**MoodLamp**

A floor lamp with the following features:

* RGB color
* Addressable patterns
* Music visualization
* App control
* IR remote control

***Goals***

* Firmware
* PCB controller
* Flutter app

***Design Guidelines***

* PCB should fit on an aluminum channel of 2.5 cm max width.
* Should be screwed to the channel using two M2 screws.
* Max height of PCB components is 2.5 cm.