

MAKE A LEAF LAMP FROM 125 BOTTLE CAPS

TUTORIAL



Original designer Peter Schumacher invented this lamp type. After my experience with compression moulding I realized that similar lamp can be made out of bottle caps. Therefore its good to know that I am not author of this idea.

Peter Schumacher with his original leaf lamp



What material do you need?

125 clean HDPE bottle caps

Wood sticks:

- ☐ 1 piece: diameter 18mm, length 300mm
- ☐ 5 pieces: diameter 10mm, length 280mm
- ☐ 25 pieces: diameter 6mm, length 200mm
- ☐ 125 pieces: diameter 3mm, length 70 mm

3D printed models (recommended material recycled PLA):

- ☐ 5 pieces: LL-01-0001-01.stp
- ☐ 25 pieces: LL-01-0002-01.stp
- ☐ 125 pieces: LL-01-0003-01.stp

Electric cable

LED bulb



Step #1 – press all 125 bottle caps

Put 9 bottle caps with spacing on mould with baking paper.

Put mould into electric oven for approx. 15 min

Press it outside oven (I use mini press)

Wait at least 15 min and remove bottle caps from mould. – take care, mould will be still hot.

Repeat until you have all 125 pieces ready.

Then drill a hole 2mm in the center of each bottle cap.



Step #2 – assembly

When your 3d printed models, wooden sticks and bottle caps are ready, start with assembly of small part. If 3d printed part is loose on wood, apply a glue.





Step #2 – install light

Attach the cable and light by a string to the middle wood stick.



Leaf lamp made out of 125 bottle caps by Plastmakers

