

Description

Print all parts as described in the part and material list which is uploaded :) I used Polymaker Cotton White for the main Elements and bronze PETG for the base and stage parts. The „mount parts“ should be White PETG.

Print dimensions should be min. 256x256x240mm (Bambu A1 for example)

You can choose how high the pillar should be, it is modular. Simply print more main parts!

You won't need any supports for printing! A 3MF file is prepared with all settings. If you use other slicers, take a look at the screenshot of the settings :)

You can use any LED components you like.

Items

Here is what I used (you can use different LED components of course!):

- 1x LED COB 480 LEDs/m Strip 3000k, 8mm width, max 3mm thickness (they are usually thinner), 12V, 9W/m - it depends on the amount of the main parts you want to use, how Long the LED Strip should be
- 1x 12V 6A power supply (If you choose other LED, you might need different power supply
- 1x „Shelly“ RGBW controller (You actually don't need an RGBW controller, only in case you have RGBW LED strip to have colour management. I simply use it for dimming)
- simple nails with approx 1mm diameter

Printed parts and materials

Amount and material of parts to print:

Print with translucent material. I used Polymaker Panchroma PLA Cotton White:

- Variable amount x main
- 1x stage 2

Use clear transparent PETG or any other PETG:

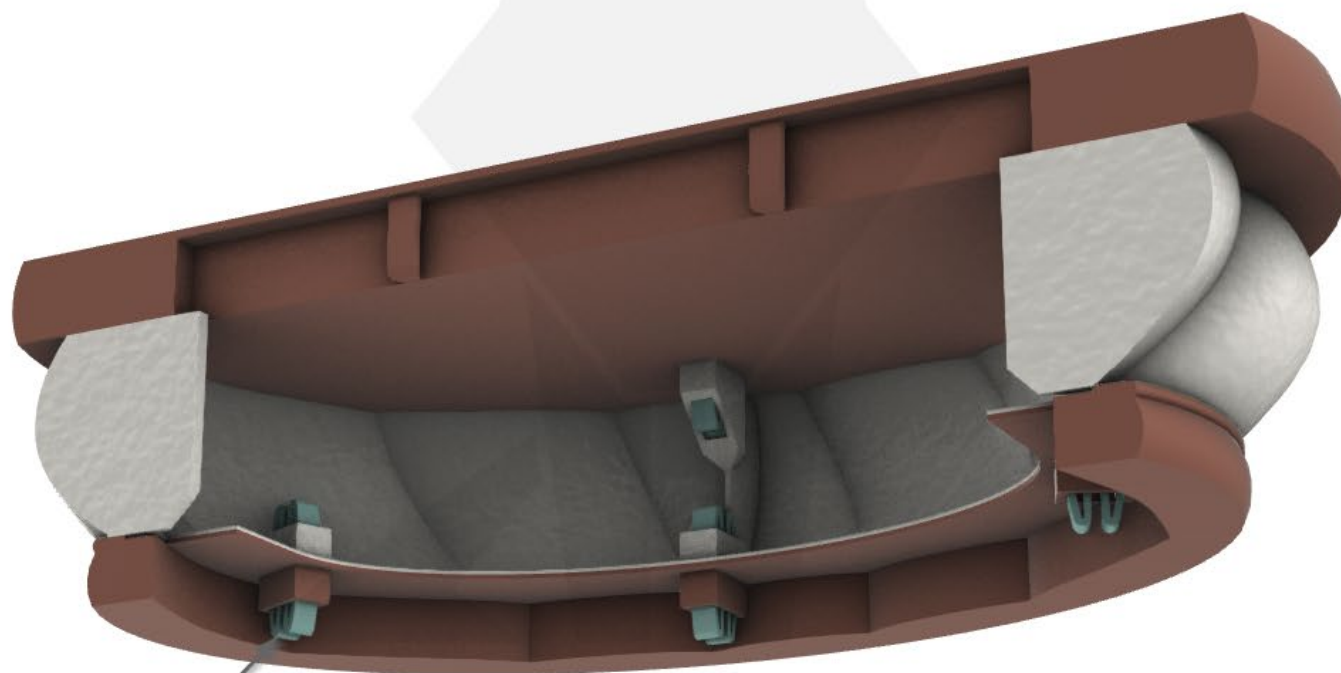
- 6x clip thin

Use white PETG

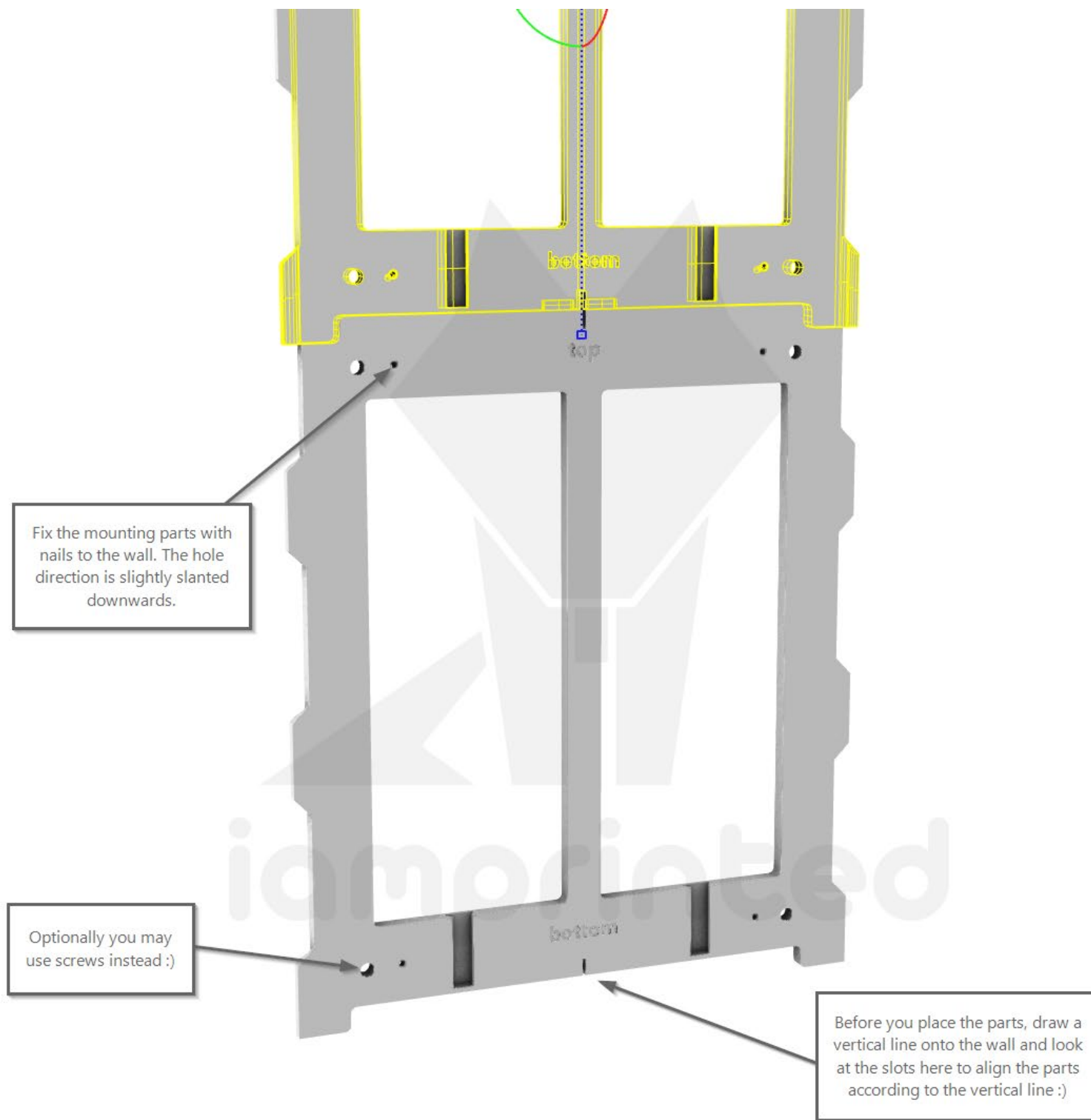
- Variable amount x mount main
- Variable amount x mount stage

Use any non-translucent PLA or PETG you like

- 1x base
- 1x stage 1
- 1x stage 3 OR 1x stage 3 halfed Version-1 + stage 3 halfed Version-2



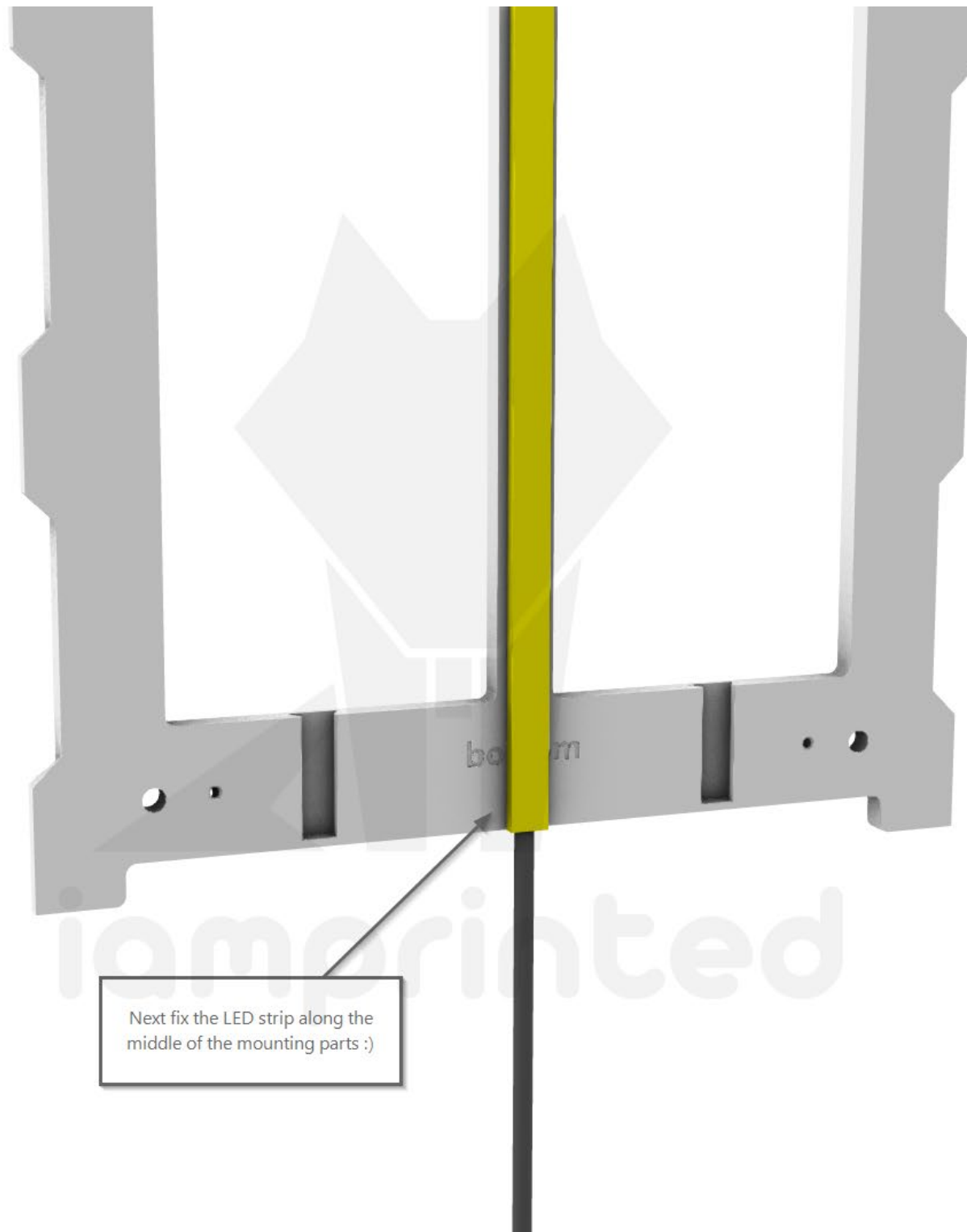
Use the clips to connect
the top parts :)



Depending the pillar height place as much main mount parts as you want. The uppermost part should be the "stage" part.

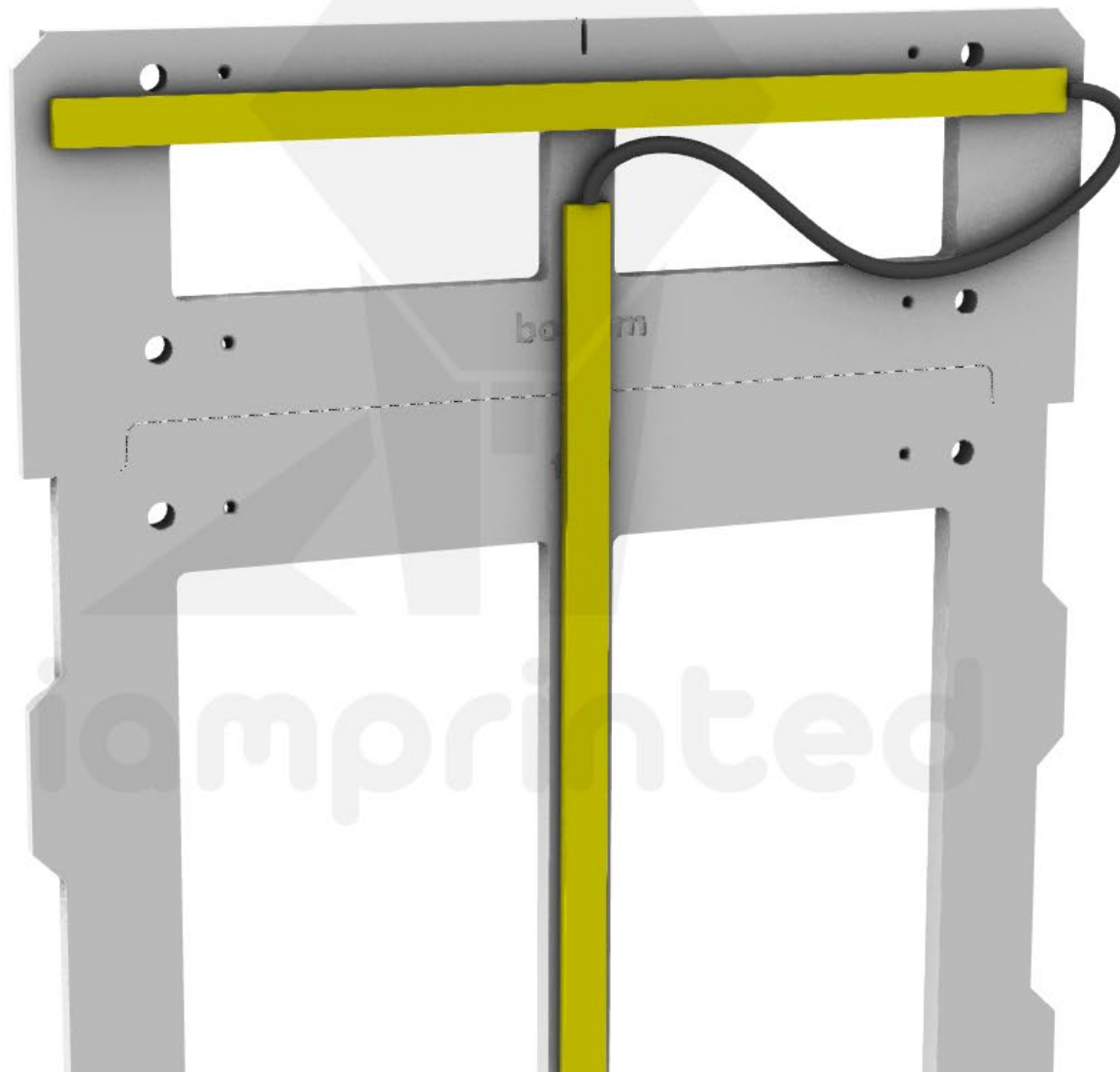


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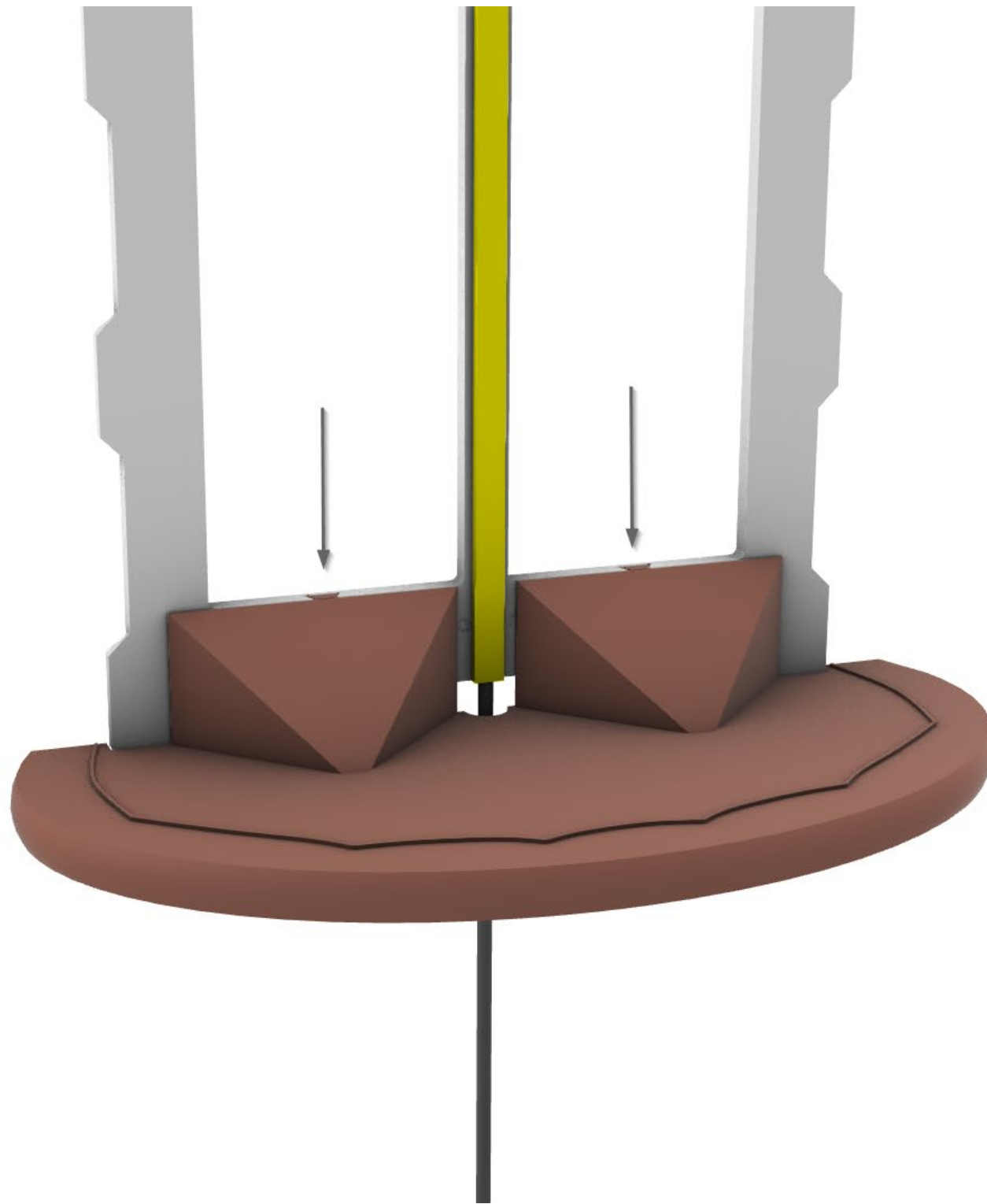


Next fix the LED strip along the
middle of the mounting parts :)

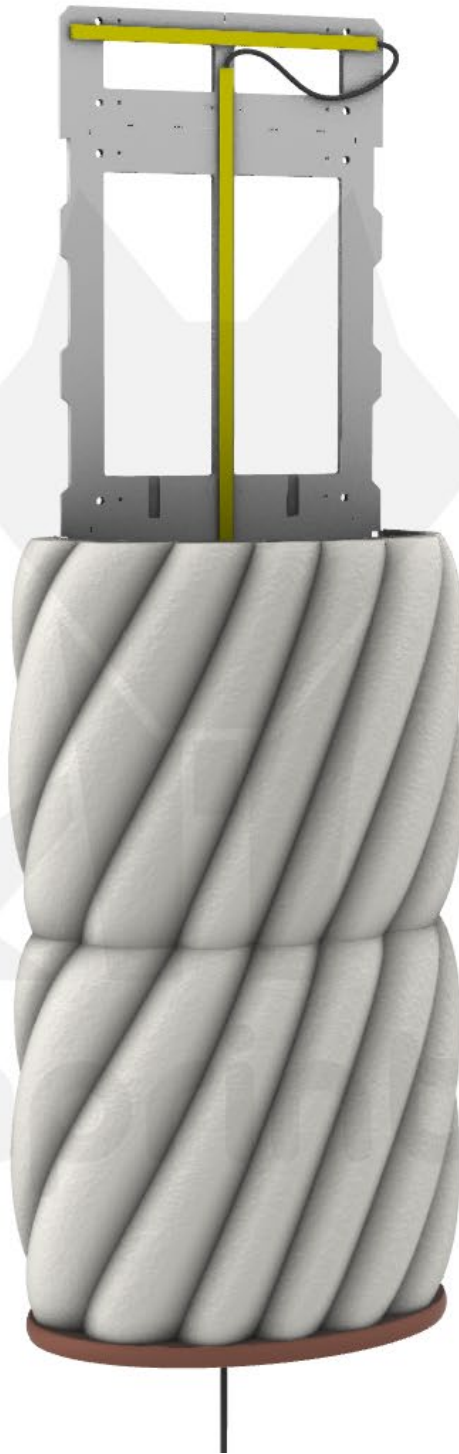
To have more light for the top part, you might optionally extend the LED strip like this. You don't need to separate the LED with a cable, you can simply continue with the LED without cutting it :)

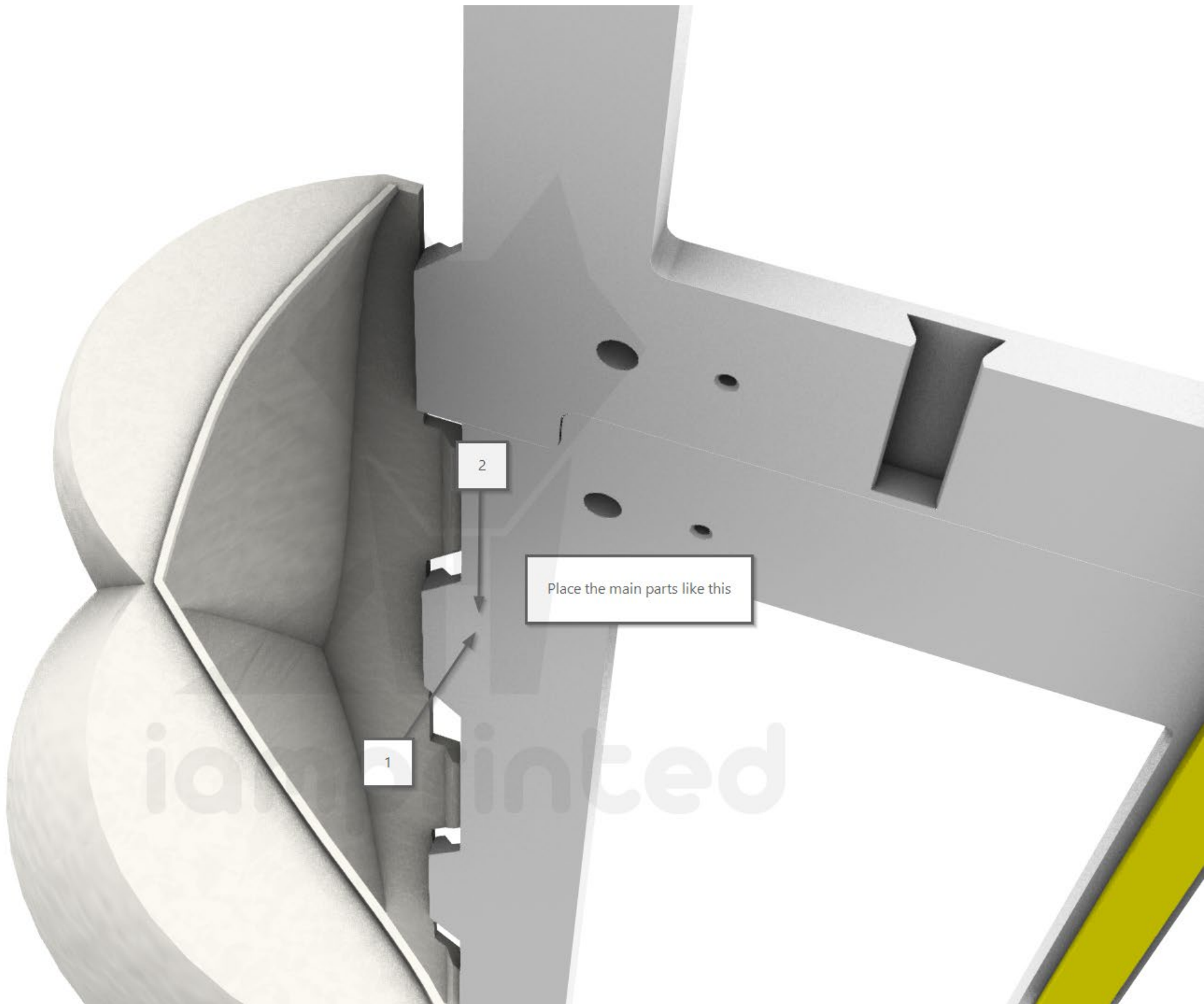


Next slide the bottom part
into the mounting part.

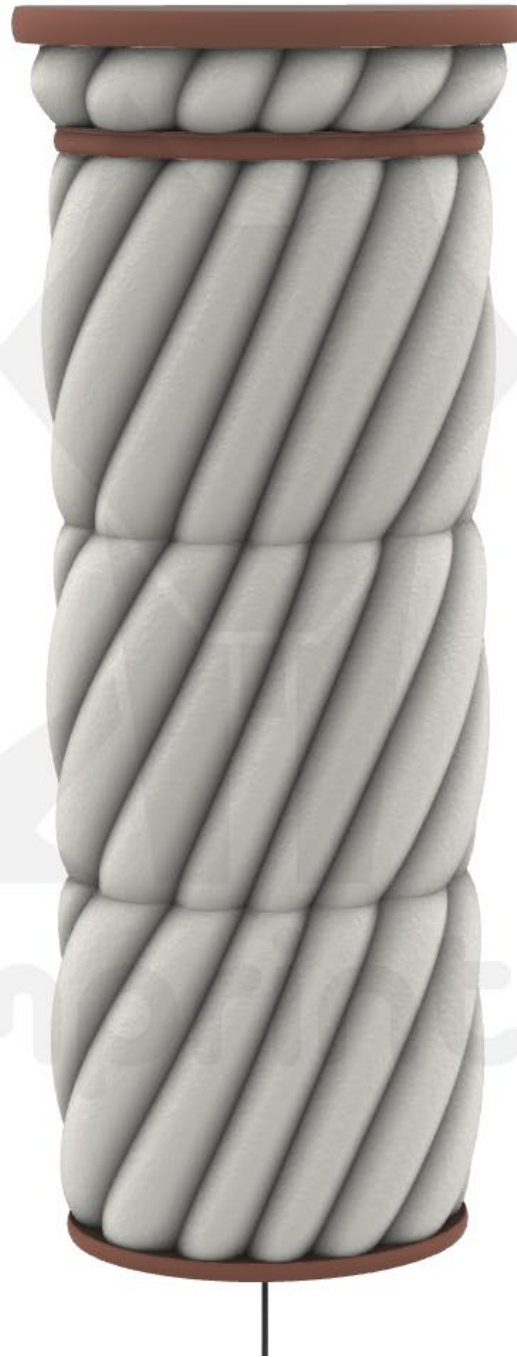


Place one after the other main
part onto the pillar :)





Continue until the pillar is
completed :)



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