



LED stand for LASER engraved glass sheets



arminth

[VIEW IN BROWSER](#)

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Summary

This is a customizable stand for lighting laser engraved glass sheets as found in cheap photoframes. You can select...

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Tags: [stand](#) [esp32](#) [rgbled](#) [laserengraving](#)

This is a customizable stand for lighting laser engraved glass sheets as found in cheap photoframes. You can select the width and the thickness of the sheet to get a perfect fit. Don't go overboard with the sizes as it will always be only 40mm deep and the LED strip is 8mm so I would say it is maxed out at 5-6mm thickness.

You can find the sourcecode at my github page for an ESP32 of your choice. <https://github.com/arminth/LED-Strip-WS812b-288-ESP32/tree/LED-Stand>

It uses PIN5 for the datapin.

Normal neopixelstrips can be used. Just adjust the main.cpp according to your needs in terms of number of LED and brightness. Be aware of the power consumption! Each LED can draw up to 60mA max which adds up pretty quickliy! So use an appropriate 5V powersupply or reduce maximum brightness in code.

The ESP tries to connect to your WiFi. If it can't, it will open it's own accesspoint (Password 12345678), where you can configure your Wifi.

On boot, the LEDs signal the actual Wifi status (green blinks: Wifi connected, blue blinks access point mode).

When you are connected, you have access via webbrowser to the assigned IP adress and you can choose the effect you like. There are several modes already integrated including the famous firemode from Dave Plummer (see his channel on youtube Dave's garage for more awesome stuff) and others.

If you create new cool effects, please let me know and share them!

If you find bugs in the software (which you probaly will), please open an issue on github.

As always: Have fun!

Print Settings

Printer Brand:

Creality

Printer:

Ender 3

Rafts:

No

Supports:

No

Resolution:

0.2

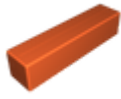
Infill:

25%

Filament: Noyes PLA+ black

Category: Decor

Model files



stand_upper.stl



stand.scad



lid.stl

[Find source .stl files on Thingiverse.com](#)

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