

# LED CCT iron case amplifier



## AP-A22

The AP-A22 CCT amplifier is suitable for PWN-controlled LED controllers, which can amplify the power of the LED controller, and can connect double to triple the number of LED lamps with each additional expander, and can be cascaded, theoretically unlimited power expanders can be connected. It is convenient for the unified control of LED lamps with different voltages, high power and low power. Whether it is our product or other company's products, as long as it is PWN controlled and the voltage is appropriate, you can use this series of power extenders. The use of high-speed lotus root design can achieve extremely low delay time to ensure that multiple units are synchronized with the host when they are cascaded.

## Product parameters

Operating temperature:  $-20^{\circ}\text{C}$  -  $60^{\circ}\text{C}$

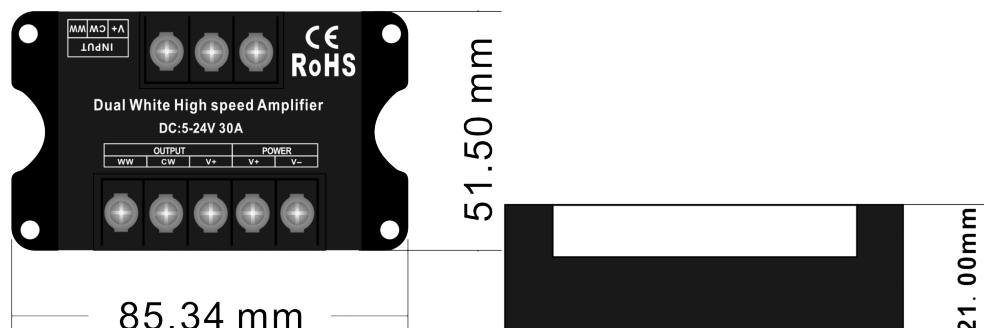
Operating voltage: 12V-24V (specified voltage required for ordering)

Output: 3 channels

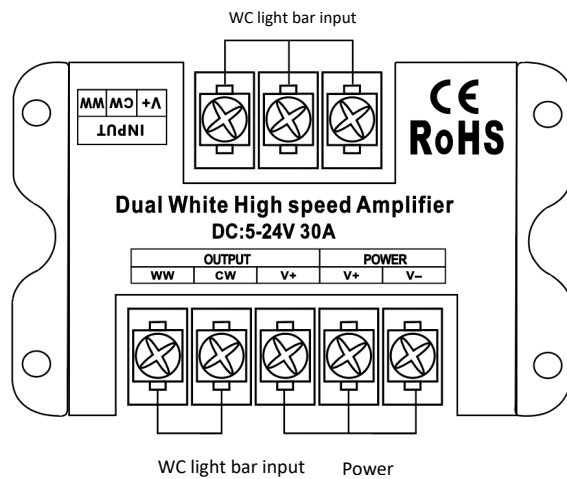
Static power consumption:  $<1\text{W}$

Output power: 12V:  $<144\text{W}$ , 24V:  $<288\text{W}$

Connection: Common anode



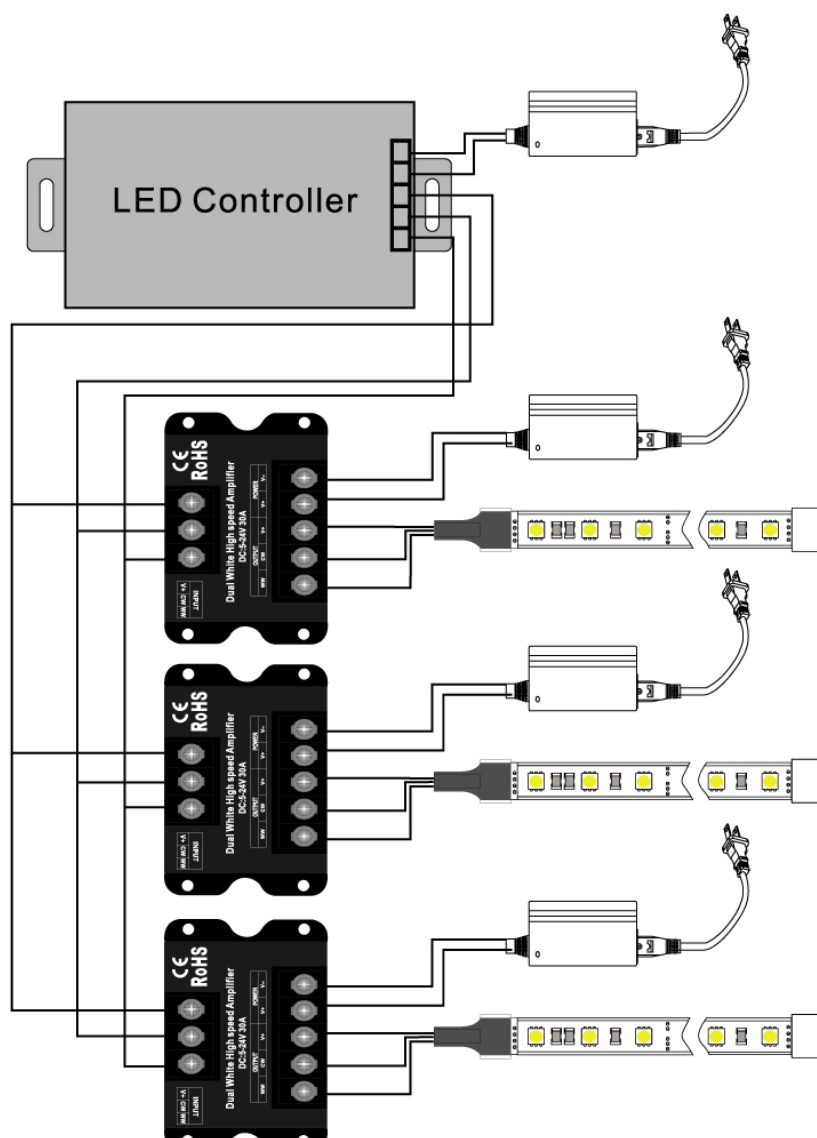
## Product Function Description



## Schematic diagram of wiring

### Parallel mode

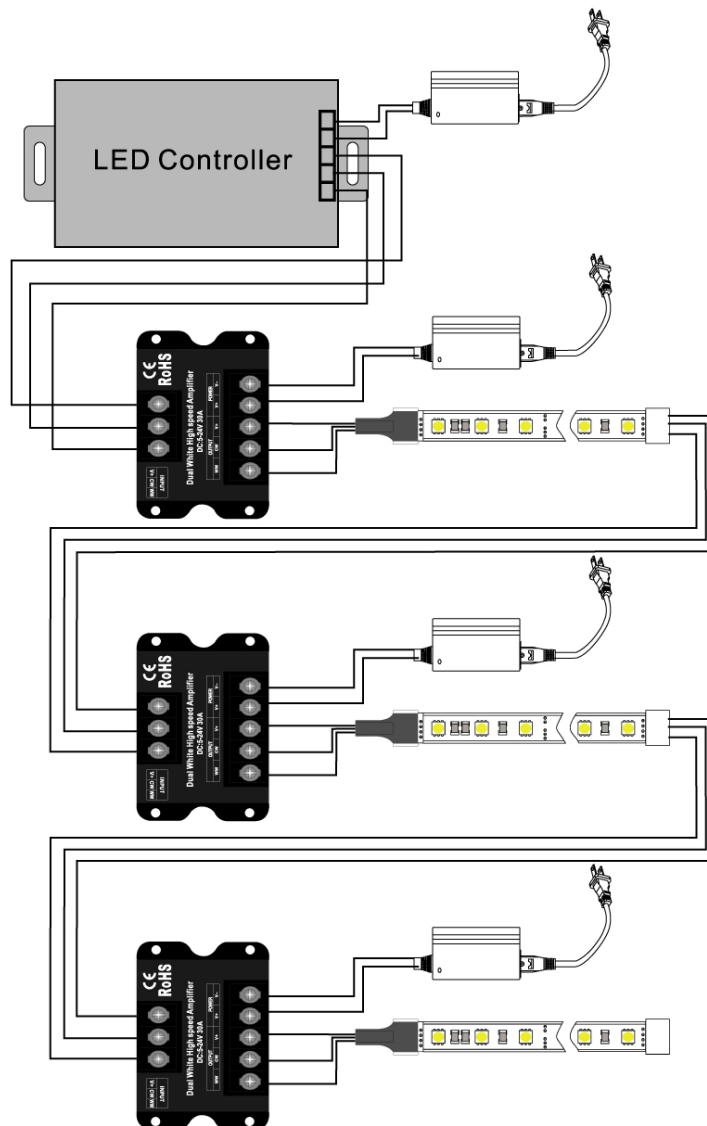
Reduce signal interference (the connection is more troublesome) --- suitable for more needs, and the connection is shown in the figure below



### Tandem mode

Signal is prone to interference through the light bar (simple connection) --- suitable for fewer needs (less than 5)

The connection is shown in the figure below



**Packing information**



White box size	Weight/set	Carton size	Weight/carton (100 PCS)
L85.5*W51.5*H21mm	91.5g	L560×W365×H210mm	9.15kg

## Safety and precautions

- Please debug and install this product by professionally qualified personnel.
- This product cannot be waterproof, need to avoid sun and rain, if installed outdoors, please use a waterproof box.
- Good heat dissipation conditions will prolong the service life of the LED controller, please install the product in a well-ventilated environment.
- Please do not install and use such products in lightning and thunder, strong magnetic fields or high voltage occasions.
- Please check whether the output voltage of the LED power supply used meets the requirements of the product voltage range.
- The diameter of the wires used must be large enough to load the connected LED luminaires, and ensure that the wiring is secure to avoid accidents caused by overheating or poor contact of the wires.
- Before power-on commissioning, make sure that all wiring is correct to avoid damage to the lamp due to miswiring.

## After-sales service

1. Our LED controller products provide lifelong technical support and warranty services:

Free warranty: This product has quality problems within one year from the date of purchase, and our company will give free repair or replacement service.

Paid warranty: Products that exceed the free warranty period will be charged a certain cost of maintenance materials.

2. The following situations are not covered by the free warranty or replacement service:

Man-made damage such as overvoltage, overload, improper operation, etc.

Any wiring errors, flooding (non-waterproof products) and unauthorized repairs.

Any serious damage or serious deformation of the shape due to transportation, knocking, etc.

The shape of the product is severely damaged or deformed.

Damage caused by natural disasters and force majeure causes, such as earthquakes, floods, fires, etc.

3. The company's maximum responsibility for the factory products is to replace the same model and quantity of products.

4. In order to speed up the timeliness of repair or replacement, please indicate the fault phenomenon, the use environment, and the operation done when the fault occurs, so as to ensure that the maintenance situation is dealt with quickly.