

Meeting: 5

Date: 2/2/23

Attendance:

- Thomas McCoy, Garth Anderson, Malvin Lim, Matthew Rief, Moneim Ismail

Main Discussion:

- Discussed LED options, could us RGBW to only have to rotate between LED and photo-detector
- Need to be able to control light intensity and wavelength (how pure)
- Power supply changes by Malvin
- If we want to use just 1 psu, use a heatsink.
- two lines should have independent ground
- recommends using two different power supplies
- just split +5v, -15v, +15v
- (complex discussion over Malvin's design that went a bit over my head -Thomas).
- moved to box design - Matt started 3D print - came out warped, started another batch - should finish tomorrow
- Mo will review design and share ideas.
- take out LCD display, keep connections.

To-Do:

Malvin:

- Mo, want's updated design for PCB asap on iowa state box. (Monday)
- Holder for DUT
- Cables (in room 215)
- Look at code.

Garth:

- Same as Malvin

Thomas:

- continue reviewing LabView programs - working with arduino.

Matt:

- continue box design

Next Meeting:

- Date: 2/9/23, Time: 4:15pm, Location: MRC