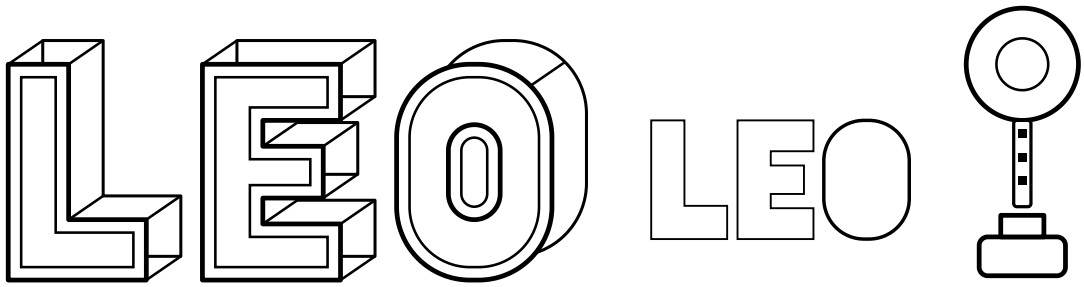
NAMENSLEUCHTE

Assembly instructions

How to put your name lamp together – using **LEO** as an example. The same for every length and both fonts.

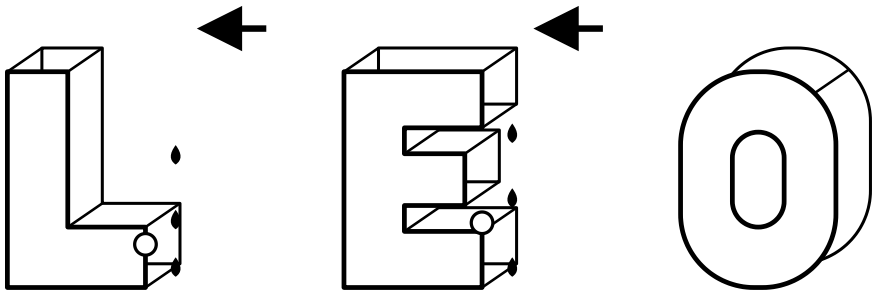
What you need



Letters (bodies) **Diffusers (white)** **LED strip + USB**

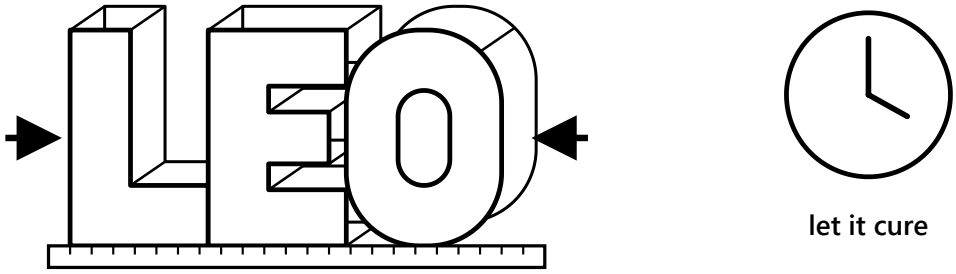
- the printed **letters** and one **diffuser** per letter
- a 5 V **LED strip** with USB connector – as wide as you chose in the designer (8, 10 or 12 mm); length: roughly the sum of the letter heights plus 20 cm spare
- an **adhesive** for plastics (e.g. superglue gel or two-component adhesive), **scissors**, a **ruler**
- optional: hot glue to fix the strip, masking tape, fine sandpaper

1 Glue the letters together



keep channel clear

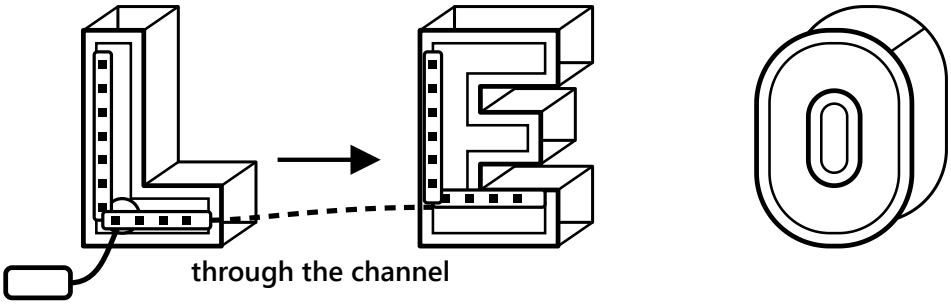
1. Lay the letters side by side in the right order on a flat surface – the open side faces forward.
2. Fit them together once without glue: the channels in the side walls must line up exactly.
3. Apply a little adhesive to the joining surfaces, **not into the channels** – that is where the LED strip will run.



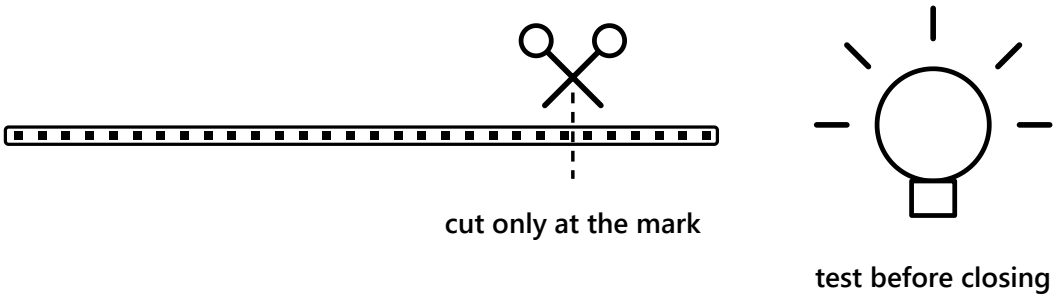
let it cure

4. Press the letters together and align the bottom edge with a ruler so the lamp stands straight.
5. Let the adhesive cure as stated on the packaging. Masking tape holds the parts together in the meantime.

2 Stick in and thread the LED strip



1. Push the USB plug from the inside through the **cable opening** in the first letter and out the back.
2. Stick the strip along the inside wall – the LEDs face inwards, towards the diffuser. Peel off the backing bit by bit as you go.
3. At the transition to the next letter, thread the strip **through the channel** and keep sticking on the other side.
4. Do not kink the strip: in tight curves, make a small loop instead.



5. Cut off the excess only at a **cut mark** (usually a scissors symbol or copper pads).
6. Plug in the USB plug once: do all letters light up? Only then carry on. You can fix loose spots with a drop of hot glue.

3 Fit the diffusers

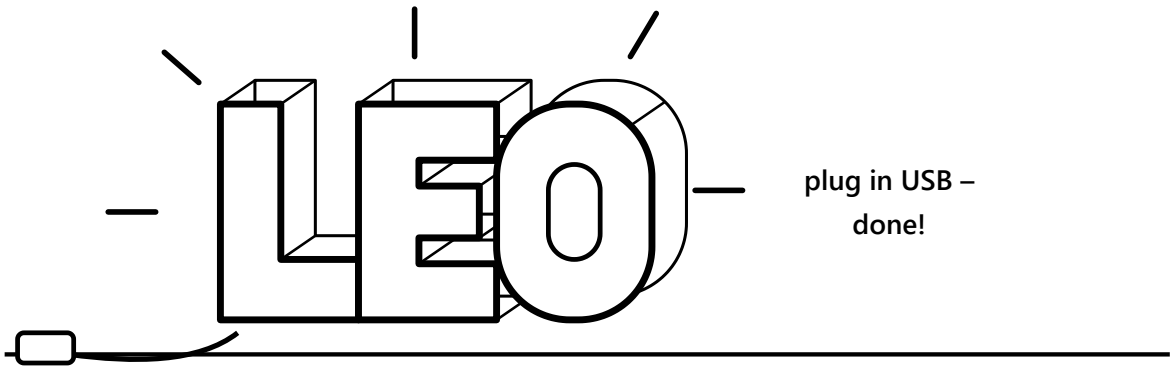


recessed
set back, the rim stands proud

flush
level with the rim at the front

section through a letter · front = top

1. Insert each diffuser into its letter from the front until it rests on the ledge inside.
2. **Recessed:** the flat side faces the back, the rim of the letter stands proud at the front and frames the light. **Flush:** the flat side faces forward and sits level with the rim.
3. If a diffuser is loose, two or three drops of adhesive on the ledge are enough – never on the light surface, and do not touch the fresh glue with your fingers.



plug in USB – done!

Good to know

Printing

- Every letter and every diffuser is a separate part in the 3MF file.
- Print the letters with the open side facing up, the diffusers with the flat side on the print bed.
- Print the diffusers in white or natural – thin and light-coloured, they glow most evenly.
- Light body colours let some light through the wall; dark colours or more wall loops block it better.
- Bambu Studio says the 3MF file is not from Bambu Lab – simply confirm and the parts will be loaded.

Light

- COB strips give a very even surface; individual LEDs (SMD) tend to show dots of light.
- Warm white (about 2700–3000 K) feels cosiest – ideal as a night light.
- Use a USB dimmer or a strip with a remote control to adjust the brightness.

Safety

- Only use 5 V strips with a certified USB power supply – no mains voltage in the lamp.
- Plastic (PLA) softens from about 55 °C: do not place the lamp in direct sunlight, next to radiators or on heat sources.
- The lamp is a decorative item, not a toy. Keep cables and small parts out of reach of young children.

Care

- Dust with a dry, soft cloth – no solvents.
- A faulty strip can be replaced: carefully lever out the diffuser and stick in a new strip.

Questions? namensleuchte.de/en/#kontakt · info@datrax.de