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PROJECT LIGHT DESIGN

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Abstract

When people join a meeting in a room, the presenter shares his screen to the projector. Sometimes the presenter is not just one-person, other people also need to share their screen to the projector.

In this case, the people in the meeting have a chance to not know whose laptop connects to the projector. It will cause someone to ask who is connecting to the projector now?

Our design is to build a “project light” on the laptop. If the users start to “slide show” or “project” on their laptop, the project light will ON to tell everyone that I’m projecting my screen now.

Problems Solved

In a meeting, it should have a discussion time to let people discuss, share their opinion and convince other people. At this moment, someone might want to share his screen to the projector. If the discussion is very intense, the projector is also be projected with not only one person.

In the above condition, people in the meeting have a chance to not know whose laptop connects to the projector. It will cause someone to ask who is connecting to the projector now? The project light can easily show who is the presenter now, that is the problem we solved.
So far, no laptop has project light to show the user is projecting.

**Product Drawing:**

Our solution needs HW+SW to achieve the project light, below is show the HW we needed.

![Project light circuit block diagram](image)

We suggest putting the LED bar on C-D cover corner

For the SW portion, it needs OS driver support to inform the embedded controller to switch on the project light LED.

![OS level driver](image)
Advantages

The “project light” is a good commercial feature to enhance user experience and HP brand innovation ability.

It can sort out the problem that people doesn’t know who the presenter in the meeting is, and the LED might also produce lots of application, such like breath in MSC mode, twinkling when skype call coming.

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