**Requirements**

**High Level Requirements**

* Lamp must turn ON when ambient light is below threshold
* Lamp must turn OFF when ambient light is above threshold
* Electronics circuit must not heat too much
* Battery life must be long
* Maintenance must be minimum
* System must be functional regardless of weather conditions

**Low Level Requirements**

* Cells used must be similar
* Amplifier's operating voltage must be within supply voltage range
* Above threshold ambient light must result in a HIGH signal from amplifier
* Below threshold ambient light must result in a LOW signal from amplifier
* HIGH signal from amplifier must turn ON the relay
* LOW signal from amplifier must turn OFF the relay