

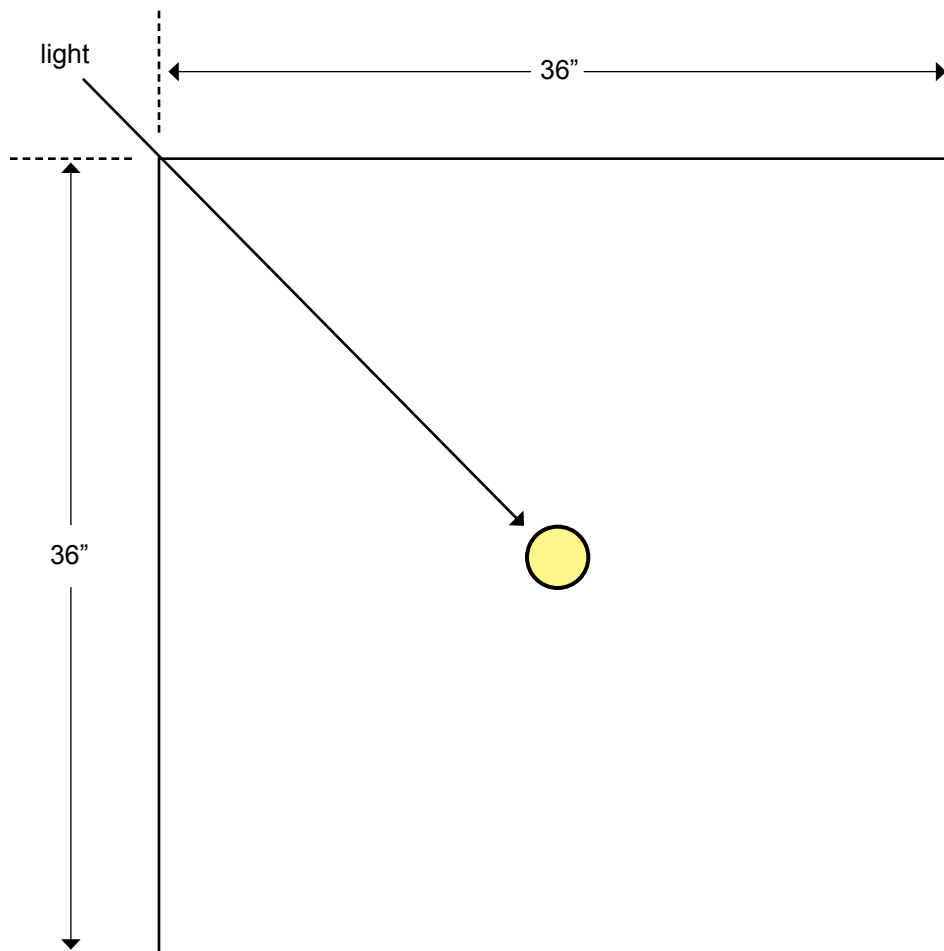
Firefly Bot

Description

Fireflies are attracted to light. Design a mobile robot that can start from a random position, detect a light source, move towards the light source and then stop. Use a Light sensor and a Touch sensor.

Rules

1. The robot will be set in random positions around a light bulb (i.e. facing away from the bulb, at an angle to the bulb.)
2. The robot must first detect the light source.
3. After the robot detects the light source it should turn towards the light and drive forward.
4. The light will be mounted on the table and will have a stop plate one inch high all the way around.
5. The robot should stop when it hits the light.



Warning: Light bulbs are very hot! Limit the amount of time that your hand (and your robot) is near the bulb to prevent any injuries.