



Fancy Lithophane Frame



DaHouzKat

[VIEW IN BROWSER](#)

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Summary

Fancy Backlit Lithophane Frame



6.37 hrs



5 pcs



0.20 mm
0.10 mm



0.40 mm



PLA



56 g



Prusa MINI /
MINI+

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Tags: [frame](#) [picture](#) [backlit](#) [lithophane](#) [halvklart](#)

Remix of my IKEA Halvklart lithophane picture frame

- New back design
 - Added more stars
 - New button

What you need

- Printed parts (frame, cover, button)
- [IKEA Halvklart USB LED spotlight](#)
 - Don't forget to look at the remixes that use different light source

- 100x100 mm lithophane or picture

How to print your own lithophane

Also, look under the section "Photos and lithophane"

- From 2D to 3D. How to turn a picture or a photo into a 3d model

In summary

- Go to <http://3dp.rocks/lithophane>
 - In **Images**
 - Select or Drag and Drop your picture
 - In **Settings / Model**
 - Set Maximum Size to 100 mm
 - Set Thinnest Layer to 0.4 mm
 - Set Thickness to 2.4 mm
 - Set Border to 2.4 mm
 - In **Settings / Image**
 - Set to **Positive Image**
 - In **Model**
 - Refresh and Download

Print instructions

- It is a tight fit, make sure your printer is well calibrated
- All the parts are already oriented in the good position
- Print the parts in PLA or PETG
 - Nozzle diameter: 0.4 mm
 - Frame (frame, cover and button)
 - Layer height: 0.2 mm
 - Perimeters: 3
 - Supports: None
 - Brim: Maybe...
 - Lithophane
 - Layer height: 0.1 mm
 - Perimeters: 1
 - Solid layers Top: 1
 - Solid layers Bottom: 1
 - Infill: 95% Rectilinear
 - Color: White

Assembly

- Insert the Halvkalrt LED spotlight on the back of the frame
- Stick the button on the back of the Halvklart LED Spotlight
- Place the lithophane picture on top of the frame
- Snap the cover on top of the lithophane

This remix is based on



Halvklart lithophane frame

by DaHouzKat

Model files



Fancy Frame

3 files



fancy_lithophane_frame.3mf



fancy_lithophane_cover.3mf



fancy_lithophane_button.3mf



Plain Frame

1 file

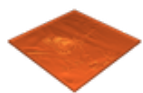


plain_lithophane_frame.3mf



Sample Lithophane

1 file



butterfly.3mf

Print files



Fancy Frame

3 files



fancy_lithophane_frame_02mm_pla_mini_4h31m.gcode

PLA 0.40 mm 0.20 mm 4.51 hrs 36 g Prusa MINI / MINI+



fancy_lithophane_cover_02mm_pla_mini_1h27m.gcode

PLA 0.40 mm 0.20 mm 1.44 hrs 16 g Prusa MINI / MINI+



fancy_lithophane_button_02mm_pla_mini_25m.gcode

PLA 0.40 mm 0.20 mm 0.42 hrs 4 g Prusa MINI / MINI+



Plain Frame

1 file



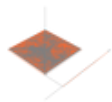
plain_lithophane_frame_02mm_pla_mini_3h32m.gcode

PLA 0.40 mm 0.20 mm 3.54 hrs 37 g Prusa MINI / MINI+



Sample Lithophane

1 file



butterfly_01mm_pla_mini_2h35m.gcode

PLA 0.40 mm 0.10 mm 2.58 hrs 16 g Prusa MINI / MINI+

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