

**Description:** RX-15T5050-16CC Waterproof LED lamps, top SMD LED, built-in constant current design, is the world's most efficient 12V LED lamp (luminous efficiency more than 95Lm / W); Compared to similar LED tube products; at least 30% higher luminous efficiency; Compared to fluorescent tubes at least 60% of Energy-saving, Temperature rise, constant power, waterproof, long life characteristics. Mainly used in the showroom showcase, exhibition cabinets, cabinet, aquarium, fish tank. Your own ideas



**Features:**

1. T5 High luminous efficiency of LED tube lights, top SMD5050
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
3. Waterproof IP65
4. Easy to install; free deck, 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  
 LED Viewing angle: 120°  
 Color rendering index: Ra 70 or 80  
 Available colors: white6000-6500K,  
                   Neutral whit4200-4700K; warm white3000-3500K

**Mechanical Specifications:**

Dimensions: see table below  
 LED tube Weight: 80G / 60cm  
 LED tube diameter: 16mm  
 Temperature: -20°C ~ 40°C  
 Maximum temperature rise: ≤ 25 °C

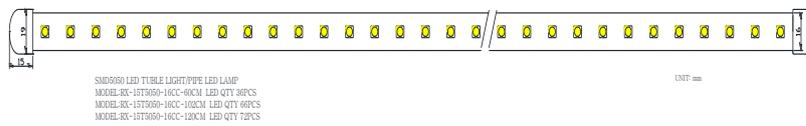
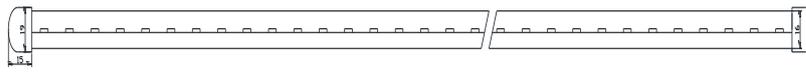
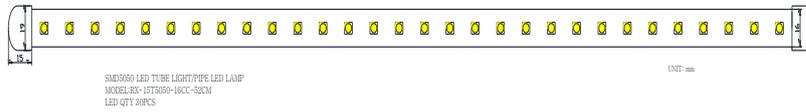


RX-15T5050-16CC



RX-16T5050-16CC

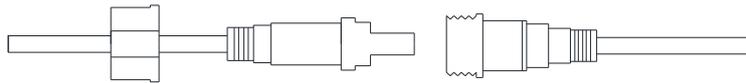
Dimensions



TYPE A



TYPE B



Waterproof DC Plug cable



.5x2.1mm DC Plug cable



Red and black wire

Three kinds to choose the input wires!

The standard connector wires: waterproof transparent plug cable

Model data table:

MODEL	Length mm Power	Luminous flux <u>Lm</u>	Illuminance <u>Lux</u>				Feature	Illumination equivalent to T5 fluorescent tube
			Depth 30cm	Spacing 1M	Spacing 2M	3M		
RX-15T5050-16CC 95Lm/W IP65 waterproof	-50 520mm 30LED 5.6W	532Lm	1100	120	38	High luminous efficiency  Color temperature accurately	14W	
	-60 600mm 36LED 6.8W	646Lm	1200	150	43		> 14W	
	-100 1020mm 66LED 12.3W	1168Lm	1250	235	72		28W	
	-120 1200mm 72LED 13.6W	1300Lm	1280	272	98		> 28W	
RX-16T5050-16CC 95Lm/W IP65 waterproof	-55 550mm 30LED 5.6W	532Lm	1100	120	38		14W	
	-105 1050mm 60LED 11.2W	1064Lm	1230	205	64		28W	

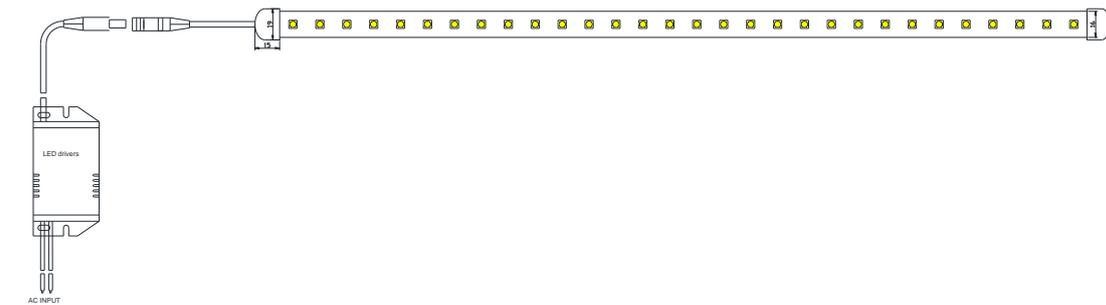
You can customize the length you need.

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 ; Tolerance range for optical and electrical data: ±10%; Welcome comparison test

Associated with fluorescent tubes data sheets:

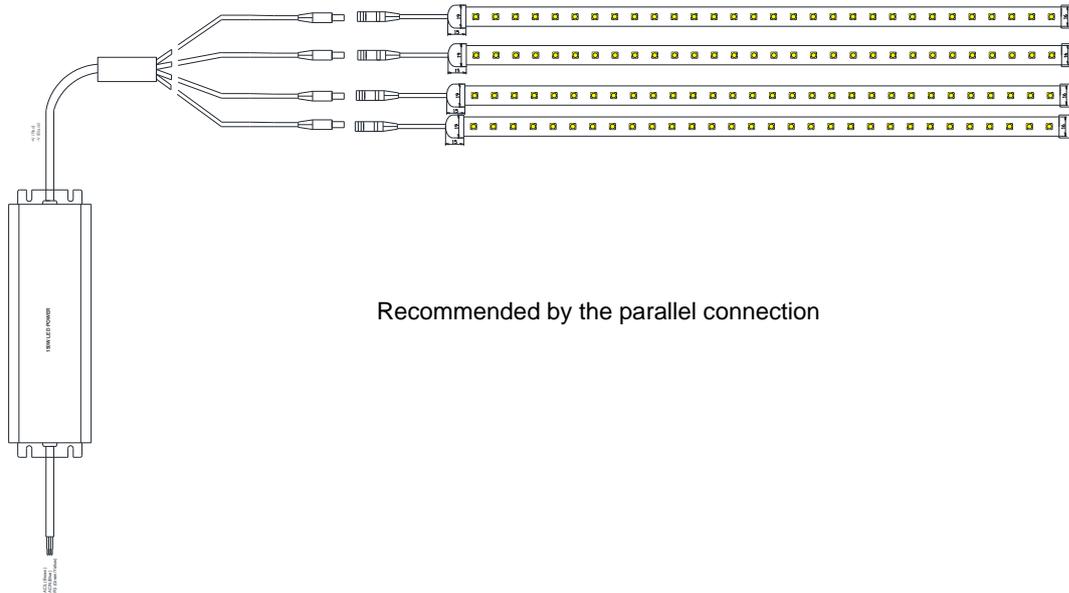
MODEL	Dimensions	Luminous flux <u>Lm</u>	Illuminance Lux(Centre distance)				Power	Input
			Spacing30cm	Spacing1m	Spacing2cm	3M		
Philips T5 14W fluorescent tubes	60cm	1150	550	76	22	14W	220V AC	

LED bar wiring diagram

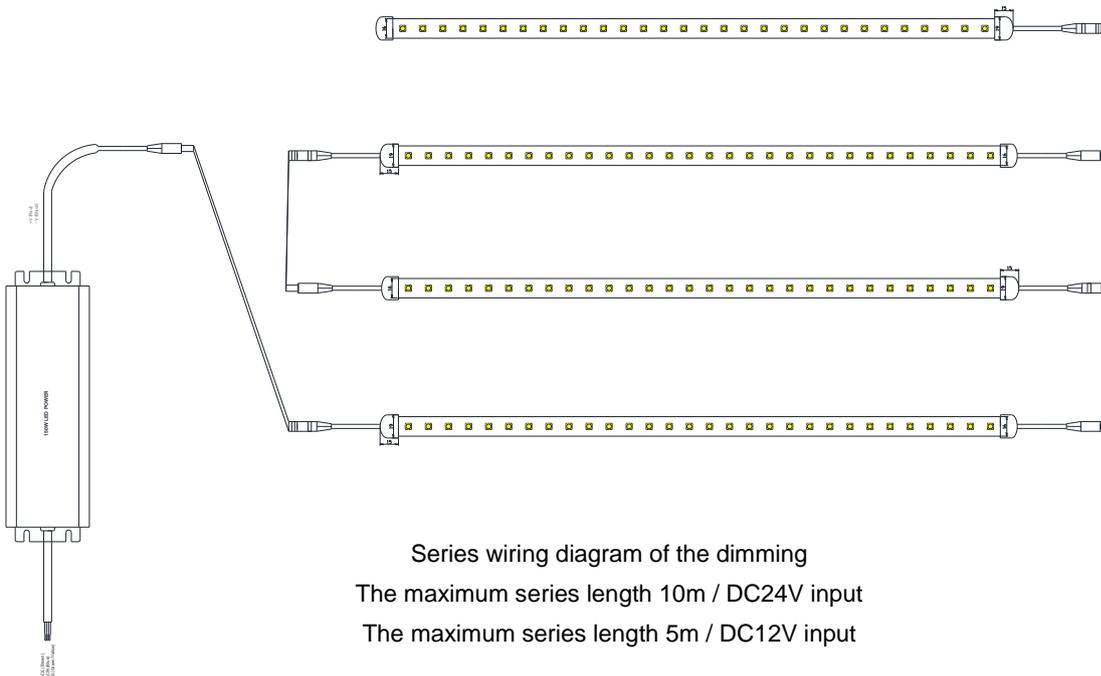


Power

Recommended connection



Recommended by the parallel connection



Series wiring diagram of the dimming

The maximum series length 10m / DC24V input

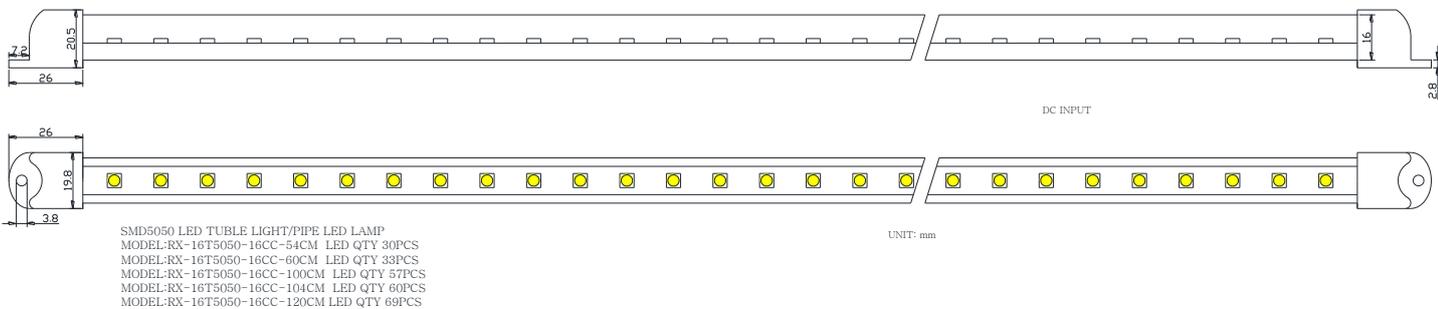
The maximum series length 5m / DC12V input

**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.
13. Please be sure you choose right AC/DC power adaptor to drive LED aluminum panel. If you have difficulty to buy such adaptor locally, please turn to us. (If you use poor quality of the LED power supply; LED panel caused damage, we will not warranty).



RX-16T5050-16CC LED tube