

Description: RX-ALA5050-16CC LED bar, top SMD LED, built-in constant current design, is the world's most efficient 12V LED bar lamp (luminous efficiency more than 105Lm / W), compared to similar products; increased luminous efficiency 30%, at least 60% of energy than the fluorescent tubes; PWM dimming; to IP68 products can be soaked in water, has a thin, low temperature rise, waterproof, long life and other characteristics. Mainly used to showcase showroom, aquarium, fish tank, bath, baths, kitchen. Can also be used: car and motorcycle decorative lighting, airports, railway stations, advertising signs, your own ideas!

Features:

1. the world's highest luminous efficiency of LED aluminum bar lights, luminous efficiency of more than 105LM / W
2. built-in constant current, input voltage 12-24V, can use all kinds of constant voltage power supply; contains easy-to-buy laptop power and other universal power supply, can be PWM dimming
3. optional waterproof rating IP65 or IP68
4. ultra-thin thickness of 5.5mm, and easy installation; free holder, screws, 3M adhesive
5. Long life: 40000hours. Maximum temperature rise of 25 ° C
6. Continuous series, maximum series length of 10m (24V input)
7. Warranty: 3 years

Scope of application:

Mall stores showcase lighting
 Home cabinet lighting, aquarium fish tank lighting
 Advertising decorative lighting
 DIY Replacement of fluorescent tubes

Electronical Specifications:

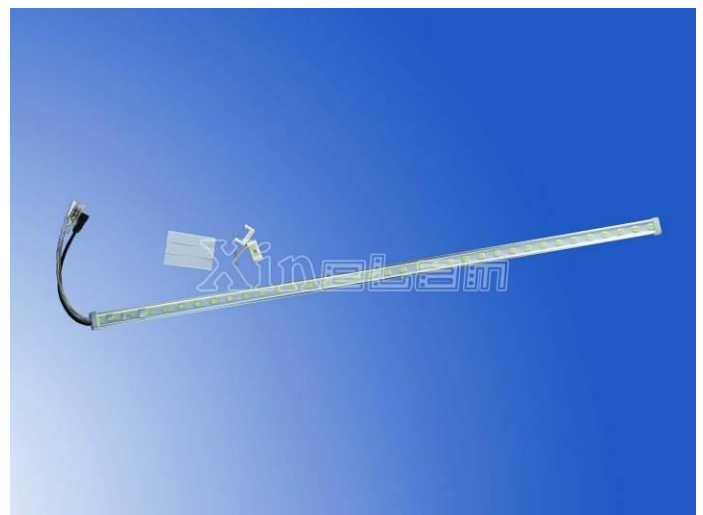
Input: DC 12-24V
 Power: the table below
 Viewing angle: 120°
 Color rendering index: Ra 70 or 80
 Available colors: white 6000-6500K,
 Neutral white 4200-4700K; warm white 3000-3500K

Mechanical Specifications:

Dimensions: see table below
 LED bar Weight: 130G / 60cm
 LED bar thickness: 5.5mm
 Temperature: -20°C ~ 40°C
 Maximum temperature rise: ≤ 25 °C

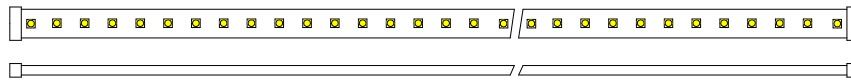
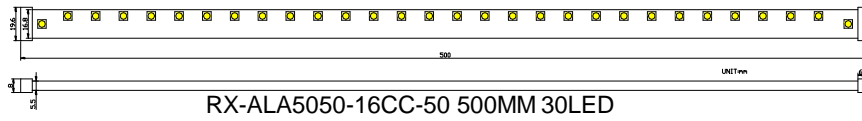


TYPE B



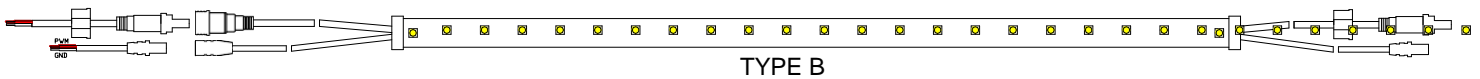
TYPE A

Dimensions



RX-ALA5050-16CC-100 1000MM 60LED

RX-ALA5050-16CC-120 1200MM 72LED



Model data table:

MODEL	Length mm Power	Luminous flux <u>Lm</u>	Illuminan ce <u>Lux</u>				
			Depth 30cm	Spacing 1M	Spacing 2M		
RX-ALA5050-16CC IP65 high light efficiency 105Lm / W IP65 waterproof can't be soaked in water	-50 500mm 30LED 5.6W	588Lm	890	120	34		
	-60 600mm 36LED 6.8W	714Lm	950	142	42		
	-100 1000mm 60LED 11.2W	1176Lm	1150	205	65		
	-120 1200mm 72LED 13.6W	1428Lm	1380	272	98		
RX-ALA5050-16CC IP68 Luminous efficiency 90Lm / W IP68 waterproof Multiple waterproof potting Can be soaked in water	-50 500mm 30LED 5.6W	504Lm	780	105	30	Can be	
	-60 600mm 36LED 6.8W	612Lm	820	115	34		
	-100 1000mm 60LED 11.2W	1008Lm	1000	180	57		
	-120 1200mm 72LED 13.6W	1224Lm	1100	200	62		
IP68 product color temp erature than the standard deviation.							

Note: The above table data test room temperature is 25 ° C, the test voltage of 12V; the LED color is white (6000-6500K); color rendering index: Ra 70

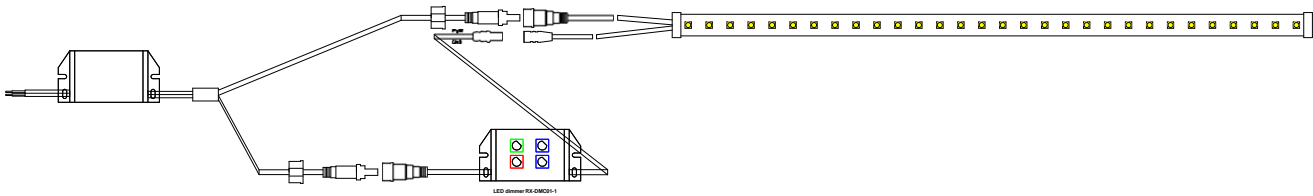
Associated with fluorescent tubes data sheets:

MODEL	Dimensions	Luminous flux Lm	Illuminance Lux(Centre distance)				Power	Input
			Spacing30cm	Spacing1m	Spacing2cm	3M		
Philips T5 14W fluorescent tubes	60cm	1150	550	76	22		14W	220V AC

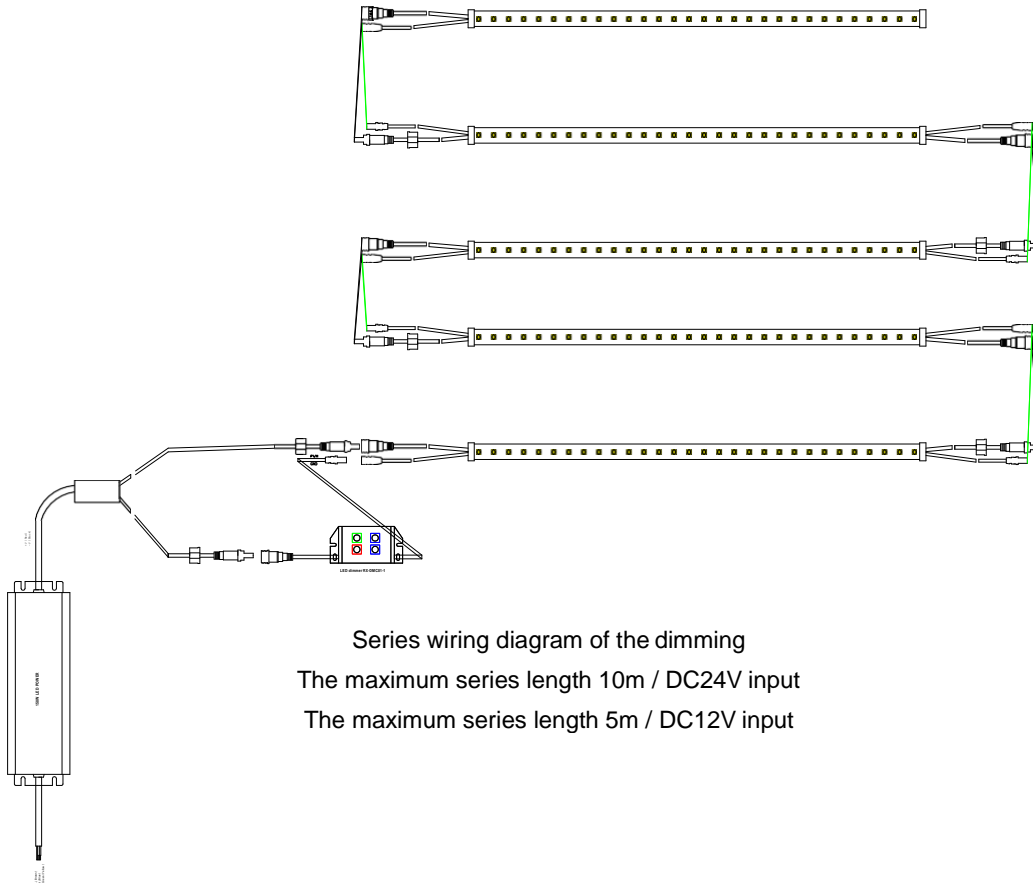
LED bar wiring diagram



Not dimming the wiring diagram



Dimmer wiring diagram

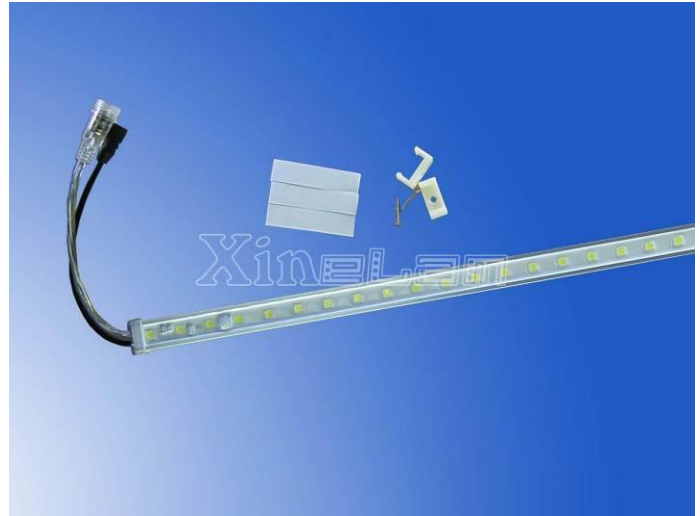


Series wiring diagram of the dimming
 The maximum series length 10m / DC24V input
 The maximum series length 5m / DC12V input

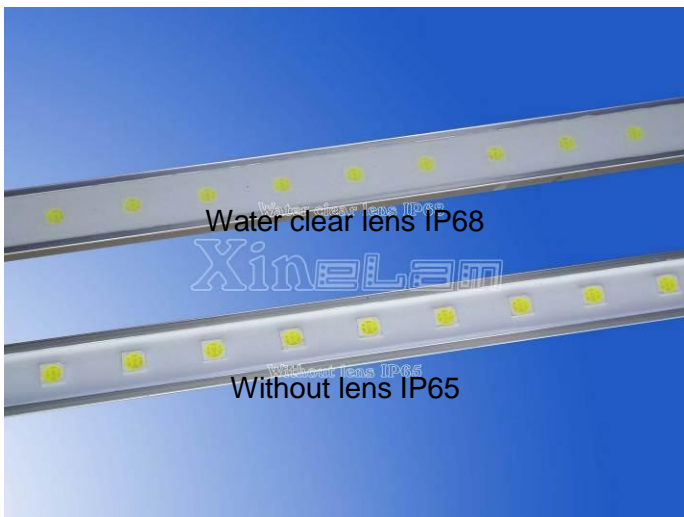
LED bar related images:



Can choose the matching dimmer
RX-DMC01-1T-PWM



Free 3M double sided tape, deck holder screws



IP65 LED bar high luminous efficiency; high brightness; color temperature accurately



IP68 LED bar Waterproof performance is good;
light diffusion effect
The actual color temperature than the Manual

CAUTION: This product is installed by a professional engineering staff.

Safety Information

1. The LED bar itself and all its components may not be mechanically stressed.
2. Assembly must not damage or destroy conducting paths on the circuit board.
3. Installation of LED lamp (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
4. Correct electrical polarity needs to be observed. Wrong polarity may destroy the LED bar.
5. Parallel connection is highly recommended as safe electrical operation mode.
6. Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the LED bar.

- 7. Please ensure that the power supply of adapters power to operate the total load.**
- 8. When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strip and the mounting surface.**
- 9. Pay attention to standard ESD precautions when installing the LED bar.**
- 10. Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.**
- 11. Waterproof LED bar , please note waterproof wiring department**
- 12. LED bar can not be used as support, you need fixed in the frame, fixed to the wall, otherwise, may cause deformation.**