

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).

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

For consultancy

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)

YANKO DESIGN

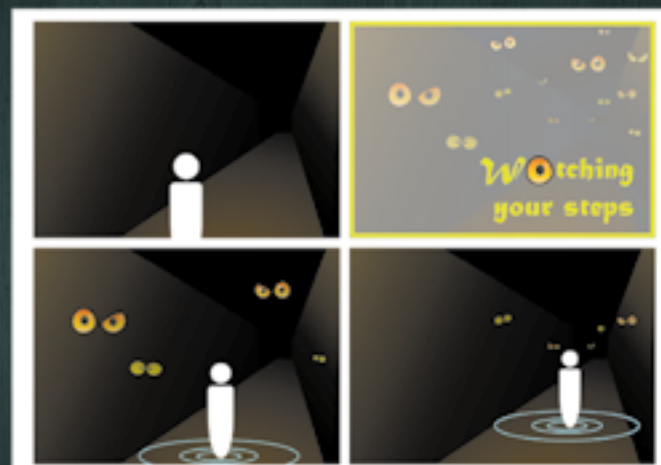
FORM BEYOND FUNCTION

10.05.12
Tony Turner
Categories:
Product Design
Transportation
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Watching Your Steps

Walking behaviour varies from individuals, loud or soft steps. Bats are highly sensitive to sounds. They recognise your steps in dark and watch you along the way. "watching your steps" is an indoor interactive art piece. It detects your presence through sound sensors and lits up the LED eyes.



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 GM

Grove - Sound Sensor



Price: \$4.90 ([Price Feedback](#))
SKU: SEN12945P
Weight: 5Gram
Units in Stock: 25
Designed by: [Seeed Studio](#)
[Other products from designer](#)

Quantity: Max: 25

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Super Bright LED - White 10mm

COM-11118 RoHS✓

Description: Huge 10mm through hole LEDs. Mood-light an entire wall!

Features:

- 3.0-3.4VDC Forward Voltage
- 80mA Forward Current
- 30 degree viewing angle
- 16,000-20,000 MCD output

Documents: [Datasheet](#)

\$1.50

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quantity

● 870 in stock

\$1.50 price

\$1.35 10+ units

\$1.20 100+ units

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