



Lithophane Box (battery-powered)



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Summary

a simple lithophane box with a 5V LED background light strip, powered by 3x1,5V batteries

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This box is divided into 4 parts: the lithophane itself, the main body, the top and the cover for the battery compartment. Only the main body must be printed with supports.

For the light I bought a COB LED lightstrip from Amazon. It is 5V and very bright. To power this LED I used 3x1,5V batteries, which are placed in a battery compartment. The wires can go through a hole and be connected to the LED and the switch. The switch is glued in the depression in the wall of the main body. The cover for the battery compartment is held in place with a screw.

Things I bought from Amazon:

LED lightstrip: https://www.amazon.de/gp/product/B0BLZ7WST4/ref=ppx_yo_dt_b_asin_title_o01_s00?ie=UTF8&psc=1

Battery compartment: https://www.amazon.de/gp/product/B08X77PHB9/ref=ppx_yo_dt_b_asin_title_o02_s00?ie=UTF8&psc=1

Switch: https://www.amazon.de/gp/product/B09XWHSD2/ref=ppx_yo_dt_b_asin_title_o03_s00?ie=UTF8&psc=1

Model files



lithophane.obj



main_body.stl



main_body.obj



top.stl



top.obj



cover.stl



cover.obj

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