

Crescent Moon & Forest Display / LED Backlit Accent Piece

DPs_Designs

VIEW IN BROWSER

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Summary

Tabletop LED crescent moon & forest display! Swappable trees, 3 moon face thicknesses & base LED strip channel.

Household > Home Decor

Tags: led lithophane decor backlit moon forest autumn nightlight trees woodland crescentmoon accentlight falldecor naturedecor tabletopdisplay woodworkingtemplate deskaccent

Bring a cozy, natural woodland glow to your desk, mantel, or shelf with this tabletop LED Crescent Moon & Forest Display! Featuring a bold crescent moon paired with staggered evergreen trees, this piece casts a warm, atmospheric silhouette day or night.

To give you complete flexibility for lighting and customization:

- **Swappable Tree Layout:** While the crescent moon sits in a fixed position, the base mounting tabs on the trees are identical, allowing

you to swap their positions or rearrange them to suit your personal style.
- **Three Moon Face Thicknesses:** Choose from three different rear moon configurations depending on your lighting preference:
  - Full Thickness: Solid faceplate for a crisp backlighting silhouette.
  - Half Thickness: Recessed rear cavity designed for installing LED strips to direct light straight towards the trees.
  - 0.314″ Lithophane Thickness: Ultra-thin shell that diffuses light through the moon itself for a glowing lunar effect!
- **Detailed Edge Edging:** Features smooth chamfered edges on the trees and rounded fillets on the moon for a refined 3D look. Flat-sided versions are also included if you prefer a clean modern line or easy wood-routing patterns.

Originally conceptualized as a custom woodworking project, this model has been fully adapted for 3D printing with precise mounting tolerances and clean wire routing. Print it as a standalone tabletop decor piece 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:

- **Precision Fit & Wire Pass-Through:** The 9.50″ base features built-in alignment insets and tabs to securely slot the moon and trees upright, along with a discreet slotted hole running from the rear to the center to route power cords cleanly out the back.
- **Modular Tree Positions:** Identical base tabs on both trees let you swap their left/right order for a custom look.
- **Versatile Moon Lighting Options:** Choose between full solid, half-cut cavity, or 0.314″ lithophane translucent moon faceplates for custom LED effects.
- **Base LED Strip Channel:** The base includes a dedicated inset slot to place an LED strip directly across the base itself to illuminate the lower forest floor.
- **Woodworker Friendly:** Can double as a physical template guide if you prefer cutting real wood.

Dimensions

- **Base:** 9.5” X 3” (0.5” rounded corners) X 0.375”
- **Width:** ~9.875”
- **Height:**
  - **Moon:** 9”
  - **Tall Tree:** 8.5”
  - **Short Tree:** 6”

- **Total Assembled Height:** 9.375”
- **Thickness:** 0.25” typical

Print Settings

- **Material:** PLA
- **Layer Height:** 0.12mm to 0.20mm (0.12mm recommended for optimal lithophane translucency on the moon)
- **Infill:** 20% or higher (Gyroid or Grid).
- **Orientation:** Rotate the 9.50″ base diagonally across standard build plates to fit comfortably. Print parts flat for a smooth surface finish.

Model files



moon.stl



moon_half_cut.stl



moon_lith.stl



moon_trees_base.stl



small_tree.stl



tall_tree.stl

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