

# FOSSY LEDS

Relatively open-source decorative LED light panels

## Target Market

PC gamers  
Mechanical keyboard enthusiasts

## Features

3 in 1 RGB addressable LED  
brightness done w/ PWM

USB Power

Accompanying application to configure

Temp sensor Integration

## Pico Pi Specs

26 GPIO pins

∴ w/ 3 pins per section

8 lights per light unit

(for round 1 prototyping)

Extra features

Temperature Sensor

## Iterative Development Plan

- R1: 8 light unit w/ 1 master Pico  
messy cable system, but minimal  
(prototype)
- R2: make accompanying control application  
+ fleshout light patterns, etc.
- R3: switch to master slave micros  
= more customization, less wires
- R4: PCB optimizations + alternate casing designs.
- R5: Package all + prep for release

## Team Roles

- CAD/Casing
- C Dev
- PCB Designers
- Control Application Devs
- Product Design Lead
- Social Media /Marketing

## Team Members

Anna Shen

Jackson Moffet

## Product Sketch

