Requirements Specification:

A rotating LED display wand that can display pictures or words sent to it using a microcontroller. It will also run on a battery that can be easily obtained, like a AA battery, for about an hour while running. The product will be heavy enough that it won't fall over while spinning but light enough to be easily transported. Along the lines of being easily transportable, the product needs to be easy to assemble and disassemble. The product needs to be safe, so it needs to have a way from protecting the user from hurting themselves while trying to operate it, like a case around the spinning light, or a failsafe attached to the motor itself. The words being displayed need to be visible to people who are driving by at high speeds. So it needs to be big enough to see from a distance while still maintaining its ease of transportation.