

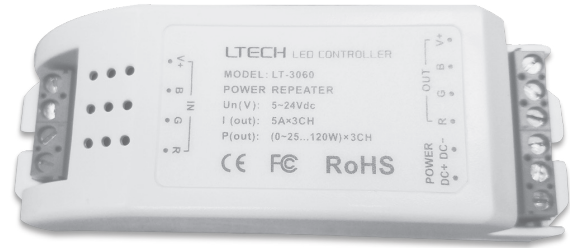
HanleyLED

# RGB AMPLIFIER

RGB Amplifier

## Specifications

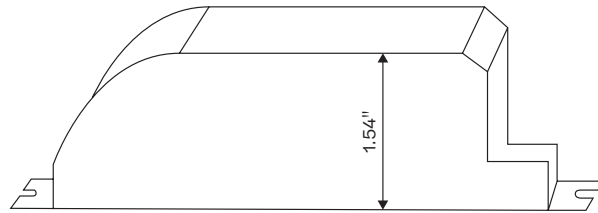
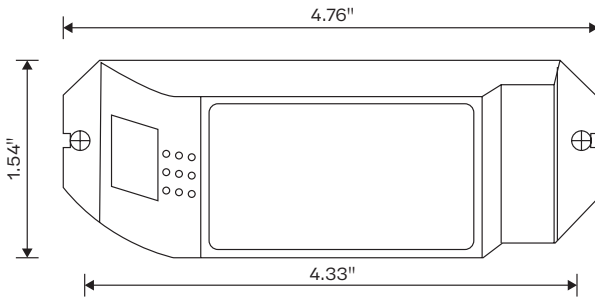
- SKU.....HLED-RGBAMP
- Warranty.....5-Year Product
- Input voltage.....5 ~ 24 VDC
- Max. current load.....5 A x 3 CH, Max. 15 A
- Max. output power.....75 W / 180 W / 360 W (5 V / 12 V / 24 V)
- Operating temp. ....-30° C to +55° C
- Package size (L x W x H).....4.84" x 1.65" x 1.65"
- Total weight (G.W.).....100 g



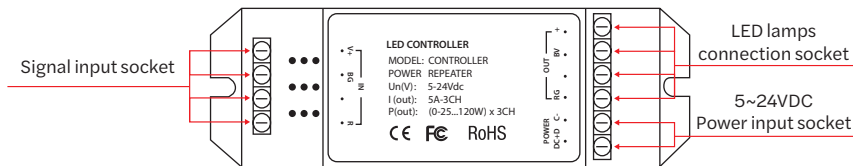
## Features

- Suitable for all power-output style controllers
- Accepts PWM control
- Can run an unlimited amount of amplifiers with HLED-RGBCNTRL

## Dimensions



## Terminal Description



## Use with HLED-RGBCNTRL



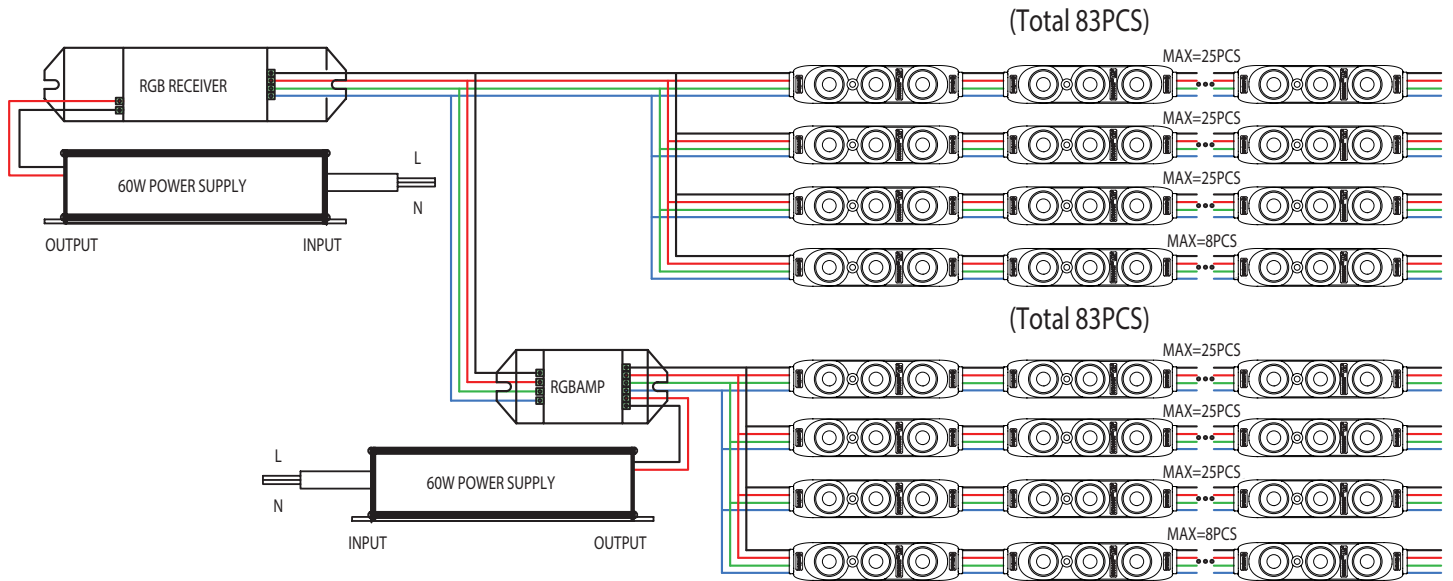
Specifications subject to change without notice.

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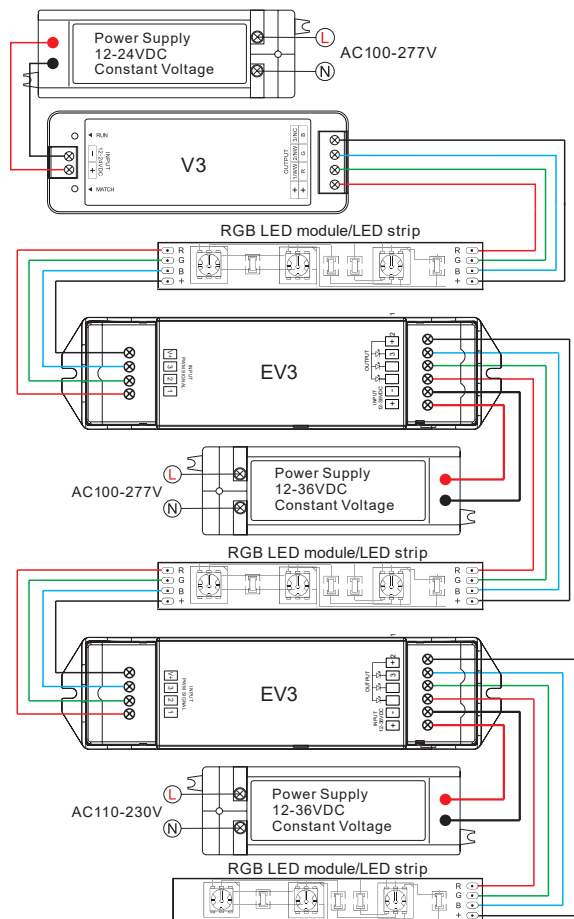
RGB Amplifier

## Wiring Diagram with HLED-RGB2072

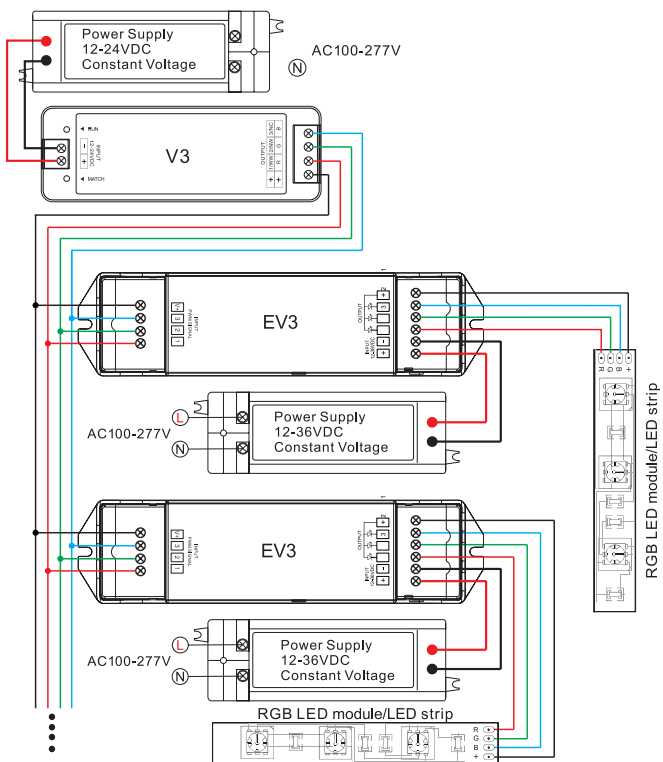


## Wiring Diagram with HFLX-RGB48

### Series Connection



### Parallel Connection



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RGB Amplifier

## User Guide

- Used with various LED PWM constant voltage controller, expand output power of the controller to control more lamps
- A controller can connect unlimited number of LED power repeaters in series or in parallel, and achieve the synchronous control effects

## Safety & Warnings

1. The product shall be installed and serviced by a qualified person.
2. This product is non-waterproof. Please avoid the sun and rain.
3. Good heat dissipation will prolong the working life of the controller. Please ensure good ventilation.
4. Please check if the output voltage of any power supplies used comply with the working voltage of the product.
5. Ensure all wire connections and polarities are correct and secure before applying power to avoid any damages to the LED lights.
6. If a fault occurs, please return the product to your supplier. Do not attempt to fix this product by yourself.

## Malfunctions & Troubleshooting

Malfunctions	Causes	Solutions
No light.	1. No power. 2. Wrong or insecure connection.	1. Check the power. 2. Check the connection.
Wrong color.	1. Wrong connection of RGB wires.	1. Reconnect the RGB wires.
Uneven intensity between front and rear with voltage drop.	1. Output cable is too long. 2. Wire diameter is too small. 3. Overload beyond power supply capability. 4. Overload beyond controller capability.	1. Reduce cable or loop supply. 2. Change wider wire. 3. Replace higher power supply. 4. Add power repeater.

## LED Power Supply Voltage & Power Select

12V lamp, Input 12V power supply, can load 0~216W,  
24V lamp, Input 24V power supply, can load 0~432W,  
36V lamp, Input 36V power supply, can load 0~648W,  
The power supply power must larger than load power 20%.



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