



IKEA Sinnerling Lamp shade replacement

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Summary

This is a replacement shade in two parts for IKEA's Sinnerling lamp. The lamps have a cork base with a large, fairly...

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This is a replacement shade in two parts for IKEA's Sinnerling lamp. The lamps have a cork base with a large, fairly heavy, frosted glass shade that sits over the cork base.

I bought 2 Sinnerling lamps from Ikea and had them delivered to my house. Unfortunately, I had a lot of problems receiving the lamps unbroken. I tried ordering the lamps several times, but was only successful in receiving one unbroken lamp. IKEA was very good about getting me refunds and re-ordering the lamps. On the final delivery attempt, I received one good lamp and one broken lamp. Since the base and electrical wiring of the lamp was fine, I carefully brushed off the broken glass, kept it and designed this Thing as a replacement shade. The last picture is of an undamaged, original IKEA Sinnerling lamp showing its glass shade.

My 3D printer's build volume is 250mm x 210mm x 210mm and couldn't accommodate a copy of IKEA's design, so I adjusted.

There are two parts to the lamp shade:

- A lower shade which sits on the lamp's cork base.
- An upper shade which sits on top of the lamp shade base piece.

The upper and lower shade pieces connect via 3 contact pads with small registration holes and pins in them. The lower shade has a smooth internal wall, while the upper shade has a thick hatch pattern.

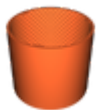
I printed my lower shade in dark/opaque PLA while the upper shade was printed in natural/clear PLA.

NOTES:

- You'll need a fairly large print volume to print the shade parts. I used nearly the full volume of my Prusa MK3, which luckily was just large enough.
- The lower shade takes around 12 hours to print at 0.2mm layer height and 20% infill.
- The upper shade takes between 24-48 hours to print. I found that 0.2mm layer height with 5% infill gave me good results. I also noticed that changing the infill pattern had a great effect on print time.
- You'll notice that the upper shade on my lamp is in two parts. That's because I had a print pan failure right in the middle of the print and decided to split the print in two, which I glued together later, rather than waste a bunch of PLA.

Category: Decor

Model files



ikea_sinnerlig_lamp-shade-v8.stl



ikea_sinnerlig_lamp-base-v20.stl

[Find source .stl files on Thingiverse.com](#)

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