

Crescent Moon & Autumn Leaves Display / LED Backlit Accent Piece

DPs_Designs

VIEW IN BROWSER

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Summary

Tabletop LED lithophane crescent moon & fall leaves display! Customizable loose leaves.

Household > Home Decor

Tags: led lithophane decor backlit moon thanksgiving autumn nightlight celestial mapleleaf crescentmoon fallleaves accentlight falldecor tabletopdisplay woodworkingtemplate deskaccent

Bring a warm, celestial autumn ambiance to your desk, shelf, or mantel with this tabletop LED Crescent Moon & Autumn Leaves Display! Featuring a sweeping crescent moon paired with customizable fall leaves, this accent piece casts a rich, glowing silhouette day or night.

To give you complete flexibility for lighting and personalized styling:

- **Customizable Leaf Arrangement:** While the crescent moon slots into a fixed position on the base, all of the leaves are loose, allowing

you to arrange, layer, or glue them to suit your personal style. Feel free to scale them or print extra leaves to build out an even fuller autumn cluster!
- **Lithophane Dual-Glow Moon (0.314″ Thickness):** Designed with an ultra-thin 0.314″ shell that diffuses light through the moon face itself, creating a soft, radiant lunar glow when illuminated from behind.

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 5″ round base features built-in alignment insets and tabs to securely slot the moon upright, along with a discreet slotted hole running from the rear to the center to route power cords cleanly out the back.
- **Rear LED Strip Base Channel:** The base includes a dedicated inset slot to place an LED strip directly across the base itself, projecting light upward to illuminate the leaves and moon interior.
- **Lithophane Lunar Glow:** Features an ultra-thin 0.314″ shell faceplate engineered to softly diffuse light across the crescent moon face.
- **Modular & Scalable Leaves:** Separate leaf files give you total freedom over placement, colors, and density.
- **Woodworker Friendly:** Can double as a physical template guide if you prefer cutting real wood.

Dimensions

- **Base:** 5” Diameter X 0.375” Height
- **Moon Diameter:** 9”
- **Height:**
  - **Moon:** 9”
  - **Leaves:** ~3” to 5”
- **Total Assembled Height:** 9.375”
- **Component Thickness:**
  - **Moon:** 0.25” (with 0.314″ lithophane diffusion shell)
  - **Leaves:** 0.125”

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:** Print flat face down on the build plate for a smooth surface finish

Model files



moon.stl



leaf-1.stl



leaf-2.stl



leaf-3.stl



base.stl

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