

# Mosquito Trap Placement Guide

## (Optimising Trap Location Based on Mosquito Behavior)

To maximise catch rates, install your GOKDA traps based on the physiological habits of mosquitoes:

**1. Near Water Sources** Install traps near bodies of water, drains, or gutters. Water and damp environments are primary breeding grounds. Deploying traps densely in these areas reduces the mosquito population at the source.

**2. Near Vegetation & Greenery** Plants and shrubs are natural resting places for mosquitoes. Place the trap in or near these green zones to target mosquitoes right where they live.

**3. In Shaded Areas** Mosquitoes prefer cool, shady spots and avoid direct sunlight or dry heat. Placing traps in the shade increases the likelihood of capture.

**4. Avoid Strong Artificial Light** Do not install the trap near strong light sources (like street lamps or bright floodlights). Competing light waves can interfere with the trap's UV lure.

**Note:** Specifically avoid orange lights, as they often have a repellent effect.

**5. Near Corners & Edges** Install traps in garden corners or along perimeter walls. These are typically low-traffic areas for people and pets, ensuring the device works without obstructing daily activities.

**6. Avoid Strong Winds** Avoid installing in "wind tunnels" or drafty corridors. Strong winds make it difficult for mosquitoes to fly or rest, and can blow them away from the trap's suction fan, reducing efficiency. Mosquitos will also not be staying around places near "wind tunnels".

**7. Cross-Coverage Strategy** For larger areas, consider the effective radius of each unit. Positioning traps to create overlapping "cross-fire" coverage is the most efficient and economical way to protect a property.

**8. Perimeter Defense (The "Barrier" Method)** For villas, factories, or hotels, the most effective strategy is a "Perimeter Encirclement." By creating a barrier of traps around the boundary, you block external mosquitoes from entering, effectively protecting the internal environment.

**9. Distance from People** Since GOKDA traps are "offensive" devices that actively attract mosquitoes, **do not** place them directly next to where people sit (like a BBQ table). Place them 5-10 meters away to draw mosquitoes *away* from you, not *towards* you for best experiences.

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## Installation Precautions for Solar Models

Before installing a solar-powered unit (like the X5 or S700), you must assess the sunlight at the location. The device relies on solar radiation; shadows or insufficient light will directly affect performance.

**1. Unobstructed Sunlight** The unit must be installed in an area with sufficient direct sunlight. Avoid placing it under dense tree canopies or building shadows.

**2. Panel Orientation** Ensure the solar panel faces the strongest sunlight. *(Note for Australia: Solar panels should face **True North** to ensure exposure throughout the day without shadows.)*

**3. Peak Sun Hours** If full-day exposure is not possible, ensure the panel is completely unshaded between **9:30 AM and 3:30 PM**, which is the peak charging window.

**4. Mode Settings** We recommend using the "**Light Control Mode**" (Auto-Switch). This allows the unit to charge efficiently during the day and automatically turn on to work at night.

If you have any questions regarding installation, please feel free to contact our service team. Please also attach your floor plan and as many photos as possible. Our mosquito control specialist will prepare a complete solution for you free of charge.

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