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AUTOMATICALLY FINE ADJUST LIGHT LUX FOR SMART OFFICE/HOME FROM LAPTOP WITH LIGHT SENSOR THROUGH IoT

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Automatically fine adjust light lux for smart Office/Home from laptop with light sensor through IoT

Abstract

This disclosure proposes a new method to build smart office and smart home with IoT (Internet of Things) to reduce power consumption and suitable light lux environment by preference.

Problems Solved

Current laptops combine ambient light sensor and camera sensor to know user stay front of laptop and adjust backlight of laptop through light sensor, but user can't adjust their preference light lux of office/home by their preference.

We propose to pair IoT gateway and control light lux by laptop and it can automatically turn low lux by our preference if we leave away from laptop or room/cubic from camera sensor detection and it can turn light low lux to reduce power consumption.

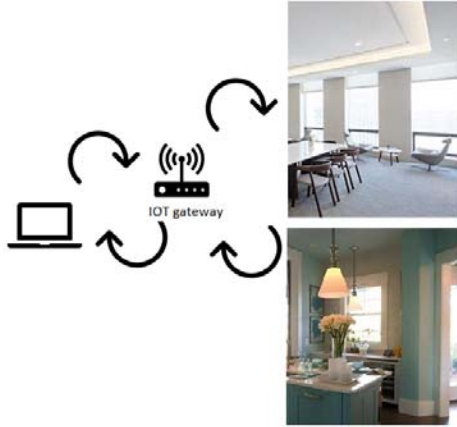
Prior Solutions

Adjust light lux through phone or tablet alone by single way and doesn't combine laptop sensor function and preference profile.

Description

The central concept is to build smart home/office central control from laptop, since laptop is powerful device with lots of sensor.

- 1. Automatically adjust light to high lux by laptop light sensor when user go into office/home to wakeup laptop from WoV (Wake on voice) or power button.**
- 2. When user is using laptop, he can adjust preference light lux by laptop application or adjust light lux automatically by preference profile.**
- 3. Automatically adjust light to low lux when user leave room/office to reduce power consumption**
- 4. Automatically adjust light to low lux when user is sleeping on desk by camera sensor detection or laptop lock screen to improve the better environment and reduce power consumption.**



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