

## Serie LEDbar

**Architectural linear profiles  
with LED sources  
adapted to your projects and  
customized according  
to your plans**



### Natech Industrie

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## The company

Natech Industrie excels in the conception and manufacturing of Led lighting fixtures. Our expertise is based on a solid knowledge of controllers and constant current or voltage power supply. 25 years later, in a world of constant evolution, Natech Industrie is still a leader and a pioneer of the Led technology.

Natech's LED lighting systems (light emitting diode) can adapt to multiple types of control like: Dimming the intensity, managing the energy efficiency or mixing the lighting colors with the DMX512 or Dali protocol. It can be used with or without a WIFI remote or radio frequency.

Our team masters the operation of the LED technology and it directly reflects into our range of solutions. Our products are offering you a superior lighting power, longevity and durability.

Our close collaboration with architect, engineer and designer firms allows us to adapt and/or create any types of projects.

## Product line LEDbar

The large choice of aluminum Led extrusions for the Led 12v and 24v sources are used as heat dissipater and gives a good protection for the product.

Their structure dissipates the heat to maintain an optimal temperature and a maximal longevity.

The Led source is installed in the cavity of the extrusion to avoid any contact with wood or glass surfaces.

The majority of the extrusion can be paired with an opal or frosted cover and specific end caps to create a complete product.

Natech also offers waterproof solutions with the 33 and 34 extrusion, paired with an IP67 source.

Choose your extrusion according to the installation type and/or the effect that you want to create.

## Power and type of lighting source

Many accredited LED linear source are offered with a range of white tints, colors and different lighting power.

- Working with and constant voltage of 12V or 24V.

All Natech's LED linear sources are certified cULus and meets the L70 standard when paired to the appropriate extrusion.

Some of the linear source are covered with an silicone envelope jacket which gives them the waterproof protection sign.

It can be used in damp area (interior/exterior) like bathroom and restaurant/bar counter. Every outdoor installations must be IP67 (waterproof).

See your manufacturer of local representative for assistance or to help you with the combination of products.

Dimming, instant lighting or controls of colors are available.

## Selection of the profile / Matching linear sources with profiles

This board helps you find the appropriate extrusion according to the desired LED source

1. Define the installation type
2. Choose the LED source: White (choose the Kelvin degree, monochrome (Red, blue or green, three colors (RGB) or four colors (RGB+WW or WH)
3. Assure you that chosen LED source and extrusion can be matched.
4. Validate the lighting power.

Anticipate the possible limits associated with the size of the extrusion and the lighting power of the chosen LED linear source. Note that if you choose a waterproof (IP67) source, the size will increase due to the silicone envelope jacket.



LED source	Standard color temperature (°k)											
	Red	Green	Blue	Amber	2400°K	2700°K	3000°K	3500°K	4100°K	5000°K	5500°K	6500°K
NTUT30					*	*	*	*	*	*	*	*
NTUTS30						*				*		
NTHP30							*		*	*		
NTUT39-K (2c)									←	*	→	
NTUT60						*	*	*	*	*	*	*
NTUTS60						*				*		
NTUT120						*			*	*		
NTHP120							*		*	*		
NTHP147							*		*	*		
NTUT120-RGB+W (4c)	*	*	*			*					*	
NTRGB150 (3c)	*	*	*									
NTRGB300 (3c)	*	*	*									
NTRGB800 (3c)	*	*	*									
NTRGBW300 (4c)	*	*	*							*		

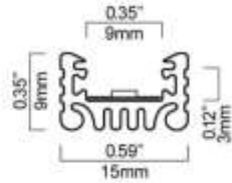
\* All others °K and others individual color, contact factory

LED source	watts/ft	lumens/ft	watts/m	lumens/m	diodes/m	Characteristic/Application
NTUT30	1.4	132	4.6	430	60	Accent
NTUTS30	2.2	148	7.2	480	60	Accent / lateral light
NTHP30	4.5	369	14.5	1200	60	Very efficient
NTUT39-K (2 c)	5.9	240-253	19.2	790-830	120	Efficient / CCT 2700 to 6500K
NTUT60	3.1	266	10	864	120	Very efficient
NTUTS60	4.4	295	14.4	960	120	Very efficient / lateral light
NTUT120	6.1	532	20	1728	240	High power
NTHP120	5.9	443	19.2	1440	266	High power
NTHP147	4.65	427	15.12	1389	294	High power
NTUT120-RGB+W (4 c)	5.9	135° White	19.2	440° White	240	High power (RGB + white)
NTRGB150 (3 c)	2.2	—	7.2	—	30	Very efficient /RGB
NTRGB300 (3 c)	4.4	—	14.4	—	60	High power / RGB
NTRGB800 (3 c)	4.4	—	14.4	—	120	High power /RGB
NTRGBW300 (4 c)	5.9	135° White	19.2	450° White	60	High power / RGB + white

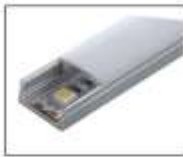
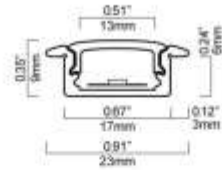
## Aluminium LED profile



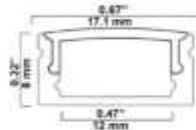
NTALB-01



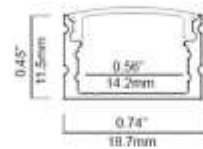
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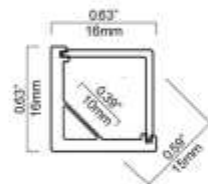
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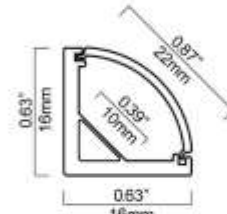
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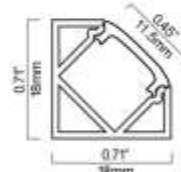
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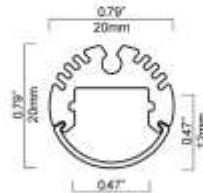
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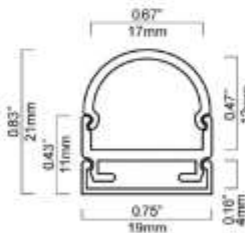
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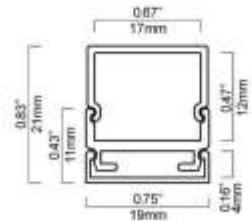
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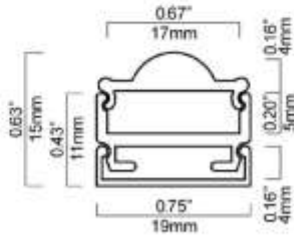
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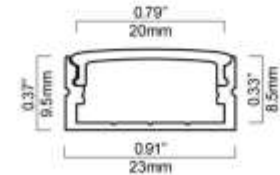
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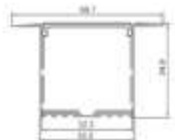
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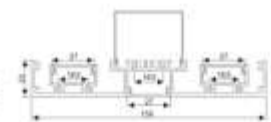
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NTALB-17



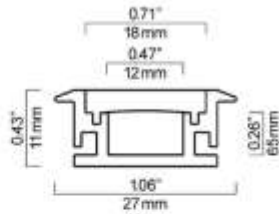
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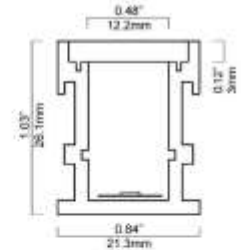
## Aluminium LED profile



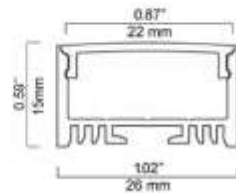
NTALB-33 IP67



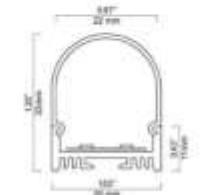
NTALB-34 IP67



NTALB-44



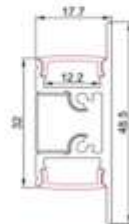
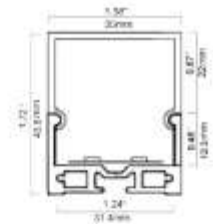
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NTALB-49R



NTALB-53



NTALB-62

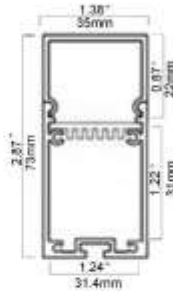




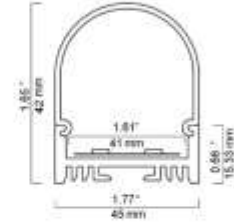
## Aluminium LED profile



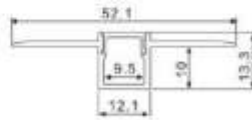
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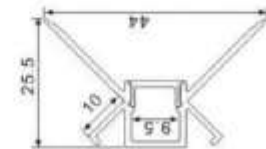
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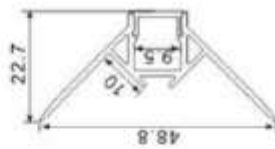
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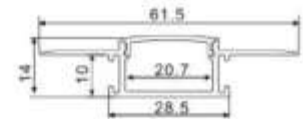
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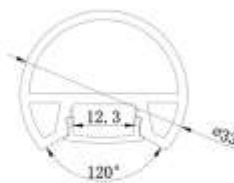
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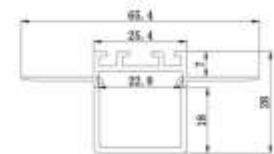
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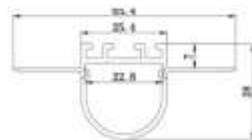
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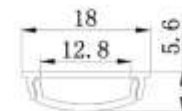
NTALB-110S



NTALB-110R



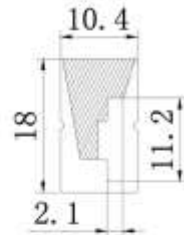
NTALB-114



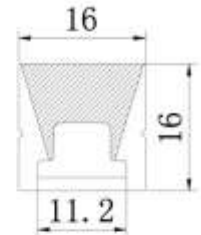
**LED Silicone profile**



NTALB-102



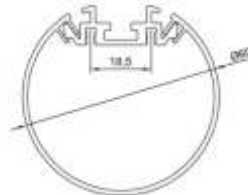
NTALB-103



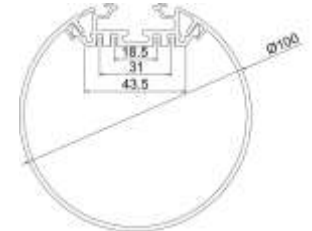
**Round LED profile**



NTALB-T60



NTALB-T100



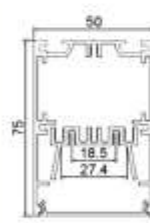
**LED profile NTALBH (internal power supply)**



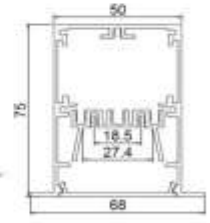
NTALBH-50 UP & DOWN



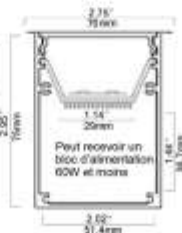
NTALBH-50-D DOWN



NTALBH-50R RECESSED



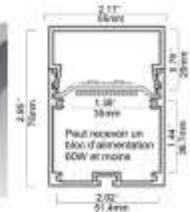
NTALBH-55



NTALBH-56



NTALBH-56D





**NTALB-01SS**



**NTALB-02R**



**NTALB-05**



**NTALB-07**



**NTALB-08**



**NTALB-10**



**NTALB-14**





**NTALB-17R**



**NTALB-23**



**NTALB-33**



**NTALB-34**



**NTALB-44**

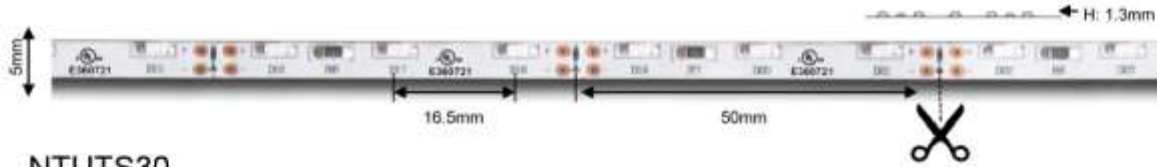


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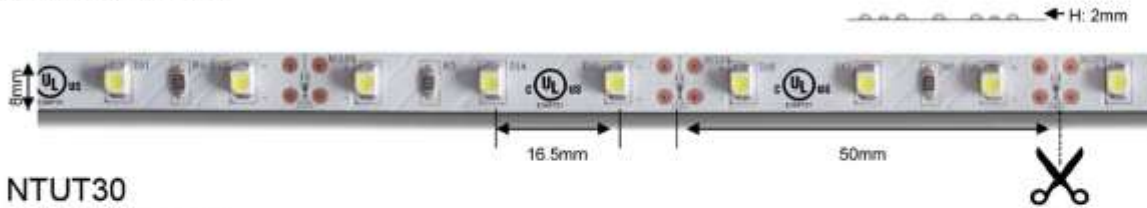


**NTALB-62**





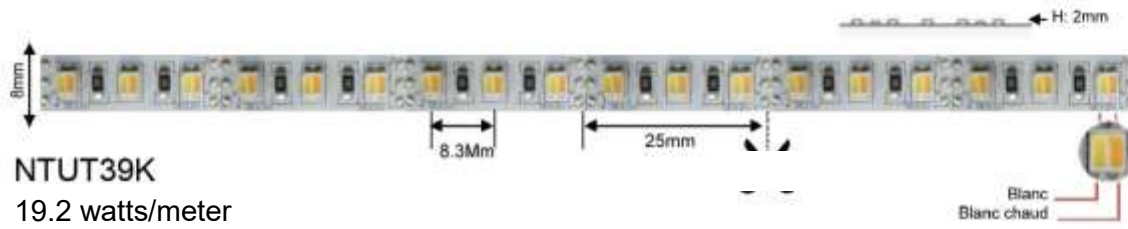
**NTUTS30**  
4.8 watts/meter



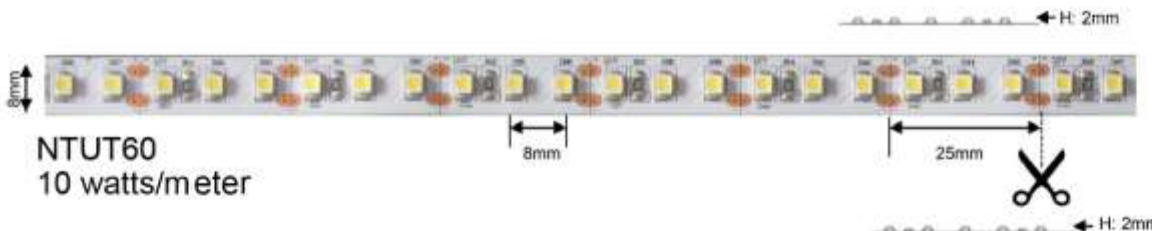
**NTUT30**  
4.6 watts/meter



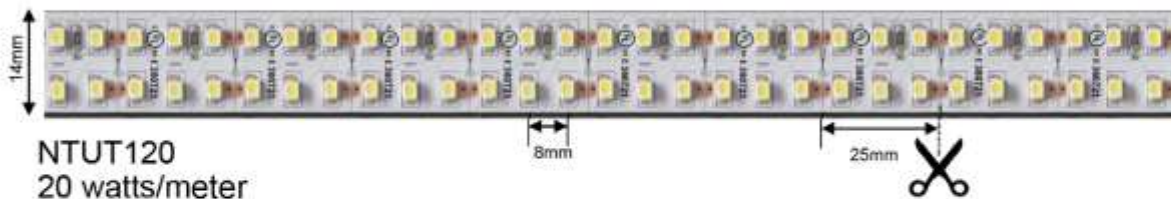
**NTHP30**  
14.5 watts/meter



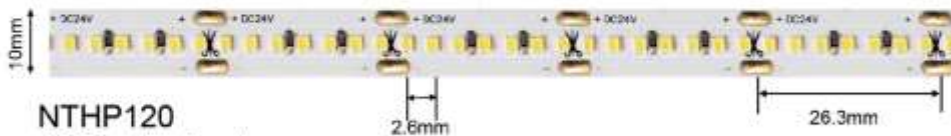
**NTUT39K**  
19.2 watts/meter



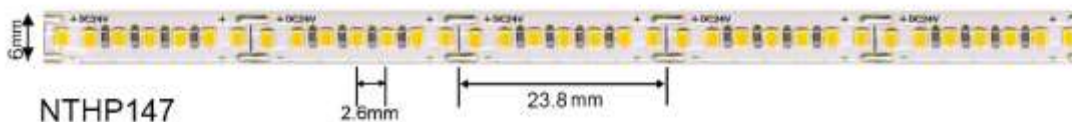
**NTUT60**  
10 watts/meter



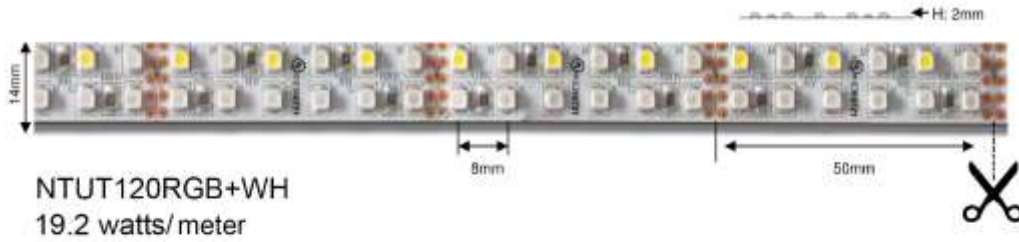
**NTUT120**  
20 watts/meter



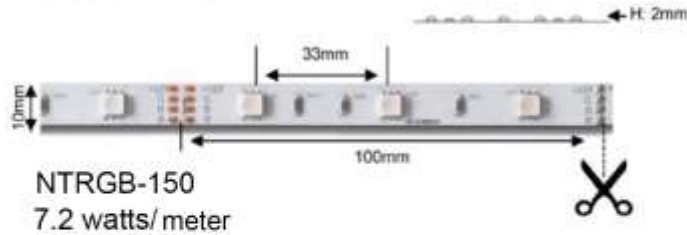
**NTHP120**  
19.2 watts/meter



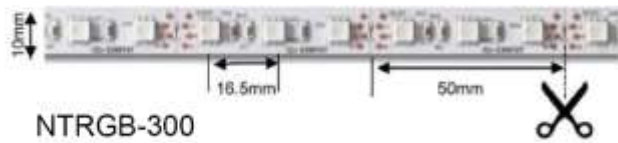
**NTHP147**  
15.12 watts/meter



**NTUT120RGB+WH**  
19.2 watts/ meter



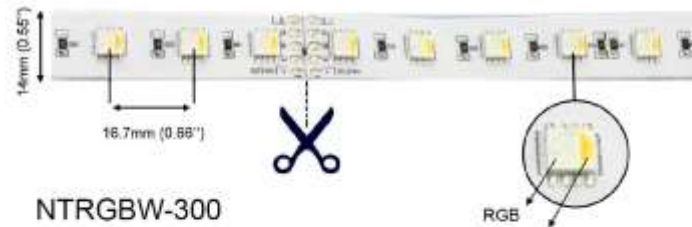
**NTRGB-150**  
7.2 watts/ meter



**NTRGB-300**  
14.4 watts/meter



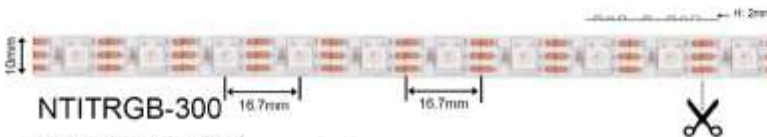
**NTRGB-600**  
14.4 watts/meter



**NTRGBW-300**  
19.2 watts/ meter



**NTITRGB-150**  
control every 3 pixels  
7.2 watts/



**NTITRGB-300**  
control each pixel  
5 Volts 18 watts/





**CONSTANT VOLTAGE POWER SUPPLY 12/24V**

WITH AC PLUG			
12V	WATTS	24V	WATTS
NTPSU12V-12W-SW	12W	NTPSU24V-60W	60W
NTPSU12V-18W	18W	NTPSU24V-90W	90
NTPSU12V-36W	36W		
NTPSU12V-60W	60W		

WIRE			
12V	WATTS	24V	WATTS
NTPSU12V-10W	10W	NTPV-20-24	20W
NTPV-20-12	20W	NTPV-35-24	35W
NTPV-35-12	35W	NTPV-60-24	60W
NTPV-60-12	60W	NTPSUCLG-100-24	100W
NTPSU12V-75W	75W	NTPSUCLG-150-24	150W
NTPSUCLG-100-12	60W	NTPSUHLG-240-24	240W
NTPSUCLG-150-12	132W	NTPSU24V-150W	150W
NTPSUHLG-240-12	192W	NTPSU24V-320W	320W
NTPSU12V-150W	150W		
NTPSU12V-320W	320W		

DIMMABLE MAGNETIQUE			
12V	WATTS	24V	WATTS
NTM20L-12DC-DIM	20W	NTM20L-24DC-DIM	20W
NTM40L-12DC-DIM	40W	NTM40L-24DC-DIM	35W
NTM60L-12DC-DIM	60W	NTM60L-24DC-DIM	60W
NTM100L-12DC-DIM	100W	NTM100L-24DC-DIM	100W
NTM150L-12DC-DIM	150W	NTM150L-24DC-DIM	150W

DIMMABLE 0-10V			
12V	WATTS	24V	WATTS
NT-ACA25VD12V	25W	NT-ACA25VD24	25W
NT-ACA60VD12	60W	NT-AC60VD24AER	60W
		NT-ACA100VD24H	100W
NT-AC150VD12A	150W	NT-AC150VD24A	150W

TRIAC DIMMABLE WITHOUT BOX			
12V	WATTS	24V	WATTS
NT-LFZV010012TV2A	10W	NT-LFZV010024TV2A	10W
NT-LFZV020012TV2A	20W	NT-LFZV020024TV2A	20W
NT-LFZV045012TV2A	45W	NT-LFZV045024TV2A	45W
NT-LFZV060012TV6A	60W	NT-LFZV060024TV6A	60W
NT-LFZV080012TV6A	80W	NT-LFZV080024TV6A	80W

TRIAC DIMMABLE WITH BOX			
12V	WATTS	24V	WATTS
NT-LFZV025012TL2AJ	25W	NT-LFZV025024TL2AJ	25W
NT-LFZV060012TL6AJ	60W	NT-LFZV060024TL6AJ	60W
NT-LFZV100012TL6AJ	100W	NT-LFZV100024TL6AJ	100W
NT-LFZV150012TL6AJ	150W	NT-LFZV150024TL6AJ	150W
NT-LFZV200012TL6AJ	200W	NT-LFZV200024TL6AJ	200W



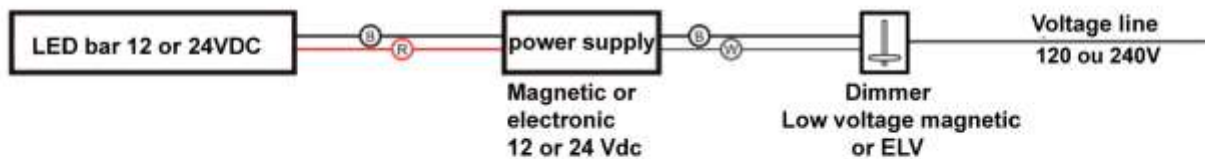
## Control and DMX

### Examples of different LED lighting control

#### Triac or PWM dimming (electronic dimmer)

From a 120V or 220V electric tension. A TRIAC or PWM electronic dimmer allows you to choose different levels of lighting. The magnetic power supply needs a magnetic low voltage dimmer, electronic power supply require a ELV type of dimmer.

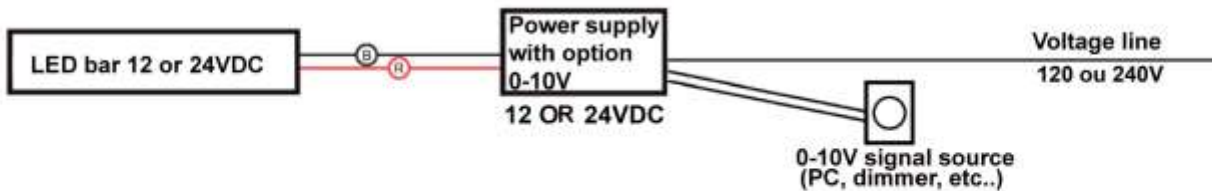
#### DIMMING PER TRIAC



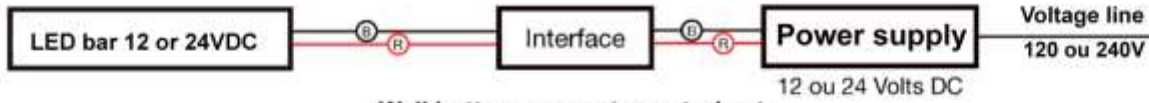
#### Dimming 0-10V

An external control provides a signal 1-10V to change the lighting level. Dimming capacities are limited and may vary depending on the LED power supply type.

#### DIMMING 0-10V



**Control PWM / DMX one channel**

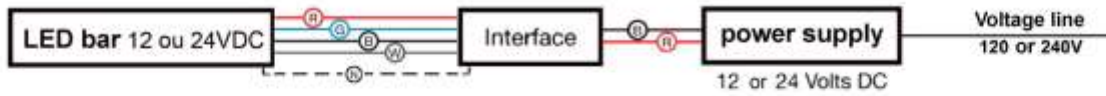


- Wall button or remote control = A
- Wall keys = B
- RF remote control or wall = C
- WIFI= D
- DMX= E



**RGB / RGB+W (3, 4 or 5 channels)**

**Current tension dimming and color mixing**



- Remote control = A
- Wall keys = B
- RF remote control or wall = C
- WIFI= D
- DMX= E

