User Manual

By walking along the hallway that equipped with sound sensors as well as LED lights, one is allowed to observe its own walking pattern through the change of brightness within the environment.

The brightness in the environment is related to the sound level that produced by whoever stepping on the floor.

Task List

A. Search and purchase desired components. Yinghsuan

B. Program the circuit and build the prototypes. Victor

C. Shoot and edit the video for final presentation. Alfred

D. Administrative work (venue and others).

For consultancy

Three approaches:

1. Sound sensor + small LED + light bulb cover (diffuse the light)
2. Sound sensor + household light + servo control + dimmer
3. Soundsof +light builb

How many sensors can one arduino board supply?

What kind of sound sensor is sensitive enough for an effective range of 1.5m? (3\*10m hallway)