

## A9990370 RF wireless hand-remote control:

Working with wireless RF Receiver A9910020 and A9910025  
(4x4A constant voltage PWM-dimmer)

- Synchronously control with wall mounted touch controller A9990365
- Synchronously control with installed software on iphone, ipad, android.
- Control up to 6 zones with 6 scenes at each zone
- Preset 10 changing modes, with pause function
- Synchronization function of pattern changes ensure consistent change forever.
- Enable to dim or mix colour of each R, G, B, W Channel

Dimension L x W x H (mm): 140 x 48 x 19 mm  
Weight: 0.09 Kg Excl. batteries

### Working with a RF receiver.

Short press learning key on receivers, then immediately slide touch the color wheel the led light will flash, means remote and receiver well paired.  
You can pair with multiple receivers with one remote to control in sync.

**Note 1: To choose a master from slaves by jumper for each zone.  
Short circuit for master.  
Open circuit for slave.**

**Each zone only can set one master controller. After a period of time, the master will do synchronization operation to keep the same color or mode of all slaves in one zone.**

**Note 2: Each remote control 6 zones (areas) receivers, each area can be learned as many receivers as we can.**

**Each receiver maximally can be controlled by 8 different remote controllers.**

### RGBW button

Touch **R G B W** button is to switch on/off of each corresponding color.  
Hold your finger on **R G B W** button to dim brightness of each corresponding color. There are total 8 levels of brightness.

Note: If you press R, then press G, then it is mix color of R and G. If you want to get G color directly, please press R to switch off of R first. Then press G.

### Running&Pause Button

- Press pause&run button **▶**, mode will run. Press it once, it runs one mode. Press button again, it stops, then press one more time, it will enter next mode. There are total 10 build-in modes.
- Pause&run button can work with S button **S**, it can save modes into different zone.
- Touch button **1 2 3** one by one, such as press button 1,2,3,4,5,6, then **4 5 6**

Press **▶** button. Zone 1,2,3,4,5,6 will run synchronized mode, after long press, LED lighting will flash twice, they will switch to chasing running mode, long press again to switch back.

### Return button

Touch **◀** button to return previous color or running mode.

### Speed up and Speed down Button

Touch button **◀** to speed down when mode is running, touch button **▶** to speed up when mode is running.

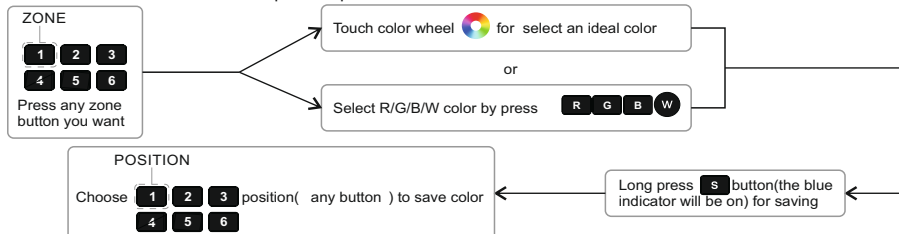
### Brightness down or up button

Short/long press button **⬇** to dim down brightness of RGB channels, Short/ long press **⬆** button to dim up RGB channels.

" W" channel is separated from RGB channels, so we can only long press button to dimming "W" channel.

### Save Button

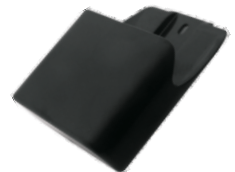
a. How to save color into different position per zone?



For example, press zone button 1, then touch color wheel for orange color, then press S button (the blue indicator will be on), then choose position button 3. That's to say, we save orange color from zone 1 into position 3.  
So each zone can save 6 colors. 6 zones can save 36 colors.



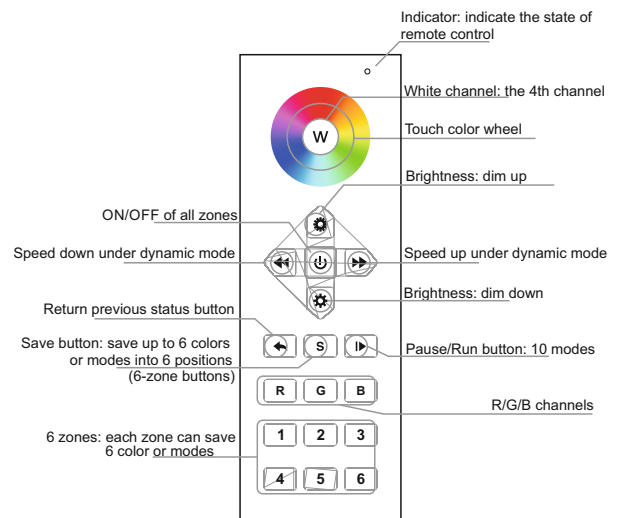
A9990370 Remote

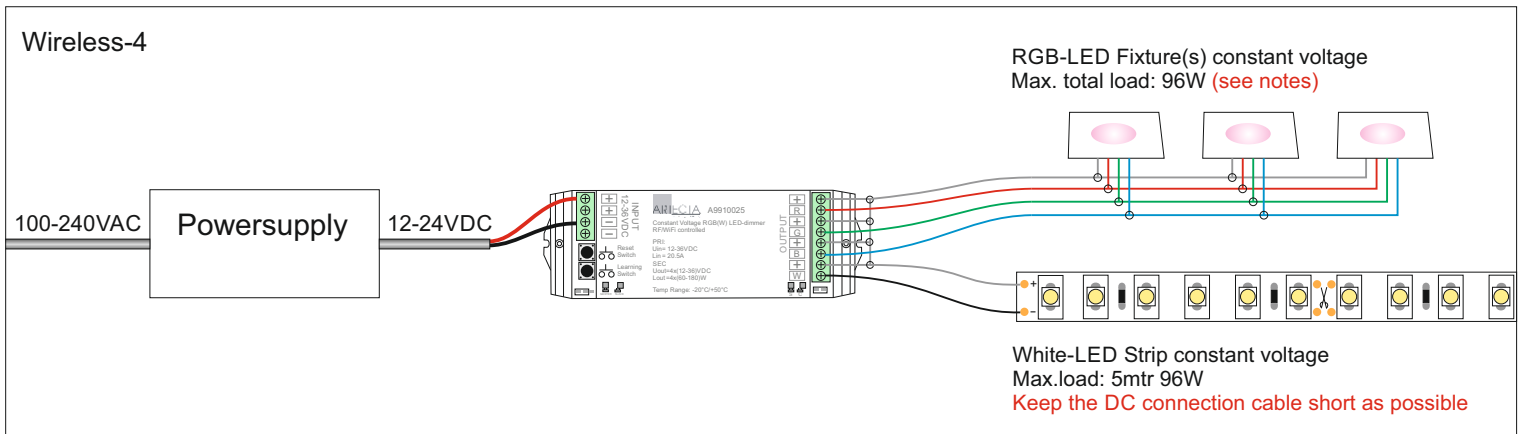
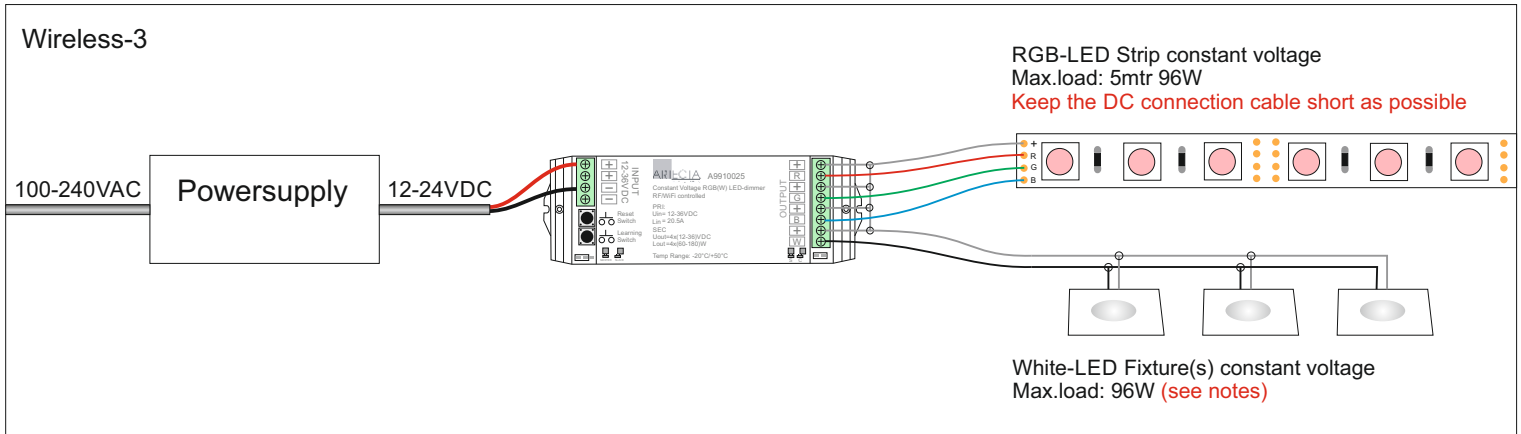
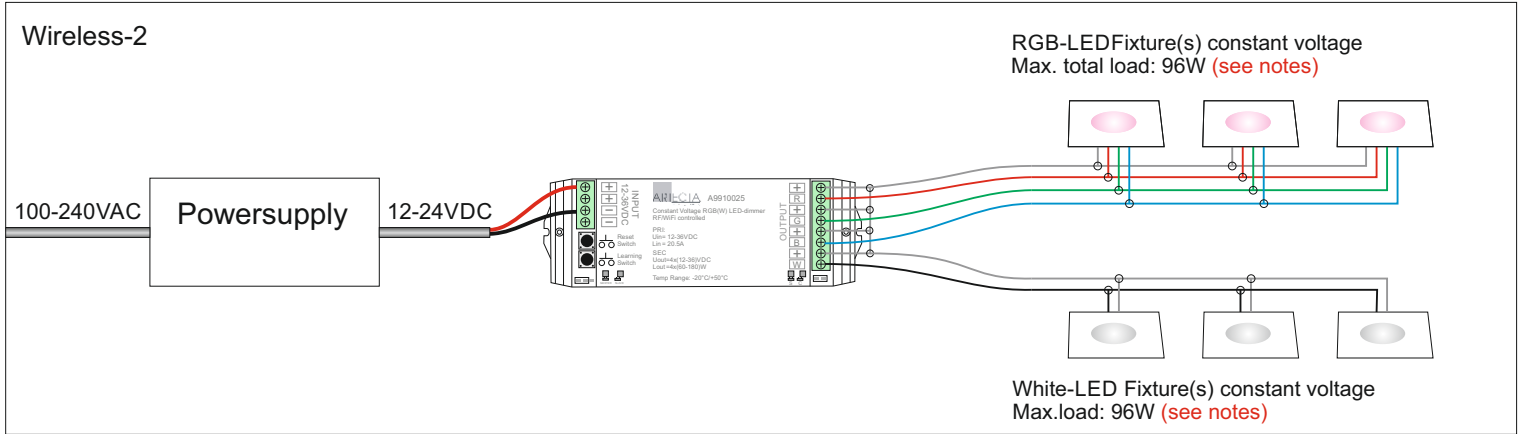
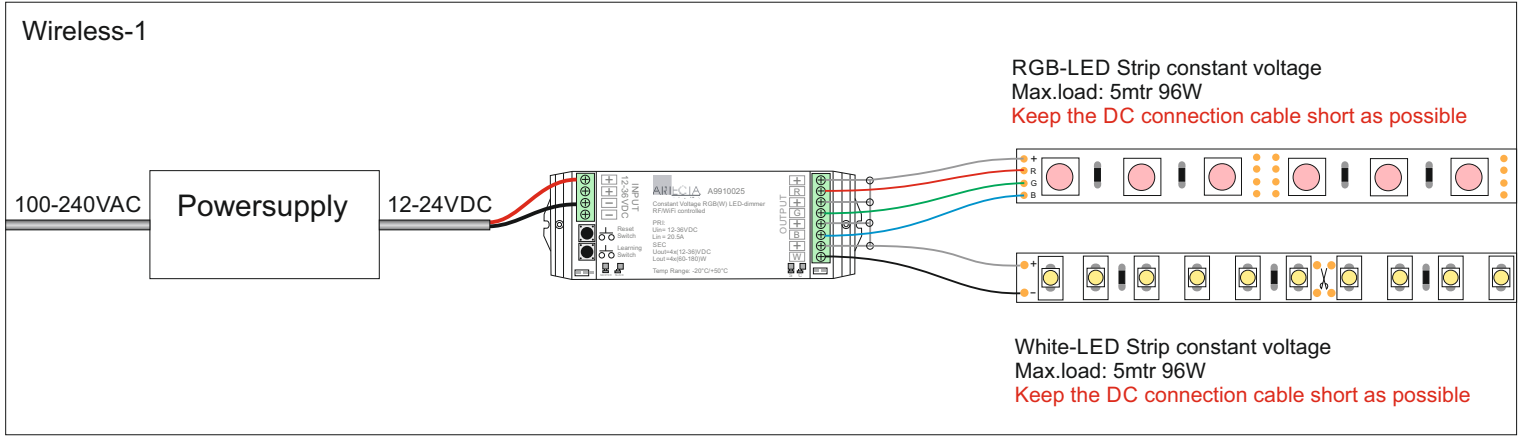


Wallmount

### How to learn & delete ID process?

1. Wake up the remote by any button except touch color wheel.
2. Press at learning button on receiver.
3. Press any zone button (which you desire to control) on remote.
4. Then touch color wheel.
5. Connected LED light will blink to confirm zone designation.
6. Press learning button on receiver for over 5 seconds until connected LED light flash off, then delete the learned ID. If you want to learn receiver into another zone, please follow learning ID process operation 2.





**Notes:**

**UK**  
The thickness of the 24V DC cable depends on the total cable length and total power consumption of all connected fixtures. (See page 3)

**D**  
Der Durchmesser des 24V DC-Kabels hängt von der Gesamtlänge des Kabels und der gesamten Leistungsaufnahme aller angeschlossenen Geräte ab. (Siehe Seite 5)

**ES**  
La sección del cable de 24V DC depende de la longitud total del cable y el consumo de energía total de todas las luminarias (véase la página 7)

**NL**  
De diameter van de 24V DC-kabel is afhankelijk van de totale lengte van de kabel en het totale stroomverbruik van alle verbonden toestellen. (zie tabel op pagina 4)

**FR**  
Le diamètre du câble d'alimentation 24V DC dépend de la longueur totale du câble et la consommation électrique totale de tous les périphériques connectés. (voir page 6)

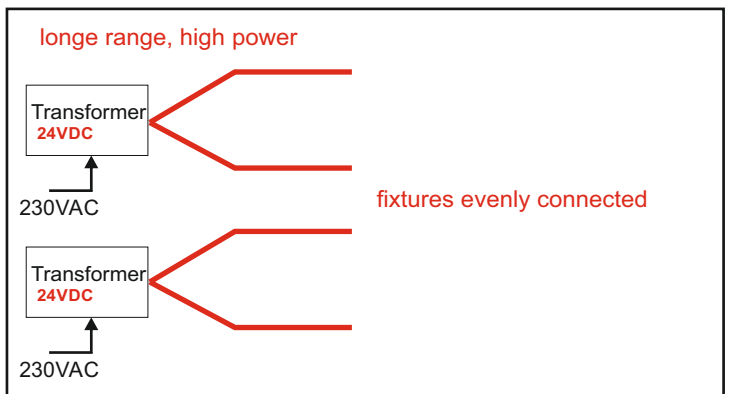
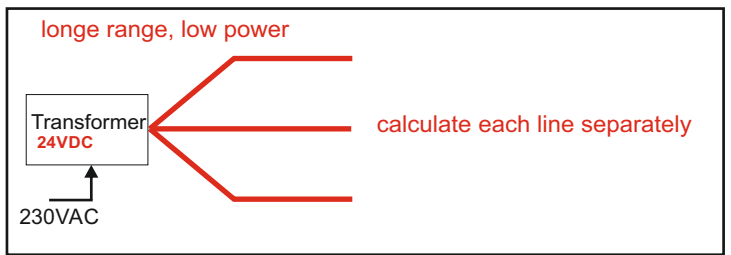
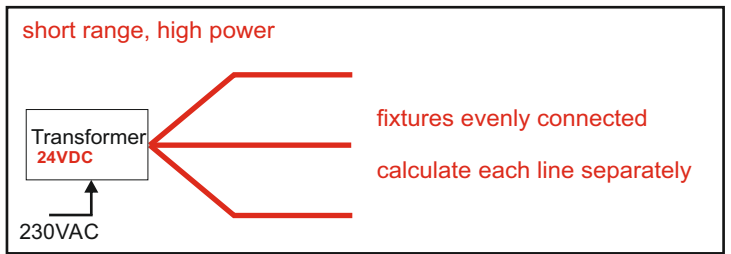
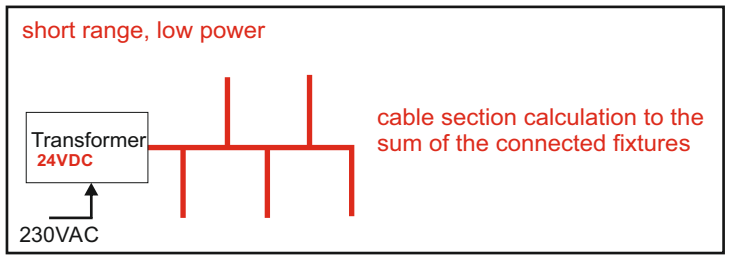
**IT**  
Il diametro del cavo 24V DC dipende dalla lunghezza totale del cavo e il consumo di energia totale di tutti apparecchi collegati

Recommended cable conductor surface (mm<sup>2</sup>) with cable lengths of 1-50 meters. for parallel connected 24 volt LED fixtures.

Note; This table is an obligation and not a binding opinion. If necessary, make a electrical resistance calculation ( $Pouillet A \times R = p \times l$ )

24 Volt	Cable inner conductor 1.5mm <sup>2</sup>					Cable inner conductor 2.5mm <sup>2</sup>					Cable inner conductor 4mm <sup>2</sup>					
	Watt	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Kabel- lengte (m)	Ampere	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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- As much as possible shortest path for the 24V cables
- Branching cables without interrupting the main cable
- Transformer must be placed in centre of the connected fixtures
- Polarity: positive (+) = red or brown, minus (-) = black or blue
- Transformer-capacity 25% greater than the sum of conected fixtures

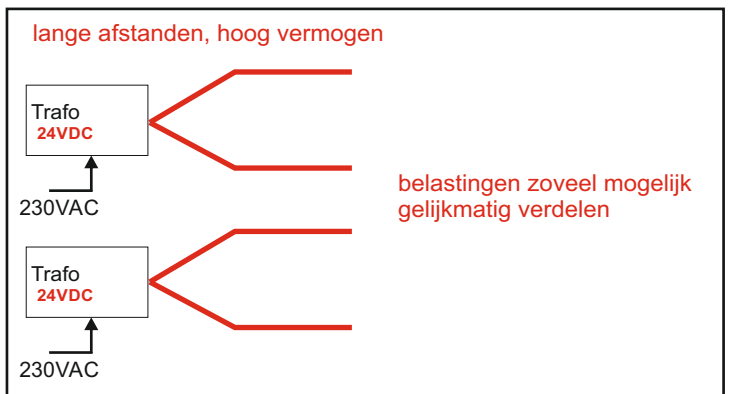
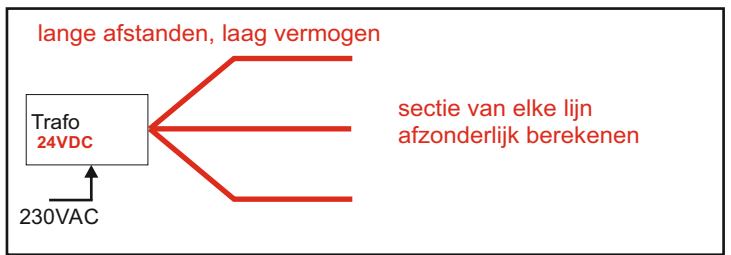
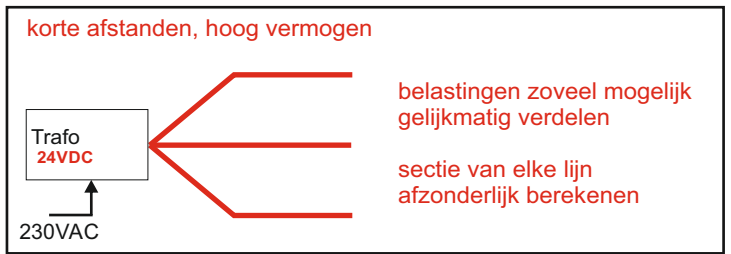
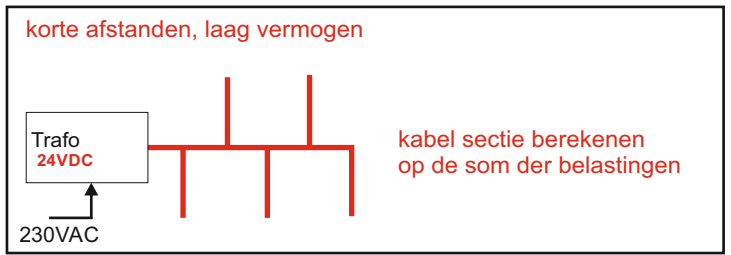


# Geadviseerd kabelgeleider-oppervlak (mm<sup>2</sup>) bij kabellengtes van 1-50 mtr. voor 24 Volt parallel aangesloten LED armaturen.

Note; Deze tabel is een vrijblijvend en geen dwingend advies. Maak indien nodig een berekening van elektrische weerstand en geleidbaarheid met de wet van Pouillet ( $A \times R = p \times l$ )

24 Volt	Kabelgeleider 1.5mm <sup>2</sup>					Kabelgeleider 2.5mm <sup>2</sup>					Kabelgeleider 4mm <sup>2</sup>				
	Watt	24	48	72	96	120	144	168	192	216	240	264	288	312	336
Kabel-lengte (m) \ Ampere	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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- Zoveel mogelijk kortste weg voor de 24V kabels
- Kabels aftakken zonder de hoofdkabel te onderbreken
- Trafo mogelijk in het midden plaatsen
- Polariteit: plus(+) = rood of bruin, min(-) = zwart of blauw
- Trafo-capaciteit 25% hoger kiezen dan de som der belastingen

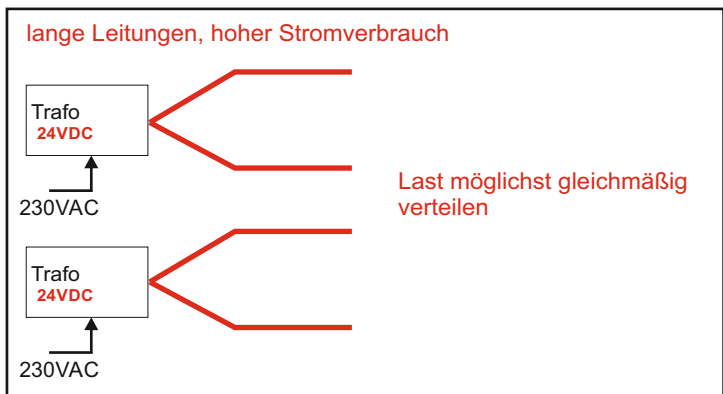
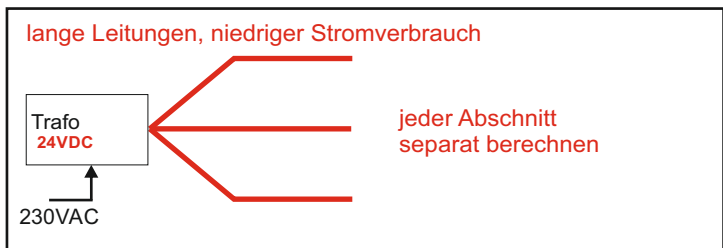
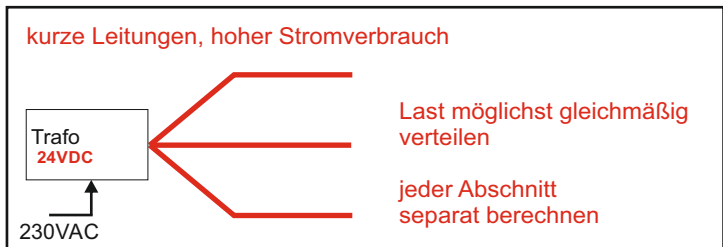
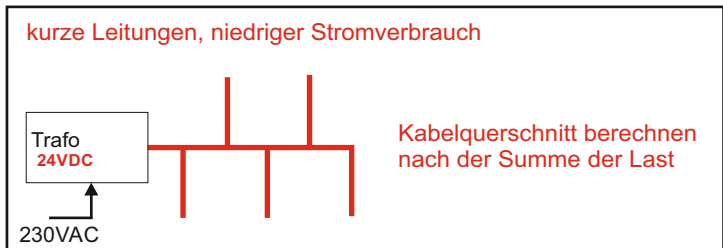


# Empfohlener Querschnitt vom Kabelinnenleiter in mm<sup>2</sup> bei Kabellängen von 1-50 Meter für parallel geschaltete 24-Volt-LED-Leuchten.

Bitte beachten: Diese Tabelle ist eine unverbindliche Beratung. Falls erforderlich, eine Berechnung vom elektrischen Widerstand und Leitfähigkeit mit der Formel von Pouillet machen

24 Volt		Kabelinnenleiter 1.5mm <sup>2</sup>					Kabelinnenleiter 2.5mm <sup>2</sup>					Kabelinnenleiter 4mm <sup>2</sup>				
		Leistung (Watt)														
Leistung (Watt)		24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Kabel- länge (m)	Ampere	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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- So viel wie möglich dem kürzesten Weg für die 24V-Leitungen
- Kabel abzweigen ohne Unterbrechung der Hauptleitung
- Trafo wenn möglich in der Mitte montieren
- Polarität: positiv(+) = rot oder braun, minus(-) = schwarz oder blau
- Trafo-Kapazität immer 25% größer wählen als die Summe der Last



Surface recommandée conducteur de câble (mm<sup>2</sup>) 1-50 m longueurs de câble. connectés en parallèle pour 24 volts luminaires à LED.

Remarque, Ce tableau est un des conseils informels et non contraignants. Si nécessaire, un calcul de résistance électrique et la conductivité avec la loi de Pouillet ( $A \times R = p \times l$ )

24 Volts	Conducteur de câble 1.5mm <sup>2</sup>					Conducteur de câble 2.5mm <sup>2</sup>					Conducteur de câble 4mm <sup>2</sup>				
	Puissance (Watt)					Puissance (Watt)					Puissance (Watt)				
	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Kabel-lengte (m) \ Ampere	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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Choisir le chemin le plus court pour les câbles 24V

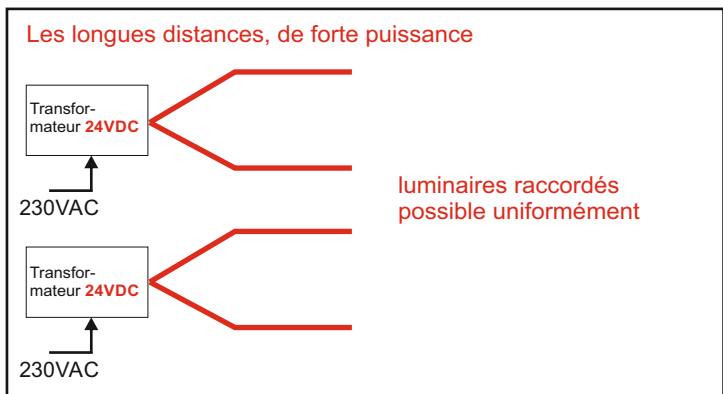
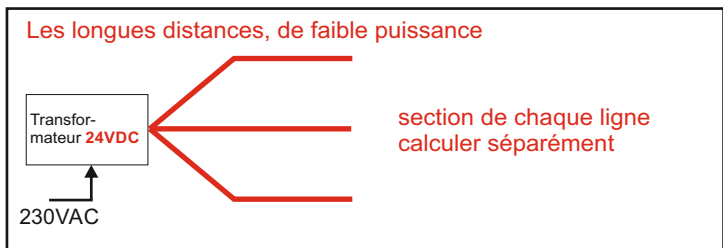
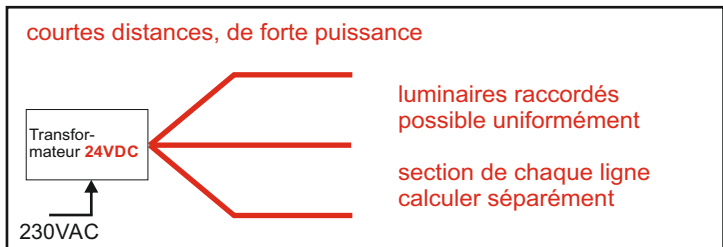
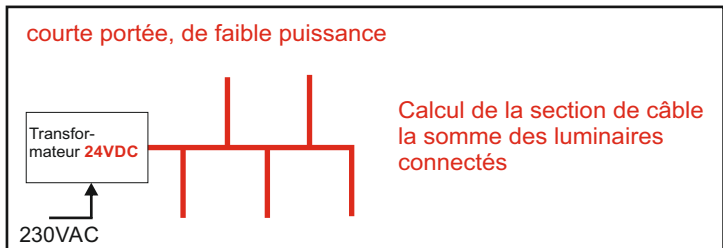
Éclaircie câbles sans interrompre le câble principal

Transformateur peut être centrée

Polarité: positive (+) = rouge ou brun, moins (-) = noir ou bleu

Transformateur-capacité de 25% de plus que de choisir la charge

LED-lampes Parallèlement interrupteur



# Sección de cable recomendada en mm<sup>2</sup> con longitudes de cable 1-50 metros. para conectar en paralelo de 24 voltios LED fixtures.

Note; Este cuadro es un consejo informal y no vinculante. Si es necesario, un cálculo de resistencia eléctrica y la conductividad con la ley de Pouillet ( $A \times R = p \times l$ )

24 Voltios	Sección de cable 1.5mm <sup>2</sup>					Sección de cable 2.5mm <sup>2</sup>					Sección de cable 4mm <sup>2</sup>					
	Watt	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Kabel- lengte (m)	Ampere	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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Intente utilizar la mínima distancia de cable en líneas de 24V.

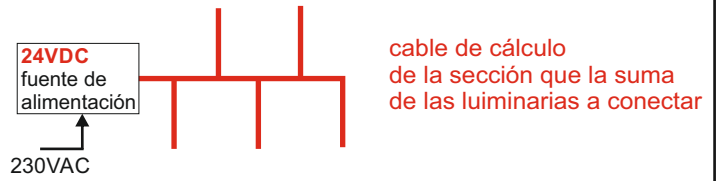
Intente utilizar una línea principal sin cortarlo y sacar de el derivaciones individuales

Si es posible coloque la fuente de alimentación en el centro de la línea [principal de distribución]

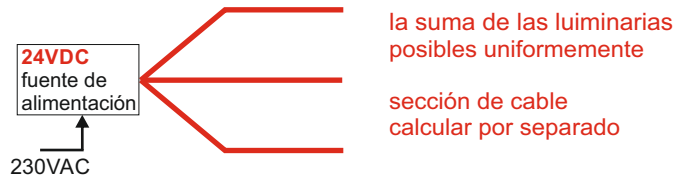
Polaridad: positivo (+) = rojo o marrón, negativo (-) = negro o azul

La fuente de alimentación debe ser 25% mayor que la suma de las luminarias a conectar

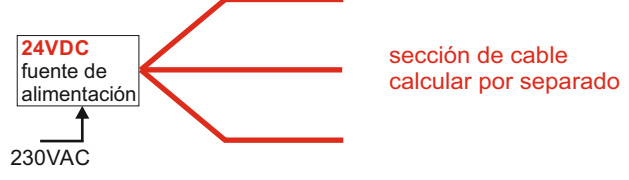
### distancias cortas, de baja potencia



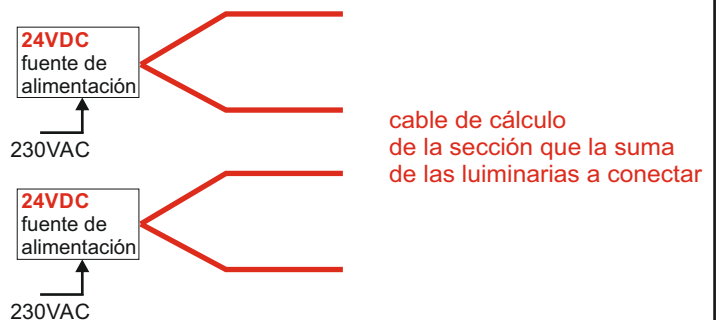
### distancias cortas, de alta potencia



### distancias largas, de baja potencia



### distancias largas, de alta potencia



Sezione (mm<sup>2</sup>) raccomandata dei cavi con lunghezza da 1m a 50m per apparecchiature LED a 24V collegate in parallelo.

Nota: questa tabella indica valori tassativi, non solo suggerimenti.

Se necessario, sviluppare un calcolo di resistenza elettrica ( $Pouillet A \times R = p \times l$ )

24 Volt	Condotore interno del cavo 1.5mm <sup>2</sup>					Condotore interno del cavo 2.5mm <sup>2</sup>					Condotore interno del cavo 4mm <sup>2</sup>					
	Watt	24	48	72	96	120	144	168	192	216	240	264	288	312	336	360
Lunghezza del cavo \ Ampere		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
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Lunghezza più breve possibile per cavi 24V

Derivare i cavi senza interrompere il cavo principale

Collocare il trasformatore al centro delle apparecchiature collegate

Polarità: positivo (+) = rosso o marrone, negativo (-) = nero o blu

Trasformatore di potenza almeno superiore al 25% della somma delle potenze delle apparecchiature collegate

