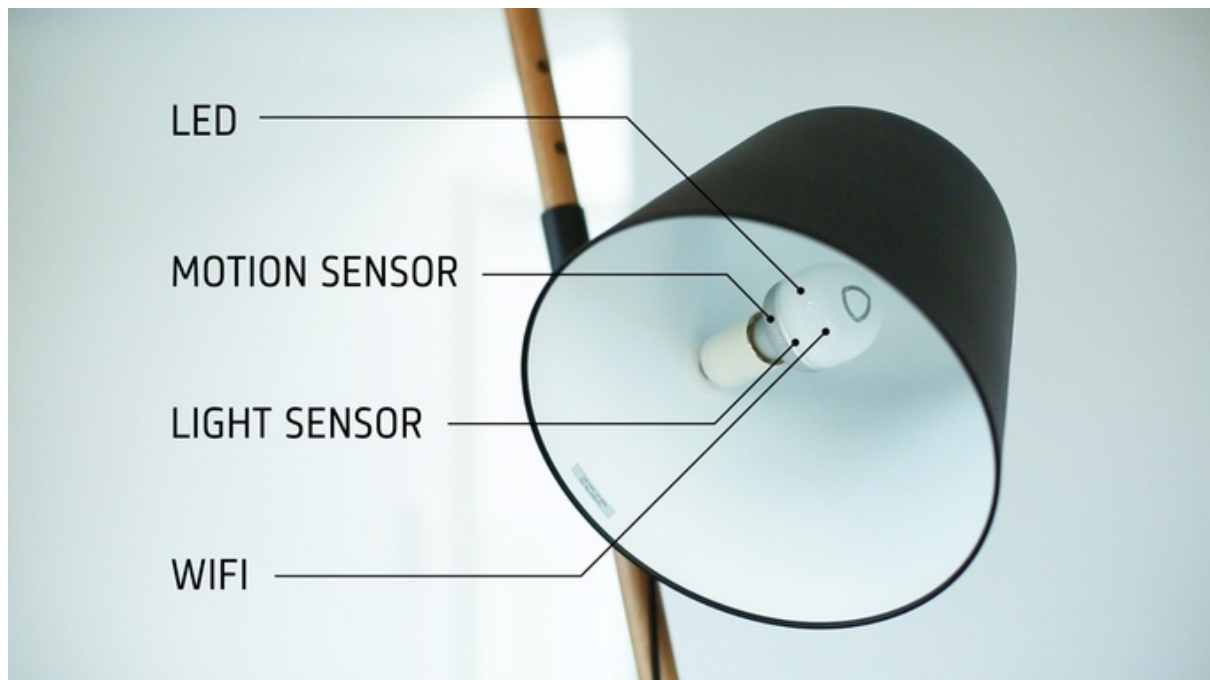


## IoT Product Vignette – ComfyLight

ComfyLight is a smart LED bulb solution that provides a lightweight security system by adding IoT technologies such as sensors, connectivity, a backend server and an application.

### **Layers:**



#### **Physical Component:**

LED light bulb, the physical element forms the first layer of the value-creation model. It supplies light, the first direct, physical benefit to the user.

#### **Smart Component:**

Physical element equipped with a minicomputer with sensor technology and actuating elements forms the second layer. The motion sensor continuously measures whether people are present in the space. The actuator turns the light on automatically when human presence is detected and off again when not.

#### **Connectivity Component:**

The embedded Wi-Fi module forms the layer 3, with which the sensor technology and actuator elements are connected to the Internet and start transmitting the data to authorized subscribers anywhere in the world through applications.

## Capabilities



- **Monitor:** When the user switch on the 'Safety-mode' in the app, he can remotely monitor the house. In the event of an unwelcome intruder at the doorsteps, the solution will sounds an alarm to the owner.
- **Control:** When an intruder breaks into the house, along with sounding an alarm to the owner, it also attempts to drive the burglar out with a flashing lights and thereby alerting the neighbours too.
- **Optimize:** Operating hours of individual light bulbs and house as a whole are recorded which can be used for optimized power usage.
- **Automate:** Lighting of the house is automated completely with the smart LED bulb solution. It can detect the presence and switch on the light without any human intervention.