

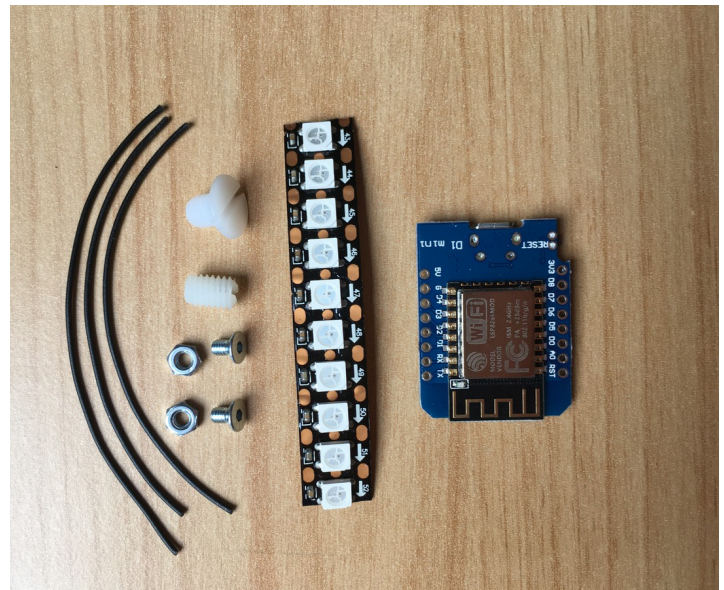
Tally Light Case



This Tally light works with a LED strip with 10 LED's in the case, working as a round lamp. So everyone can see if a camera is on preview of program.

These things are needed

- three short wires
- 2x M3x5mm DIN7991 screw
- 2x Hexagon M3 nut DIN934
- 1x Screw (plastik) M6x8 DIN963 maybe to hold the hot shoe
- 1x setscrew M6x8 DIN551
- 1x piece LED Stripe (144LED/m) 10LED's long
- 1x Wemos D1 mini



Tools

- Soldering tool + tin-solder
- 3-D Printer of printed cases
- Screwdriver
- glue



3D – Print cases

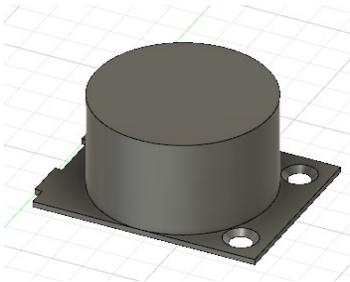


Schaubild 1: LED Deckel

This is the top part and should be printed in a transparent color.

File: LED Deckel geschlossen.stl

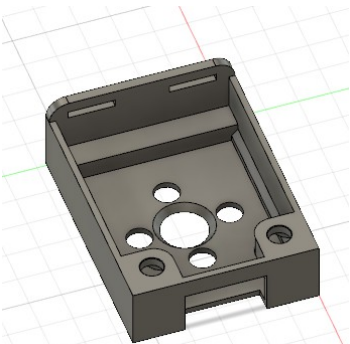


Schaubild 2: Körper1

This is the main Body. In this body is the Wemos D1 placed and the “LED Deckel” is placed on top.

Below the hot shoe can be fixed with the defined screws and the body can get turned in 4 positions to make sure the cable for the power does not bother during any camera operation

File: Körper1.stl

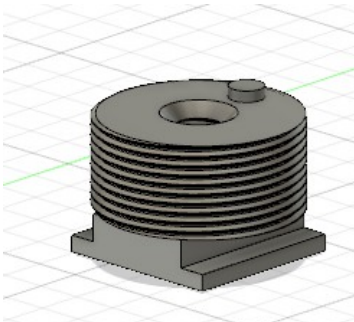


Schaubild 3: Blitzschuh

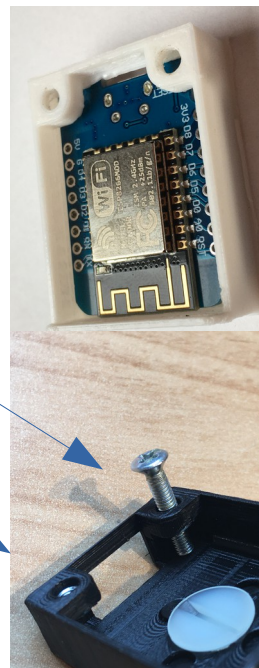
The hot shoe has a metric thread in the middle which goes through the whole body of the shoe. This gives the possibility to fix it somewhere. At the outside there is a M22 thread as well if someone wants to fix it from the outside.

File: Blitzschuh mit Aussengewinde v2.stl

Mounting parts

The Wemos D1 mini is placed in the main body with the USB port downside.

Place the screw nut below the whole, there is a hexagon section and fix the nut with some glue



Put together the main body and the hot shoe using the M6 plastic screw. You can choose 4 positions in a circular to put on the main body on the hot shoe. Careful by tightening the screw! Do not put it to tight and brake your thread.

Solder the LED stripe:

Put on each contact one short cable (look to the arrow: solder on left side of the arrow direction showing to the right side!)

solder connection between LED Stripe and Wemos:

GND → G
+5V → 5V
DIN → D7

setup software of the Wemos

place LED Stripe inside the LED top part and round it before you put it inside

put everything together like it is shown.

Put is the little M3x5 screws and close the top part carefully.

Congratulation!
Your Tally light is mounted!

