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*LED vs. Standard Flashlight*

To start the flashlight comparison project all the needed items to perform the experiment were gathered from local stores: a standard flashlight and three C size brands of batteries. This project will compare the longevity of the two types of flashlights in two different temperatures, room temperature and refrigerator temperature, with different brands of batteries to test. First, the temperatures were measured in each environment. Then the same brand of battery was placed into both flashlights and they were tested in each temperature. This same procedure was followed for each brand of battery. The beginning and end time was taken to see how long the different flashlights lasted with each of the different batteries in cost savings in which the better flashlight has versus the other. Both the flashlights lasted longer in the room temperature than they did in the colder temperature. The documented times were compared and graphed to see which flashlight lasted longer with the different batteries in each temperature. The LED flashlight is by far a better flashlight to purchase. With every brand of battery and in both temperatures the LED outlasted the normal flashlight by at least 6 times. Even if you like to buy a cheaper off brand battery you would still get a lot more out of your money by purchasing the LED flashlight.