



## Luminara stand with hole for cord

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### Summary

A simple stand to lift up a Luminara 3.5" (90mm) candle to allow you to hack it to take a cord

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This is a base that allows you to hack a Luminara 3.5" candle to have a power cord. You no longer have to buy D cell batteries every so often, which makes it a lot easier to use the candles.

I'm not going to cover the process of kludging a power cord onto the candle. I disassembled mine and tacked a little power lead onto it, which then plugs into a protoboard with two 1N4004 diodes and a USB cord. This converts the candle to USB, but is a bit fiddly and hacky.

If you're going to try and do this yourself, note that the screws on the bottom seem to be pozi #1, not phillips screws. I nearly stripped the head on the first one trying to get it out with a jeweler's driver. Also, those two tiny little screws are the only thing holding the assembly together: once you remove the screws, a little bit of prising will pop the bottom loose, but you really want to set the candle on its base and gently nudge the "flame" assembly down while lifting the wax outside up. Things **will come out in pieces**, at least they did on mine. Be very gentle, and it should be fine.

I'd also recommend wrapping the candle in a clean piece of printer paper before starting work. Otherwise, you can get random crap off your bench embedded in the wax, which would be a bummer.

## Model files



### **luminara\_stand.fcstd**

❏ FreeCAD original file, includes a crappy model of the candle



### **luminara\_stand.stl**

❏ The actual stand itself

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