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## THE ADVANCED NOTEBOOK APPLICATION FOR NIGHT LIGHTING THROUGH SYSTEM LED CONTROL METHOD

HP INC

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# **The Advanced Notebook application for night lighting through System LED control method**

## **Abstract**

This invention provides the mechanism for night lighting through system LED control method to advance Notebook application.

It will make the different user experience and simplify OS environment (ex. OMEN command center).

In further applications, it can be applied as the emergency lighting, when it been power outage environment.

## **Description**

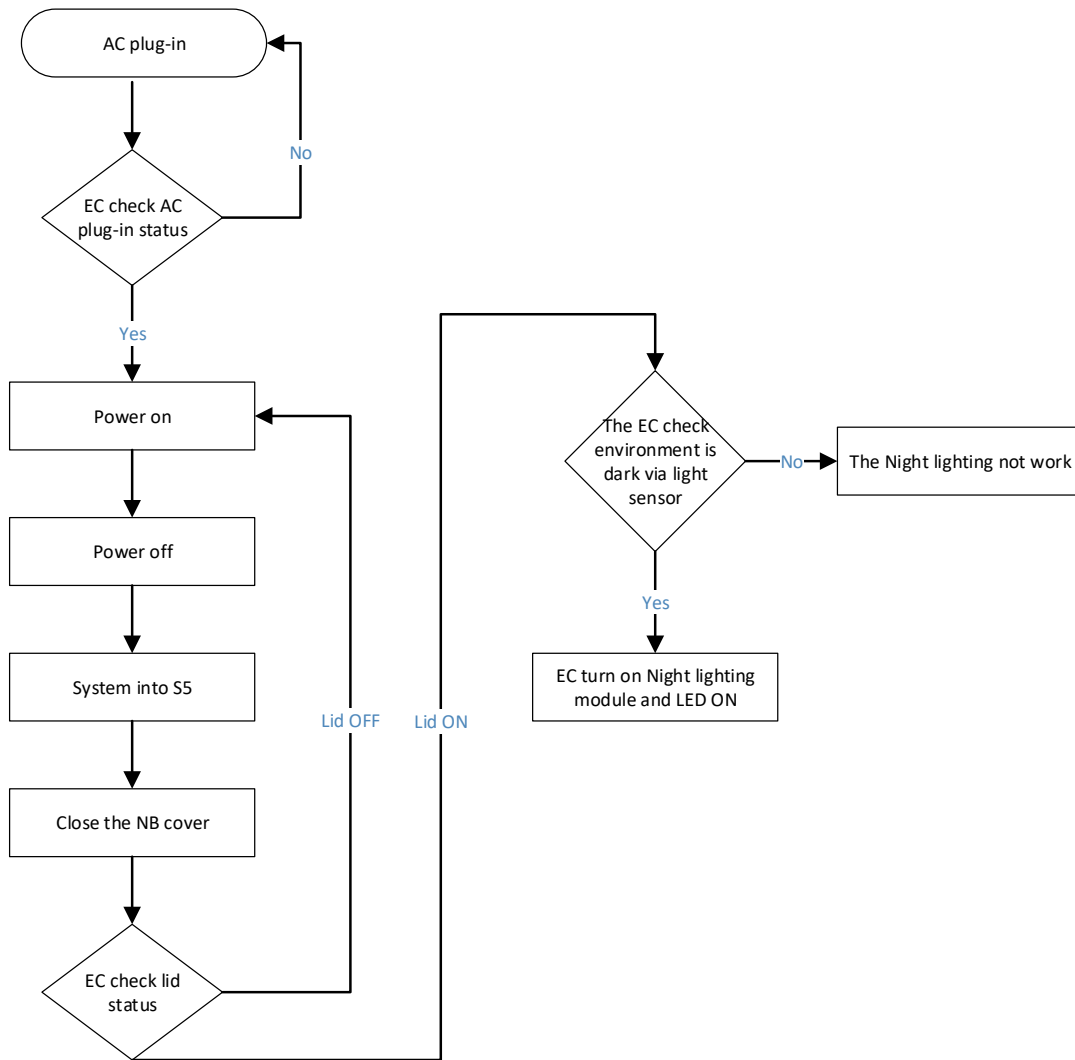
1. The system normal behavior is into S5 and close Notebook in dark environment, Notebook will not do anything. This invention provides the mechanism for night lighting through system LED control method to advance Notebook application. It can provide user for night lighting usage and reduce another night lighting to use.
2. For emergency application, the PC system's EC (embedded controller) detect the AC power outage, EC can turn it lighting on by battery DC supply.

## **Advantages**

1. New application for Notebook
2. To provide user reduce to use night lighting.
3. For emergency lighting application

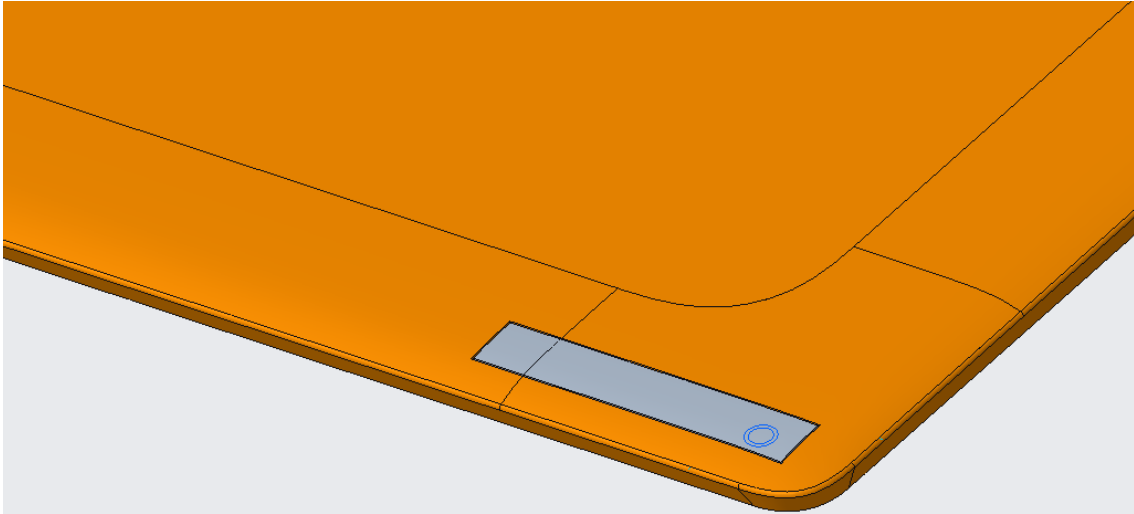
## Flowchart

- Night lighting control method.

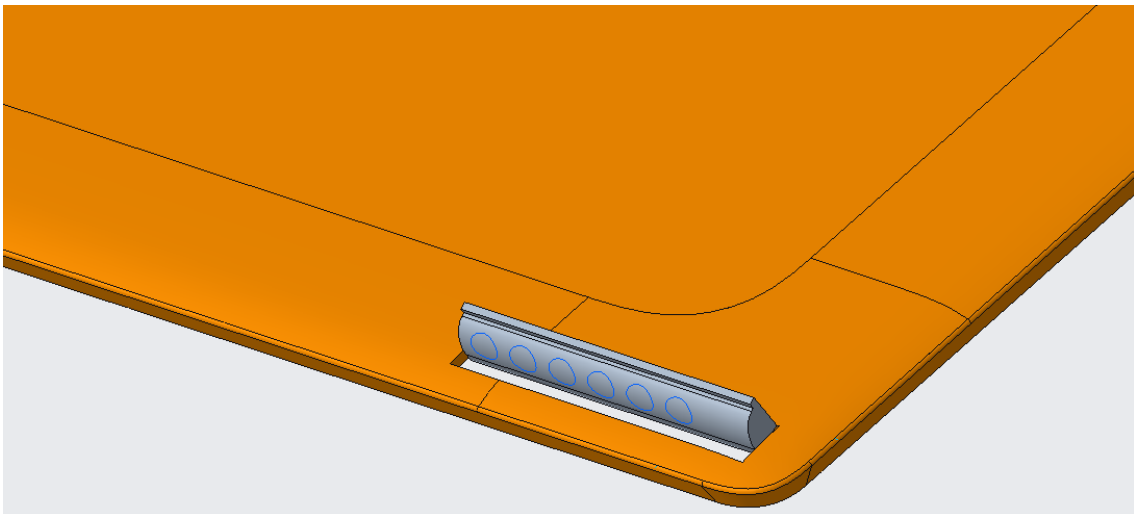


## **Mechanical Structure**

1. Night lighting module OFF

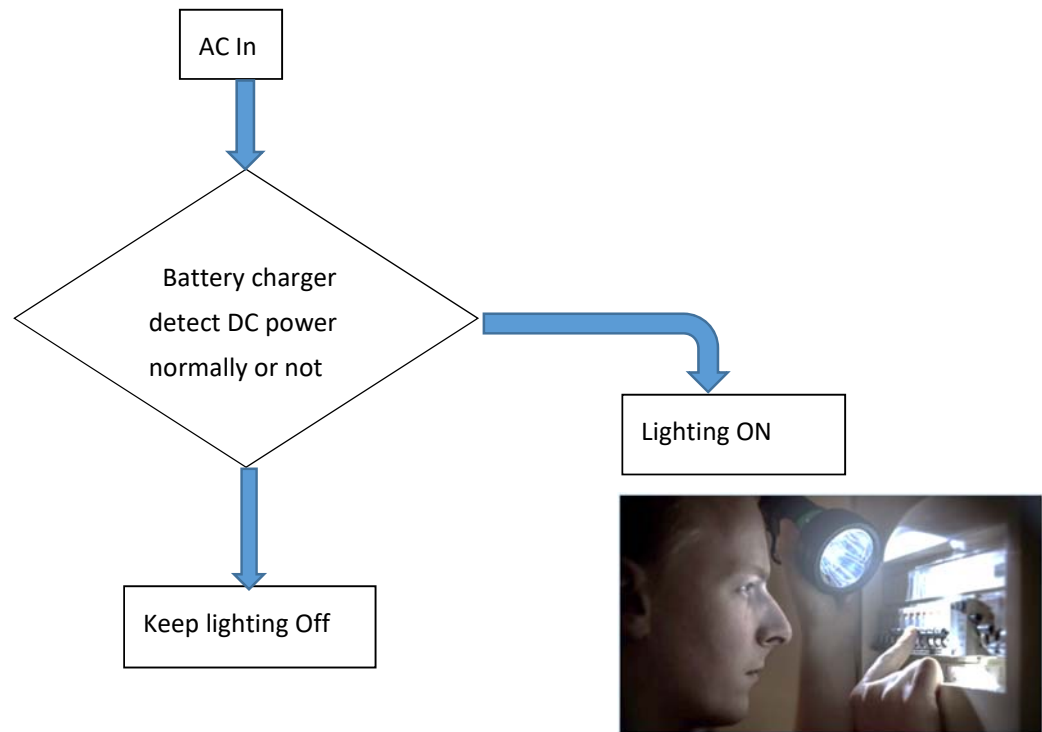


2. Night lighting module ON.



## **Emergency Application**

The application of emergency lighting, Firmware and software workflow as below.



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