



The next step in my process was to create the model and try to make a working model. Shown above is all the parts that make this product up. The product would be able to still work with normal junction boxes and plugs. With the product already hooked up to the electrical outlet, it is able to be automatically triggered in the event of a power outage. This will allow for people to have a safe passage out of the building in a power outage as well. In the event of a fire, there is two different ways that this product would be triggered to come on. For new construction, the product would be wired directly into the fire system so that when an alarm is pulled or a smoke detector goes off the product will be immediatly turned on. Since most smoke detectors are hard wired in now, this makes it easy to tie into this wiring. For older buildings that need to be updated with this product, Illumine will house a wireless sensor (Zigbee) and one will be installed on the current fire alarm system so that if the alarm system is triggered, the units will automatically come on.

