



Lithophane Holder with LED Cob Strip



Sixpack99

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Summary

Simple stand for your Lithophane pictures

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Simply place your lithophane panels into the front slot and this stand will hold them upright for you. The stand has a place to mount a 60 to 80mm piece of LED strip to illuminate the lithophane for you without expensive light bulbs.

I recommend getting a roll of 5v LED Cob strip such as this on Amazon: https://www.amazon.com/gp/product/B08X1G8VSZ/ref=ppx_yo_dt_b_search_asin_title?ie=UTF8&th=1

Although the new roll of LED strip comes with one USB cable already connected, you will need another approach for subsequent strips. So I used an old USB cable that I cut the end off of, stripped it back about an inch, and soldered the red wire to + and black wire to - using a little tiny spec of flux to help it adhere to the LED strip terminals. Took maybe 5 minutes.

For the lithophane panels, here are the settings I used at <https://lithophanemaker.com/Framed%20Lithophane.html#processing>

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Lithophane Resolution (mm/pixel):

0.2

Width (mm):

115

Height (mm):

145

Depth (mm):

4.4

Base Height (mm):

3

Overhang Angle (deg):

60

Maximum Thickness (mm):

4.4

Minimum Thickness (mm):

For printing the lithophanes, I suggest the following slicer settings:

- 0.4 nozzle or maybe even a 0.2 nozzle for higher detail. The example picture shows the results with a 0.4
- 0.2 first layer height, then 0.1 layer height for the remainder
- 100% infill
- 3 top and bottom solid layers
- 3 walls

For printing the Lithophane Holder, I suggest these settings:

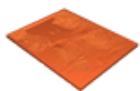
- 0.4 nozzle
- 0.2 layer height
- 15% Gyroid infill
- 3 top & bottom layers
- 3 walls

I would love to see your makes! And if you have any questions or comments, please @ me and I will be glad to help out.

Model files



lithophane-holder.stl



lithophane-scenic-lake.stl

☐ Example lithophane

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