

TG-TY19502 144-LED Motion Sensor Wall Light with Solar Panel for Garden and Patio



Installation Steps

Step 1: Choose Location (Critical for Charging & Sensing)

Solar panel: Install facing south, full-time unobstructed (avoid shade from eaves, trees).
Installation height $\geq 2.5\text{m}$.

Light unit: Install on the wall of the lighting area, height 2–3m, sensor facing activity areas, away from heat sources (air conditioners, etc.)

Step 2: Fix Brackets

Mark mounting holes for the light and panel; distance \leq extension cable length (normally 3–5m).

Drill holes, insert expansion tubes, secure both brackets with screws to ensure stability.

Step 3: Wiring & Installation

Connect both ends of the extension cable to the waterproof ports of the panel and light; tighten waterproof nuts clockwise for sealing.

Mount the light and panel onto brackets. Adjust lighting angle and panel direction (30–45° to the wall, south-facing for maximum sunlight).

After installation, charge under direct sunlight for 5–8 hours to activate the battery.

Lighting Mode Settings

Press the button on the back of the light to cycle through modes:

Mode 1 (Motion Sensor Mode · Recommended)

Off during daytime; standby at night. Full brightness when motion is detected, auto off in 15–30 seconds after people leave.

Mode 2 (Dim + Motion Sensor Mode)

Off during daytime; dim light at night. Full brightness when motion is detected, returns to dim after people leave.

Mode 3 (Always On Mode)

Off during daytime; full brightness all night. Shortens battery life.

Usage & Maintenance

Waterproof & Environment

Suitable for daily rain, do not immerse in water for long periods.
Avoid extreme heat or corrosive environments.

Maintenance

Regularly check brackets, cables, and connectors for looseness or water ingress.
Do not disassemble the product.

Safety Notes

Do not look directly at bright LEDs to avoid eye injury.
Keep children away from climbing or pulling the light and cables.

Troubleshooting

Symptom	Possible Cause	Solution
Does not turn on at night	Low battery / Panel blocked / Wrong mode	Charge 5–8 hours; Clean panel; Switch to sensor mode
Poor sensitivity	Sensor blocked / Near heat / Low battery	Clean sensor; Relocate away from heat; Recharge
Dim light	Low battery / Low charging efficiency	Recharge; Clean solar panel
Stays on always	Set to always-on mode / Sensor fault	Switch to sensor mode; Check sensor for obstruction

Note: Working time depends on sunlight intensity and usage mode. Shorter runtime on rainy days is normal.