Design Review

Questions and Comments

Group 2 reviewing Group 17

Questions:

1. If you are using RGB lights, how are you planning on displaying different colors, or will it only be showing the one color? If the colors are interactive or selectable will there be an interface for the end user to control it?
2. Will your enclosure just be the light panel that will be put on top of an existing table, or is it going to be an integrated design that is a tabletop as your enclosure design seems to be thick which could be an issue if you are planning on making it something that goes on top of an existing desk?
3. For the power supply is it going to be an imbedded battery or will it use a wall power connection. You also mentioned that the brightness of the LEDs is adjustable, will it be based on the constraints of your materials, or do you plan on making it something the end user can adjust?

Comments:

You mentioned using a microcontroller to control your LEDs. If you're considering Arduino, I recommend checking out FastLED, a library I've used with a similar product (WS2811) for a personal project. It's user-friendly and efficient. One thing to note is that with certain LEDs, predefined colors may appear inverted. For instance, programming output as "Color: Red" might display green, or vice versa, due to the RGB color sequence being reversed (RGB ↔ GBR). Even if you're not using Arduino and are programming an AVR or PIC, FastLED can still serve as a valuable reference. Check it out at https://fastled.io/.