



Lithophane Tutorial



XYZ Space

[VIEW IN BROWSER](#)

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Summary

A piece of art with tutorial on how to make your own!



3.00 hrs



1 pcs



0.12 mm



0.60 mm



PLA



21 g



Creality
Ender 3

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Tags: [picture](#) [lithophane](#) [rickroll](#) [nevergonnagiveyouup](#)

Easy to print picture that shows surprise under light!

Printing instructions - use white filament!

- Use either 100% infill or many walls/perimeters
- Recommended layer height is 0.12 however if you want the most detailed print, go lower. Maximum layer height in my opinion is 0.2
- Use **BRIM** and print in given position
- No supports

In case you want to do your own lithophanes, here is how I did it

1. **Find suitable picture** - good contrast; usually simpler picture prints better than one with lots of details
2. optional - **use photoshop** or any editing software (like the one in your phone gallery) and boost contrast, play with vibrance, saturation and sharpness.



3. Upload your image to **3dp.rocks** - on top click "Images" and upload yours then move to "Model" where you choose the type (curved, flat..) and hit **refresh**.
4. All there is left to do is change "Settings" - I use the one below this paragraph. The most important is "Maximum size (MM)", that changes the model size. After any change you need to click **REFRESH** in the model settings.

The image shows a 3D printing settings interface with various sliders and dropdown menus. The settings are organized into two main sections, each with a 'Settings' dropdown and a 'Patreon' link. The first section includes sliders for 'Maximum Size (MM)' (set to 100), 'Thickness (MM)' (set to 3), 'Border (MM)' (set to 0), 'Thinnest Layer (MM)' (set to 0.6), 'Vectors Per Pixel' (set to 4), 'Base/Stand Depth' (set to 0), and 'Curve' (set to 0). The second section includes sliders for 'Positive Image' (set to 'Negative Image'), 'Mirror Image Off' (set to 'Mirror Image On'), 'Flip Image Off' (set to 'Flip Image On'), 'Manual Refresh' (set to 'Refresh on Image Click'), 'Repeat X Count' (set to 1), 'Repeat Y Count' (set to 1), 'Mirror Repeat Off' (set to 'Mirror Repeat On'), and 'Flip Repeat Off' (set to 'Flip Repeat On').

Maximum Size (MM)

Thickness (MM)

Border (MM)

Thinnest Layer (MM)

Vectors Per Pixel

Base/Stand Depth

Curve

Positive Image

Mirror Image Off

Flip Image Off

Manual Refresh

Repeat X Count

Repeat Y Count

Mirror Repeat Off

Flip Repeat Off

5. Download your STL file and put it into slicer

6. **Enjoy!**

Note: This is not the final version of this page, I will keep updating it - mainly to make it better looking and readable. If you do not

understand something, please ask in comments so I can update it :)

In case you have any requests, feel free to send me a message and I will try to help you out!

Model files



rickroll-picture.stl

☐ Check printing instruction!

Print files



gcode-file-do-not-use.gcode

🌀 PLA 🌀 0.60 mm ≡ 0.12 mm ⌚ 3.00 hrs ⚖️ 21 g

☐ Download stl file below and slice it yourself - each printer is different!

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