Mini RGB LED Controller

Features

Compatible with all common RGB strips and low voltage RGB lamps, Built-in 16 modes and can be controlled by a small key board. Automatically adapt to LED light which works at DC12V or DC24V. Hardware PWM dimmer without any flashes. High-power MOS driver, the whole current of the RGB three channels reaches to 12A.Compatible with WC12 also.

LC-0RGB-D5-06
Controller

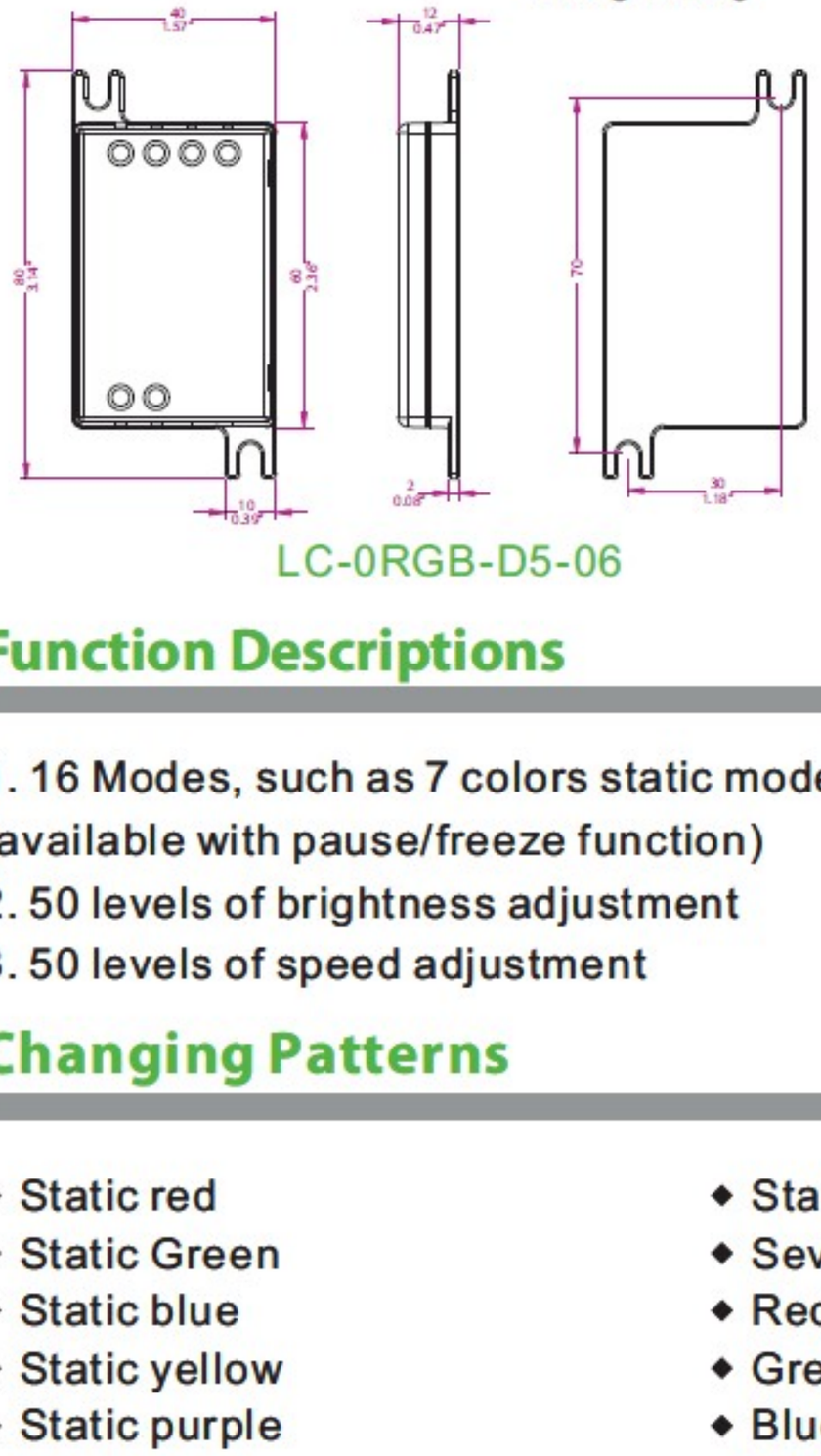
Key board

Technical Parameter

Input Voltage: 12/24V DC
Output channel: three channels of RGB
Output Current: 4A for each channel
Output Power: 144W (12V input) /288W(24V input)

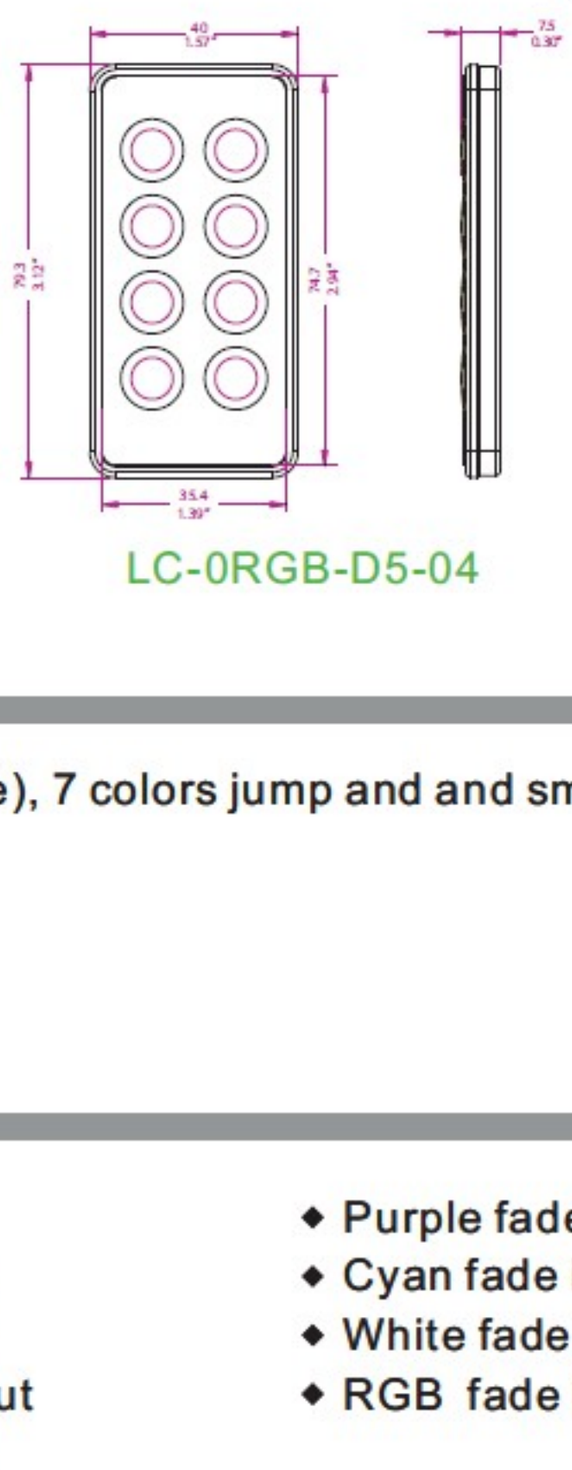
Dimensions (Unit: mm/inch)

Weight: 22g



LC-0RGB-D5-06

Weight: 20g



LC-0RGB-D5-04

Function Descriptions

1. 16 Modes, such as 7 colors static mode (dimming alone), 7 colors jump and and smooth fade (available with pause/freeze function)
2. 50 levels of brightness adjustment
3. 50 levels of speed adjustment

Changing Patterns

- Static red
- Static Green
- Static blue
- Static yellow
- Static purple
- Static Cyan
- Static White
- Seven colors jump
- Red fade in and out
- Green fade in and out
- Blue fade in and out
- Yellow fade in and out
- Purple fade in and out
- Cyan fade in and out
- White fade in and out
- RGB fade in and out

Operation Descriptions

1. Function of key board keys

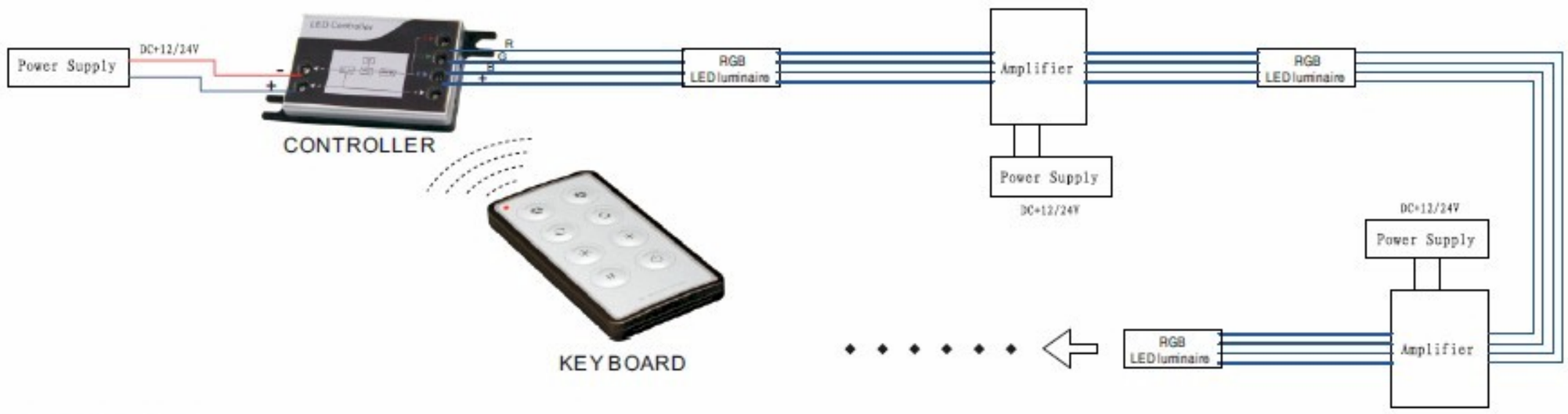
- POWER Power on/off
- PAUSE Freeze the status when fade or jump, invalid under static mode
- MODE+ Mode +
- MODE- Mode-
- SPEED+ Speed+, invalid under static mode
- SPEED- Speed-, invalid under static mode
- BRT+ Brightness+, invalid under light fade mode except pause is enabled
- BRT- Brightness-, invalid under light fade mode except pause is enabled

2. How to match a controller with a key board with different address code?
   If the user loses the key board, an economic way is to keep the controller and buy another key board. Then match these 2 devices.

(1). Connect a RGB LED luminaire. Use a pointed thing (such as small screw driver)to press the address key on the upside. When the LED luminaire changes to red color, it means the controller is ready to match the key board.

(2). Press any key on the key board. If the luminaire changes to green color, it means the controller has already matched the key board.

Controller Installation And Connection Diagram



Cautions

1. Please make sure the average current of each channel not more than 4A, overload may destroy the controller.
2. This controller has the constant voltage driver, the output voltage is the same as the input, so please choose a suitable DC power supply to avoid destroying your product.
3. Use DC 12V/24V power supply ,Civil HVPS is forbidden
4. Need to match with key board only when the present controller doesn't response to the key board.
5. If the controller doesn't work when it is connected with the RGB LED luminaire.

(1) Please check whether the power supply is working.

(2) If the power supply is ok, maybe the controller is under the fade mode and PAUSE function enabled, press the MODE key on the key board several times to change into other modes or disconnect the power supply and connect again.

(3) Match the key board again as before.

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