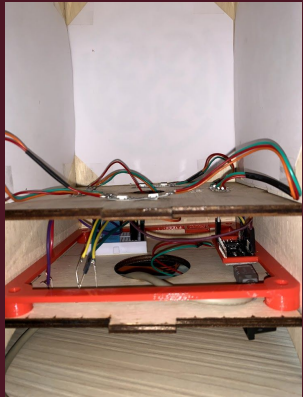
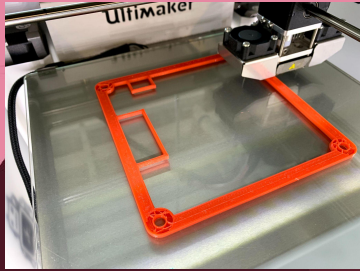


AMBIENT TEMPERATURE MOOD LAMP

GERALD KONG (DME)
EP1000
SEM 1,2021



What's so special?

This Mood Lamp was designed based on a Japanese lantern and it is to create a nice ambient lighting effect for a room. This Mood Lamp has an inbuilt temperature sensor (DHT11) which measures the surrounding temperature, after which, the color of the Mood Lamp will change according to ambient temperature.

- Temperature < 25 (Blue)
- Temperature < 30 (White)
- Temperature > 30 (RED)

3D Printed components

- Arduino Nano holder

Laser cut components

- Main Lantern body

Sensors

- DHT11 Temperature & Humidity Sensor

Lighting

- Adafruit NeoPixels (x8)