# Motivation

To fulfill a contract committed to creating a home lighting system.

# Requirements

## Prototype

* Tap-on/off capability
* Ability to connect with other units and base
* Each face supports variation in brightness
* Detection of present orientation/change in orientation

## Consumer Product

### Base Unit

* Tap-on/off capability
* Ability to connect with other units and base
* Each face supports variation in brightness
* Communication with hub and other units

### Pro Unit

* Tap-on/off capability
* Ability to connect with other units and base
* Each face supports variation in brightness
* Detection of present orientation/change in orientation
* Communication with hub and other units
* Ability to charge once connected to the hub

### Hub

* Communication with units
* Ability to charge pro units