

Assemble the LED insert

1

Prepare the wires

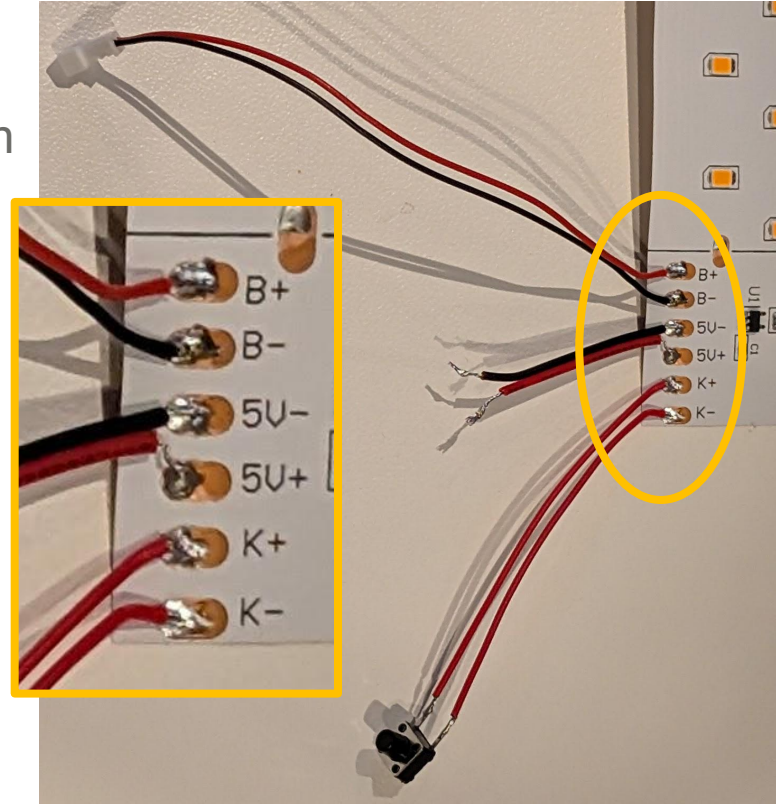
Trim the mode/power switch wire down to approx 6cm and strip the ends.

Find the 3cm of black/red wire and strip the ends.

2

Solder the wires on the module

From top to bottom, solder the battery connector (in-line socket), black/red wires for the USB-C charger and the mode/power switch.



Assemble the LED insert

3

Wrap the LED panel around the insert

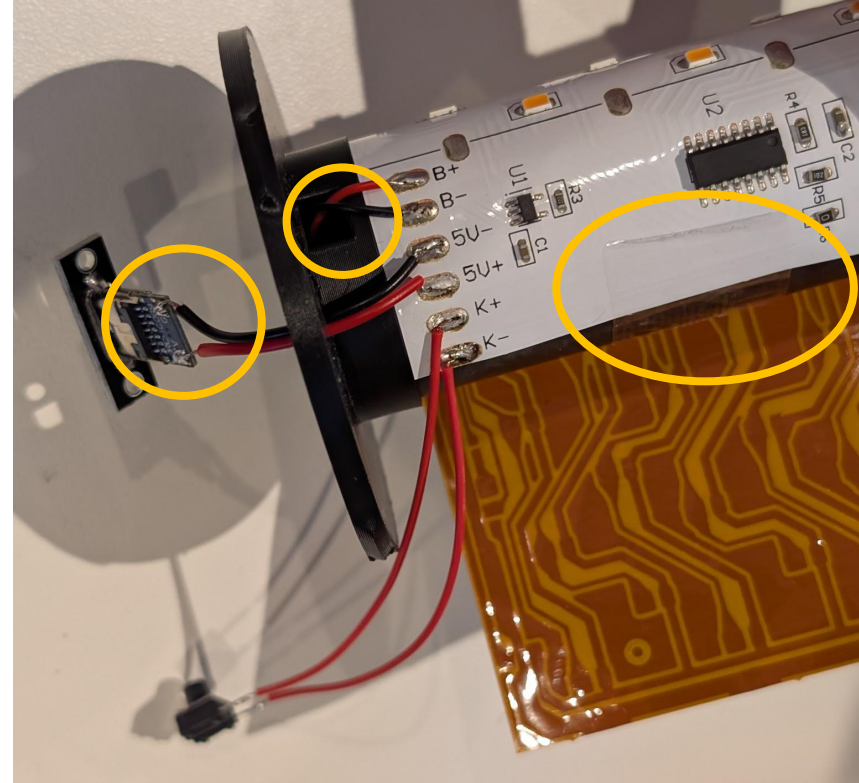
Align the battery cable with the hole at the base of the insert, and attach the panel with a piece of sticky tape.

Insert the battery cable into the hole and up into the centre of the insert.

4

Solder on the USB-C connector

Thread the USB-C power connector wire through the hole in the base, and solder on the USB-C connector



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Glue the LED panel to the insert

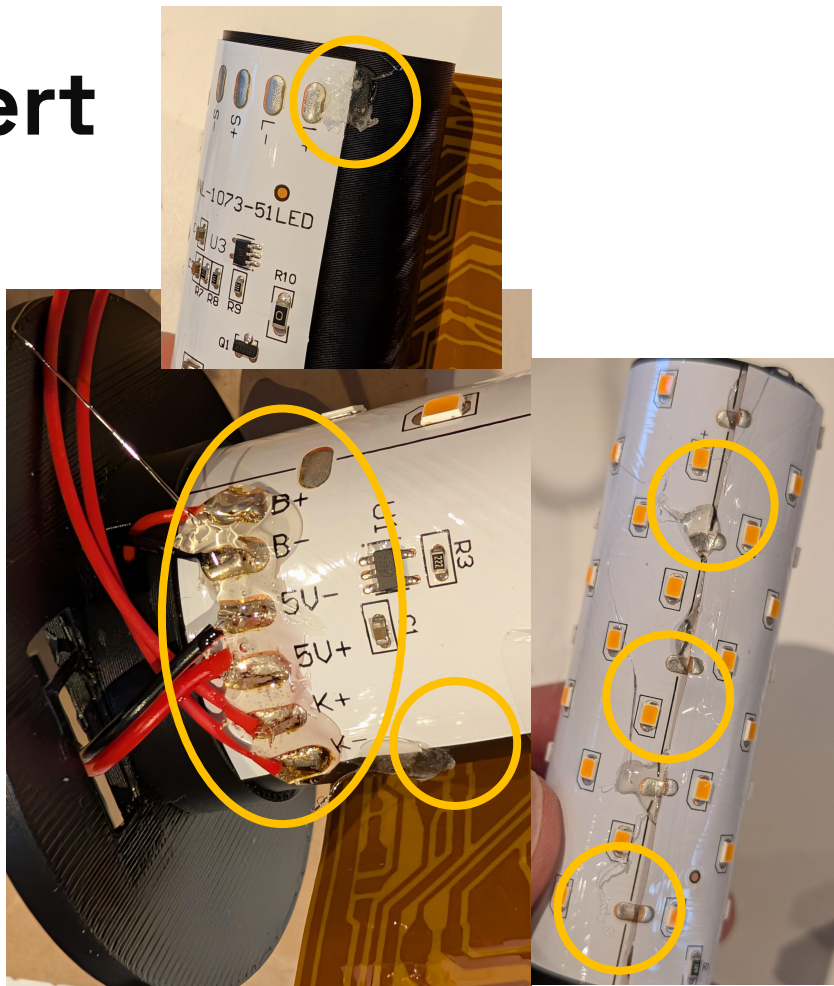
Use a **small amount** of glue to stick the panel to the tube of the insert along its edge.

Use a **little bit** of hot glue to insulate and secure the soldered terminals.

6

Wrap the whole panel around

While the glue is hot at the bottom, wrap the rest of the LED panel around and glue it along its edge.



Assemble the LED insert

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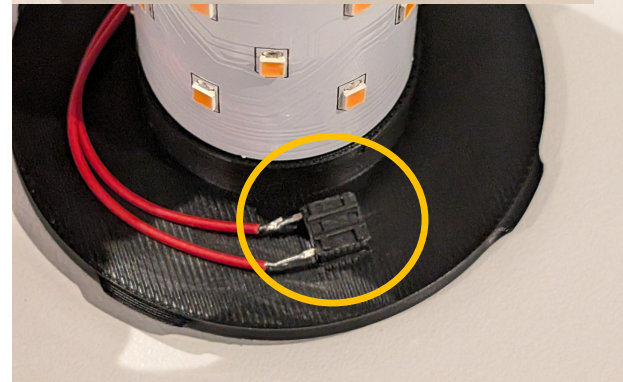
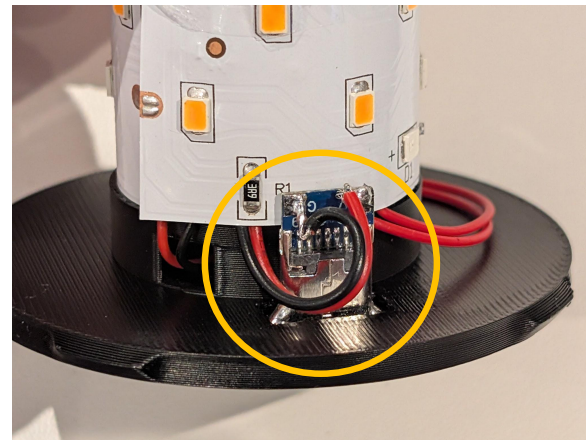
Push USB-C port in and glue it

Wait for it to cool and solidify. **Don't overdo the hot glue!** It can melt the PLA plastic! (Yes, I should have printed with PETG, but it's too late now!)

8

Place mode/power button and glue it

Again, glue in the button, but don't go crazy with the hot glue. Use a bit and let it cool down.



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9

Attach your battery to the connector

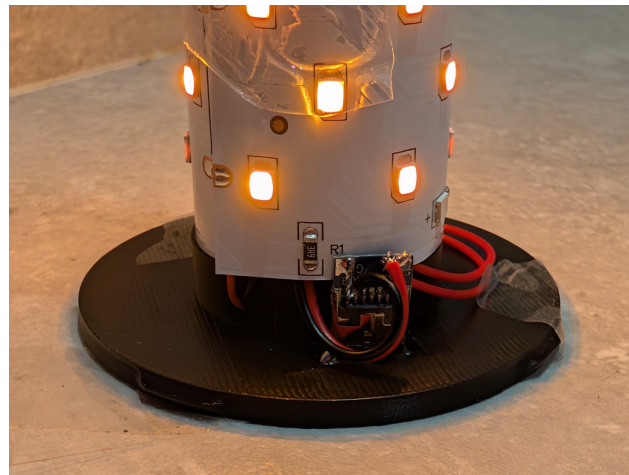
Solder the battery connector cable to the battery CAREFULLY. Observe the polarity red +ve and black -ve

10

Connect the battery and test it

Connect the battery to the inline socket. The LEDs should light up! Carefully drop the battery down into the centre of the LED insert.

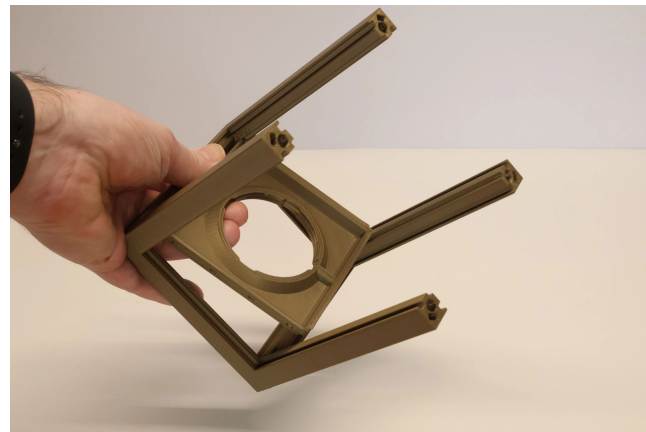
Try the mode button.



Assemble the Lantern

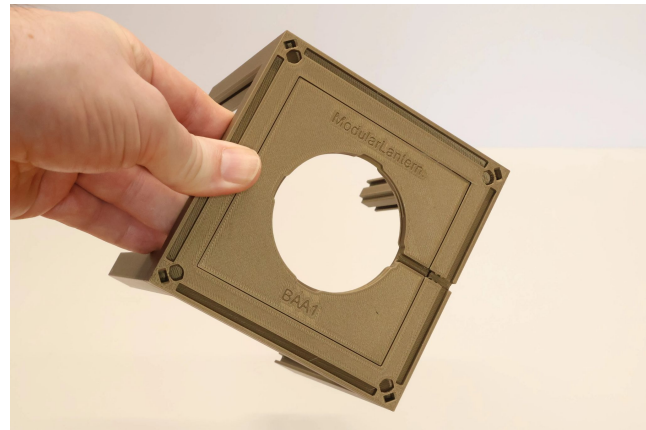
11 Fit the rock base into the frame

Push it in until it's flush, with the wire gap aligned with the gap in the edge of the frame.



12 Decorate/select 4 side panels

Pick a blank panel, or printed pattern, and decorate and customise it as much as you'd like



Assemble the Lantern

13 Attach a spacer and top

Use the magfit clips to attach the spacer (looks like the base, but flat)

14 Attach a topper, fittings and skirt

Again, magfit clips and attach the ring at the top. And a skirt on the bottom.



Assemble the Lantern

15

Insert the LED rlock module

Now the glue has cooled/dried, insert the module into the base and twist it to lock it in.

