

Wall Lamp

Version 1.0



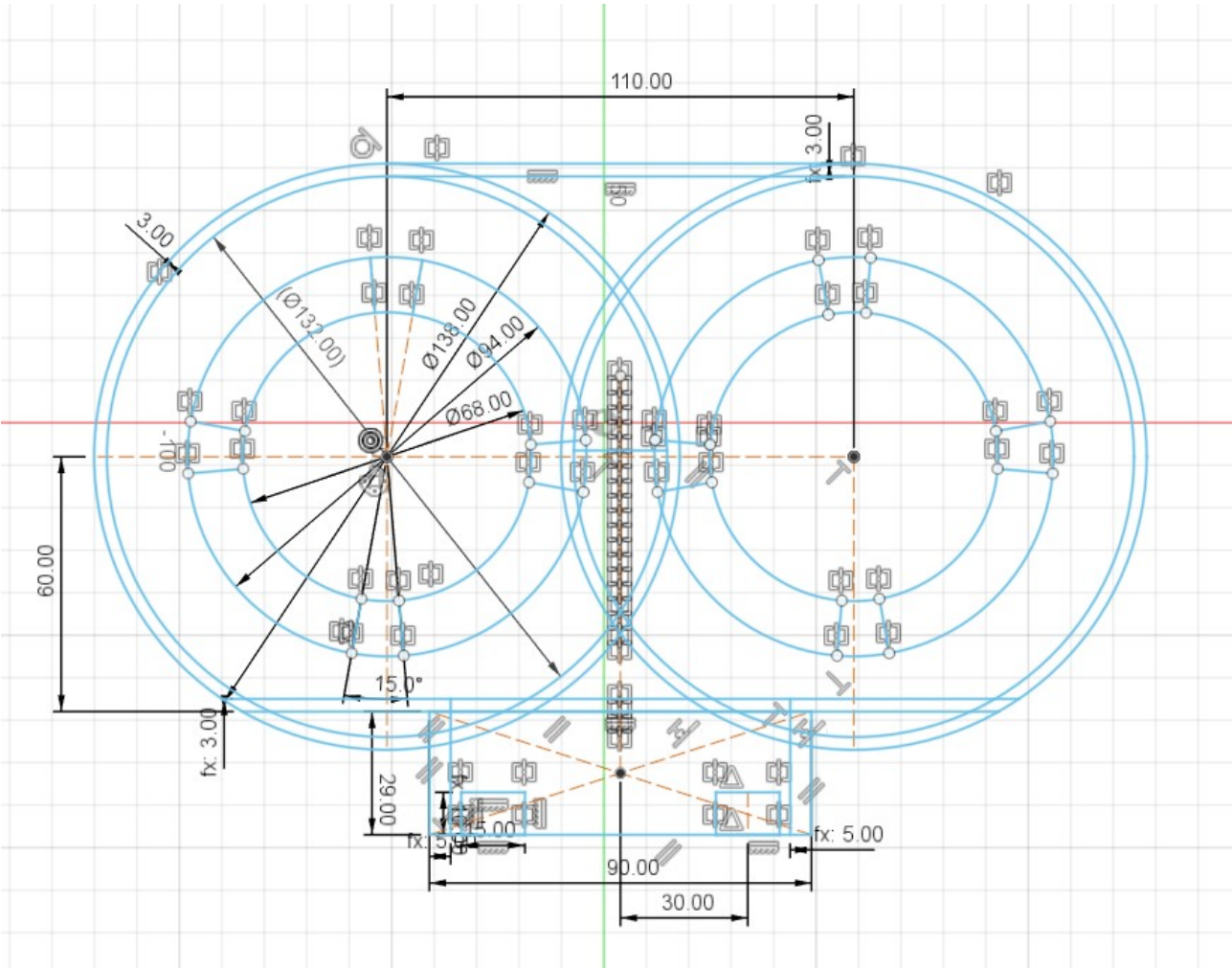
Project Goals

Since I have some spare recessing lamps, I decided to create a Wall Lamp, using 2 of them.

Well the power is in any case weak. Just 2x5W, but it is enough the application I have in mind.

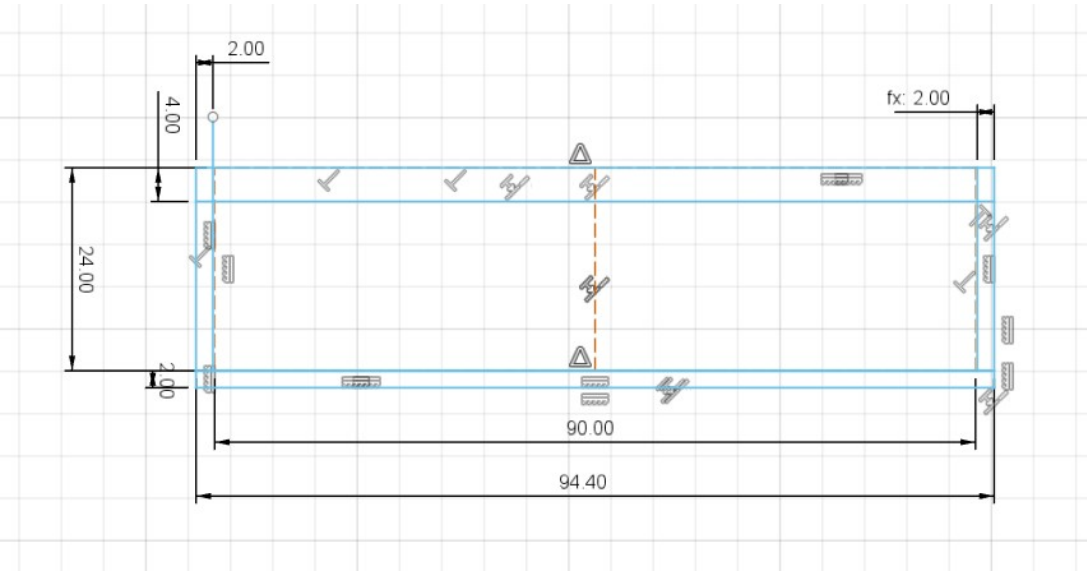
Sketches

Wall Lamp Body Sketch

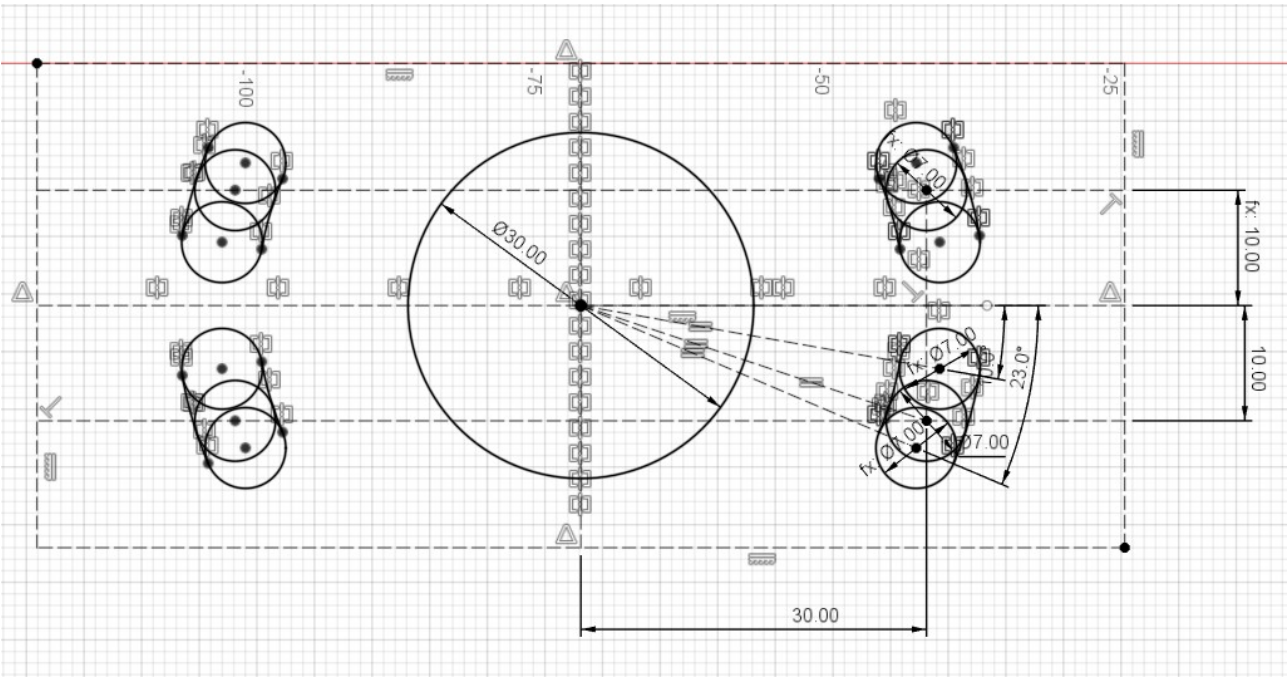


Wall Mount Sketch

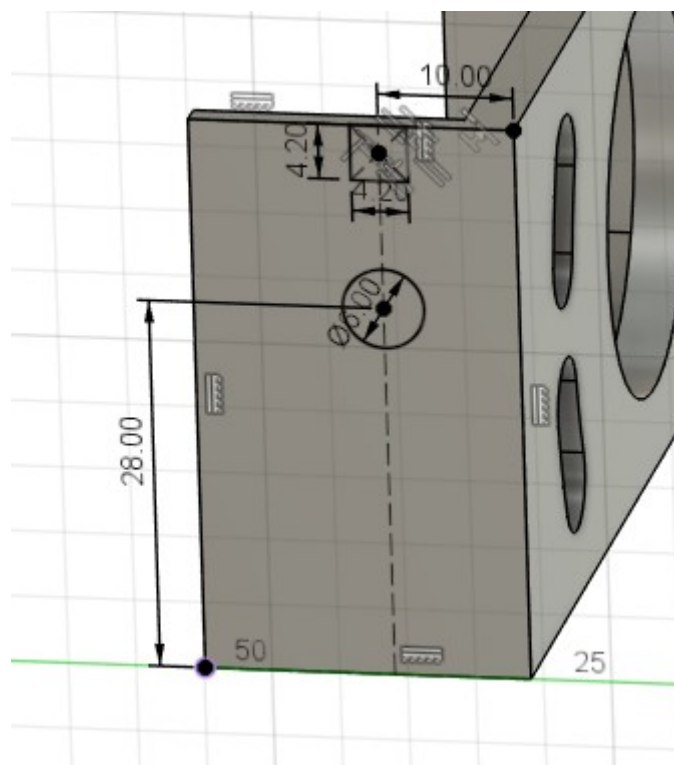
Top View: this is the base of the wall adapter.



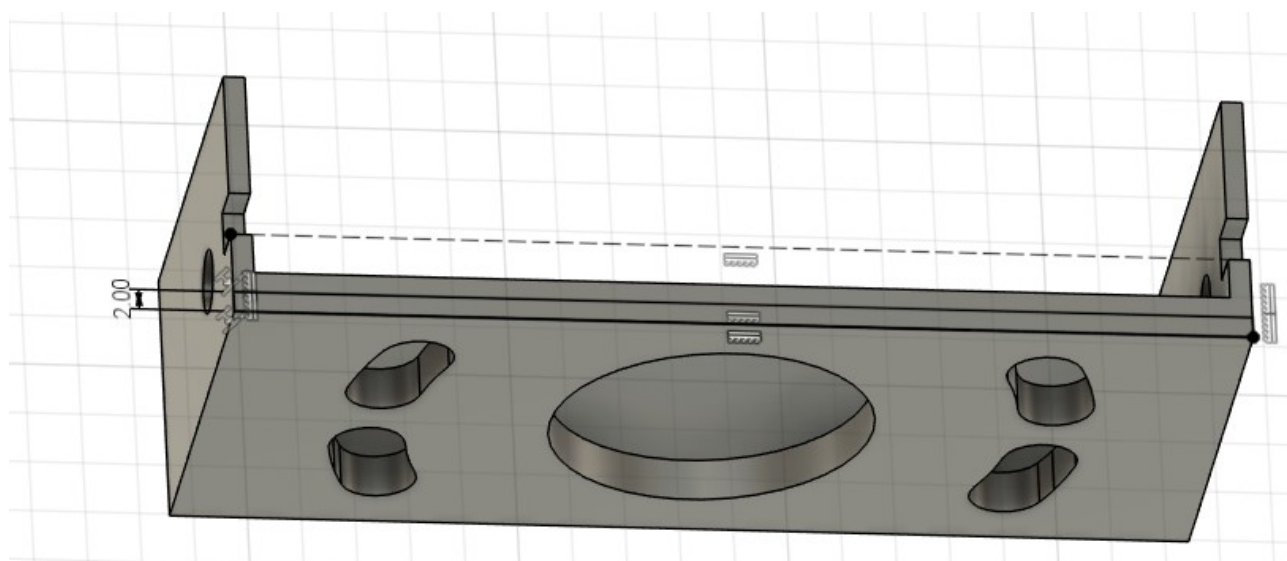
Side: this is the side view with slots and holes to mount the device. The 4 slots are arranged in a circular patter to allow a small rotation of the wall adapter (23 Deg)



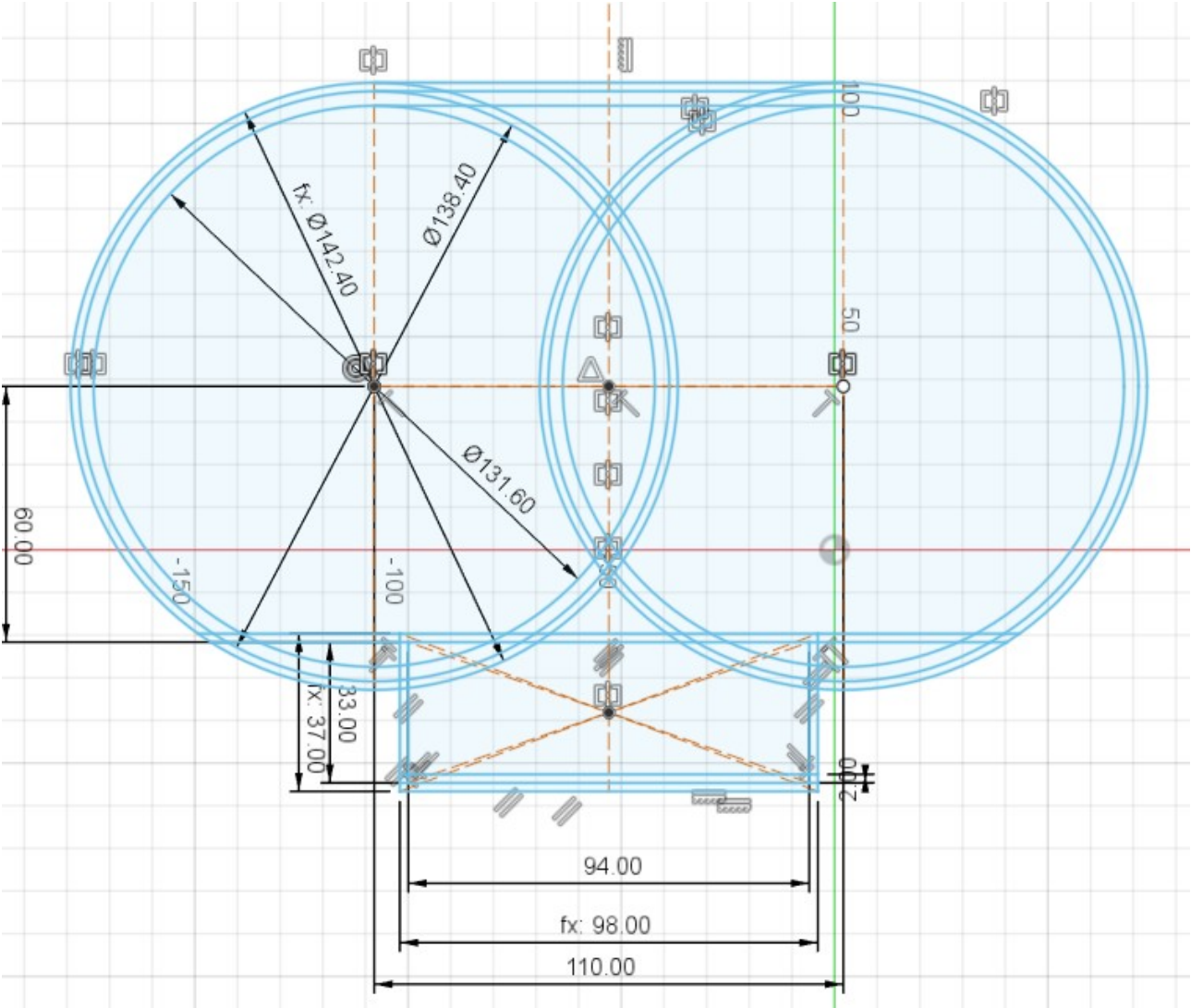
Blocking screws: this side views shows the screws used to connect the body to the wall adapter.



Cover Slot: this is the sketch for the slot where the cover enters to close the lamp.

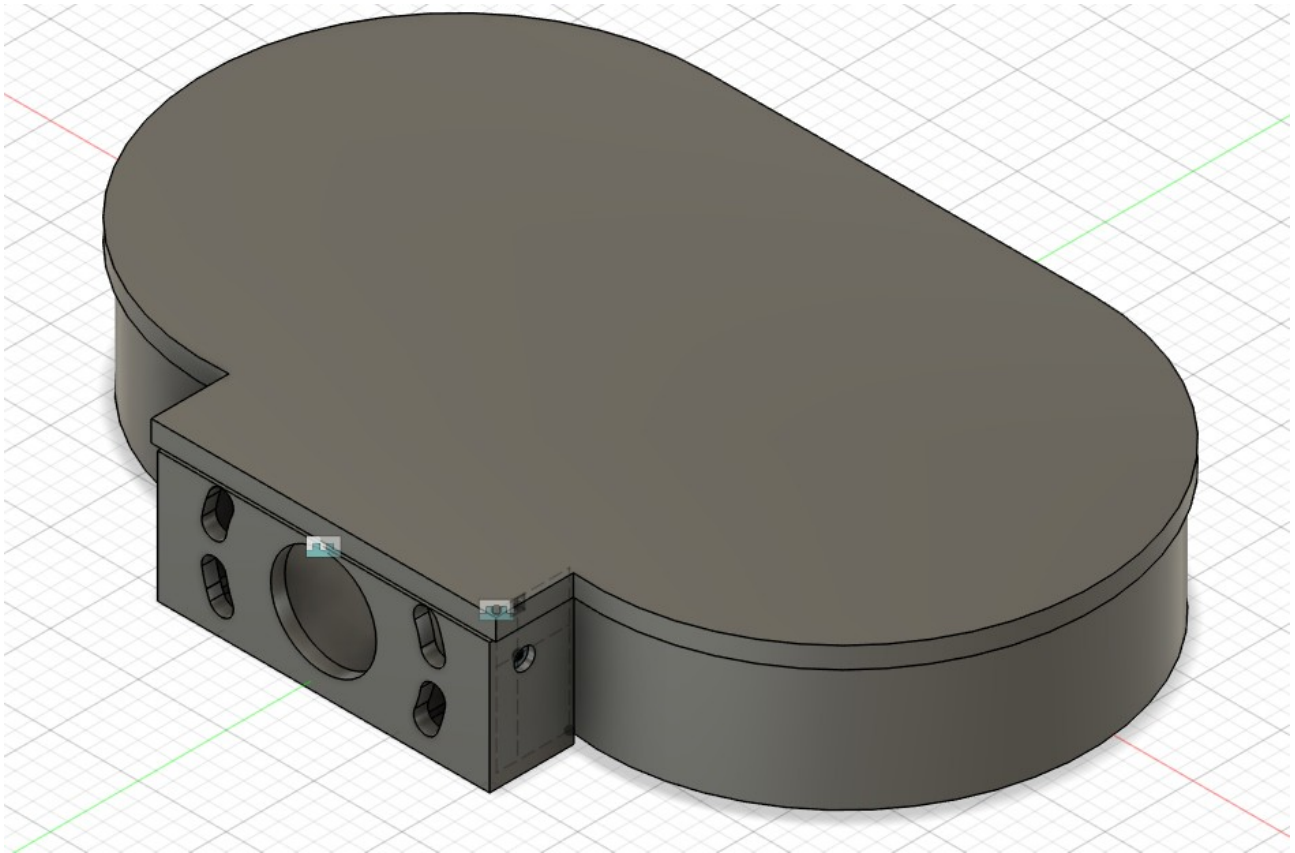


Wall Lamp Cover Sketch

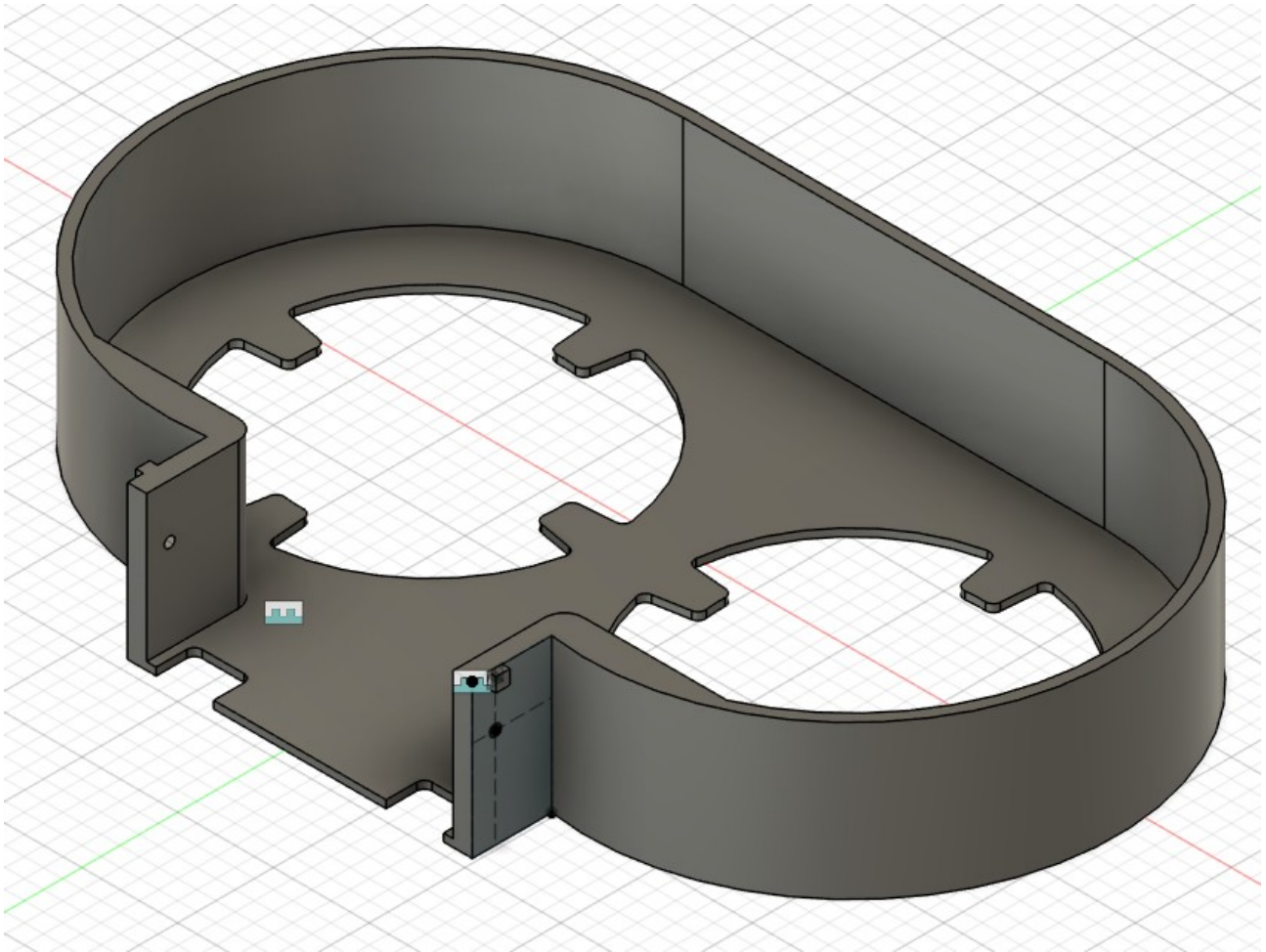


3D Models

This is the assembled kit.



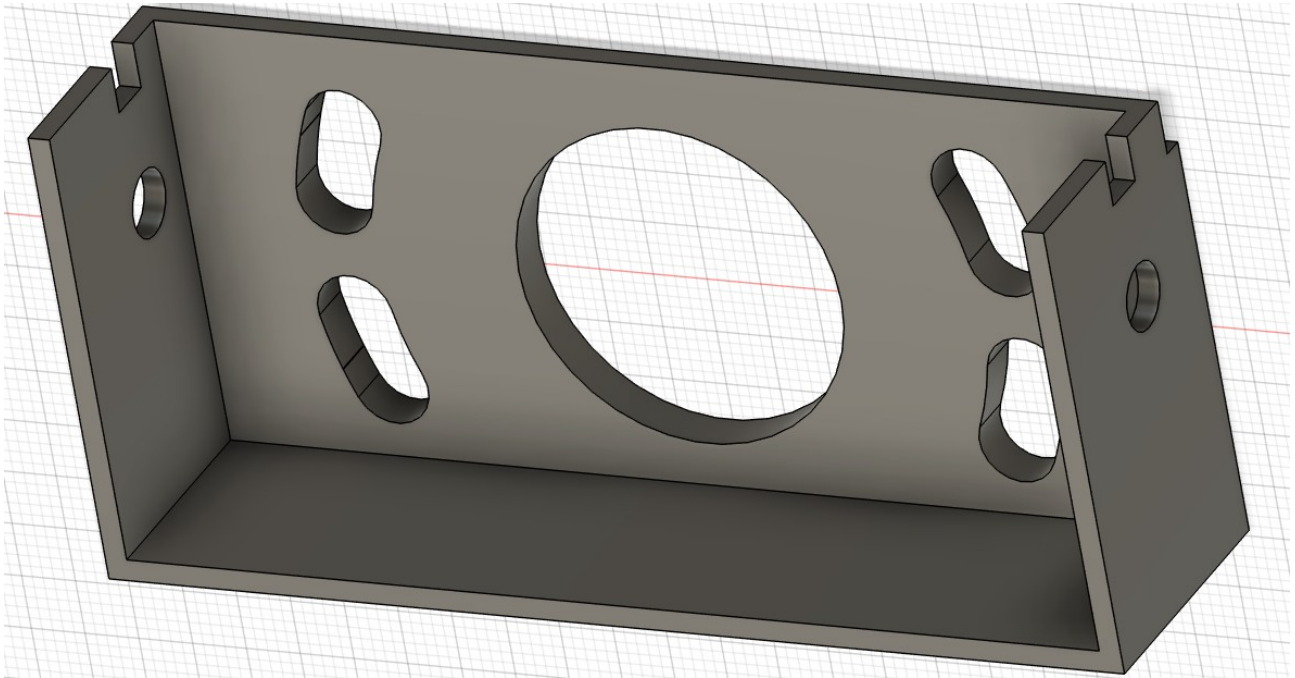
Wall Lamp Body 3D Model



Wall Mount 3D Model

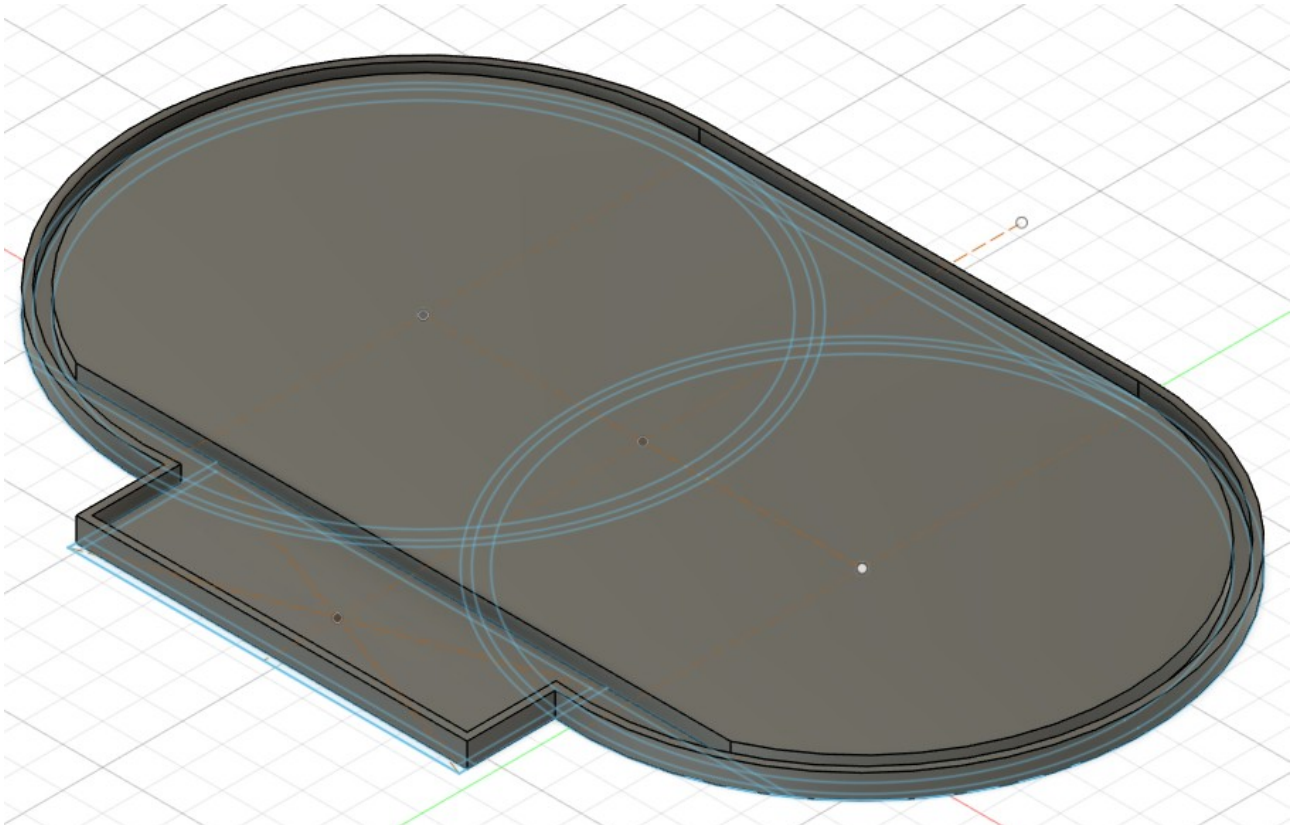
The back thickness is 4 mm

The side thickness is 2 mm.



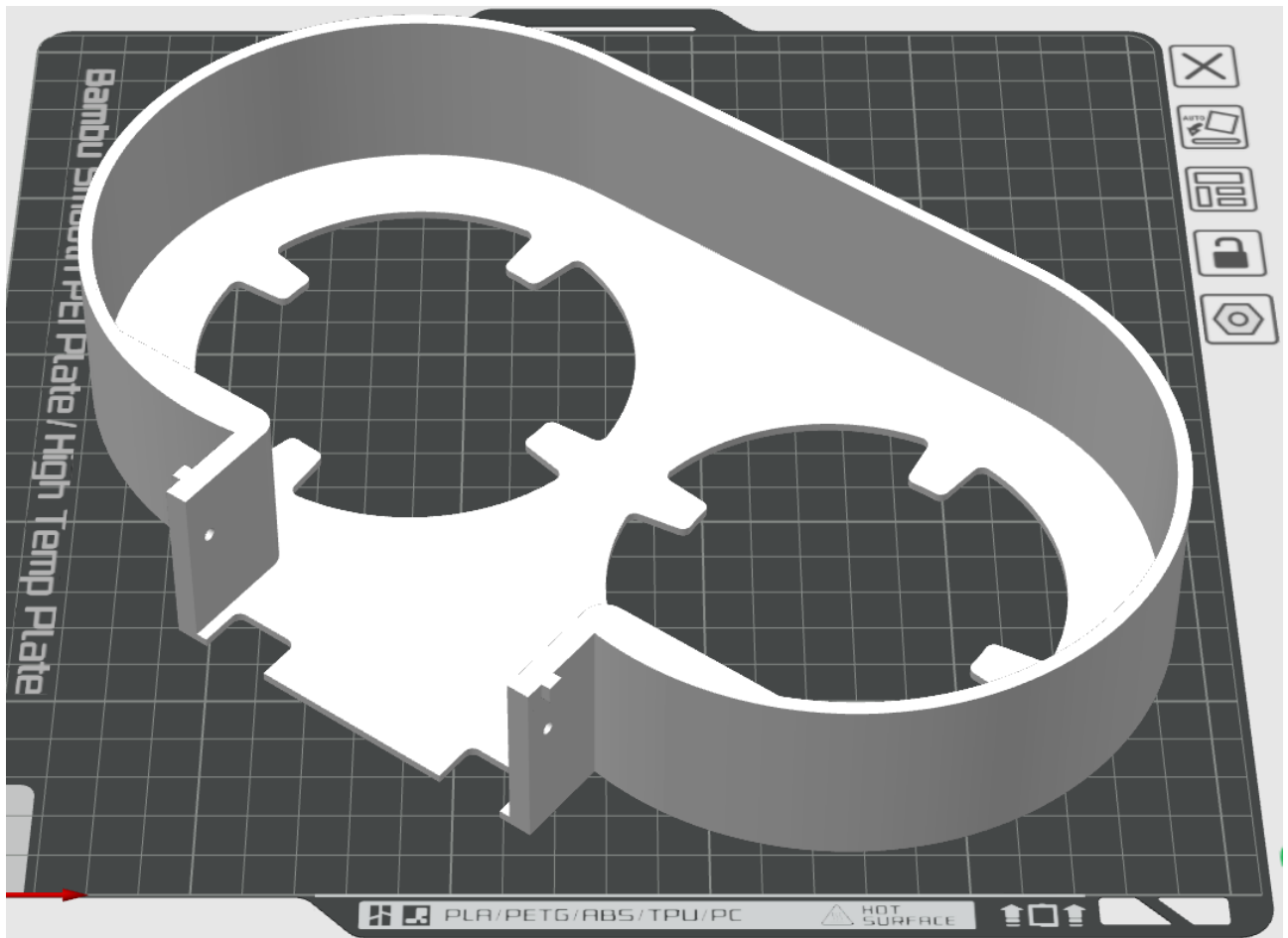
Wall Lamp Cover 3D Model

The base thickness is 6 mm. This ensure a good rigidity to the cover.

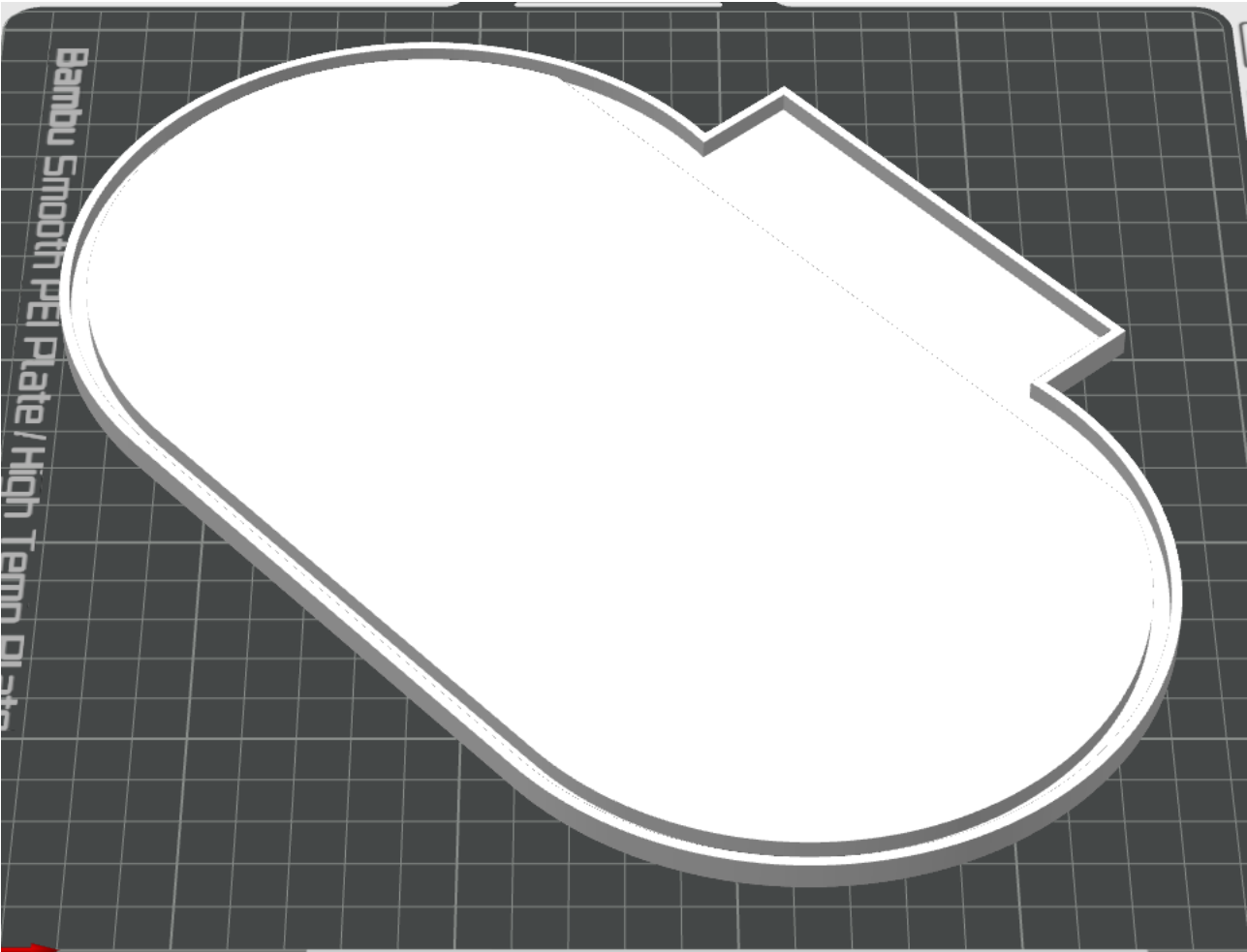


3D Printer Layout

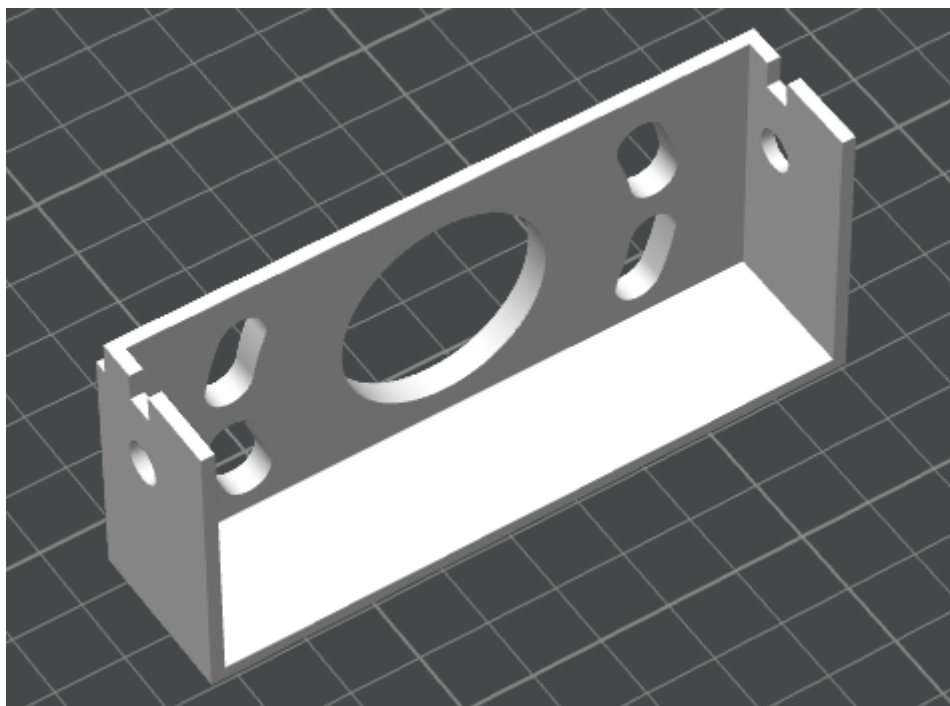
Wall Body



Cover



Wall Mount



Final Result



References

Recessed Lamp

These are the Recessed LED Lights I have used for the project.

<https://amzn.eu/d/hiAGEYF>



Tomosu Faretto LED da Incasso per Cartongesso, 5W 450LM Luci da Soffitto Interno, Luce Calda 2700-3000K, Faretto led incasso IP44, Diametro Foro Ø75-90mm, AC 220-240V, Set di 10 [Classe di efficienza energetica F]

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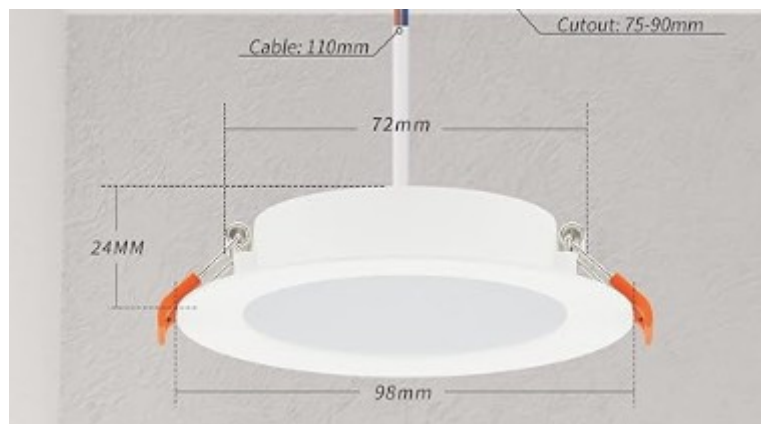
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Recessed LED Lamp Size



Diameter: 72 mm

Maximum diameter: 98 mm

Height: 50 mm