



Philips Hue Signe Clone



powl31

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Summary

DIY Philips Hue Signe lamp using a Wemos D1 Mini (ESP8266) board and a 10mm LED strip

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I really loved the Philips Hue Signe lamp on first sight, but did not want to spend the 200+€ on it. So, I decided to build my own using an ESP8266 microcontroller and WS2812B / NeoPixel LED strips.

This design was created from scratch, but was heavily inspired by the [great design by TC](#).

Bill of materials:

- Wemos D1 Mini (ESP8266)
- 2x Wago 221-413
- KeyStone Module (e.g. USB-C)
- 3x M3 Heatset Inserts (5mm x 4mm, Voron Standard)
- 3x M3x10 SHCS screws
- 16mmx16mm LED profile (e.g. [this](#))
- 10mm width LED strip

- Some cables

The LED profile should be a press fit, but I added a hole to fix it using a M3x16 BHCS screw. To do that you will have to drill a hole in the profile at the respective spot. Since there is not a lot of room there, the screw will directly go into plastic, so it should be carefully tightened. **I did not test this yet, so any feedback is appreciated.**

Dimensions used for hole sizes and the Wago mounts follow the Voron Design principles, so printing in ABS is advised. Other materials might also work, but aren't tested yet.

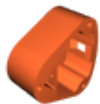
This remix is based on



Philips Hue Signe (Clone)

by TC

Model files



top.stl



bottom.stl

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