

Casalux Wifi LED RGB Light Strip

ALDI-Süd 2022-01-06 9,99 € in local store



Product Description

- 150 x RGB LED including color change function
- 9,6 W
- Length about 5 m
- self adhesive
- Dimmable
- Color selectable
- 8 pre-programmed light scenes
- Timer function
- Internet access per 2,4 GHz Wi-Fi network is necessary to operate all available features
- App to download by QR code printed on package
- Remote control with battery included
- Direct connection of strip and Smartphone via Internet (no additional gateway needed)
- Strip operation supported via app for free per voice control or per IR remote control
- Via app usable features:
 - Color: select color / brightness / saturation
 - Scene: 8 pre-programmed light scenes
 - Timer: time control for automatic on or off switching
 - Schedule: automatic on and off switching nach according to time plans

Technical Data

Product name: Wifi LED RGB Light Strip
Articel number: 711151
Model: 9A22019

LED strip

Supply voltage: 12 V
Power consumption: 12 W
Protection: IP20

Receiver

Input voltage: 12 V
Output voltage: 12 V
Output current: 3× max. 2 A
Protection class: III/

Power supply

Input voltage: 200–240 V AC, 50/60 Hz
Input current: 0,5 A
Output: 12 V, 1000 mA, max. 12 W
Protection class: II/

Remote control

Transmission: Infrared
Battery supply: button cell (CR2025, 1,5 V)

WiFi

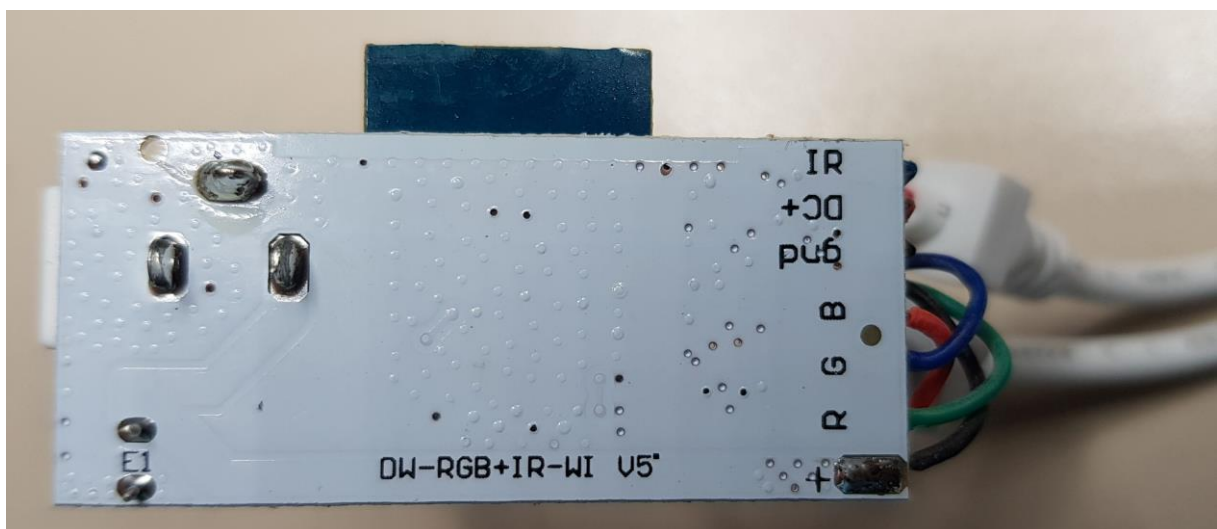
Frequency: 2,4 GHz ISM Band
Max. transmission power: <20 dBm

Product Views





To **open Controller Case** for flashing other Firmware please insert small blade or flat screw driver between bottom lid and side walls of the box – turn the tool a little bit to get a gap and repeat this all around until it's open.





IR remote control receiver and LED strip connector.

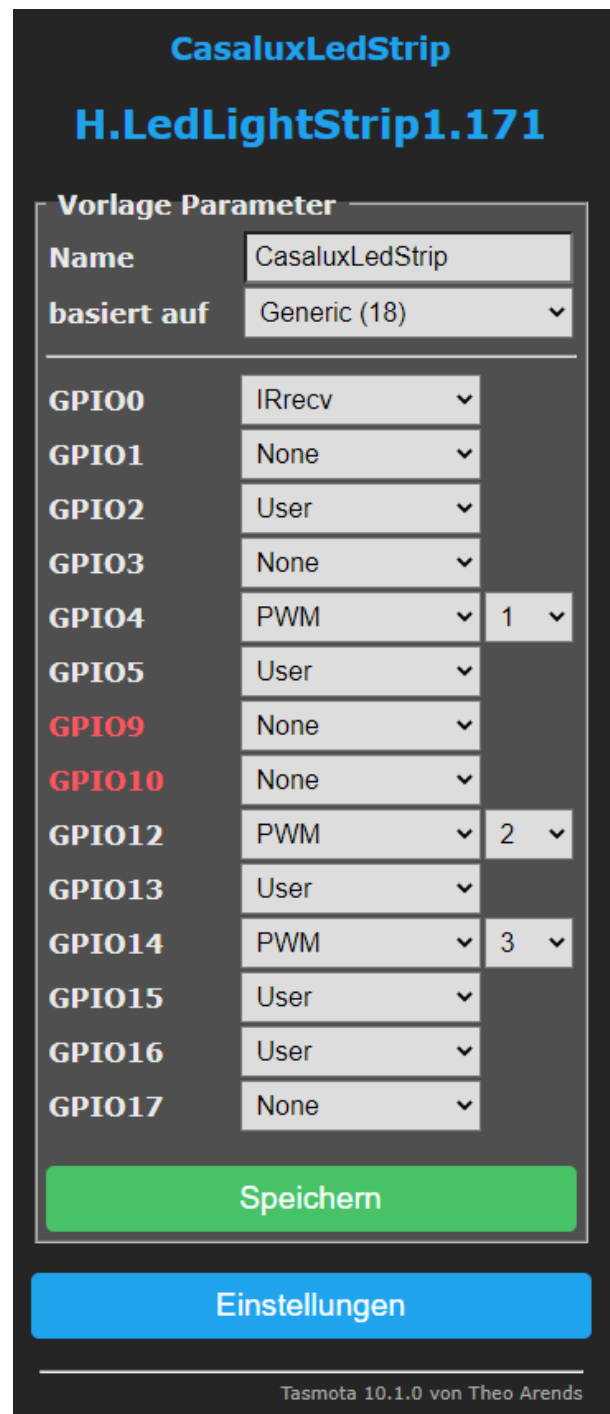


IR remote control by 24 keys.



Power supply 230 VAC euro plug.

Tasmota Web Interface



```
{"NAME":"CasaluxLedStrip","GPIO":[1088,0,1,0,416,1,0,0,417,1,418,1,1,0],"FLAG":0,"BASE":18}
```

Per Infrared Remote Control received telegrams

```
23:02:42.516 MQT: tele/H.LedLightStrip1/RESULT =  
{ "Time": "2022-01-10T23:02:42",  
  "IrReceived": { "Protocol": "NEC", "Bits": 32, "Data": "0x00ABCDEF" } }
```

By port GPIO 0 = IRrecv (1088) a new key press generates a telegram to be received according to above scema and following field

"Data": "0x00F7hhh".



00F700FF	00F7807F	00F740BF	00F7C03F
00F720DF	00F7A05F	00F7609F	00F7E01F
00F710EF	00F7906F	00F750AF	00F7D02F
00F730CF	00F7B04F	00F7708F	00F7F00F
00F708F7	00F78877	00F748B7	00F7C837
00F728D7	00F7A857	00F76897	00F7E817

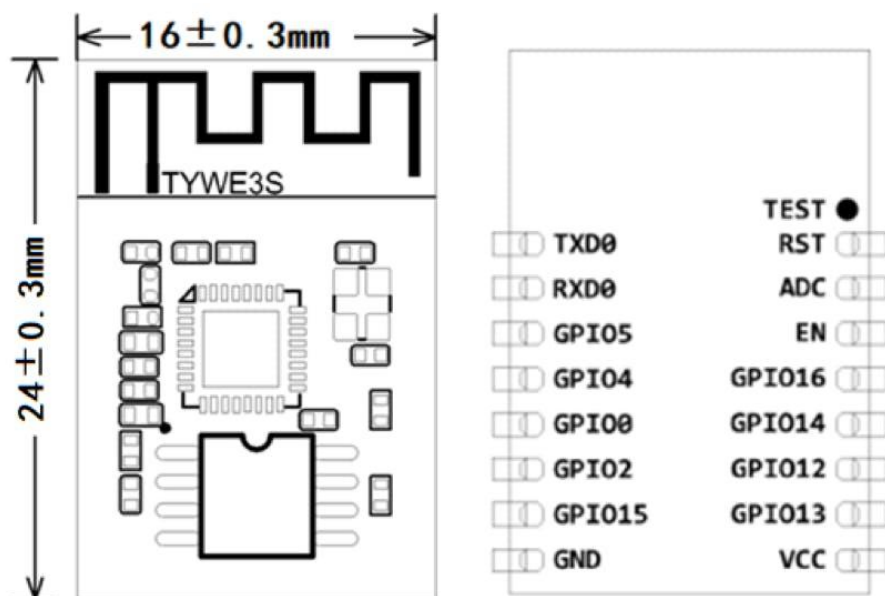
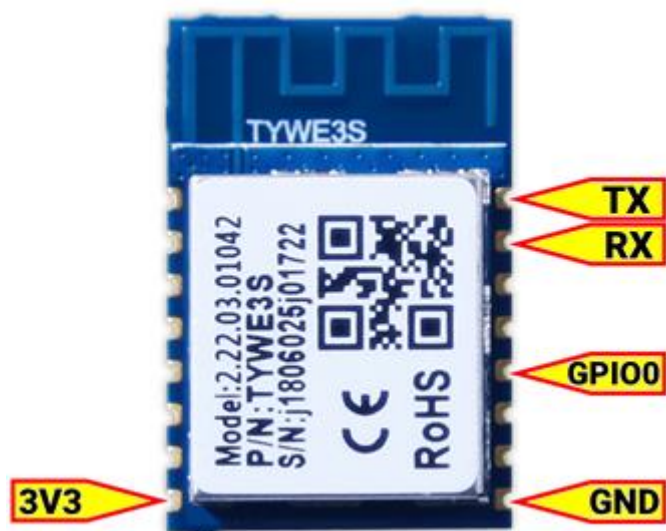
Bright +	Bright -	OFF	ON
Red	Green	Blue	White
			FLASH
			STROBE
			FADE
			SMOOTH

If the key is hold, periodically an additional telegram with following fields

"Bits": 0, "Data": "0xFFFFFFFFFFFFFFFF" is produced.

Processor modul Tuya TYWE3S

- Chip ESP8266
- 2 MB Flash Memory
- May be flashed by configuration 115.300 baud and Mode = DOUT. Therefore the following marked pins can be used.



Pin Number	Symbol	IO type	Function
1	TXD0	O	UART0_TXD
2	RXD0	I/O	UART0_RXD
3		I/O	GPIO 5
4		I/O	GPIO 4
5		I/O	GPIO 0 (Participate in the module power-on initialization process, use with caution)
6		O	GPIO 2 (Used to print module internal information)

7		O	GPIO 15 (Participate in the module power-on initialization process, use with caution)
8		P	Power Reference Ground
9		P	Module Power Pin (3.3V)
10		I/O	GPIO 13
11		I/O	GPIO 12
12		I/O	GPIO 14
13		I/O	GPIO 16 (Use 10K pull-up resistor for use)
14		I	Module enable pin,normal use needs to receive 3.3V
15		AI	ADC port, 10-bit precision SAR ADC
16		I/O	Hardware reset pin (low level effective, internal pull-up resistance)