

DIY KIT · AN-01

ANDON

Japanese Joinery Lantern

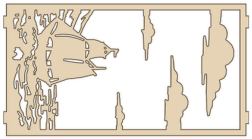
A hardwood frame, rice-paper faces, and a warm LED. Built by hand, joined without screws.

e-scapes

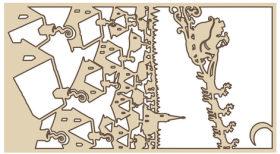
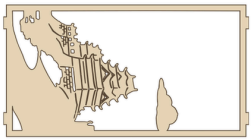
HOLIDAYS

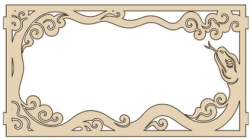
PLACES

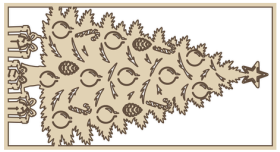
ZODIAC

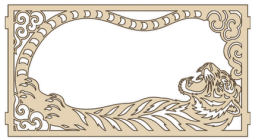


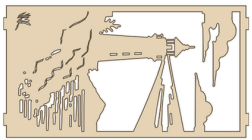



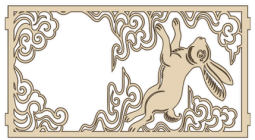










More designs are on our website: https://e-scapes.studio/

MANUAL

Contents

01

Included 02

Lantern parts 03

Roof and panels 04

ASSEMBLY

1 Prepare the panels 05

1 Join the halves 06

1 Lantern top 07

2 Magnets and gables 08

2 Shingles and accents 09

3 Trim the paper 10

4 Squares and magnets 11

4 Seat the lamp 12

4 Bottom and first panel 13

4 Panels 14

4 Anchors and roof 15

Included

HARDWOOD



H ×8 Horizontal beam



V ×4 Vertical rail

HARDWARE



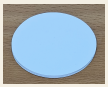
A ×8 Magnet



B ×3 Rice paper



C ×1 LED lamp kit



D ×1 LED light sticker



E ×1 Glue tube



F ×4 Felt bumper



G ×1 Glue brush

Included

LANTERN



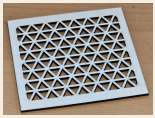
L1 ×2 Lantern top (half)



L2 ×1 Lantern bottom half A



L3 ×1 Lantern bottom half B



L4 ×1 Kumiko top panel



L5 ×16 Anchor



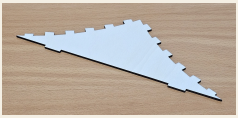
L6 ×12 Connector

Included

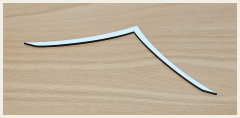
ROOF AND PANELS



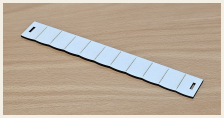
R1 ×2 Roof base (half)



R2 ×2 Gable



R3 ×2 Gable accent



R4 ×12 Shingles



R5 ×2 Torii gate



S1–S4 ×4 Side panel

Required but not included



Razor



USB power adapter

Prepare the panels



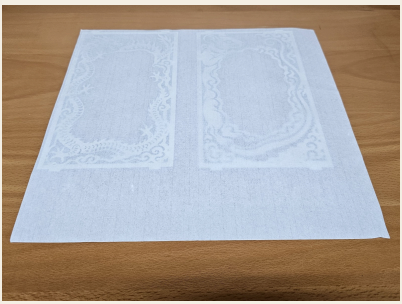
1a Remove any extra pieces of wood from the holes of the laser-cut panels.

OPTIONAL

If you want to paint or stain the laser-cut parts, the side panels, or the hardwood used for the lantern body, do that now and let the wood dry.



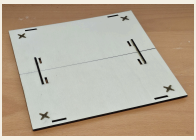
1b Apply a thin bead of glue **(part E)** around the outer frame on the side of the panel that will be hidden. If needed, use the glue brush **(part G)** to spread the glue.



1c Place the panel on the rice paper **(part B)**, making sure to leave enough room to allow each sheet of rice paper to cover two panels. Repeat for the other panels.

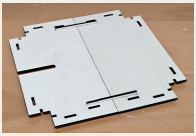
Join the halves

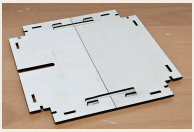
1d Combine the two roof base halves **(part R1)**. Do this by attaching two connectors **(part L6)** to the top side, and two connectors to the bottom side.



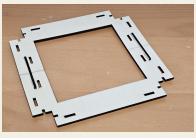


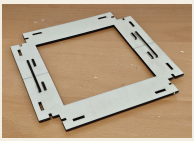
1e Combine lantern bottom A **(part L2)** with lantern bottom B **(part L3)**. Do this by attaching two connectors **(part L6)** to the top side, and two connectors to the bottom side.





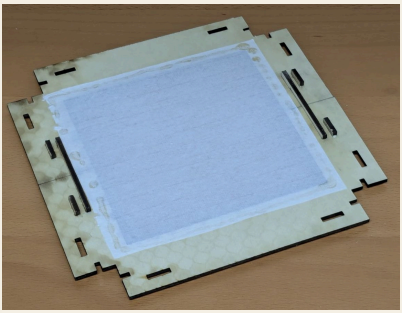
1f Combine the two lantern top halves **(part L1)**. Do this by attaching two connectors **(part L6)** to the top side, and two connectors to the bottom side.



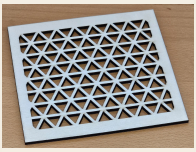


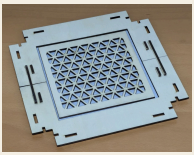
Lantern top

1g Cut a piece of rice paper slightly larger than the hole in the lantern top, roughly 5.5" × 5.5". Brush glue around the hole on the bottom side of the lantern top. Place the rice paper on the glue and leave to dry.



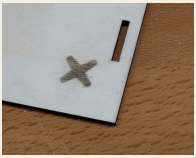
1h Once the glue has dried, position the lantern top so the rice paper is on the bottom and the panel on top. Brush glue on the bottom of the Kumiko top panel **(part L4)**. Gently place this in the center of the lantern top, on top of the rice paper, and leave to dry.

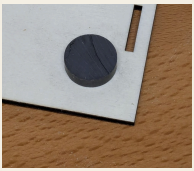




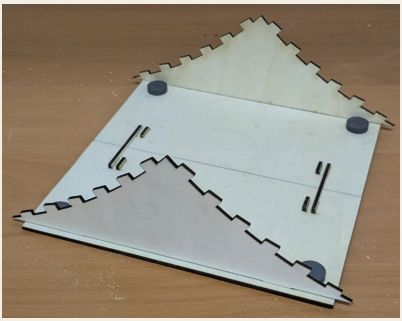
Magnets and gables

2a Apply glue to the four locations on the roof base marked X. Place a magnet on each of the four locations. Make sure the tinted side of each magnet is facing towards the wood (important).

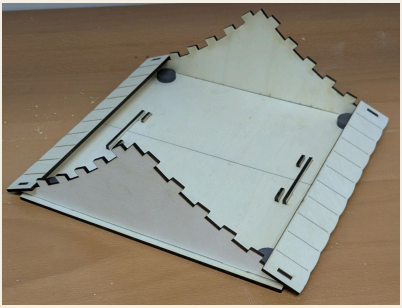




2b Attach the gables to the roof base using the tabs. Optional: For a stronger bond, you may brush on glue to the bottom of the gables before attaching.

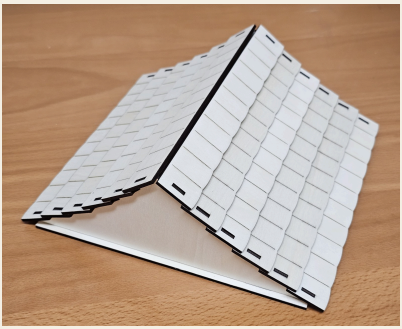


2c Attach the bottom row of shingles on each side.

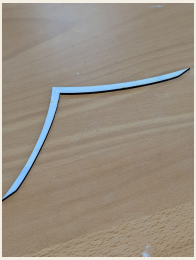


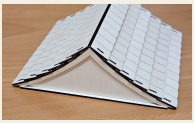
Shingles and accents

2d Attach the next row of shingles on top of the previously placed row. Repeat until all shingles are attached.



2e Apply glue to the gable accents. Attach the gable accent to the top side of the gable. Repeat for the other gable accent and attach it to the other gable.





2f Apply glue to the torii gate. Attach the torii gate to the side of the gable. Repeat for the other torii gate and attach it to the other gable.





Trim the paper



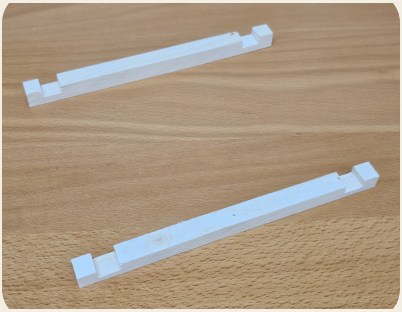
3a After the glue holding the rice paper to the panels has dried, turn the panels so the wood faces up. Take a razor and trace around the outside edges of the panel, cutting away any excess rice paper.



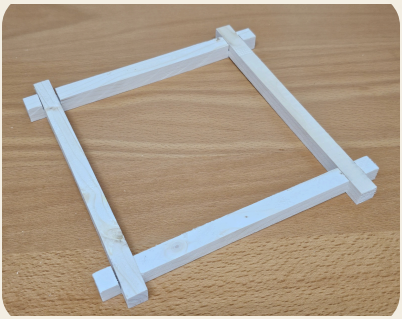


3b Repeat for all four panels.

Squares and magnets

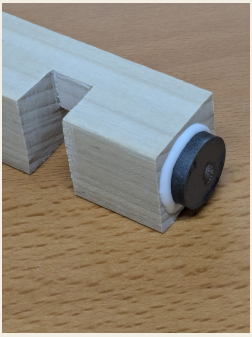


4a Lay out two of the horizontal beams **(part H)** parallel to each other.



4b Place two other horizontal beams on top of the first two, joining the notches of each of the beams. Lightly tapping the joints with a hammer may help with the joinery.

Repeat 4a and 4b with the other four horizontal beams to make two squares.



4c Apply glue to the top of the vertical rails **(part V)**. The top of the rail will have the notch closer to the end. Attach a magnet **(part A)** to the glue with the tinted side facing towards the wood (important). Repeat for all four of the vertical rails.



4d Attach the felt bumpers **(part F)** to the bottom of the rails.

Seat the lamp

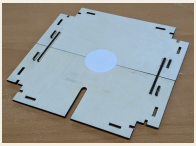


4e Attach one of the horizontal beam squares to two vertical rails. Place it on its side.





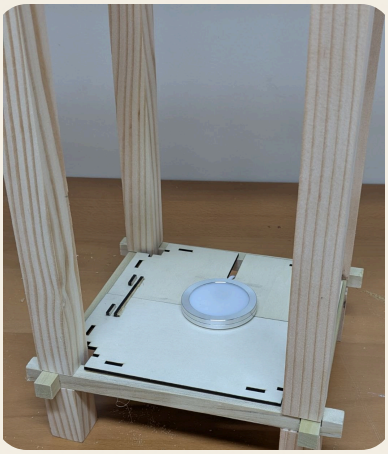
4f Attach the second horizontal beam square to the two vertical rails. Attach the two remaining vertical rails **(part V)**, one at a time, to complete the lantern body.





4g Remove the paper covering one side of the LED light sticker **(part D)** and attach it to the center of the lantern bottom. Remove the other paper covering the light sticker and place the LED light **(part C)** on the sticker.

Bottom and first panel



4h Place the lantern bottom on top of the horizontal squares. When doing this make sure the wire goes through the slot on the lantern bottom and comes down through the bottom of the lantern. Optional: For a stronger bond, add glue around the edges of the bottom side of the lantern bottom panel before placing it.

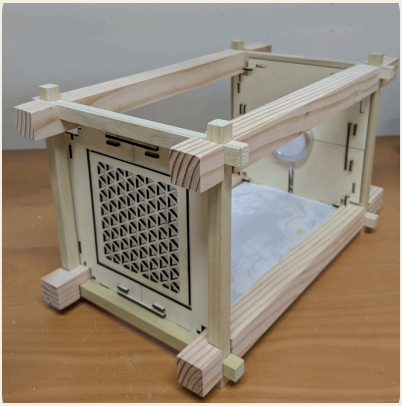


4i Insert the anchors into the tabs until the gaps between the vertical rails are even. It may be easier to achieve this by first placing the lantern on its side.



4j Attach the front panel to the lantern bottom, slotting the bottom tabs into the notches of the lantern bottom.

Panels



4k Turn the lantern on its side with the installed panel facing the ground. Move the lantern top panel into the frame, but keep it unattached to any of the side panels until step 4m.



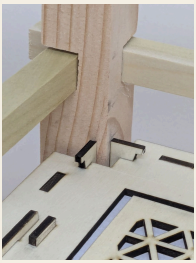
4l Attach the other three panels to the lantern bottom.



4m Stand the lantern right side up and attach the lantern top to each of the panels.

Anchors and roof

4n Attach the anchors to the slots on the top panel next to each vertical beam. Position each anchor so the amount of spacing is distributed roughly equally across the four vertical beams.





4o Move the roof onto the vertical rails.



FINISHED

Congratulations, your lantern is complete! Plug the LED light into a USB-A power adapter (not included). Toggle the settings until you find the color and brightness level that works best for the area.

Designed by Emily



Built by Alex





Approved by Mochi


e-scapes
https://e-scapes.studio/



https://e-scapes.studio/