



# Wicked Witch's Hat Wall Mounted Display / LED Backlit Accent Piece



DPs\_Designs

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## Summary

Wall-mounted LED witch's hat display! Keyhole slot, lithophane dual-glow face & optional Plexiglas halo backplate.

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Bring a magical Halloween glow to your wall with this wall-mounted LED witch's hat display! Featuring a classic crooked witch's hat complete with buckle detail and flame-like cutaways, this wall accent casts an eerie silhouette day or night.

To give you complete flexibility for mounting and custom lighting setups:

- **Lithophane Dual-Glow Effect (V2):** Features an ultra-thin 0.0314" (0.8mm) face layer. When the LEDs are switched on, brilliant light passes directly through the open cutouts while scattering a soft, ambient glow across the rest of the display surface!
- **Flush Keyhole Wall Mounting:** The required backplate features a built-in keyhole slot designed for #3 screws, allowing the entire piece to mount completely flush against your wall.
- **Plexiglas Halo Backlighting Option:** For an ultra-clean halo lighting effect against your wall, swap the printable backplate for a matching piece of Plexiglas cut to the same shape and screwed onto the back using the pre-modeled mounting holes!

Originally conceptualized as a custom woodworking project, this model has been fully adapted for 3D printing with precise tolerances, hidden wire routing, and customizable lighting options. Print it as a standalone desk accent, or use it as a physical template guide for scroll saw or router woodworking!

Be sure to explore the rest of my lighting collection here: [Illuminated Silhouette Collection](#)

### Key Features:

- **Lithophane Dual-Glow Effect:** The ultra-thin 0.0314" layer allows light to beam brightly through cutaways while diffusing a warm glow across the face of the hat.
- **Flush Keyhole Wall Mounting:** Features a built-in keyhole slot on the rear plate designed specifically for #3 screws to ensure a completely flush wall fit.
- **Versatile LED Backlighting:** Built with a hollowed-out rear cavity to easily route and conceal LED light strips.
- **Rear Diffuser / Light Shield:** Includes an backplate that fastens with standard hardware using pre-modeled mounting holes to direct light forward and shield wiring.
- **Plexiglas Halo Backplate Option:** Can be paired with a custom-cut Plexiglas backplate to scatter an ambient halo glow onto the surrounding wall.
- **Woodworker & Hybrid Friendly:** Functions as a physical template guide if you prefer cutting real wood for a hybrid build!

### Dimensions

- **Width:** 9"
- **Height:** 8.5"
- **Thickness:** 0.375"

## Print Settings

- **Material:** PLA or PETG
- **Layer Height:** 0.12mm to 0.20mm (0.12mm recommended for optimal lithophane translucency)
- **Infill:** 20%+ (Gyroid or Grid)
- **Orientation:** Print flat face down on the build plate for a smooth surface finish.
- **Supports:** None required

## Looking for a tabletop base edition instead?

Check out my companion listing here:

## Model files

witch\_hat\_wall.stl



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witch\_hat\_back\_wall.stl



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