Arduino Based 4x4x4 LED Audio Visualizer

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**Parts/ Materials:**

1. [64 Diffused LEDs](http://www.ebay.com/itm/100pcs-5mm-Green-lens-Diffused-Round-LED-light-lamp-Diffused-Ultra-Bright-1019-/290960896199?pt=LH_DefaultDomain_0&hash=item43be9ef0c7)
2. [64 100 OHM Resistors](http://www.ebay.com/itm/5-x-Resistors-100-OHM-1W-5-Carbon-Film-Pb-Free-FREE-SHIPPING-/201068855834?pt=LH_DefaultDomain_0&hash=item2ed0a3421a)
3. [Wire](http://www.ebay.com/itm/Male-Female-40P-Cable-20CM-Jumper-Wire-Ribbon-For-Arduino-Breadboard-DZ88-/371093187152?pt=LH_DefaultDomain_0&hash=item5666e0aa50)
4. [Craft Wire](http://www.amazon.com/Gauge-Half-Round-Nickel-Silver/dp/B007FTTBS6/ref=sr_1_52?s=arts-crafts&ie=UTF8&qid=1404259854&sr=1-52&keywords=20+gauge+craft+wire)
5. Breadboard

**Tools:**

* Arduino
* Drill
* 1/16" Drill Bit
* 5/16" Drill Bit
* Knife
* Straight Edge
* Needle Nose Pliers
* Soldering Iron
* Solder
* Hot Glue Gun













