

```

import serial
import time
# configure the serial connections
ser = serial.Serial()
ser.baudrate = 115200
ser.port = 'COM8'
ser.open()
#
print(ser.name)                # check which port was really
used
print(ser.is_open)
#
while True:
    pwm_wr = b'\x90\xeb\x02\x02\x06\x00'
    ws28_wr = b'\x90\xeb\x06\x02\x0A\x00'
    led = b'\x0E\x00'
    pwm = b'\x00\x04'
    ws2811 =
b'\xff\x00\x00\xff\x00\x00\xff\x00\x00\xff\x00\x00'
    x = pwm_wr + led + pwm
    ser.write(x)
    time.sleep(0.05)
    x = ws28_wr + ws2811
    ser.write(x)
    time.sleep(0.5)
#
# Ramp PWM from 1000 to 2000 roughly 64 steps
#
    for y in range(64):
        z = (y * 16) + 1000
        pwm = z.to_bytes(2,byteorder='little')
        x = pwm_wr + led + pwm
        ser.write(x)
        time.sleep(0.1)
#
    led = b'\x00\x00'
    pwm = b'\x00\x08'
    ws2811 =
b'\xff\x00\x00\x00\xff\x00\x00\x00\xff\xff\xff\x00'
    x = pwm_wr + led + pwm
    ser.write(x)
    time.sleep(0.05)
    x = ws28_wr + ws2811
    ser.write(x)
    time.sleep(2)
#
ser.close()

```