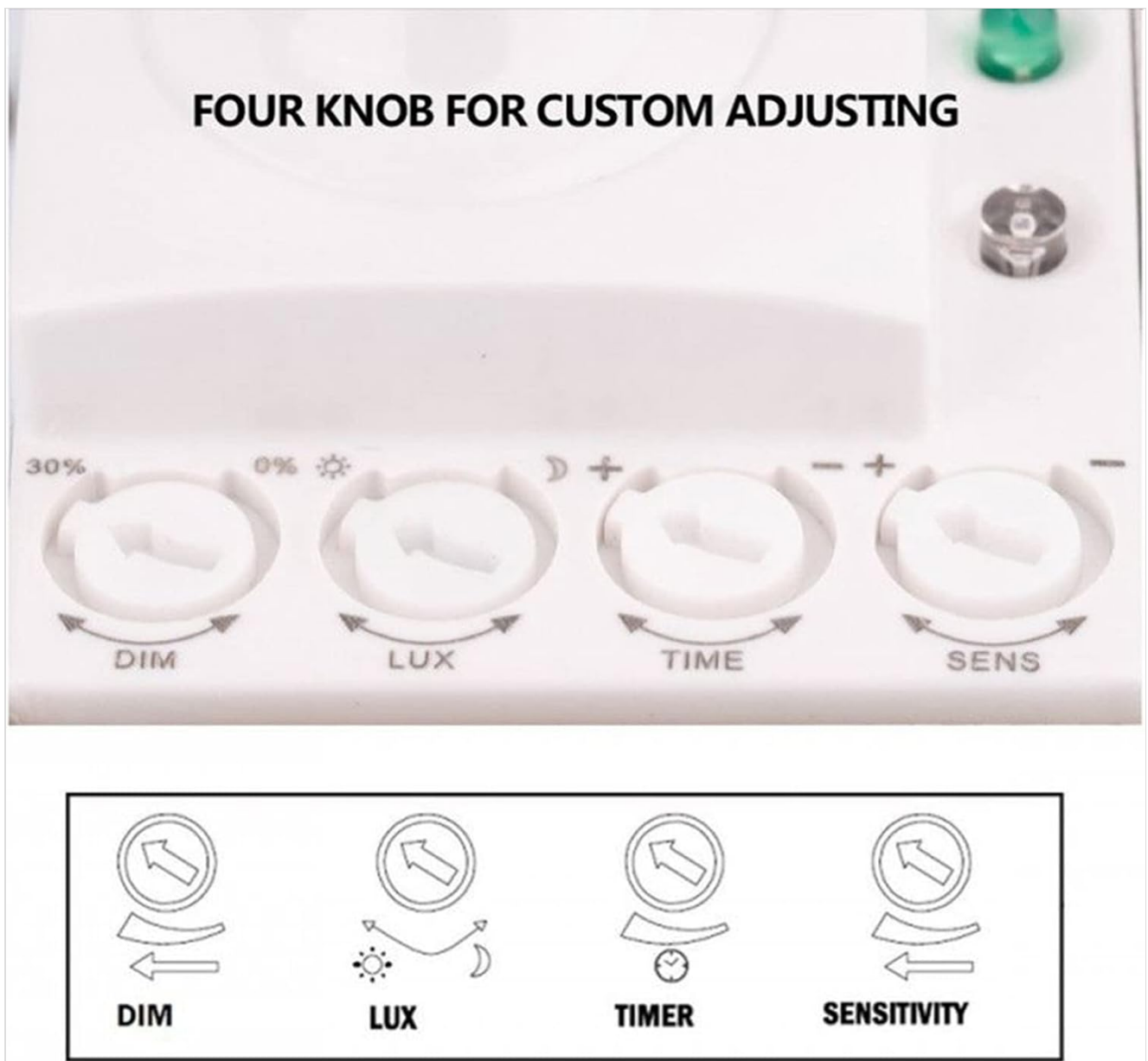


Figure 3: Internal Adjustment Knobs

3. **Access Wiring:** Open the LED matrix panel by bending the two holders to reveal the two power cables and mounting holes.
4. **Mount the Base:** The light base is designed to fit North American standard J-Boxes. Securely attach the light base to the ceiling or desired surface using appropriate mounting hardware.
5. **Connect Wiring:** Connect the power cables from the light fixture to your household wiring. Use the provided wire nuts to ensure secure connections (typically black to black, white to white, and ground to ground).
6. **Adjust Settings (Optional):** Before reattaching the cover, you can customize the lighting profile using the four built-in knobs (DIM, LUX, TIME, SENS). Refer to the "Operation" section for detailed explanations of each knob.
7. **Reattach Light Cover:** Once wiring is complete and settings are adjusted, carefully place the light cover back onto the base and rotate clockwise until it locks securely.
8. **Restore Power:** Turn the main AC power back on at the circuit breaker.

OPERATION AND SETTINGS

The eSenlite EE118WMC offers customizable lighting profiles through its two main modes and four adjustment knobs.

Operating Modes

- **SMART Mode:** In this mode, the light will illuminate to full brightness when motion is detected. When no motion is detected, it will dim down to a preset moonlight brightness level (adjustable via the DIM knob).
- **AUTO Mode:** In this mode, the light will only turn on to full brightness when motion is detected. It will remain off when no motion is detected.

Adjusting Settings with Knobs

The light fixture includes four built-in knobs for fine-tuning its performance:

1. **DIM Knob:** Adjusts the dimming brightness level (5-30% of maximum) for SMART mode.

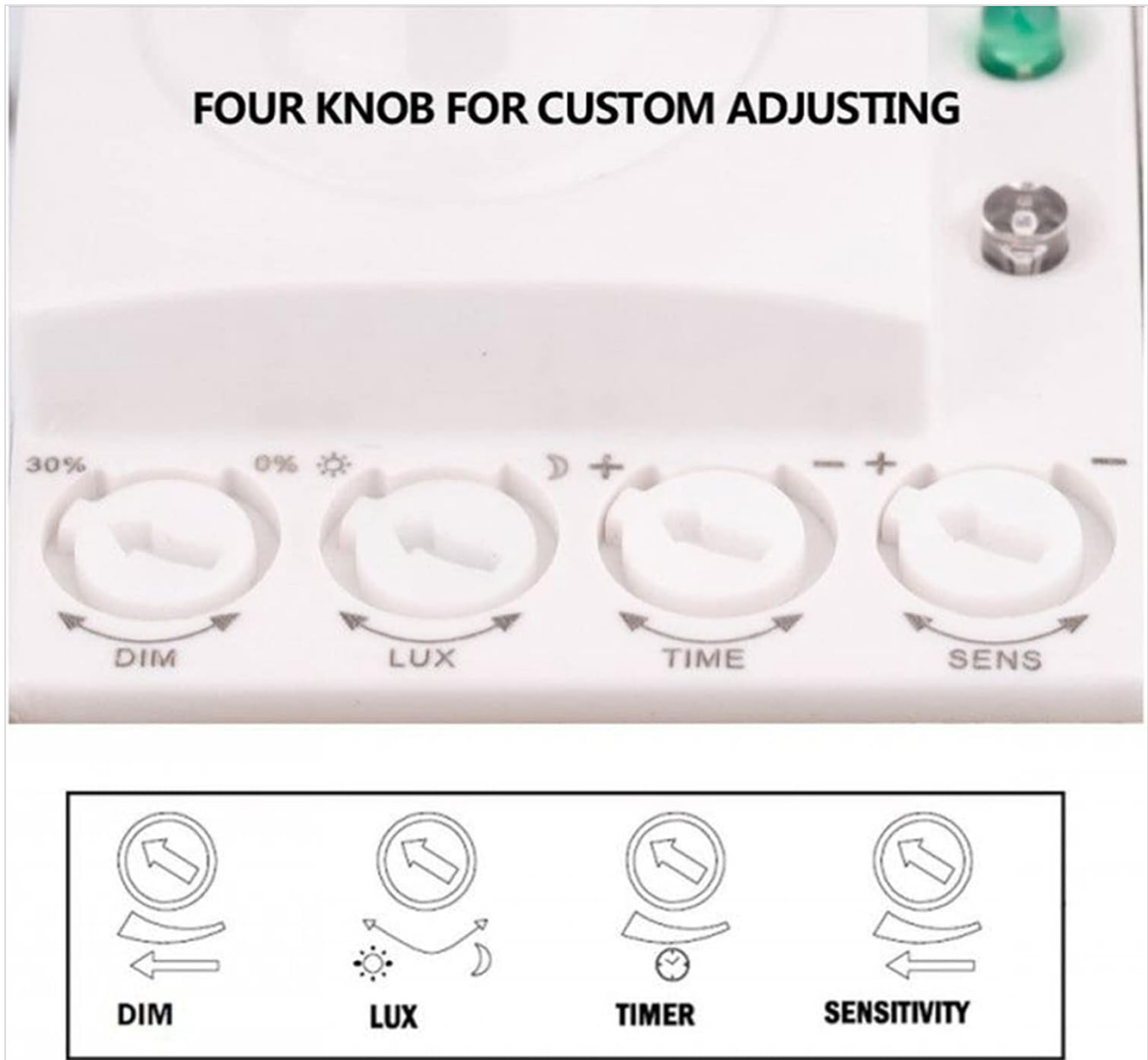


Figure 4: DIM Knob Adjustment

2. **LUX Knob:** Sets the ambient light level at which the motion sensor will trigger the light.

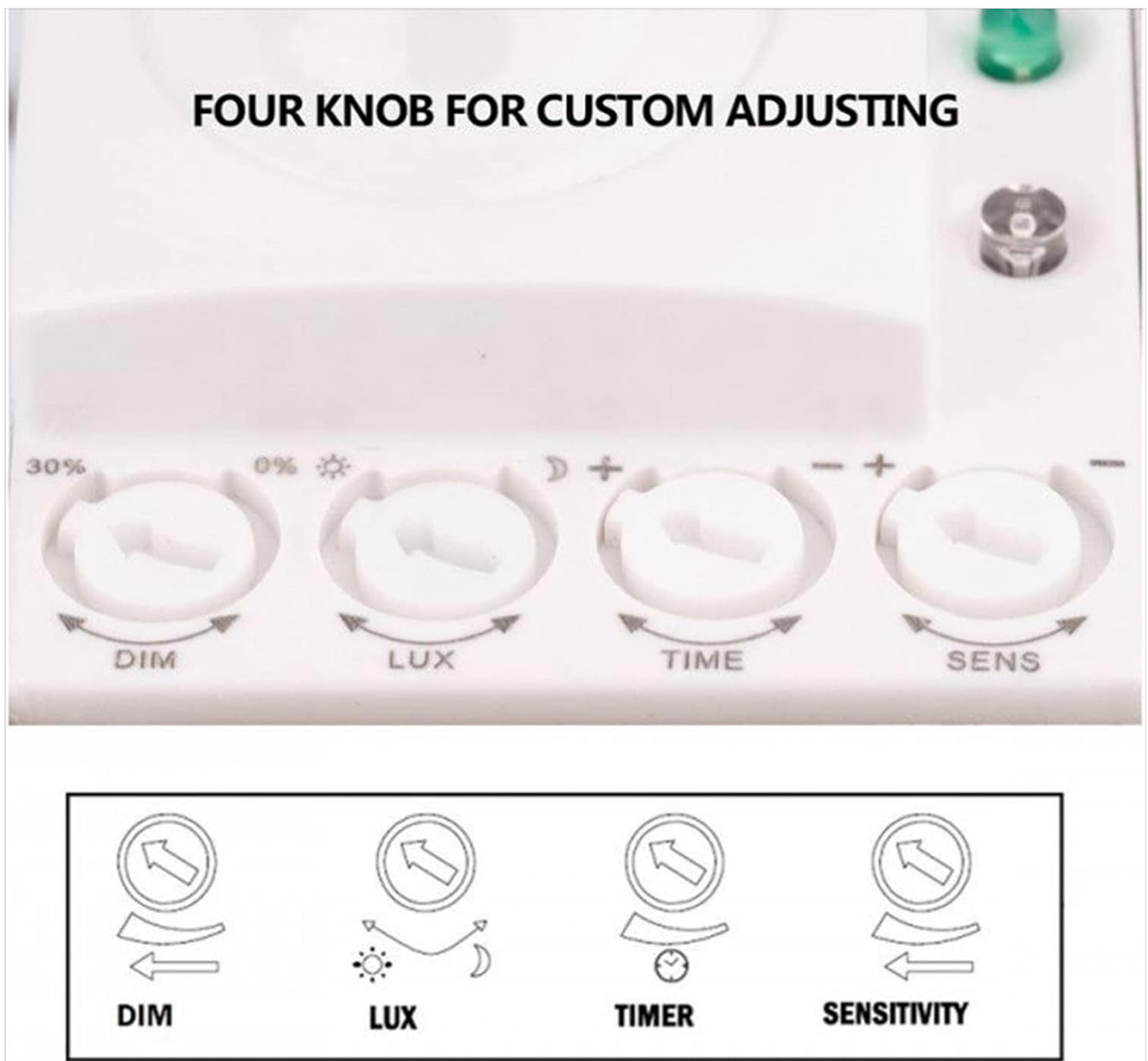


Figure 5: LUX Knob Adjustment

3. **TIME Knob:** Controls the delay time (under AUTO mode) for how long the light stays on after motion is no longer detected. This can extend from 8 seconds to 12 minutes.

FOUR KNOB FOR CUSTOM ADJUSTING

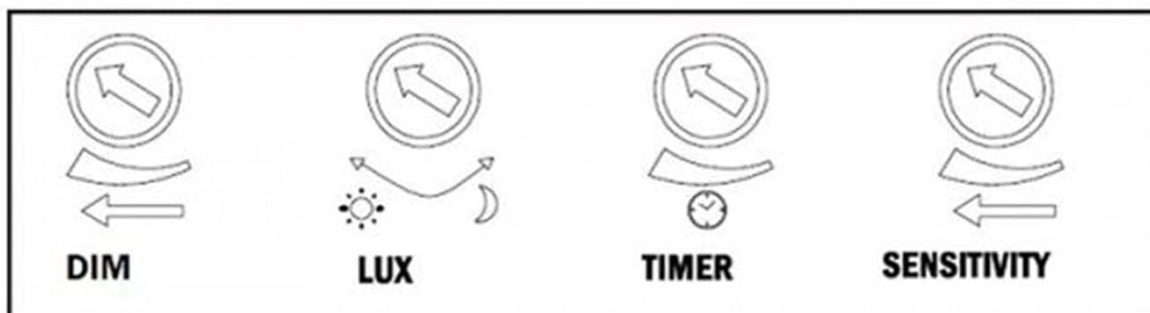
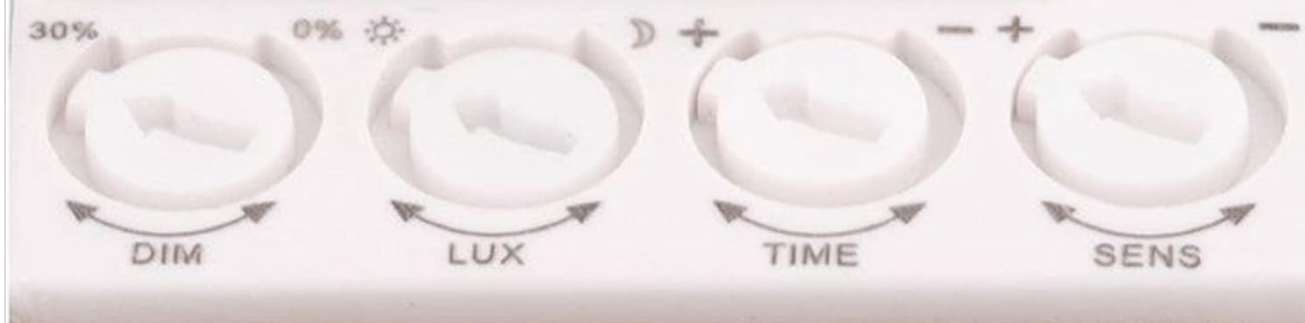


Figure 6: TIME Knob Adjustment

4. **SENS Knob:** Adjusts the sensitivity and detection range of the motion sensor.

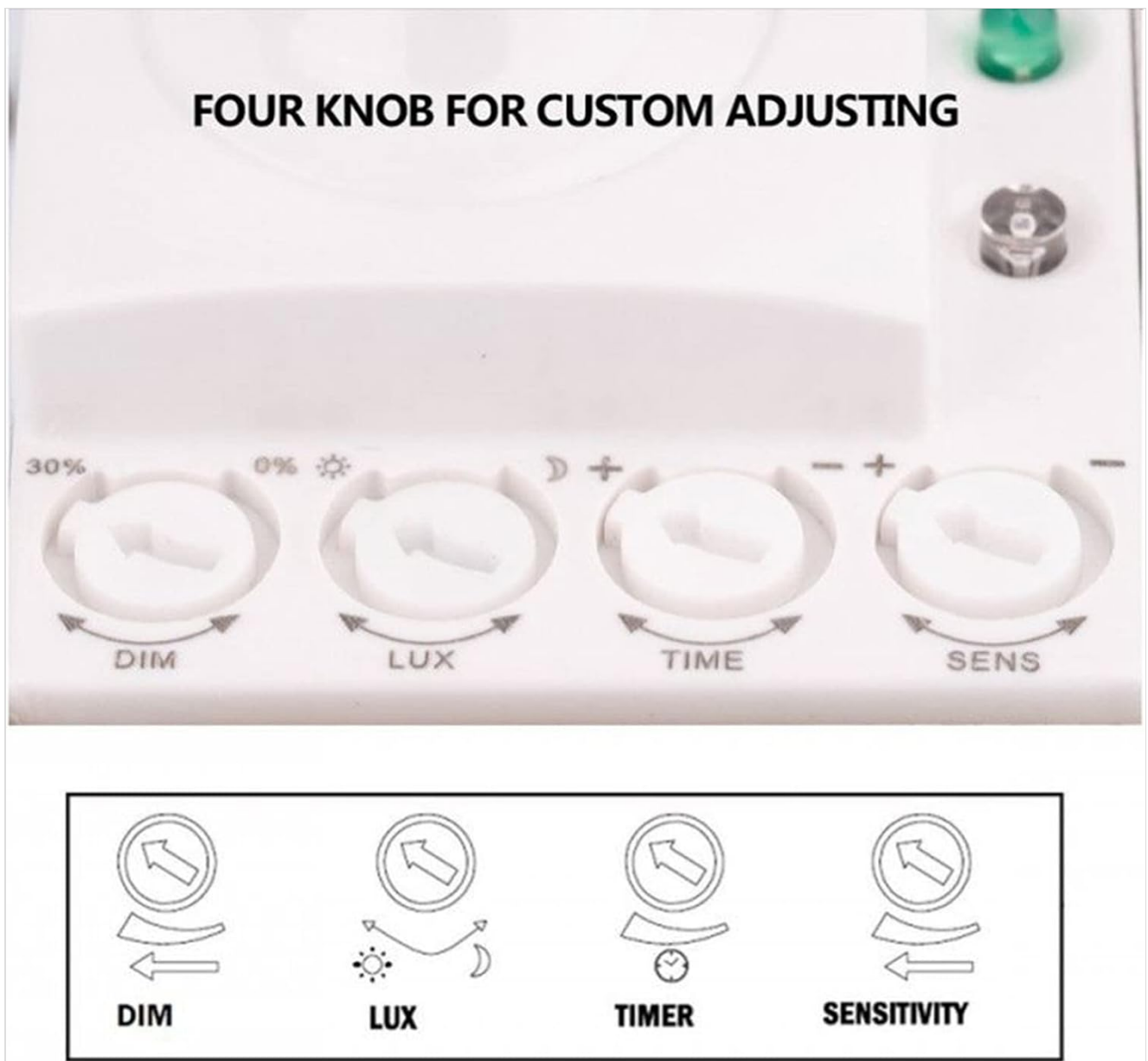


Figure 7: SENS Knob Adjustment

APPLICATION SCENARIOS

The eSenlite EE118WMC is versatile and can be used in various settings:

1. All-Day Long Illumination (SMART Mode)

Ideal for areas requiring continuous lighting, such as apartments, hotels, motels, hallways, elevator lobbies, public restrooms, basements, public garages, patios, and balconies. In SMART mode, the light remains at a dim level and brightens upon motion.



Figure 8: Hallway Illumination Example

2. Automated Illumination (AUTO Mode)

Perfect for closets, storage rooms, stairways, garages, restrooms, and laundry rooms in both residential and commercial buildings. In AUTO mode, the light only turns on when motion is detected, providing light only when needed.



Figure 9: Bathroom Application



Figure 10: Hallway Application

3. Switch-Controlled Application

For areas like office buildings, households, and commercial buildings where manual control is preferred but energy saving is still desired. By setting all knobs to maximum, if someone forgets to turn off the light, it will automatically dim down to the energy-saving mode after the set delay time, preventing unnecessary power consumption.

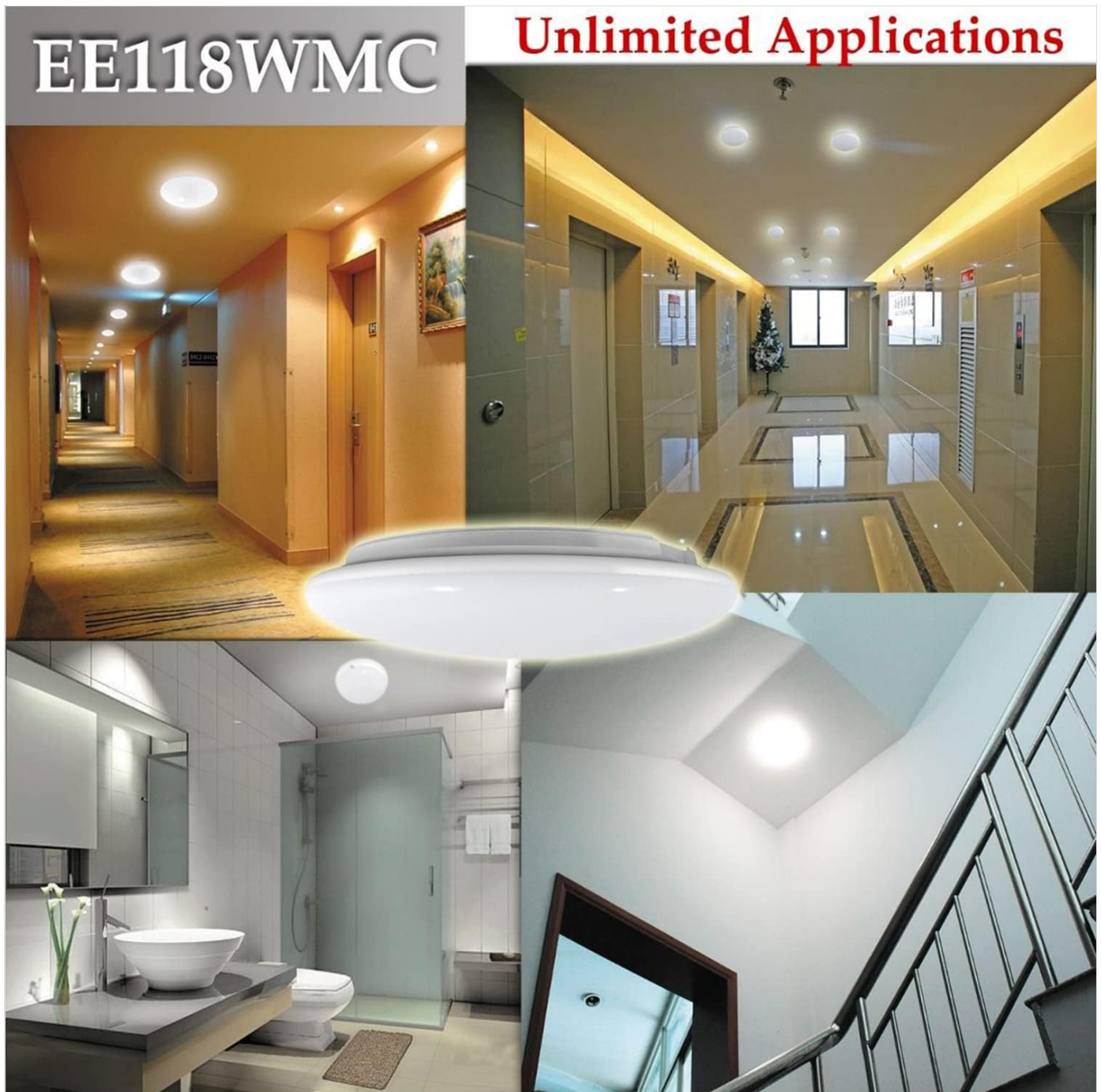


Figure 11: Diverse Application Environments

MAINTENANCE

The eSenlite EE118WMC LED light fixture requires minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the exterior with a soft, dry or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check for any loose connections or physical damage. If any issues are found, consult a qualified electrician.
- **LED Longevity:** The integrated LED illuminators are designed for a long lifespan and do not require replacement under normal operating conditions.

TROUBLESHOOTING

If you encounter issues with your eSenlite EE118WMC, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on.	No power, incorrect wiring, LUX setting too high (daylight), faulty sensor.	Check circuit breaker. Verify wiring connections. Adjust LUX knob to a lower setting or test in darker conditions. Ensure no objects block the sensor.
Light stays on constantly.	Continuous motion detected, TIME setting too long, sensor malfunction.	Ensure no constant motion in the detection zone. Adjust TIME knob to a shorter duration. Check for obstructions near the sensor.
Light is too dim/bright.	DIM knob setting incorrect.	Adjust the DIM knob to your desired brightness level.
Motion detection is inconsistent.	SENS knob setting incorrect, environmental factors (e.g., temperature changes, air currents), obstructions.	Adjust the SENS knob to increase or decrease sensitivity. Ensure the installation location avoids strong air currents or extreme temperature fluctuations. Remove any potential obstructions.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your eSenlite EE118WMC light fixture, please refer to the product packaging or contact eSenlite customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims. Additional protection plans may be available for purchase. Please check with your retailer for details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question