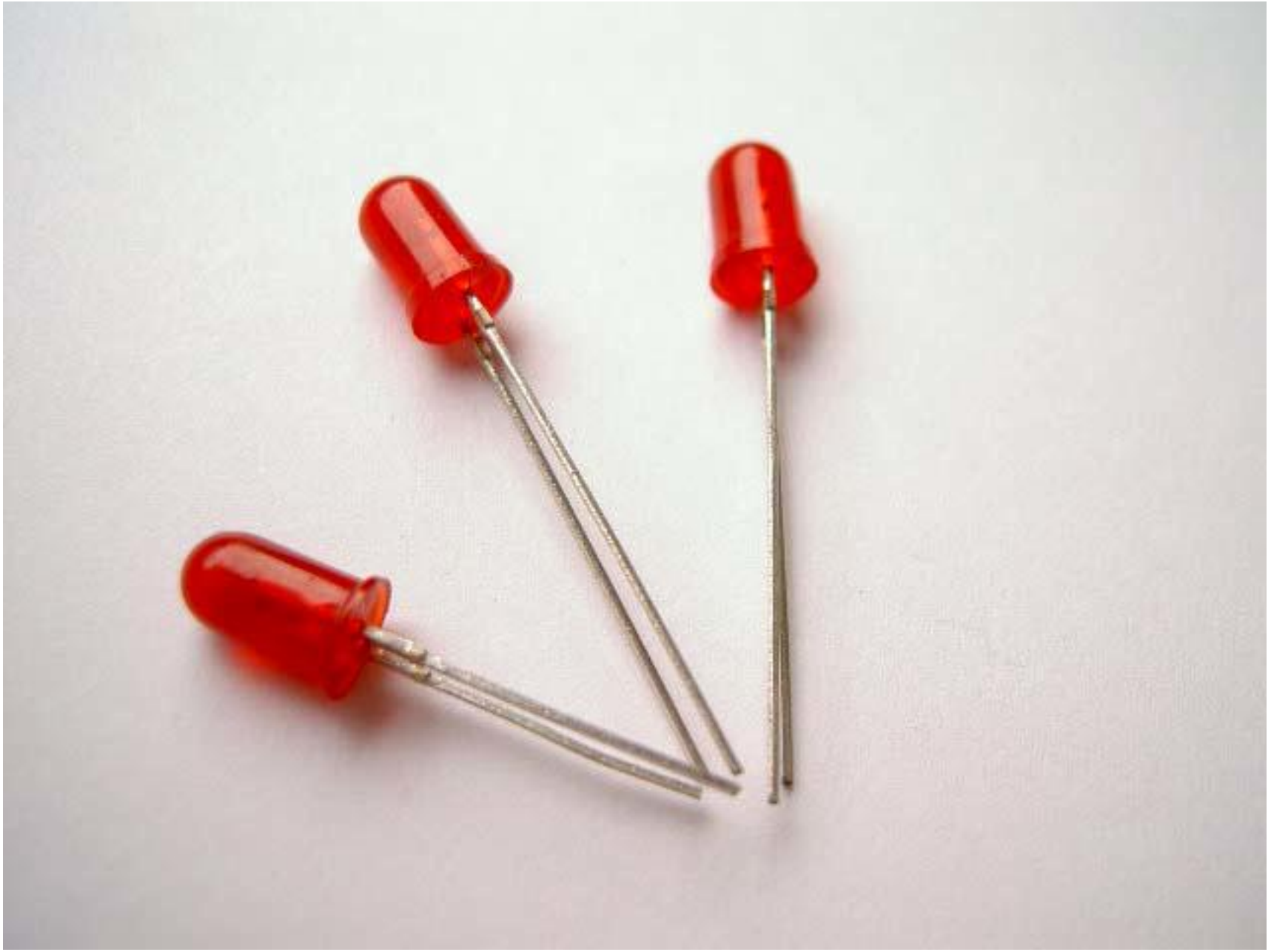
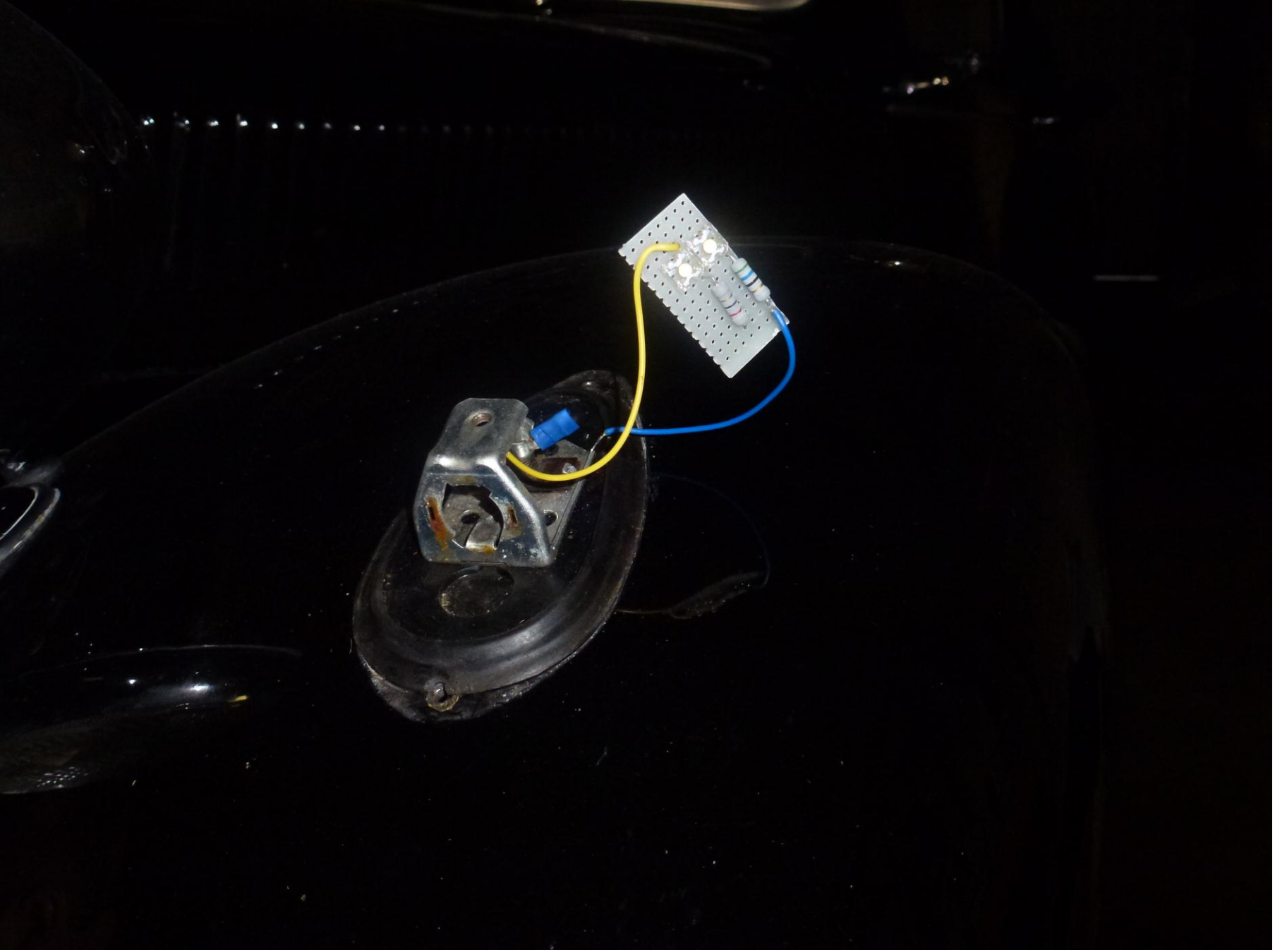
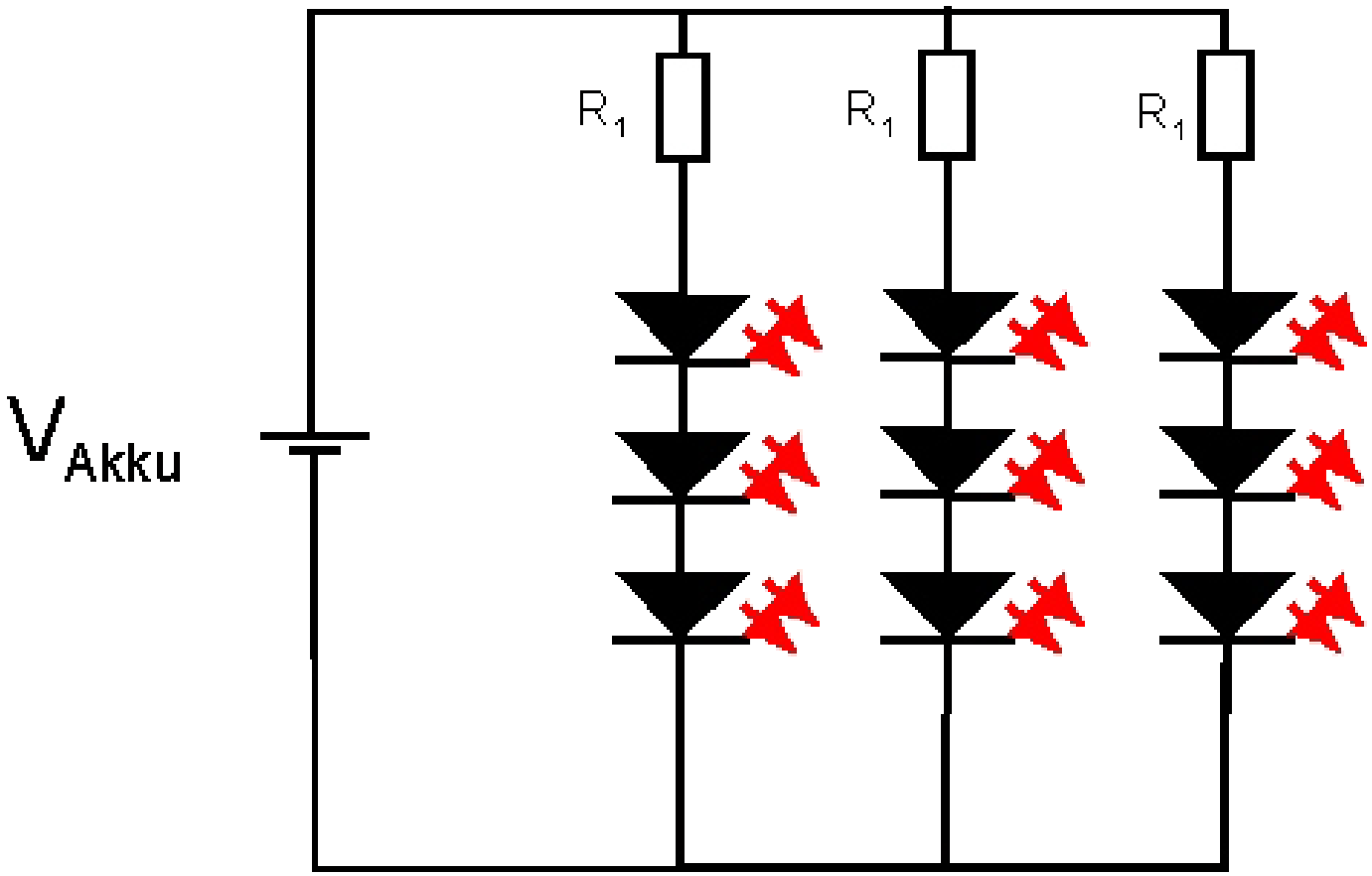
LED knipperlicht

- Theorie
- Berekeningen
- benodigheden
- Bouw
- show





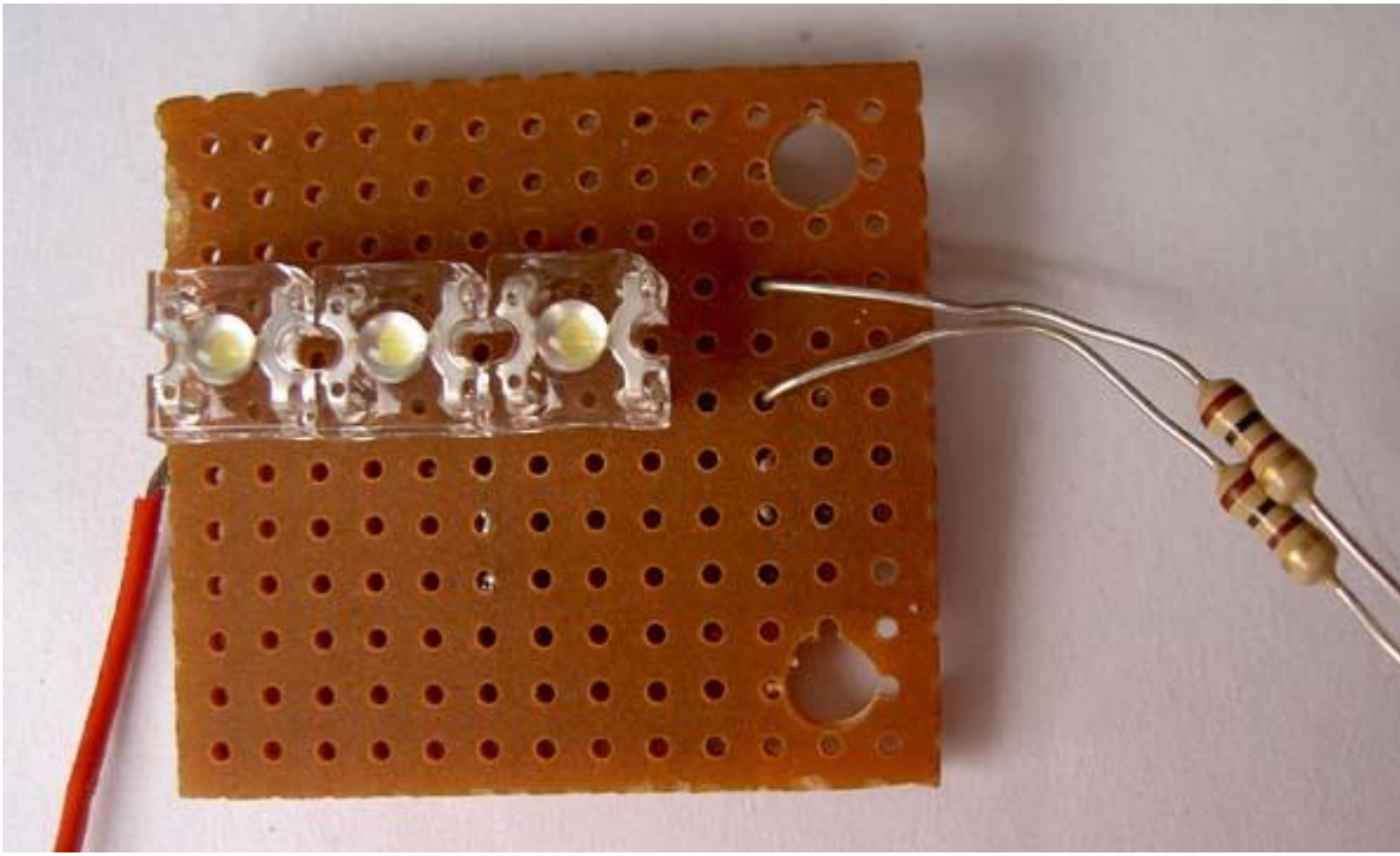

V_{Akku}
R_1
R_1
R_1

Berekening

Bepalend is de stroom: 50 micro ampere

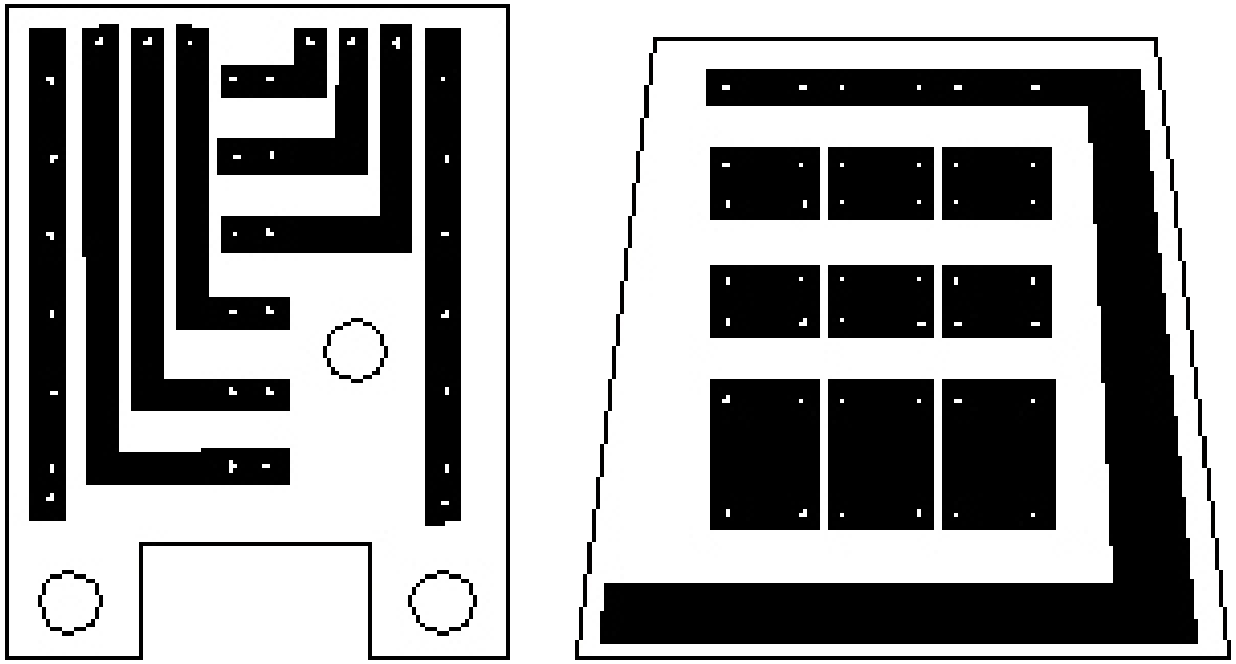
Accuspanning 6 volt
Spanning over LED max 3.3 volt
Over weerstand 6-3.3= 2.7 volt
Weerstand R = V/I: 2,7/0.05=54 ohm

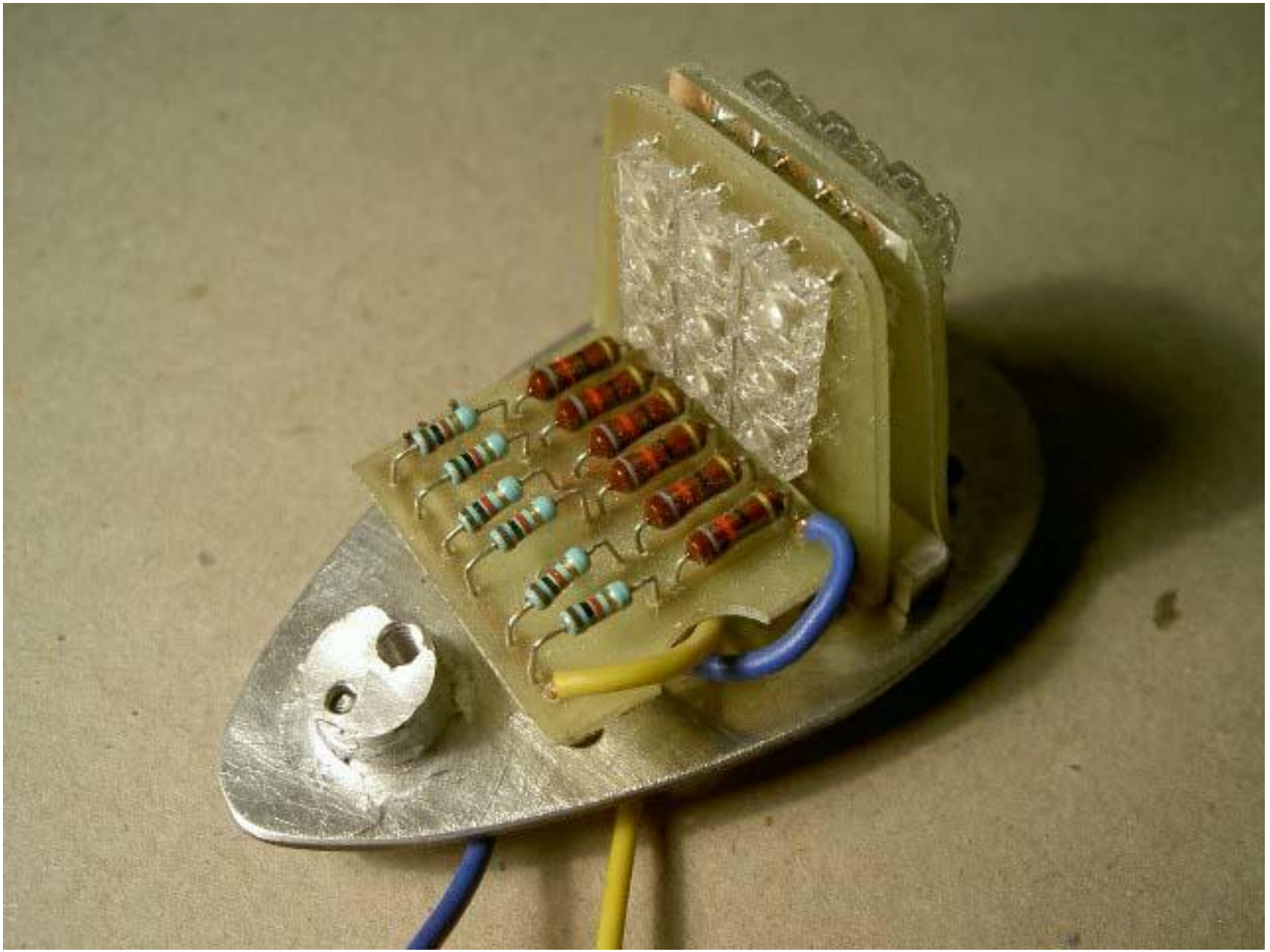
Vermogen IxR weerstand
0.05x2.7= 0,135 watt(0,25)

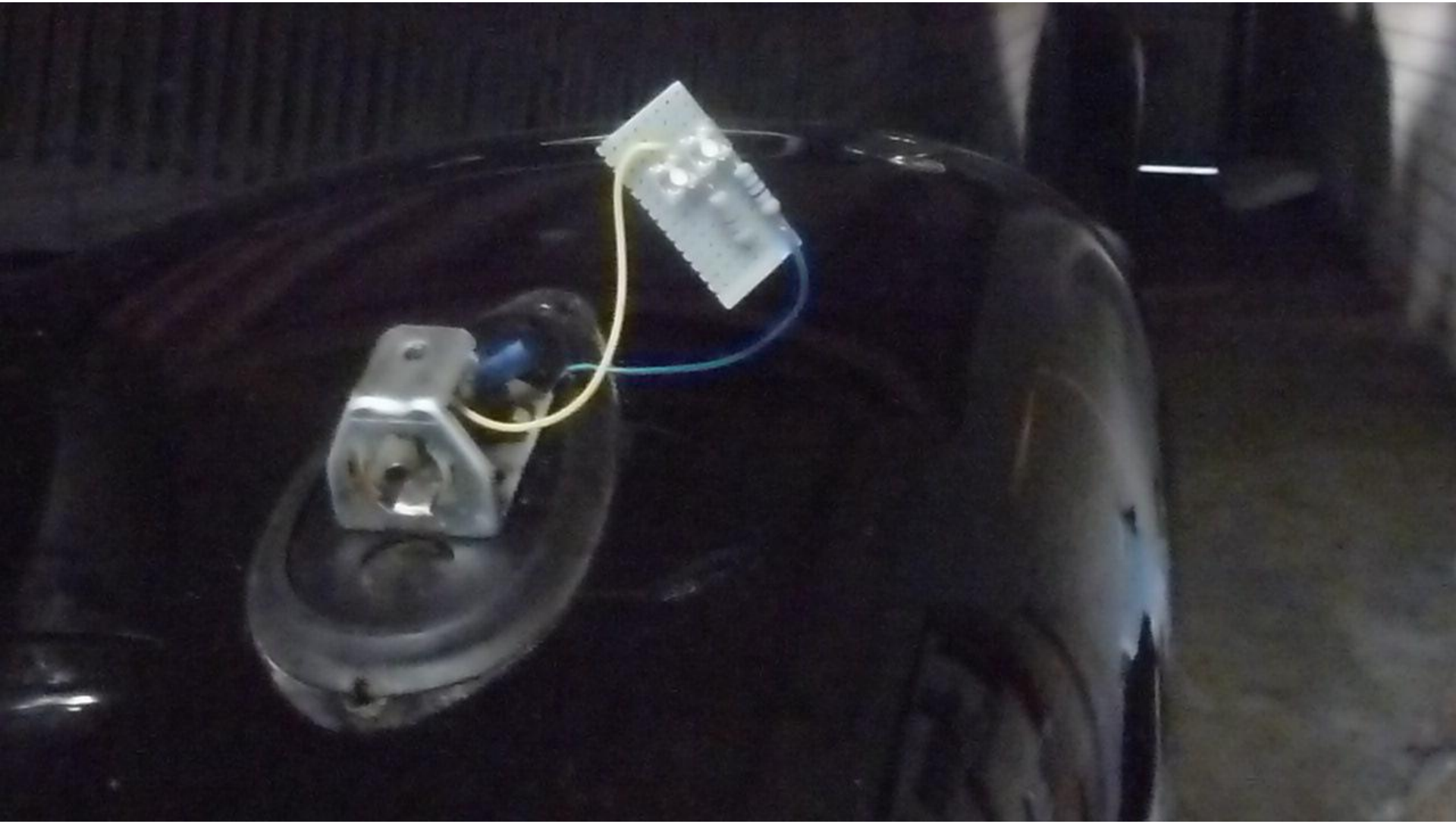


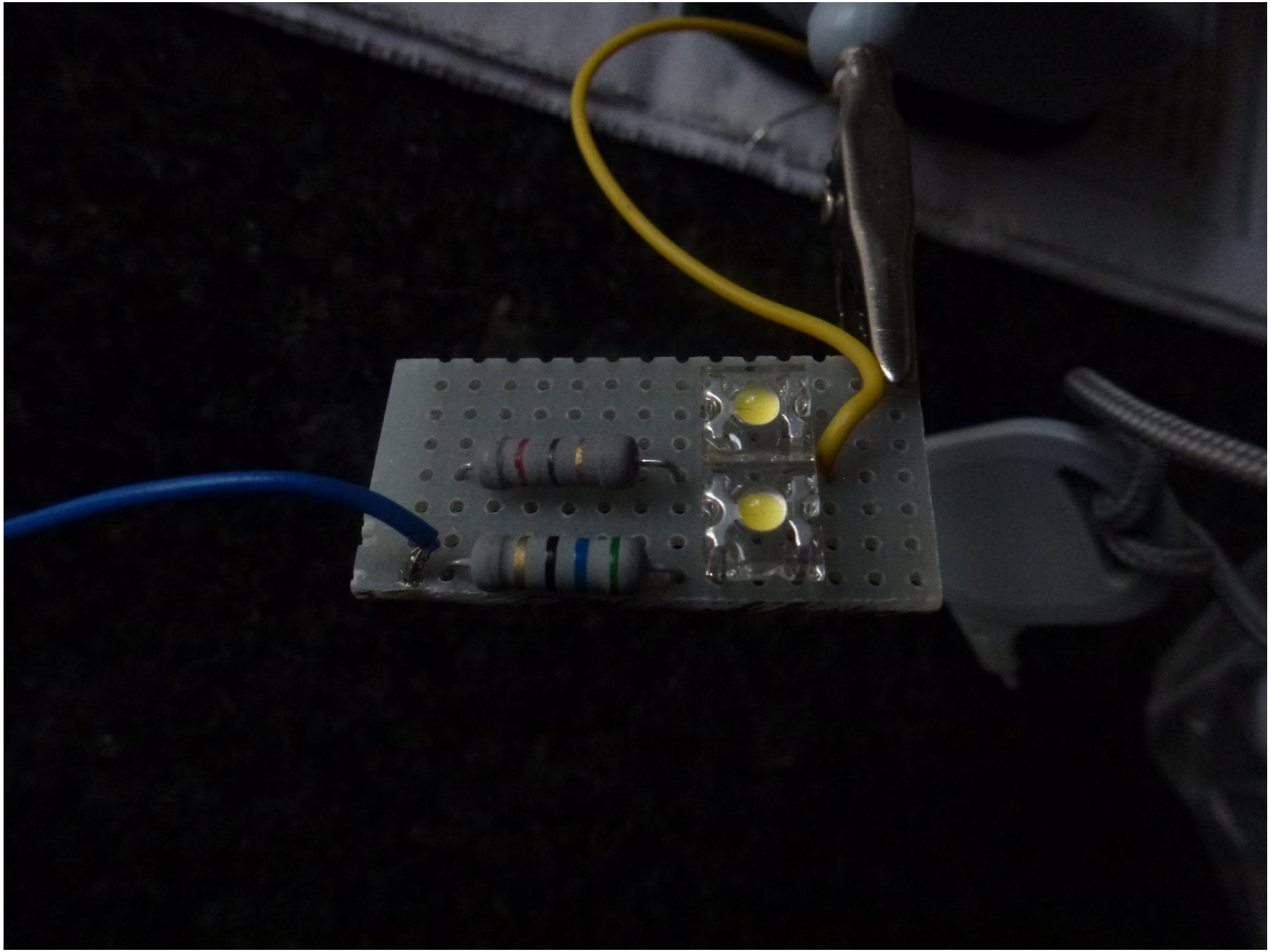
Berekening LED's
1 watt =1.1 Hyperflux LED (20 ct)
warmwit 75 graden

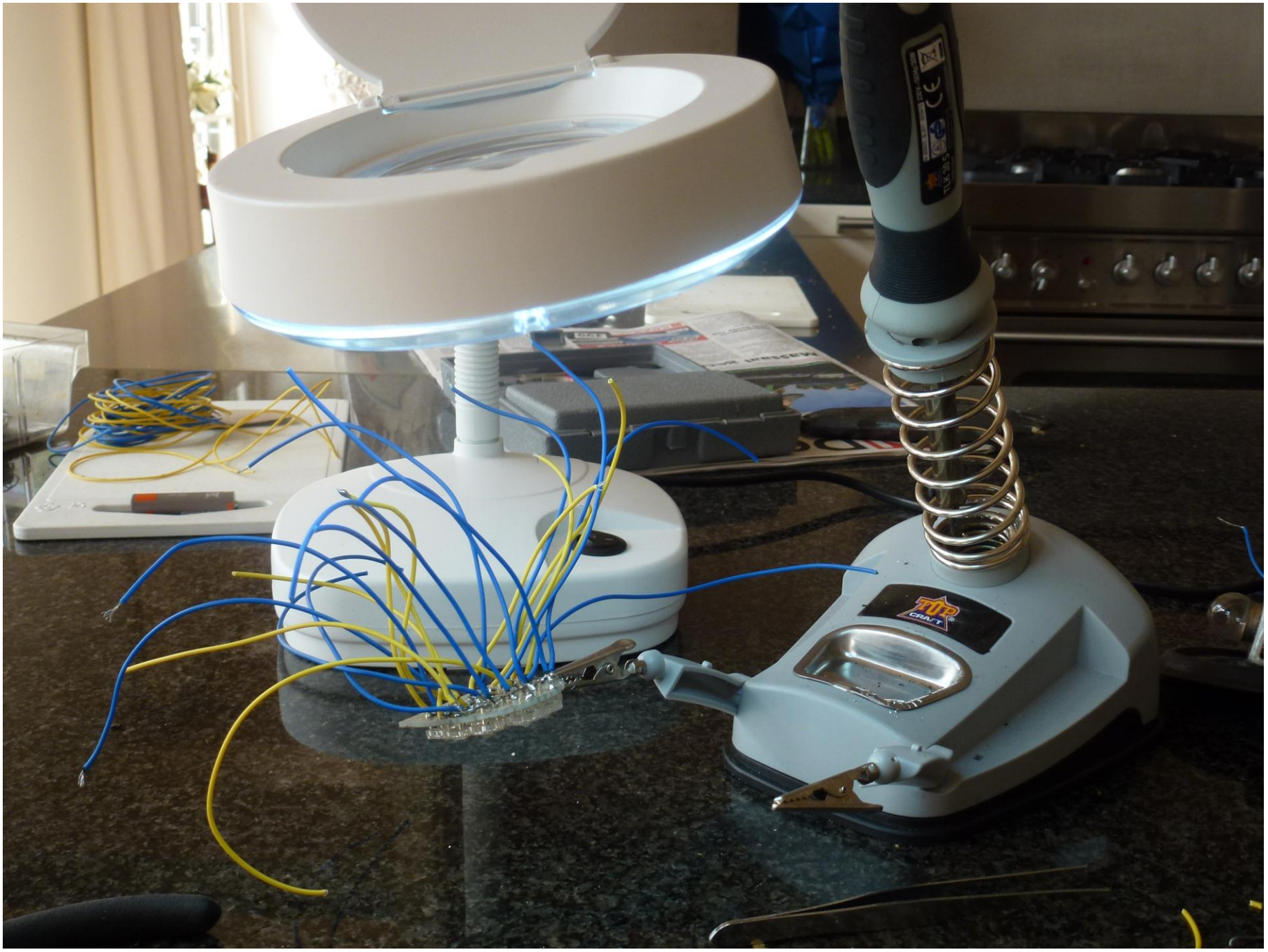
- Achterlicht: 5 watt 5-8 LED
- Remlicht 21 watt 25-30 LED
- Knipperlicht 21 watt 25-30 LED

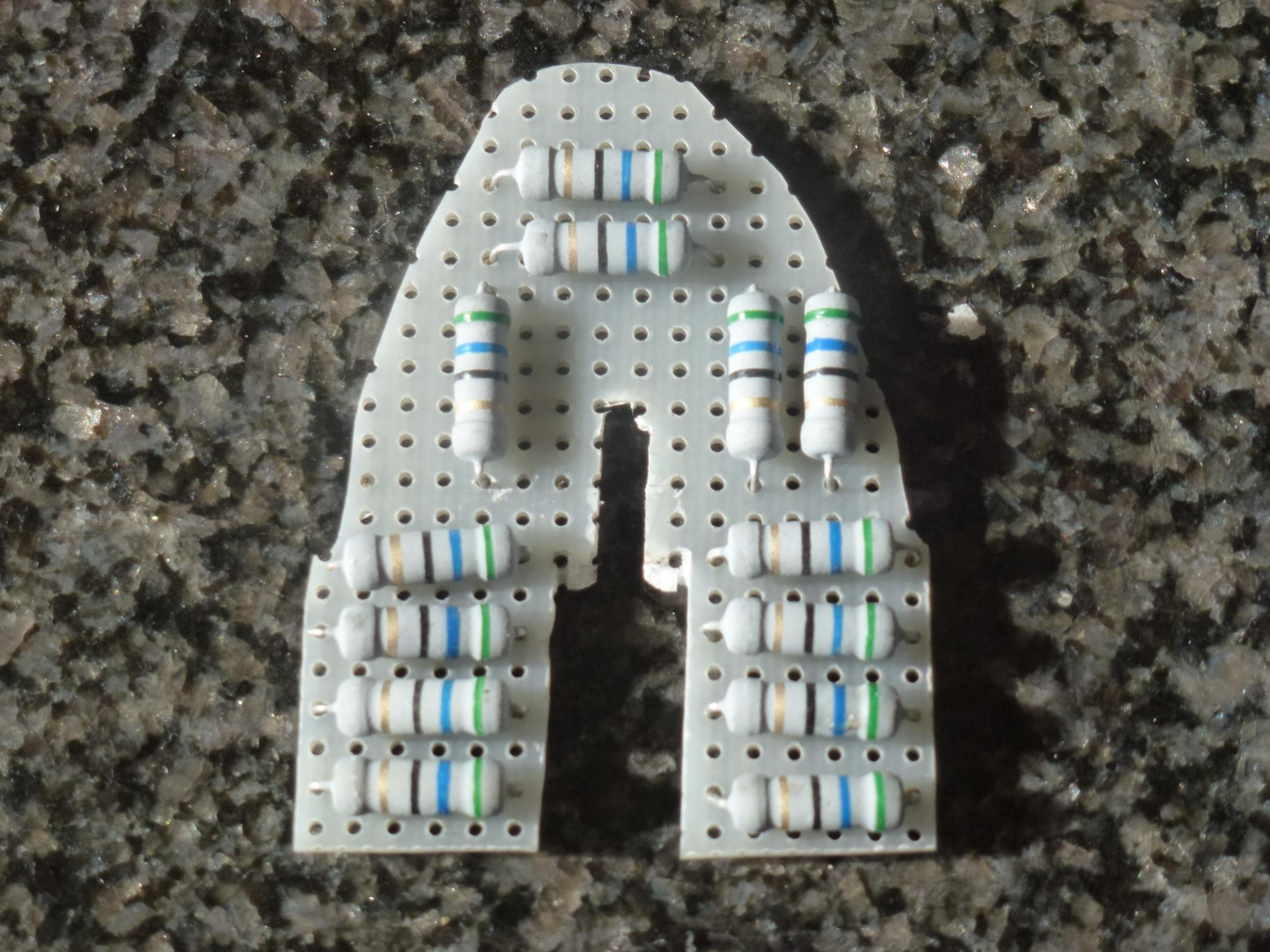


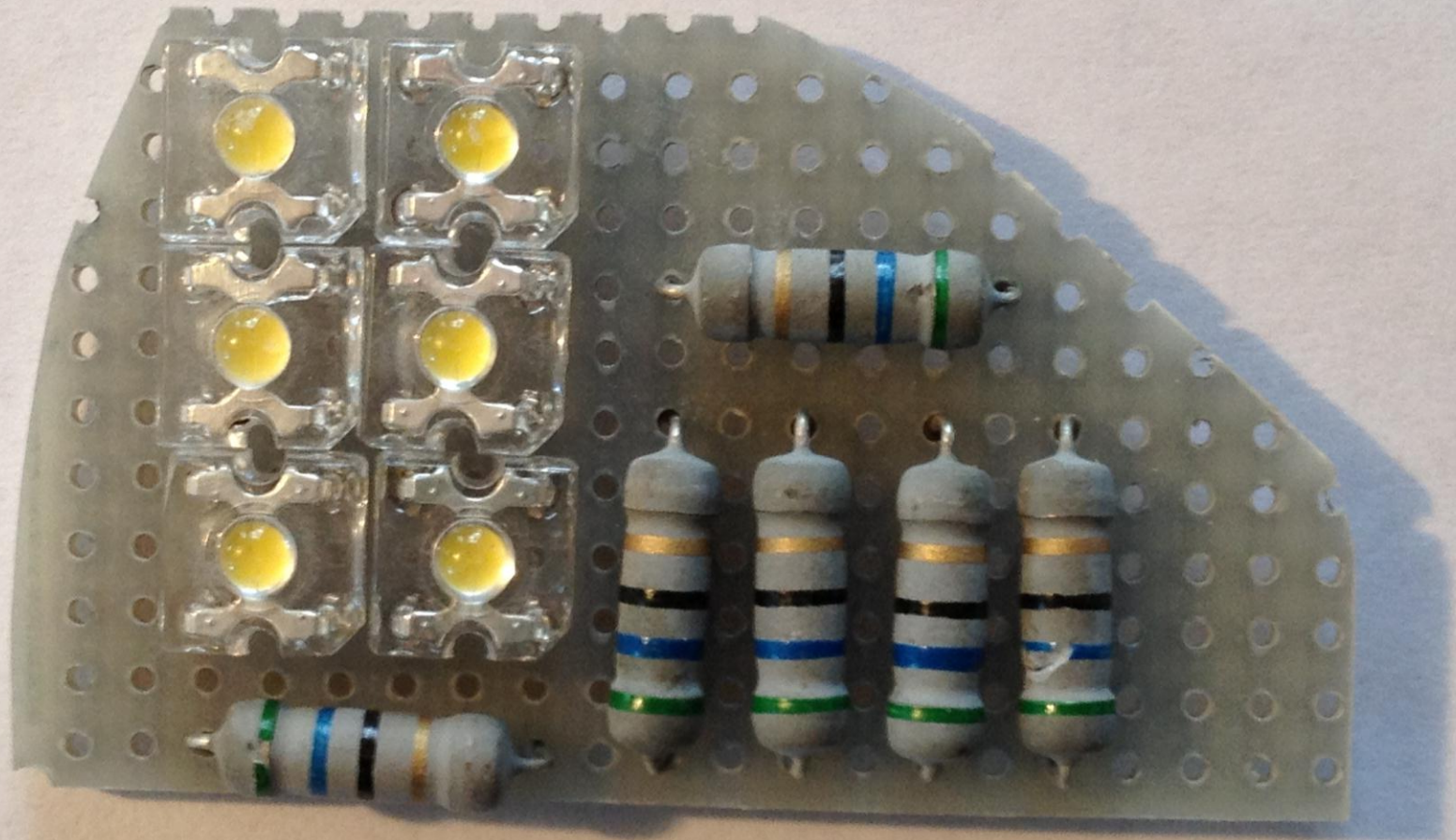


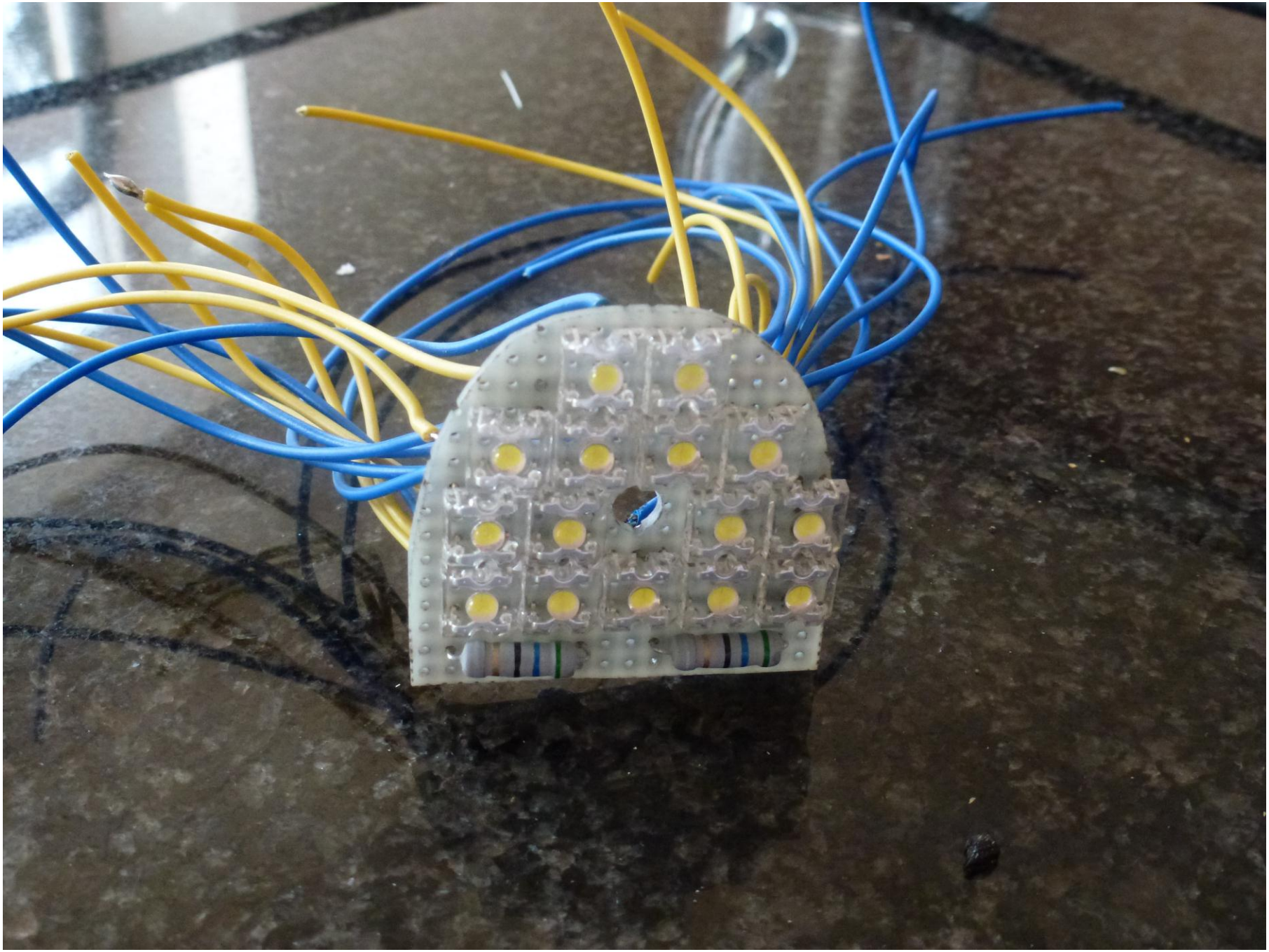


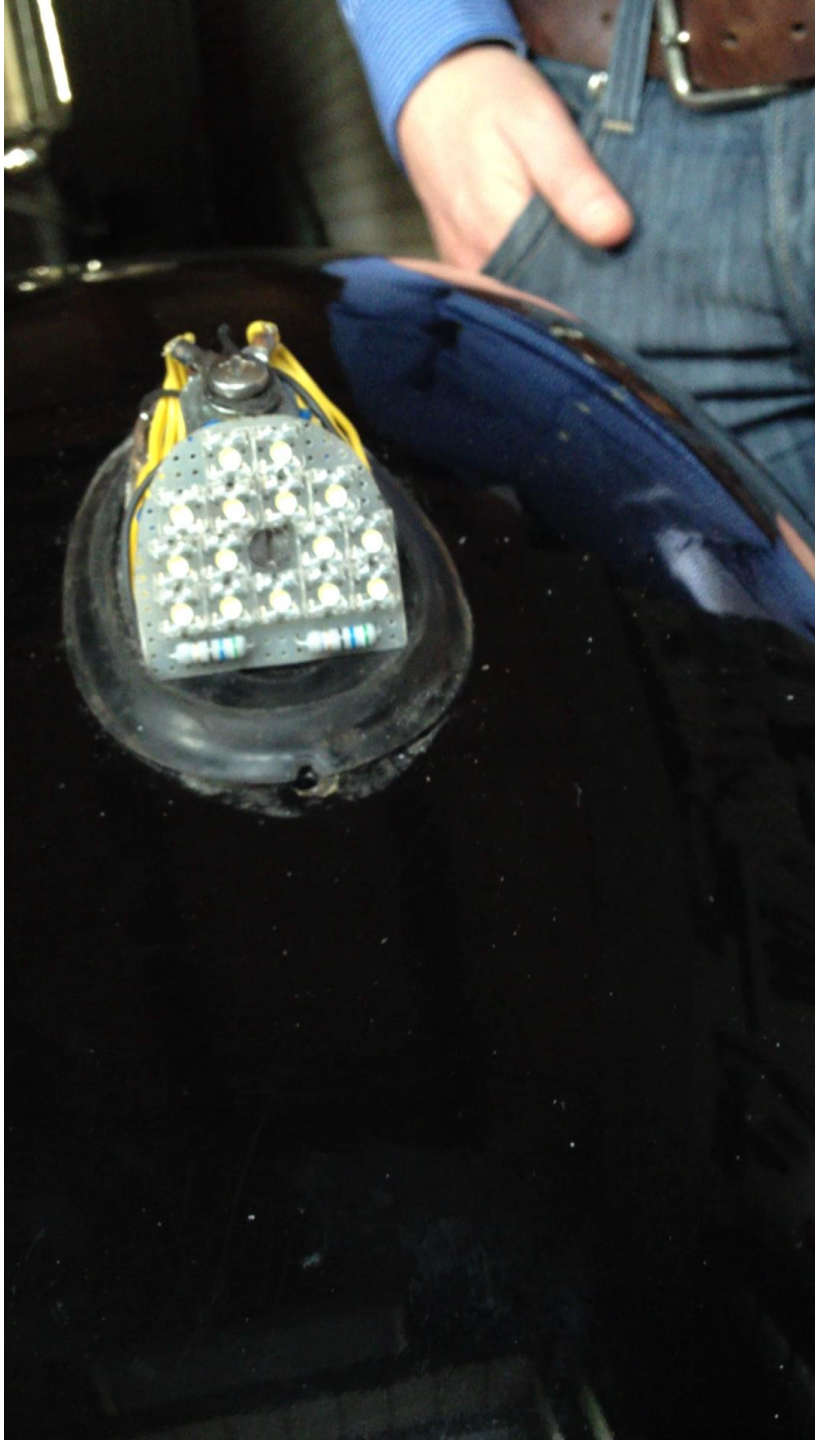


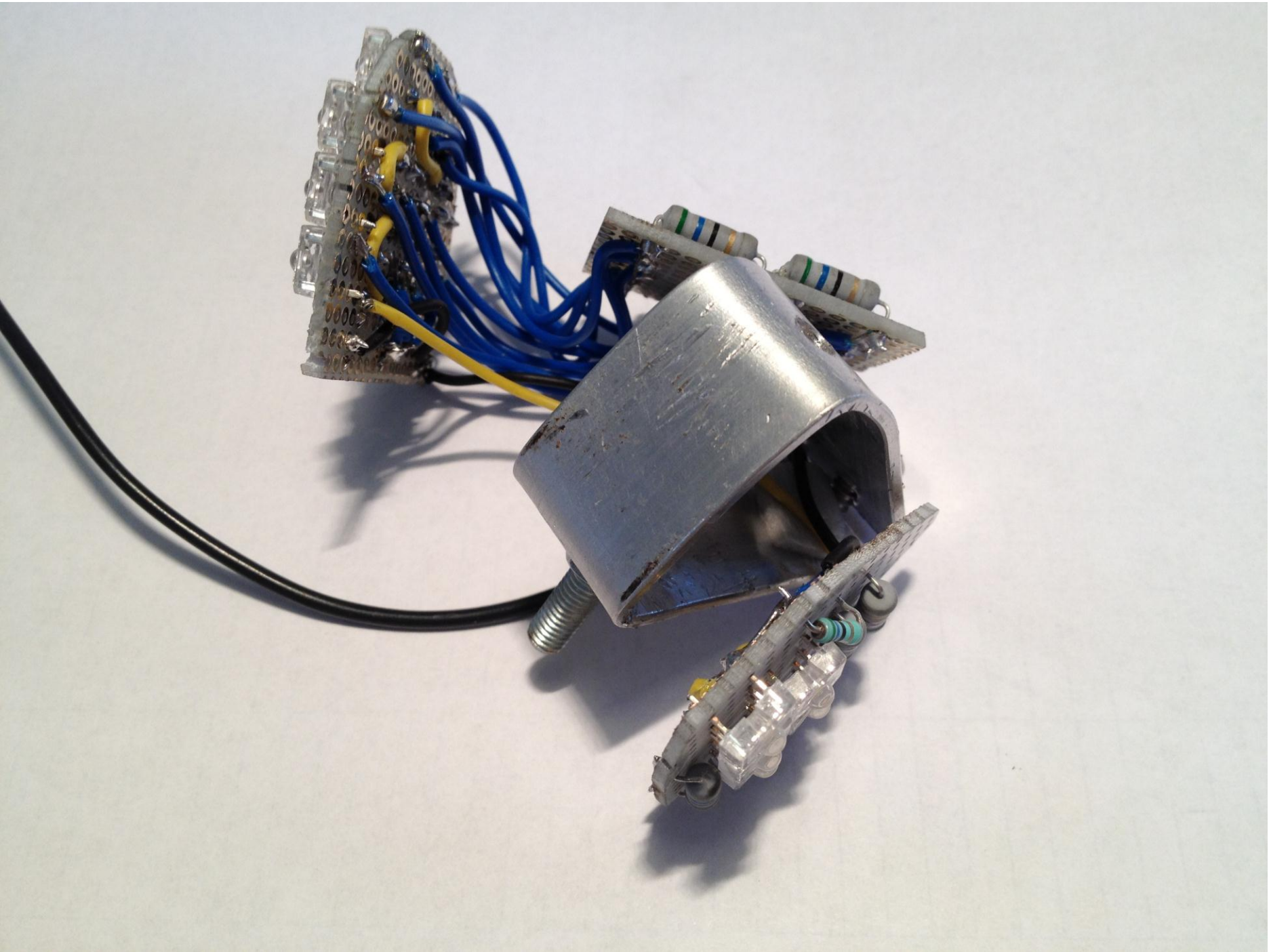


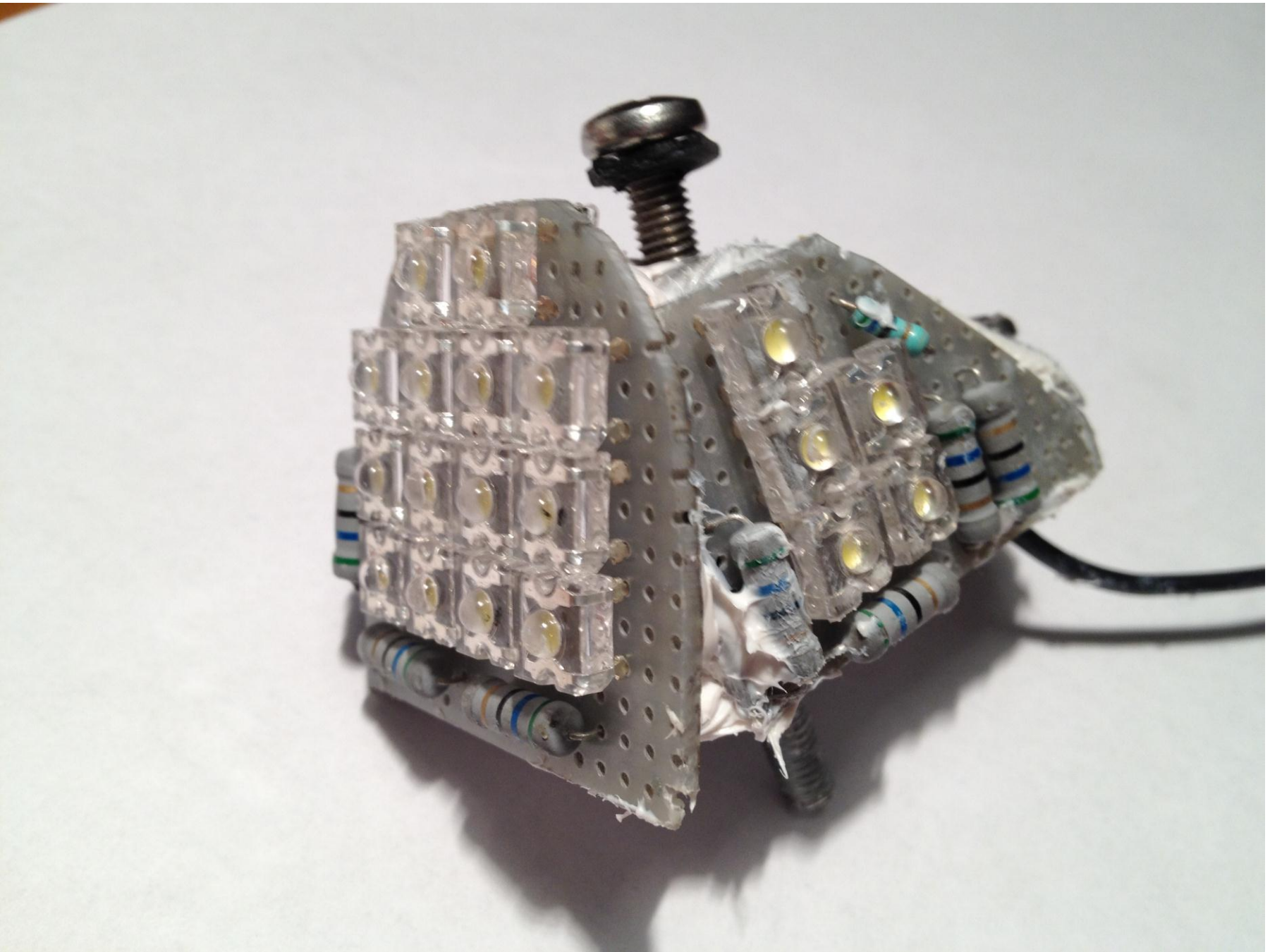


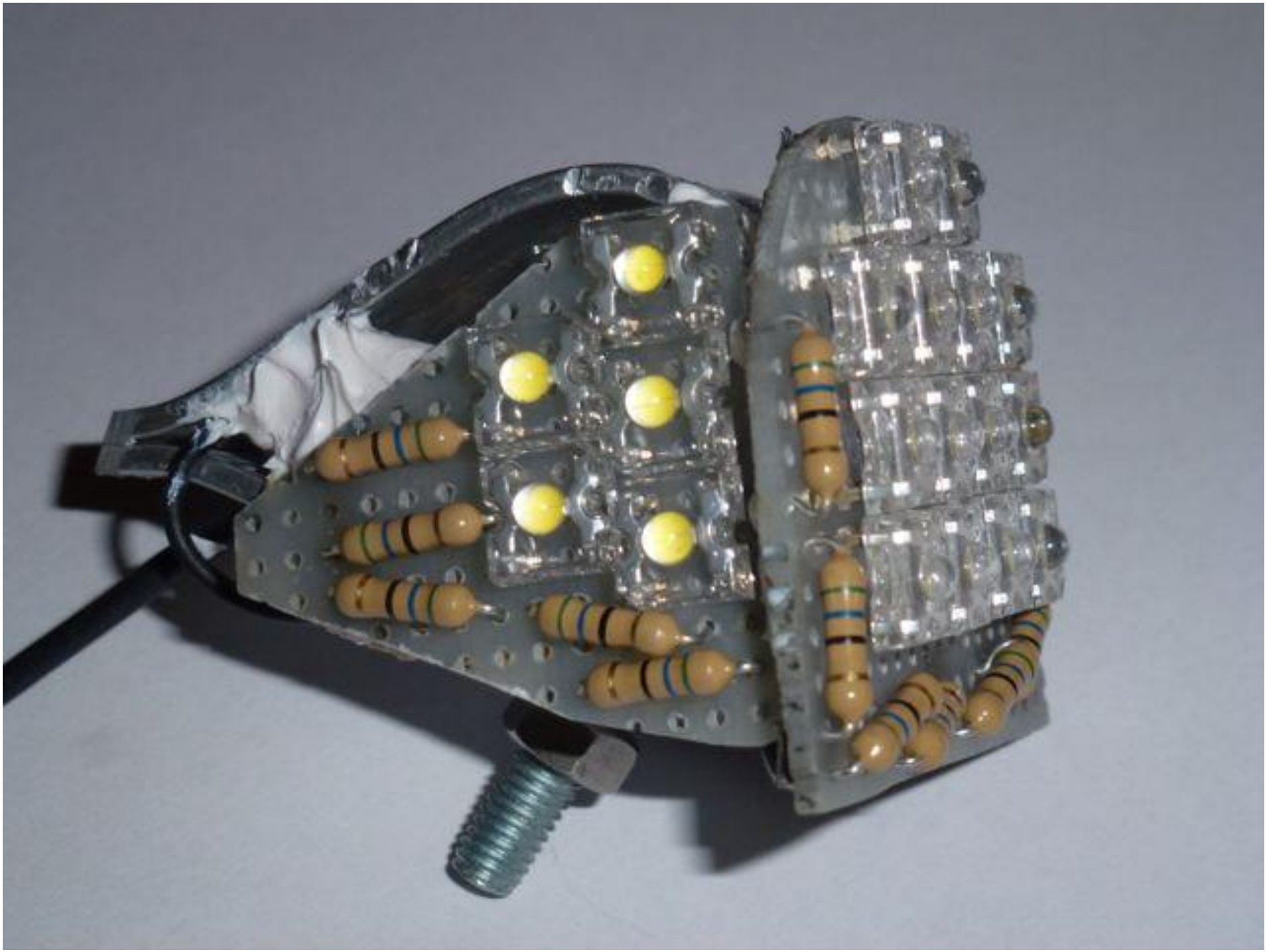


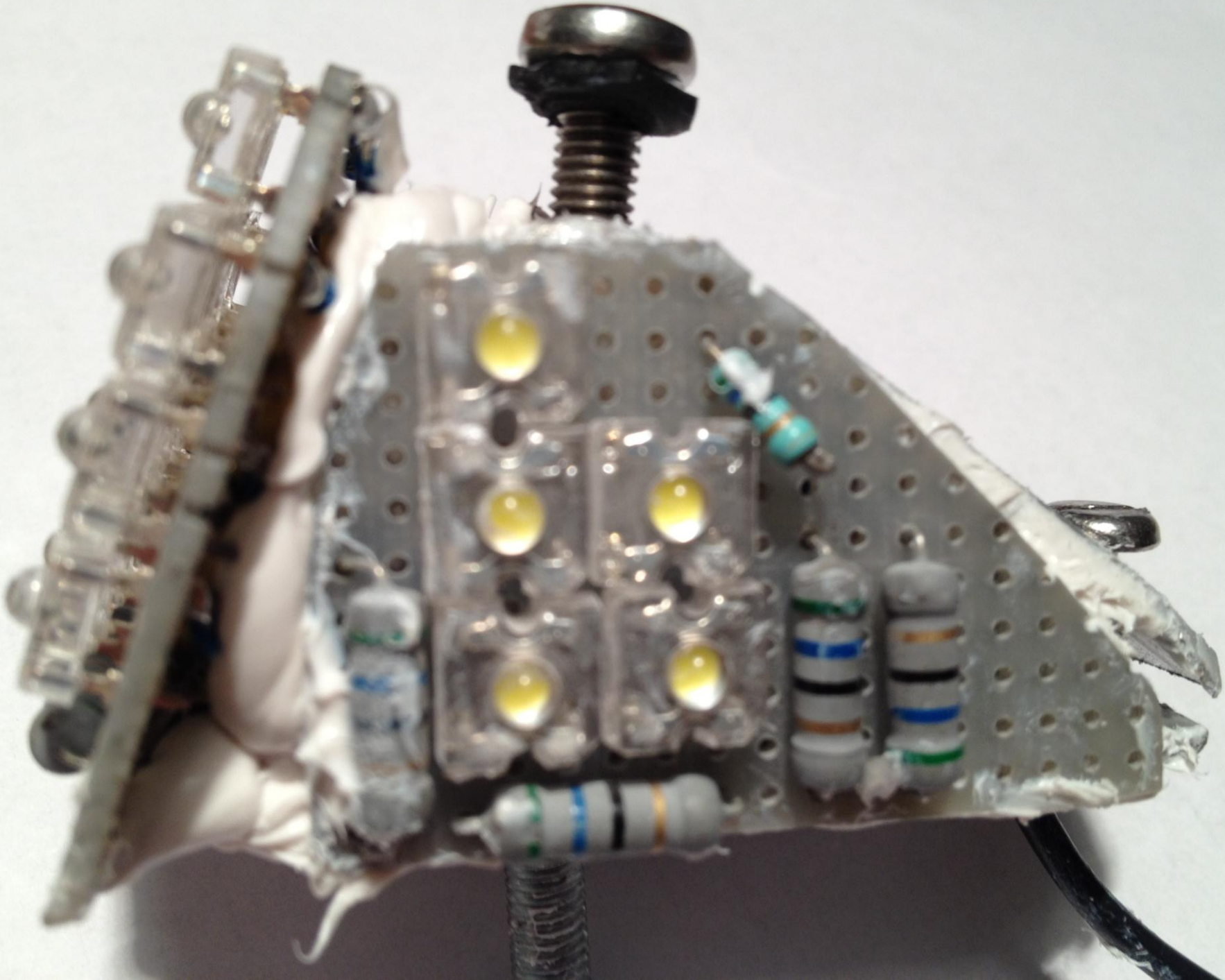


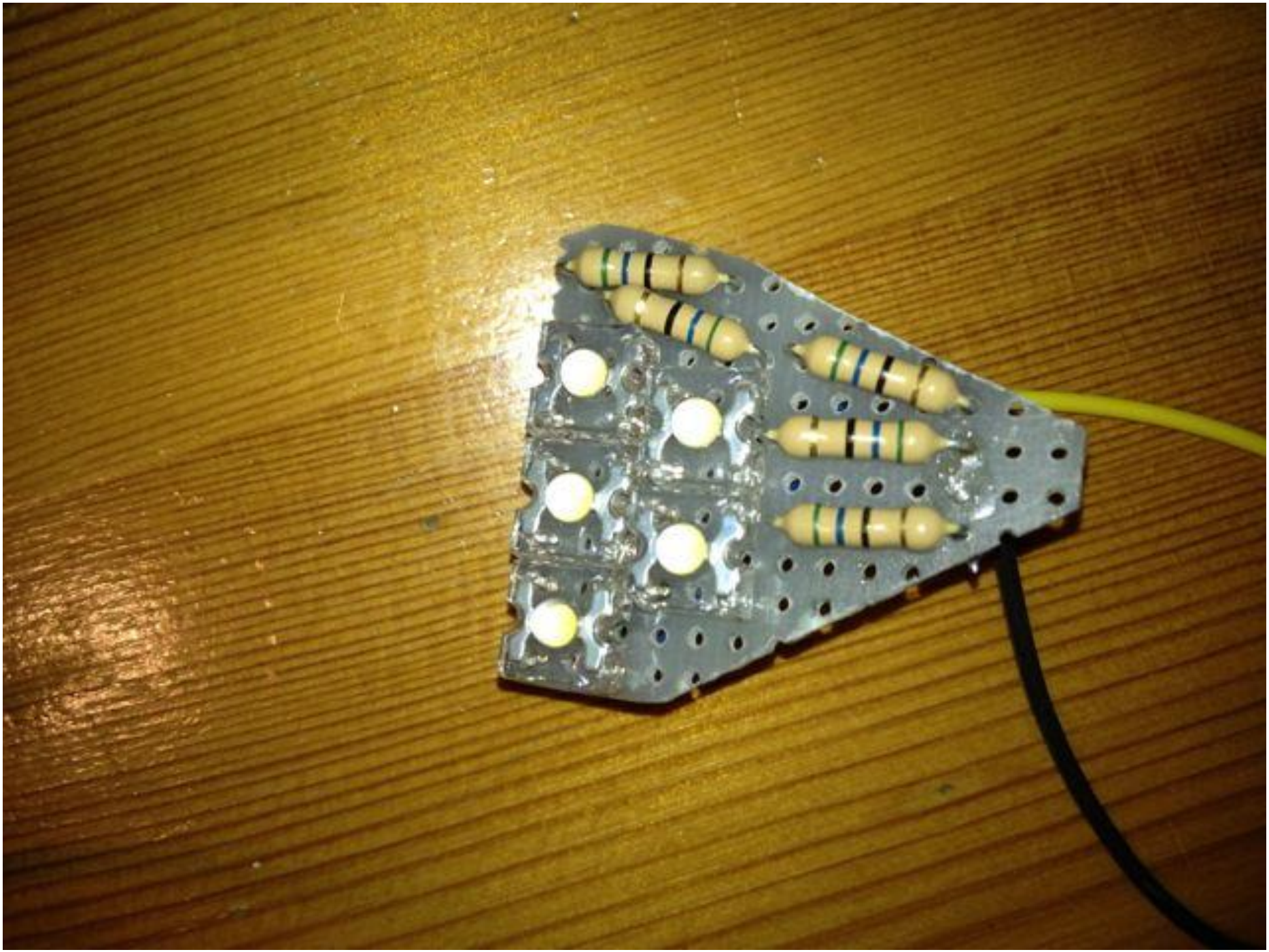












Kosten

- LED’s 20 cent per stuk
- Weerstanden 4 cent per stuk

- In totaal met printplaten, soldeer, 80 LED’s
  50 euro

Bij groepsproductie 15,- voor 4 knipperlichten

Websites

- www. Leds-buy.com
- www.oldtimerrestauratie.com