

Paper Flashlight

Vendor and Materials Price List for Paper Flashlight project

Amazon

- Graphite pencils - \$7.97
 - https://www.amazon.com/Pasler-Professional-Graphic-Sketching-Drawing/dp/B075JJPBBM/ref=sr_1_11_sspa?ie=UTF8&qid=1534286528&sr=8-11-spons&keywords=graphite+pencils&psc=1
- Letter-sized paper, assorted colors - \$13.99
 - https://www.amazon.com/Astrobrights-91414-Color-Paper/dp/B000FNHS7U/ref=sr_1_1_sspa?ie=UTF8&qid=1534286840&sr=8-1-spons&keywords=color+paper&psc=1
- 9 Volt batteries - \$18.83
 - https://www.amazon.com/Duracell-Procell-Volt-Batteries-Pack/dp/B002UGVWA4/ref=sr_1_3_a_it?ie=UTF8&qid=1534286865&sr=8-3&keywords=9%2Bvolt%2Bbattery&th=1
- Alligator leads - \$6.57
 - https://www.amazon.com/WGGE-WG-026-Pieces-Colors-Alligator/dp/B06XX25HFX/ref=sr_1_3?ie=UTF8&qid=1534287403&sr=8-3&keywords=alligator+leads

Sparkfun

- LED, super bright - \$0.95
 - <https://www.sparkfun.com/products/531>

Tips and Tricks

When making the graphite lines, don't hold back. The thicker the lines, the better

Super bright LEDs are nice for this project because of how much more light the LEDs give off than the standard ones.

To test everything before rolling up paper, rest the battery and LED on top the graphite lines.

This is the only craft that comes with an important safety warning:

“WHEN USING LEADS AND BATTERIES, ALWAYS MAKE SURE YOU ARE MATCHING CONNECTIONS.

THE POSITIVE LINE MUST CONNECT TO THE POSITIVE BATTERY PLUG AND THE NEGATIVE LINE MUST CONNECT TO THE NEGATIVE BATTERY PLUG.

Mixing the lines can cause the battery to overheat. If this happens, disconnect the leads IMMEDIATELY and set the battery aside.”