

Lichtdag

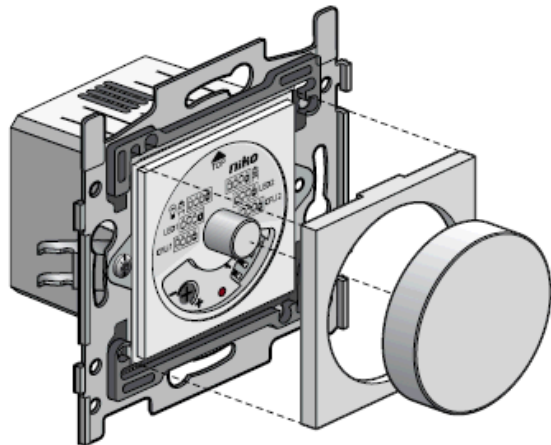
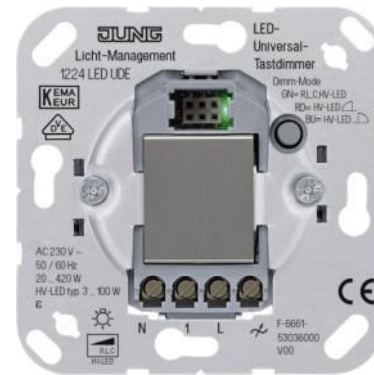
Workshop Verlichting 12/9/2017

VOLTA

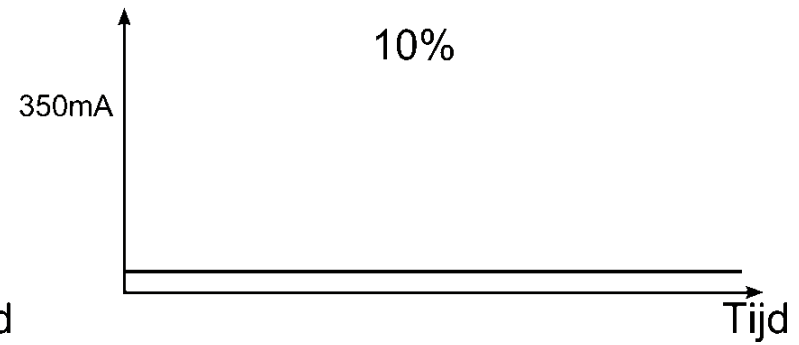
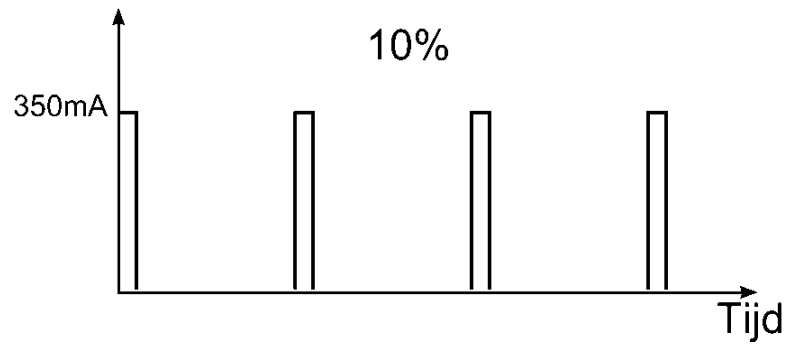
TAFEL 1: Dimming

VOLTA

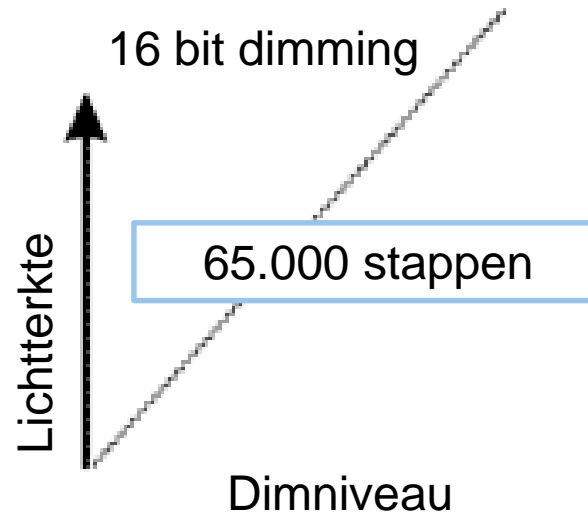
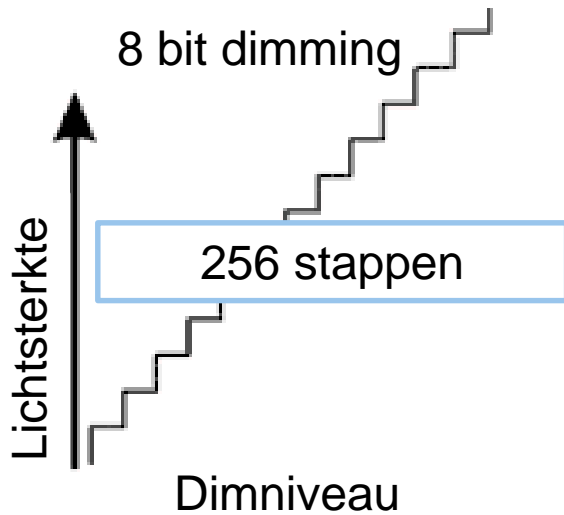
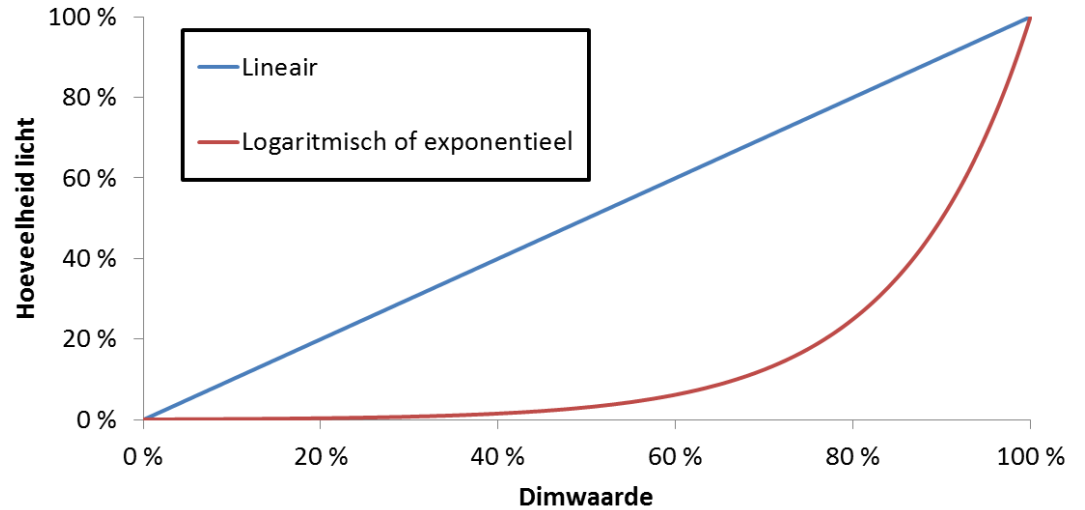
Fasedimming



Directe dimming



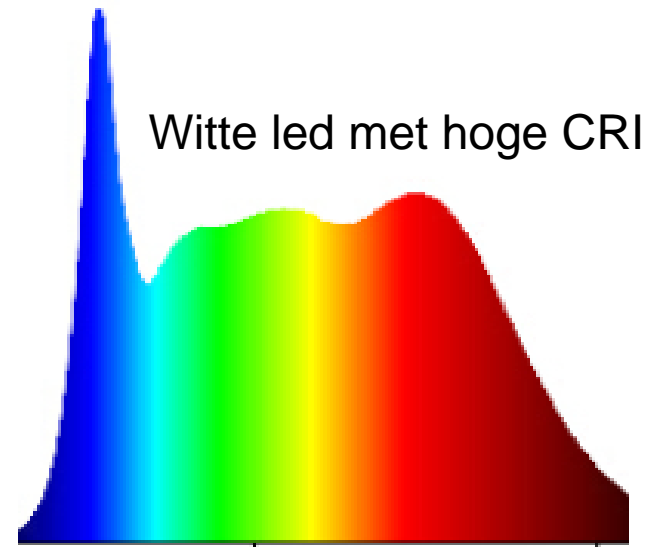
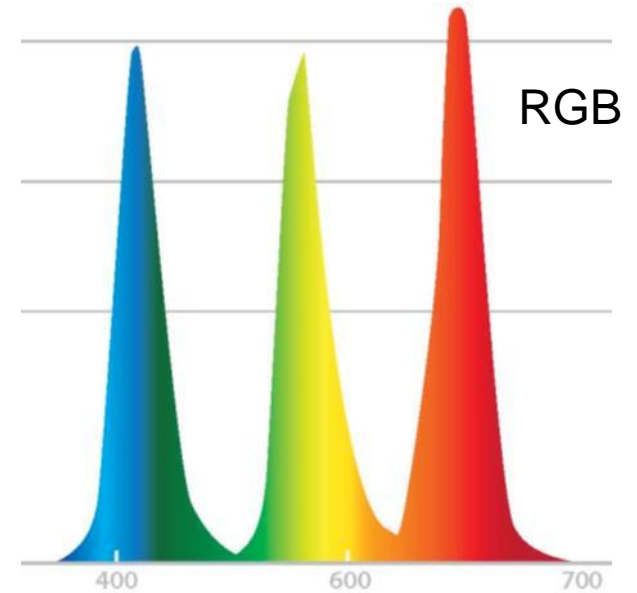
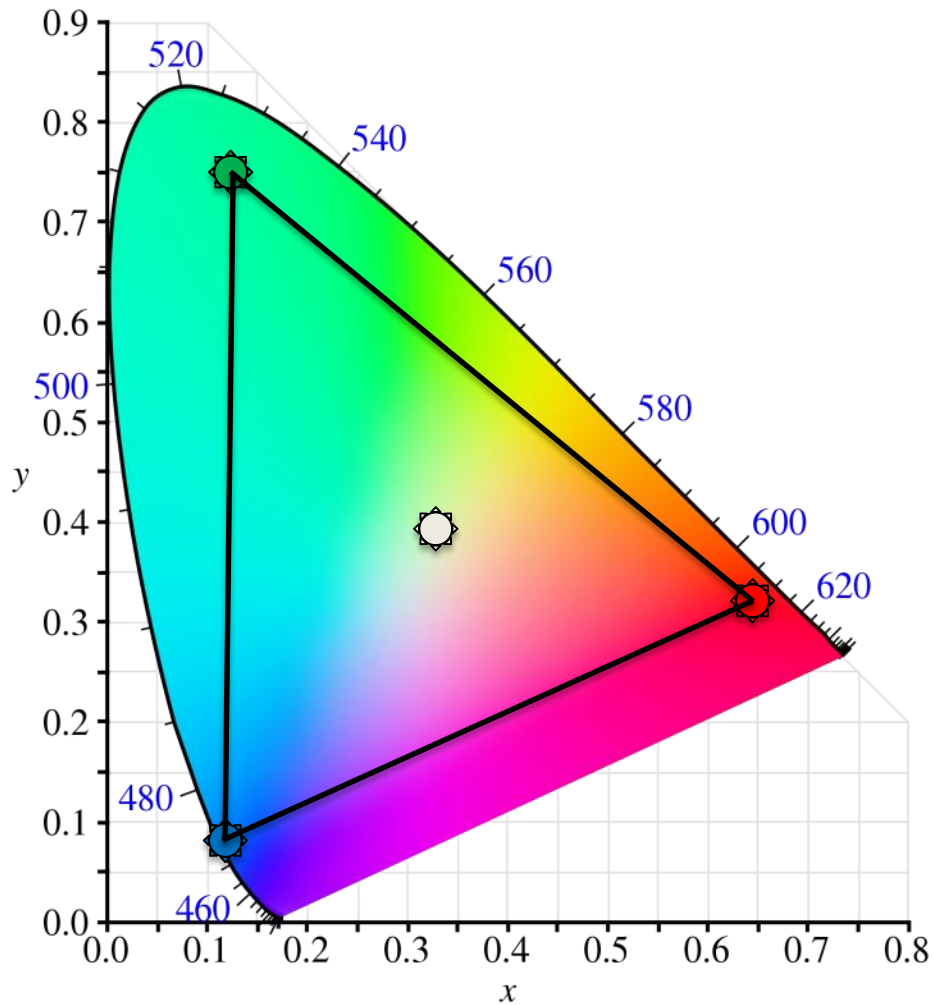
Dimcurve



TAFEL 2: Optische eigenschappen

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Kleur en kleurtemperatuur

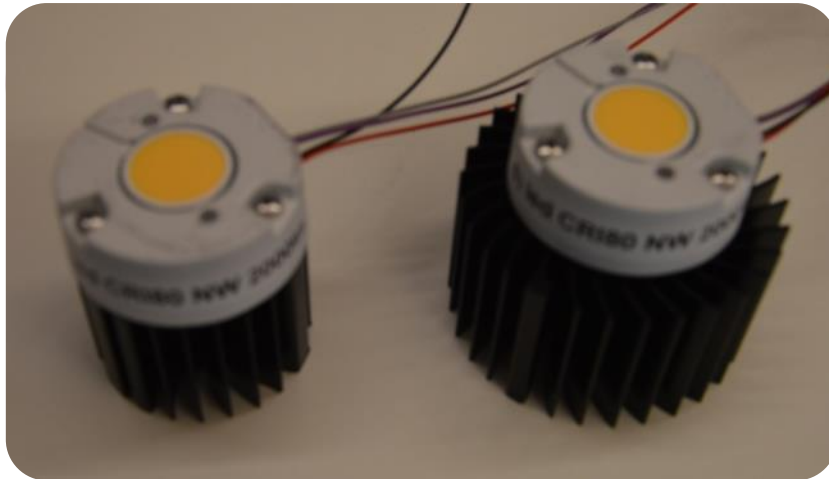


Stroboscopisch effect



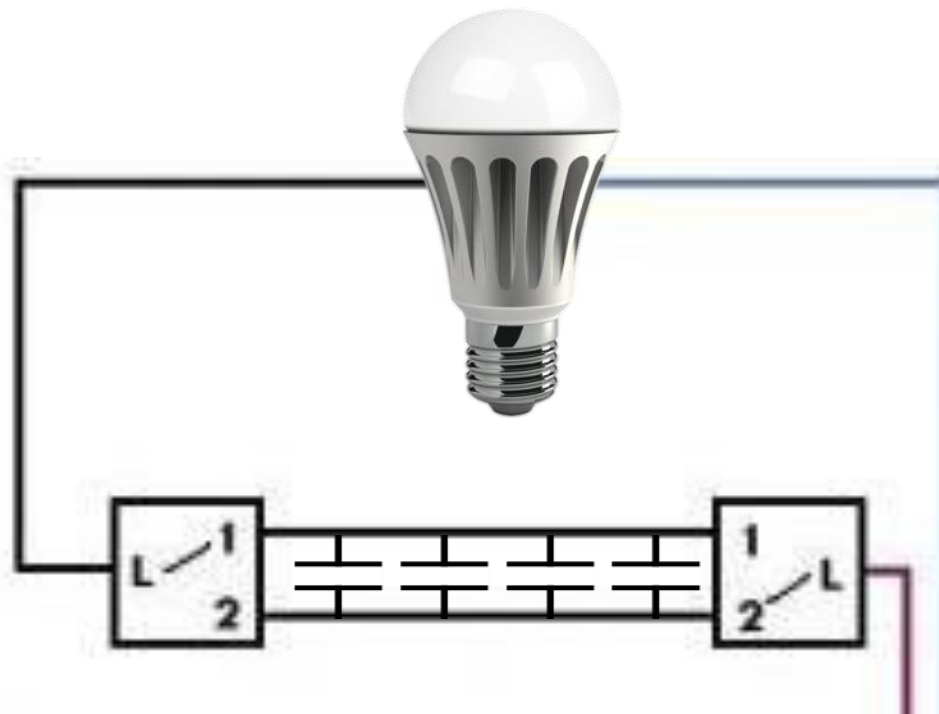
Tafel 3: Temperatuur

Temperatuur en koeling

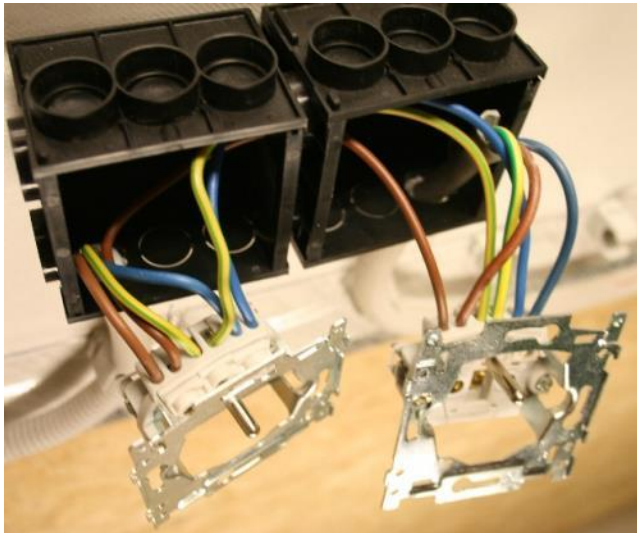


TAFEL 4: Elektrische eigenschappen

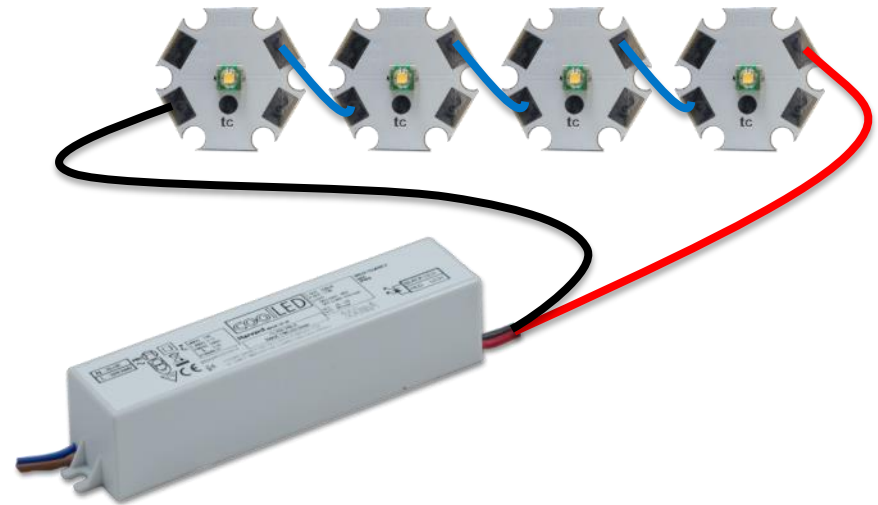
Capacitieve lekstromen



Spanning vs Stroom



Spanningsbron - parallel



Stroombron - serie



Geïntegreerde stroombron –
parallel op spanningsvoeding

Spanningsval



10x15W = 150W

Kabel 1: 3m



12VDC 200W

Spanningsval totaan de **eerste** lamp (kabel 1)

	ΔU 0,75 mm ²	P 0,75 mm ²	ΔU 2,5 mm ²	P 2,5 mm ²	ΔU 4 mm ²	P 4 mm ²
Kabel	1,2 V	15 W	0,5 V	7 W	0,3 V	4 W

TABLE 5: Draadloze communicatie

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Zigbee



Bluetooth Low Energy (BLE)

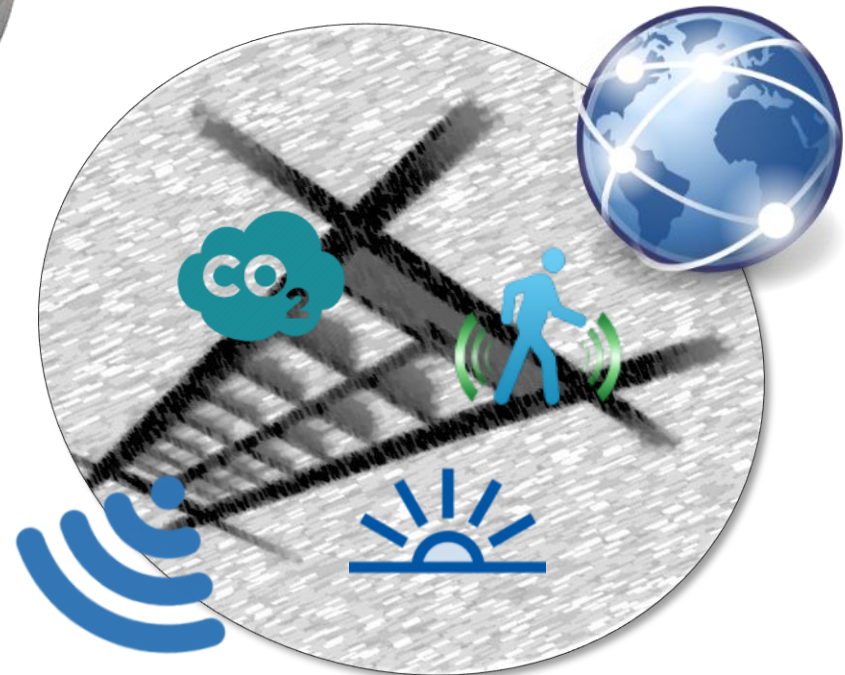


TABLE 6: Smart lighting

GEO LiFi

