



Custom Lithophane Christmas Tree Ornament



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Summary

Double sided lithophane Christmas tree ornament!

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Update 12/2/23

- Updated the anchor model with tighter tolerances. Results may vary depending on printer so scale as needed.
- Added a blank Lithophane that can be used instead of a second image if you don't want the ornament to be double sided! Can be printed flat.

This is a very simple double sided Lithophane ornament using one of the lights from your tree! The ornament spins easily and there is a spot for a picture on both sides. Or you can leave the back open/print a blank Lithophane if you only want one image.

Print Settings

Ornament/Anchor

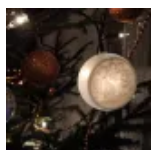
- I printed these at .2 layer height
- The bottom half of the ornament may need a tiny bit of support as there's an overhang where the Lithophane sits. It's less than a gram of filament but you may be able to get away without it depending on your printer.
- The top half of the ornament will print perfectly without supports.
- Once printed, just put one of the lights from your tree through the hole and then secure it with the anchor.

Lithophane

- The Lithophane's can be created here <https://lithophanemaker.com/Lithophane%20Tag.html>
- Upload an image and generate the Lithophane using the settings below
- The Lithophane must be printed vertically on its edge as shown in the model images.
- Any lighter colored filament should work but white will work best. I used normal white PLA
- I printed mine at .15 layer height, 100% infill, 4 walls, and a wall speed of about 30mm/s with a large brim to help with adhesion. You can go even lower and slower for better quality/adhesion.
- If you're having issues with adhesion you can also add a bit of support.
- Once printed, they should press fit right into the ornament. If they are a bit loose just add some glue.

Settings for creating the Lithophane

This remix is based on



Christmas ornament with photo

by RostaP

Model files



ornament-v2.stl



anchor-v2.stl



blank-lithophane.stl

☐ Blank Lithophane. Can be used instead of a second image. Print flat.

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