# Light Alarm project Specification

**Project Description**

Clock with 24 LEDs, 12 per a circle. One circle will indicate hours, another minutes. The clock will be connected to via wifi network. Alarm will be set via android app. The clock will emit more light as the alarm time is getting closer. This will help the user to wake up better since more light will be present in the room before waking up (using regular alarm clock).

**Features**

Showing time in different colors and modes

Light alarm clock

Setting a password to local wifi network is done by accessing device’s wifi hotspot after reset.

Powered by USB connector (MicroUSB or USB-C)

Power requirement 5V/2A max

Accelerometer for tap funtions

Core is ESP8266, optional placement of ESP32