Printables by JOSEF PRUSA

Spooky All-Season Modular Lantern – Interchangeable Panels

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VIEW IN BROWSER

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Summary

Customizable modular lantern with swappable seasonal panels. For LED tea lights.

Household > Home Decor

Tags: halloween lantern halloweendecoration spooktober spooky christmasdecoration easterdecoration

Bring cozy ambiance to your home all year round with this fully customizable 3D-printed lantern! Designed around interchangeable side panels, this lantern easily adapts to any season or occasion—whether it's **Halloween, Christmas, Easter, Spring, Summer, or Autumn**.

You can print the included themed panels or easily design and print your own custom variations! For the best visual effect, print the panels in a high-contrast color relative to the main lantern body.

Key Features & Assembly:

- **Tool-free Panel Swapping:** The panels slide smoothly into internal side slots from the top.

- **Twist-Lock Top Lid:** The top lid slides on and locks securely into place with a slight twist.
- **Compact Dimensions:**
  - **Overall Lantern Size:** ~145 mm (Height) x ~90 mm (Width)
  - **Panel Dimensions:** 79 x 39 x 1 mm

Key Advantages (Highlights):

- **Year-Round Usability:** One lantern base for all holidays and seasons.
- **Easy & Fast Assembly:** Twist-lock mechanism with no screws or glue required.
- **Optimized for 3D Printing:** Designed specifically to minimize necessary supports.
- **Infinite Customization:** Create your own lithophane or patterned 79x39x1 mm panels.

Print & Slicing Settings:

- **Top Lid:** Needs supports (on print bed / build plate only).
- **Lantern Body & Panels: No supports required!**
- **Infill:** 15–20% (Grid or Gyroid recommended).
- **Top Lid Infill:** You can use Lightning infill for the top lid to save both print time and material; while this reduces overall strength, it remains completely sufficient for decorative use. Alternatively, use Gyroid for better durability and strength.
- **Layer Height:** 0.16 mm or 0.20 mm (lower layer heights give crisper contrast details on panels).
- Alternatively, you can slice a 1,5 cm slice off the top lid along the Z-axis, flip it, print it upside down, and print it completely without supports. This gives you a flat top for your lantern (see pictures).

⚠ IMPORTANT SAFETY WARNING:

FOR LED TEA LIGHTS ONLY! Do **NOT** use real candles or open flames inside this lantern. The plastic (PLA/PETG) will melt and poses a serious fire hazard. Always use battery-operated LED candles!

Model files

spooky-lantern-bottom.stl

spooky-lantern-top.stl

spooky-lantern-panels.stl

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