



## DIY Invisibility Sheets! (Lenticular film)



Joshua's Oddities

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### Summary

I randomly discovered you can print a pretty good Lenticular film using regular clear PLA and a certain slicing method.



4.80 hrs



1 pcs



0.30 mm



0.40 mm



PLA



67 g



Prusa  
MK3/S/S+

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Tags: [clear](#) [invisible](#) [lenticular](#) [light](#) [invisibility](#)



## Hi all!

I was able to manage getting my MK3S to print decently sized lenticular film. The basic premise is to get as flat a vase mode as you can with clear PLA. You may have to play with it to get it to play nice, as flat vase mode tends to warp quite a lot.

There are a lot of strengths and weaknesses with this type of lenticular film, but I would encourage anyone to play with it. Bending light is fun!

**This all started with printing a simple clear funnel so I can see the paint in the funnel before I pour an acrylic painting. Lol..**

Included is a sliced file of the settings that ended up working for me. The one in the GIF used these settings. Please share far

and wide, experiment, lets bend light together and create a whole new niche of 3D printing!

### Notes:

- MUST USE CLEAR PLA, can be slightly pigmented, but translucent.
- This model is designed to be cut after its printed. Each print yields two sheets, or one sheet and one backup sheet as I like to put it.
- Generally 215C worked well for me. You will want to make sure you are using fresh filament or try to dehydrate it to avoid bubbles, as those will ruin the effect. Cooling fans should be 100% to avoid warping and go SLOW!!
- The effect works best with a striped background. Color doesn't seem to matter as much as light/dark and if anything shiny is behind it.. It also works good with wood or even a flat color. Not so great against a busy background though.
- I am not a scientist, I never went to higher education, don't ask me questions about why or how. Thanks, kisses, enjoy!

## Model files



invisibility-v1.stl

## Print files



invisibility-v1\_03mm\_pla\_mk3s\_4h48m.gcode

🌀 PLA 📏 0.40 mm 📐 0.30 mm ⌚ 4.80 hrs ⚖️ 67 g 🖨️ Prusa MK3/S/S+

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