

Youtob PIR-15W-US

Youtob Motion Sensor LED Ceiling Light (Model PIR-15W-US) Instruction Manual

1. PRODUCT OVERVIEW

The Youtob Motion Sensor LED Ceiling Light, Model PIR-15W-US, is a 15W, 1100LM flush mount round lighting fixture designed for various indoor and outdoor applications. It features motion activation and a light sensor for automatic operation, providing 3000K warm white light. This product is ETL certified, ensuring compliance with stringent North American safety standards.



Figure 1: Front view of the Youtob Motion Sensor LED Ceiling Light.

This light is suitable for areas such as hallways, closets, stairways, basements, porches, pantries, and laundry rooms. Its design aims to provide wide coverage and comfortable illumination.

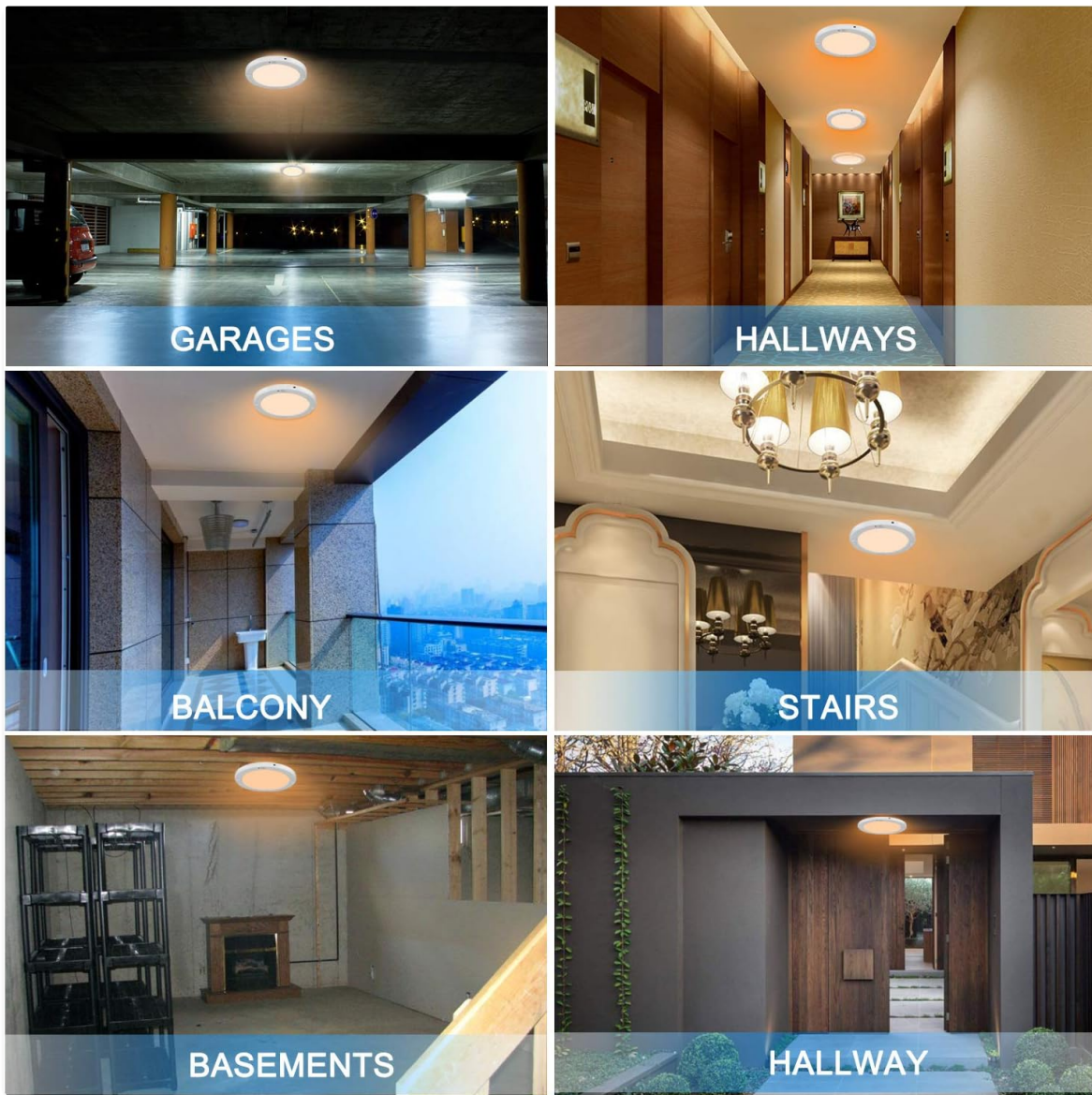


Figure 2: Examples of typical installation locations for the ceiling light.

2. SAFETY GUIDELINES

Please read all instructions carefully before installation and use. Retain this manual for future reference.

- **Electrical Safety:** Installation should be performed by a qualified electrician or a person with electrical knowledge. Ensure power is turned off at the circuit breaker before installation or maintenance.
- **ETL Certification:** This product is ETL certified, indicating it meets recognized safety standards.
- **Voltage:** Operate only with 120 Volts AC.
- **Indoor/Outdoor Use:** Suitable for both indoor and outdoor usage, including porches.
- **Mounting:** Designed for flush mount installation. Ensure the mounting surface is secure and can support the fixture's weight.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Youtob Motion Sensor LED Ceiling Light (1 unit)
- Mounting Hardware (screws, wire nuts, mounting bracket)
- Instruction Manual

4. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	PIR-15W-US
Wattage	15 Watts
Brightness	1100 Lumens
Color Temperature	3000K Warm White
Voltage	120 Volts
Product Dimensions	8.66"L x 8.66"W x 0.65"H (220mm x 220mm x 18mm)
Material	Aluminum, Plastic
Installation Type	Flush Mount
Special Features	Motion Activated, Light Sensor
Certification	ETL, CE, FCC, RoHS



Figure 3: Product dimensions.

5. INSTALLATION INSTRUCTIONS

This fixture is designed for easy hardwired flush mount installation. Always ensure the power is disconnected at the circuit breaker before proceeding.

Required Tools (Not Included):

- Screwdriver
- Wire Strippers
- Electrical Tape

Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker controlling the light fixture's power and switch it to the OFF position.
2. **Prepare Mounting Surface:** Ensure the ceiling or wall surface is clean, dry, and structurally sound to support the light fixture.
3. **Attach Mounting Bracket:** Secure the provided mounting bracket to the junction box using the

screws.

4. **Wire Connections:** Connect the household electrical wires to the fixture's wires using wire nuts. Typically, connect black to black (live), white to white (neutral), and ground to ground. Ensure all connections are secure.
5. **Mount the Fixture:** Carefully align the light fixture with the mounting bracket and secure it in place with the provided screws. Ensure no wires are pinched.
6. **Restore Power:** Once the fixture is securely mounted, turn the power back ON at the circuit breaker.



Figure 4: Example of outdoor installation on a porch.

6. OPERATING INSTRUCTIONS

Motion Activation

The Youtob Motion Sensor LED Ceiling Light is equipped with a passive infrared (PIR) motion sensor and a light sensor. The light will automatically turn on when motion is detected within its range.

- **Detection Range:** Motion is sensed within 9-16 feet (approximately 2.7-4.9 meters).
- **Detection Angle:** The motion sensor has a 120-degree detection angle.

- **Auto Shut-off:** The light automatically turns off approximately 30 seconds after motion ceases.

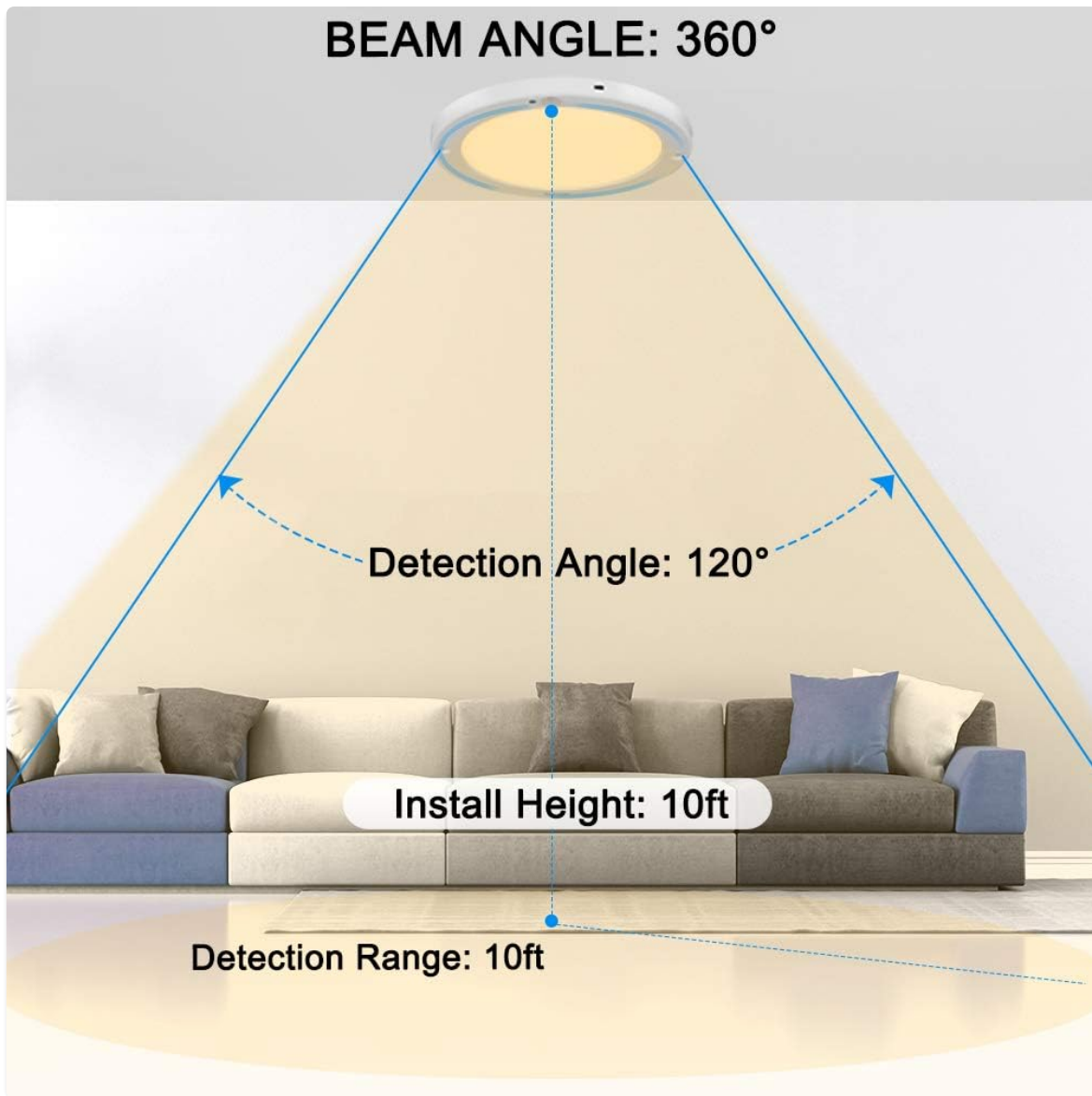


Figure 5: Motion detection and beam angle diagram.

Operating Modes

The fixture offers two operating modes, selectable via a switch on the unit:

- **DAYLIGHT Mode (Sun icon):** In this mode, the motion sensor will activate the light during both daytime and nighttime conditions.
- **NIGHT Mode (Moon icon):** In this mode, the light sensor will prevent activation during daylight hours. The motion sensor will only activate the light when ambient light levels are low (i.e., at night). This mode is generally more suitable for outdoor use or areas where light is only needed after dark.



Motion Sensor & Light Sensor:
Youtob motion sensor light will turn on automatically when you come close. Activates when motion is sensed within 9-16 feet and automatically turns off 30 seconds after motion stops.



Two Modes Available:
Choosing DAYLIGHT mode or NIGHT mode by simply switching The Sun and Moon button. The Daylight mode works in the day and the night, and the Night mode will not light up during the day.



Figure 6: Location of motion sensor, light sensor, and mode selection switch.

7. CARE AND MAINTENANCE

To ensure optimal performance and longevity of your Youtob Motion Sensor LED Ceiling Light, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect power before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or cleaners containing alcohol, as these can damage the finish or electrical components.
- **Inspection:** Periodically check for any loose connections or damage to the fixture. If any damage is observed, discontinue use and consult a qualified electrician.
- **LED Lifespan:** The integrated LED light source is designed to last over 30,000 hours, reducing the need for frequent bulb replacement.

8. TROUBLESHOOTING GUIDE

If you encounter issues with your Youtob Motion Sensor LED Ceiling Light, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, incorrect wiring, sensor blocked, or in NIGHT mode during daylight.	Check circuit breaker. Verify wiring connections. Ensure sensor is clear. Switch to DAYLIGHT mode or test at night.
Light stays on continuously.	Constant motion detected, sensor malfunction, or incorrect mode setting.	Ensure no continuous motion in detection area. Check for obstructions near sensor. Verify mode setting (NIGHT mode should turn off during day).
Light flickers or dims.	Loose wiring connection, voltage fluctuations, or fixture defect.	Turn off power and check all wire connections. Consult an electrician if problem persists.
Motion sensor is not sensitive enough.	Installation height too high, sensor obstructed, or environmental factors.	Ensure installation height is within recommended range (e.g., 10ft). Clear any obstructions.

If troubleshooting steps do not resolve the issue, please contact customer support.

9. WARRANTY AND CUSTOMER SUPPORT

Youtob provides an **18-month limited warranty** for this product from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your Youtob Motion Sensor LED Ceiling Light, please contact Youtob customer service. Please have your purchase receipt and product model number (PIR-15W-US) available when contacting support.

Contact Information: Refer to your purchase documentation or the Youtob official website for the most current customer support contact details.