



2014V1



# 开启 **OPEN** Colorful World 缤纷彩世界

专业LED控制器研发制造商  
Professional LED controller R&D and manufacturer

缤纷色彩，你我共创 We Create Colorful World Together

产品指南  
Catalogue



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Zhuhai Bincolor Electronic Technology Co., Ltd

## 公司简介 Company Introduction

珠海缤彩电子科技有限公司是一家致力于LED控制系统研制生产的高科技企业。公司核心团队拥有多年丰富的行业经验和强大的研发实力，为珠海、中山等地的中小企业提供LED相关产品的开发设计服务，为许多企业的成长提供了强有力的技术支持。我们研制的产品，已经在户外广告牌、大楼亮化工程、室内装饰照明等各种场合得到了广泛应用。

缤彩科技坚持“科技为本，客户为尊”的经营理念，以“品质立业，创新发展”的理念研发、生产产品，为客户细致周到的服务。我们依靠自身雄厚的技术力量以及不断完善的质保，生产、销售及服务体系，致力提供一流产品和最佳解决方案，为客户创造价值。

客户的成功才是我们的成功，缤彩科技以专业的产品、诚信的合作来对待每一位客户，愿与广大客户共创辉煌！



Zhuhai bincolor Electronic Technology Co.,Ltd. (Bicolor) is a high-tech enterprise which is dedicated to development and manufacturing of LED control systems. Bicolor has a core team which boasts its years extensive industry experience, and strong research and development strength in the LED field.

Our products are widely used on various occasions such as billboards, building lighting engineering, indoor decoration lighting, etc.

We insist on Management ideas of "technology-based, customer-respect", and we develop and produce our products based on the concept of "quality first, innovation and development". Moreover, we provide customers with attentive service. Relying on our strong technical force and the continuous improvement of quality assurance, production, sales and service system, we are able to provide first-class products, best solutions, and thus create values for customers.

Customer's success is our success. Bicolor technology is committed to professional products and honesty cooperation to treat every customer, and is willing to create a mutual brilliant future with all the customers.

Our products meet international standards, OEM and ODM orders are welcome.



## 证书与专利 | Certification & Patent



### 多功能RGBW/RGB控制器 | Multi-function RGBW/RGB Controller



BC-420 BC-380-8A BC-350-6A BC-390 BC-390RF BC-380-6A BC-361-4A BC-361-CC

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### LED色温控制器 | LED CT Controller



BC-310 BC-310RF BC-313-CC

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### LED调光器 | LED Dimmer



BC-319 BC-320-010V/PWM10V/PWM5V BC-311 BC-311RF BC-312-4A BC-320-6A BC-320-CC BC-321-10A

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### 0/1-10V DALI LED调光驱动器 | 0/1-10V DALI LED Dimming Driver



BC-331-10A BC-331-CC BC-330-10A BC-330-5A BC-330-CC BC-341 BC-343 BC-344

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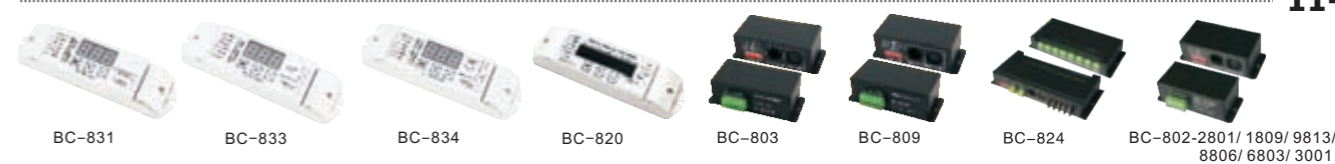
### 调光信号转换器 | Dimming Signal Converter



BC-964-010V/PWM10V/PWM5V BC-334-PWM10V/PWM5V BC-344-010V/PWM10V/PWM5V BC-834-010V/PWM10V/PWM5V

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### DMX解码器 | DMX512 Decoder



BC-831 BC-833 BC-834 BC-820 BC-803 BC-809 BC-824 BC-802-2801/1809/9813/8806/6803/3001

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### DMX512控制器/驱动器 | DMX512 Controller/Driver



BC-100-DMX512 BC-870 BC-812

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### LED功率扩展器 | LED Power Repeater



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### 可调光驱动 | Dimming Driver



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“PUSH” YOUR COLOR



## RGBW控制器 BC-420 RGBW Controller

欢迎使用此款恒压型RGBW控制器，采用PWM(脉宽调制)数字化亮度调节技术；通过拨码开关和双联按压式按键开关来切换调节变化模式，适用于控制RGBW的LED照明灯具产品。

Welcome to use this constant voltage RGBW controller, it adapts PWM (Pulse-Width Modulation) digital brightness control technology; it changes the dimming modes by DIP switch and duplex push dim button, it's suitable for all DC input constant voltage RGBW LED lights.

### 功能特点

- 自动适应DC12V-24V电压输入。
- 4通道输出，每路4096级灰度，调节灯光细腻无频闪。
- 静态和动态两种模式切换
- 上电下电记忆功能。
- 输出过流保护、短路保护。

### 产品参数

输入电压:	DC12V-24V
最大输出负载电流:	RGB:3A×3CH W:9A×1CH
最大输出功率:	RGB:36W×3CH W:108W(12V)/ RGB:72W×3CH W:216W(24V)
灰度等级:	4096级×4
输出信号:	4通道恒压PWM
产品尺寸:	L176×W46×H30(mm)
重量:	145g

### Feature function:

1. Automatically adapts to DC12V-24V.
2. 4 output channels, each channel 4096 grey scale, Lamplight soft and stable, without flicker
3. Static and color changing modes selectable.
4. Power loss memory function.
5. Over current protection, short circuit protection.

Input Voltage:	DC12V-24V
Max Output Current:	RGB: 3A×3CH W: 9A×1CH
Max Output Power:	RGB:36W×3CH W:108W(12V) / RGB:72W×3CH W:216W(24V)
Grey Scale:	4096 levels×4
Output Signal:	4CH constant voltage PWM
Product Size:	L176×W46×H30(mm)
Weight:	145g

Over current protection,  
short circuit protection

## RGB控制器 BC-380 RGB Controller

BC-380-8A多功能LED RGB控制器是升级版的DIY LED控制器，加入自定义编程功能，用户通过按键，几秒钟就能编辑出自己喜欢的色彩变化模式，它可用于控制四线三回路（共阳极）LED灯的RGB颜色变化。它有12种内置模式，6种自定义模式，各种模式可随意切换跳变、渐变、频闪三种类型，让你的灯光变化更加丰富多彩。

BC-380-8A multifunctional LED RGB controller is a upgraded DIY LED controller, it added custom programming function, you can program your favorite color change modes within a few seconds. it can control color changes of LED lights with 4-pin 3-channels (Common anode), It has 12 kinds of built-in modes, 6 kinds of custom modes, which can be change to any of the color skipping, color smooth and color flicker, makes your LED light changes more rich and colorful.

### 恒压型 Constant Voltage

输入电源:	DC5V-DC36V
最大负载电流:	8A/每通道×3
最大输出功率:	120W(5V)/290W(12V)/580W(24V)/865W(36V)
功能模式:	12种内置模式+6种自定义模式
灰度级别:	4096级/路×3
静态调色:	RGB各16级可调配出4096种颜色
产品尺寸:	L142×W73×H30(mm)
重量:	415g
遥控距离:	无障碍物10米
控制类型:	共阳

Input Voltage:	DC5V-DC36V
Max Load Current:	8A/CH×3
Max Load Power:	120W(5V)/290W(12V)/580W(24V)/865W(36V)
Changing Mode:	12 built-in modes, 6 custom modes
Scale Level:	4096 steps per RGB
Static Dimming:	mixing up 4096 colors
Dimension:	L142×W73×H30(mm)
Weight (G.W):	415g



Over current protection,  
short circuit protection

## BC-350-6A

### 恒压型 Constant Voltage

输入电源:	DC12V-DC24V
最大负载电流:	6A/每通道×3
最大输出功率:	220W(12V)/440W(24V)
灰度级别:	4096级/CH×3
变化模式:	37种
速度级别:	16种
亮度级别:	16种
遥控距离:	有障碍物30米，无障碍物60米
产品尺寸:	L176×W46×H30(mm)
重量:	210g

Input Voltage	DC12V-DC24V
Output Current	6A/3CH
Output Power	220W(12V)/440W(24V)
Scale Levels	4096 level ×3
Mode	37modes
Speed Level	16 levels
Brightness Level	16levels
Remote Control Distance	30m with obstacle, 60m without obstacle
Dimension	L176×W46×H30(mm)
Weight	210g



Over current protection,  
short circuit protection



## RGB控制器 RGB Controller

型号 Model	BC-390	BC-390RF
输入电压 Input Voltage	DC5V-DC24V	DC12V-DC24V
输出电流 Output Current	8A/CH×3	8A/CH×3
输出功率 Output Power	120W(5V)/290W(12V)/580W(24V)	290W(12V)/580W(24V)
灰度等级 Scale Levels	4096级/路×3 4096 level/CH×3	4096级/路×3 4096 level/CH×3
遥控距离 Remote Control Distance	无 No	无线遥控, 无障碍60米, 有障碍30米 RF remote, 60m without obstacle, 30m with obstacle
产品尺寸 Product Dimension	L165×W56×H36(mm)	L165×W56×H36(mm)
产品重量 Weight (G.W)	170g	210g
特色功能 Feature Function	触控型, 36种模式, 过流保护, 短路保护 Touch type, 36 fantastic modes, Over current protection and short circuit protection.	



恒流型

## RGB控制器 RGB Controller

型号 Model	BC-380-6A	BC-361-4A	BC-361-CC
输入电压 Input Voltage	DC12V-DC24V	DC12V-DC24V	DC12V-DC48V
输出电流 Output Current	6A/CH×3	4A/CH×3	350mA(700mA)/CH×3
输出功率/驱动LED数量 Output Power/ Driving LEDs	220W(12V)/440W(24V)	144W(12V)/288W(24V)	12V: 1-3pcs 1W(3W) LED 24V: 1-6pcs 1W(3W) LED 36V: 1-9pcs 1W(3W) LED 48V: 1-12pcs 1W(3W) LED
灰度等级 Scale Levels	4096级/路×3 4096 level/CH×3	4096级/路×3 4096 level/CH×3	4096级/路×3 4096 level/CH×3
遥控距离 Remote Control Distance	红外遥控, 无障碍10米 IR remote, 10m without obstacle	无线遥控, 无障碍60米, 有障碍30米 RF remote, 60m without obstacle, 30m with obstacle	无线遥控, 无障碍60米, 有障碍30米 RF remote, 60m without obstacle, 30m with obstacle
产品尺寸 Product Dimension	L142×W73×H30(mm)	L125×W45×H36(mm)	L125×W45×H36(mm)
产品重量 Weight (G.W)	415g	130g	145g
特色功能 Feature Function	18种模式, DIY功能 18 Changing mode, DIY function	17种模式 17 fantastic modes	17种模式 17 fantastic modes

## 色温控制器 LED CT Controller

### BC-310RF 恒压型



BC-310系列LED色温控制器是一款高性能的色温控制器, 采用PWM(脉宽调制)数字化亮度调节技术; 通过调节两路不同光色的LED进行色温调节, 适用于控制所有采用两支路的LED照明灯具产品。它采用阻燃PC工程塑料外壳, 触摸式功能按钮, 磨砂面膜, 美观大方, 欢迎试用。

BC-310series LED color-temperature controller is a universal high-performance color-temperature controller, which adopted the most advanced PWM (Pulse-Width Modulation) digital brightness-adjusting. Changing the color temperature by adjusting two different light colors, it suits for all 2 channel LED lights.

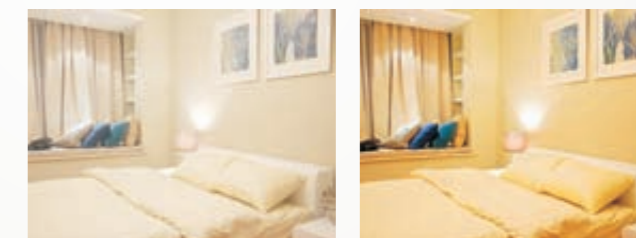
#### 功能特点

- 触摸式功能按钮, 使用寿命更长。
- 自动适应DC5V-24V或DC12V-24V工作电压范围内的LED灯具。
- 真正的0~100%亮度调节, 4096级灰度, 调节灯光柔和稳定细腻, 色温控制精准。
- 两通道各8A电流输出, 可以满足负荷工作, 功率不够时可外接功率扩展器放大功率。

#### Feature function:

- Automatically adapt to LED light which works from DC5V-24V or DC12V-24V.
- Real 0~100% brightness adjust, 4096 scale levels. Lamplight soft and stable, without flicker, precisely control color temperatures.
- Max 8A×2CH output. Working with power repeater to expand power output unlimitedly.
- 2 DIY modes, easy to replay your favorite settings.
- Soft touch button with friendly experience.

### BC-313 恒流型



## 色温控制器 LED CT Controller

型号 Model	BC-310	BC-310RF	BC-313-CC
输入电压 Input Voltage	DC5V-DC24V	DC12V-DC24V	DC12V-DC48V
输出电流 Output Current	8A/CH×2	8A/CH×2	350mA/700mA×2CH
输出功率 Output Power	80W(5V)/192W(12V)/384W(24V)	192W(12V)/384W(24V)	驱动LED数量: 12V: 1-3pcs 1W(3W) LED 24V: 1-6pcs 1W(3W) LED 36V: 1-9pcs 1W(3W) LED 48V: 1-12pcs 1W(3W) LED
灰度等级 Scale Levels	4096级/路×2 4096 level/CH×2	4096级/路×2 4096 level/CH×2	4096级/路×2 4096 levels
遥控距离 Remote Control Distance	无 No	无线遥控, 有障碍物30米, 无障碍60米 RF remote, 60m without obstacle, 30m with obstacle	无线遥控, 有障碍物30米, 无障碍60米 RF remote, 60m without obstacle, 30m with obstacle
产品尺寸 Product Dimension	L165×W56×H36(mm)	L165×W56×H36(mm)	L125×W45×H36(mm)
产品重量 Weight (G.W)	160g	200g	140g

# LED调光器 BC-319 LED Dimmer

面板灯调光器

该系列 LED调光器是一款高性能的LED调光器，采用PWM(脉宽调制)数字化亮度调节技术；可控制多种恒流LED灯具，LED投光灯、LED洗墙灯、LED灯杯、LED射灯、LED筒灯、LED天花灯、LED壁灯、LED吸顶灯、LED吊灯等等。该系列调光器调光效果好，无任何闪烁，真正的0-100%,4096灰度级调光，特别在低亮度时更能显示出优势，欢迎比较。

LED intelligent dimmer is dedicated to adjust the brightness of LED lights, which adopted the most advanced PWM (Pulse-Width Modulation) digital brightness-adjusting technology at present. It's suitable for adjusting the brightness of low-power and hi-power LED illumination lights LED bar, LED lamp tape, wall lamp, LED spotlights, LED lamp, LED droplight etc.,

It's real 0~100% brightness adjusting, 4096 scale levels. It works more advantageous especially in low brightness. Welcome to compare.



## 功能特点

- 自动适应DC12V-48V工作电压范围内的LED灯具。
- 体积小，安装方便。
- 真正的0~100%亮度调节，4096级灰度，符合人眼特性的特殊处理，调节灯光柔和和稳定细腻。
- 延时关灯、调光缓变等多项人性化设计。
- 25%、50%、75%、100%四种亮度快速选择功能。
- 体积小，安装方便。
- 配合功率扩展器使用，可无限的放大输出功率。

## Feature function:

- Automatically adapt to LED light which works from DC12V-48V.
- Real 0~100% brightness adjust, 4096 scale levels. Comfort to human eye visual characteristic. Lamplight soft and stable, without flickers, welcome to compare.
- Constant current 350mA, 700mA, Maximum 2700mA (set before shipping.)
- Delay off button, LED Indicator, users friendly.
- 25%、50%、75%、100% 4 brightness shortcuts.
- Flexible, easy to install.
- Working with power repeater to expand power output unlimitedly. Power loss memory function.

### BC-319

输入电源: DC12V-DC48V  
输出电流: 350mA、700mA、1050mA...最大2700mA  
(具体电流值由客户下单时确定)  
输出信号: 恒流PWM  
调光范围: 0-100%  
灰度等级: 4096级  
遥控距离: 无线遥控, 有障碍物30米, 无障碍物60米  
产品尺寸: L125×W45×H36(mm)  
重量: 135g

Input Power: DC12V~DC48V  
Output Signal: Constant Current PWM  
Max Load Current: 350mA、700mA、1050mA...Max2700mA  
(As per customer request before shipping)  
Dimming Range: 0-100%  
Grey Step: 4096 levels  
Remote Control Distance: RF, 30m with obstacles; 60m without obstacles  
Switch Size: L125×W45×H36(mm)  
Gross Weight: 135g

## LED调光器 LED Dimmer



型号 Model	BC-320-010V	BC-320-PMW10V	BC-320-PMW5V
输入电压 Input Voltage	AC85-265V		
输出电流 Output Current	10A		
输出信号 Output Power	0-10V 模拟信号 0-10V analog signal	PWM 10V信号 PWM 10V signal	PWM 5V信号 PWM 5V signal
遥控距离 Remote Control Distance	10M		
产品尺寸 Product Dimension	L87×W87(mm)		
产品重量 Weight (G.W)	200g		
特色功能 Feature Function	高压输入, 隔离电源, 配套调光电源使用 high voltage input, Isolated Power, Please select the suitable dimmer according to the type of dimming signal of the dimmable power supply.		



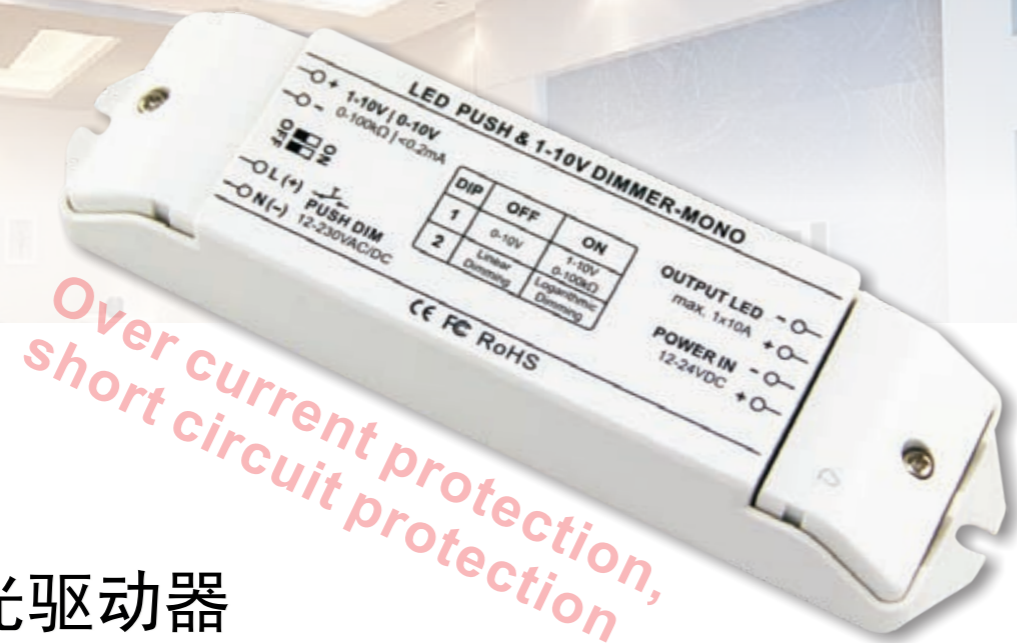
## LED调光器 LED Dimmer

型号 Model	BC-311	BC-311RF	BC-312-4A
输入电压 Input Voltage	DC5-24V	DC12-24V	DC12-24V
输出电流 Output Current	8A/CH×3	8A/CH×3	4A/CH×1
输出功率 Output Power	120W(5V)/290W(12V)/580W(24V)	290W(12V)/580W(24V)	48W(12V)/96W(24V)
灰度等级 Scale Levels	4096级/路×3 4096 level/CH×3	4096级/路×3 4096 level/CH×3	4096级 4096 level
遥控距离 Remote Control Distance	无	无线遥控, 无障碍60米, 有障碍30米 RF remote, 60m without obstacle, 30m with obstacle	无线遥控, 无障碍60米, 有障碍30米 RF remote, 60m without obstacle, 30m with obstacle
产品尺寸 Product Dimension	L165×W56×H36 (mm)	L165×W56×H36 (mm)	L72×W36×H25 (mm)
产品重量 Weight (G.W)	165g	205g	90g
特点 Feature Function	触控型 Touch type	触控型 Touch type	小体积 Mini size



## LED调光器 LED Dimmer

型号 Model	BC-320-6A	BC-320-350/700	BC-321
输入电压 Input Voltage	DC12-48V	DC12-48V	DC12-24V
输出电流 Output Current	6A/CH×1	350mA(700mA)/CH×1	10A/CH×1
输出功率/LED数量 Output Power/Driving LEDs	72W(12V)/144W(24V)/ 216W(36V)/288W(48V)	12V: 1-3pcs 1W(3W) LED 24V: 1-6pcs 1W(3W) LED 36V: 1-9pcs 1W(3W) LED 48V: 1-12pcs 1W(3W) LED	120W(12V)240W(24V)
灰度等级 Scale Levels	4096级 4096 level	4096级 4096 level	4096级 4096 level
遥控距离 Remote Control Distance	红外遥控, 无障碍10米 IR remote, 10m without obstacle	红外遥控, 无障碍10米 IR remote, 10m without obstacle	无 No
产品尺寸 Product Dimension	L87×W87 (mm)	L87×W87 (mm)	L87×W87 (mm)
产品重量 Weight (G.W)	170g	170g	150g
特点 Feature Function	86开关外型, 旋钮调光 Standard 86-style socket, Infinite knob style dimming		



## 0/1-10V调光驱动器

## 0/1-10V Dimming Driver

该系列驱动器是为了解决LED灯具和传统的荧光灯具不能同时使用而特别开发的产品。使用该产品，可以更好地让LED灯具嵌入到传统的荧光灯调光系统，解决了由于LED灯具和荧光灯具调光原理不兼容的问题。  
0/1-10V dimmer controller is to solved the compatible problem of fluorescent dimming controller and LED illumination; this controller can dim both fluorescent and LED lamps the same time.

### 功能特点

- 自动适应DC12V~24V的工作电压。
- 单路输出10A×1路。
- Push dim输入电压AC/DC12-230V。
- 0/1-10V调光信号至PWM调光信号转换，主动、被动可选。
- 支持线性调光或对数调光。
- 输出短路保护，过流保护。
- 兼容各大品牌照明调光系统接口。
- 可多个调光驱动连接工作，或添加我司功率放大器无限放大。

### Feature function:

- Working voltage from DC12V-DC24V;
- 1 output channel, 10A totally. Optical isolation protection for input & output;
- PUSH DIM input vltage AC/DC12-230V;
- 0/1-10V to PWM dimming signal conversion, linear or log;
- Support linear dimming or logarithmic dimming;
- Short circuit protection; over current prtction;
- Compatible with many brand dimming systems;
- Multi units can be worked together or use our power repeaters to control more lamps.

### BC-331-10A 恒压型 Constant Voltage

输入电源: DC12V-DC24V  
最大负载电流: 10A/CH x 1CH  
信号输入: 0/1-10V或 PUSH DIM  
输出信号: 恒压PWM  
输出最大功率: 120W(12V)/240W(24V)  
灰度等级: 4096级  
产品尺寸: L176×W46×H30(mm)  
重量: 125g

Input Voltage: DC12V-24V  
Max Current: 10A/CH 1CH  
Input Signal: 0/1-10V or PUSH DIM  
Output Signal: Constant Voltage PWM  
Max Output Power: 120W(12V)/240W(24V)  
Grey Scale: 4096 levels  
Product Dimension: L176×W46×H30(mm)  
Weight: 125g

### BC-331-CC 恒流型 Constant Current

输入电源: DC12V-DC48V  
最大负载电流: 350mA, 700mA, 1050mA...最大2700mA  
(具体电流值由客户下单时确定)  
信号输入: 0/1-10V或 PUSH DIM  
输出信号: 恒流PWM  
输出最大功率: 120W(12V)/240W(24V)  
灰度等级: 4096级  
产品尺寸: L176×W46×H30(mm)  
重量: 125g

Input Voltage: DC12V-48V  
Max Current: 350mA, 700mA, 1050mA...Max2700mA  
(As per customer request before shipping)  
Input Signal: 0/1-10V or PUSH DIM  
Output Signal: Constant Current PWM  
Max Output Power: 120W(12V)/240W(24V)  
Grey Scale: 4096 levels  
Product Dimension: L176×W46×H30(mm)  
Weight: 125g



### 0/1-10V 调光驱动器 0/1-10V Dimming Driver

型号 Model	BC-330-10A	BC-330-5A	BC-330-CC
输入电压 Input Voltage	DC12-24V	DC12-24V	DC12-48V
输出电流 Output Current	10A/CH×1	5A/CH×3	350mA(700mA,1050mA)/CH×1
输出功率/LED数量 Output Power/Driving LEDs	120W(12V)240W(24V)	180W(12V)360W(24V)	12V: 1-3pcs 1W(3W,5W) LED 24V: 1-6pcs 1W(3W,5W) LED 36V: 1-9pcs 1W(3W,5W) LED 48V: 1-12pcs 1W(3W,5W) LED
产品尺寸 Product Dimension	L125×W45×H36 (mm)	L125×W45×H36 (mm)	L125×45×H36 (mm)
产品重量 Weight (G.W)	85g	100g	90g
特点 Feature Function	输入信号光电隔离 Optical isolation protection for input		



## DALI调光驱动器 DALI Dimming Driver

欢迎使用DALI调光驱动器，该款LED调光驱动器输入标准DALI信号，采用了最新的DALI标准IEC62386，可与任何符合DALI协议的设备同接在一条总线控制，实现LED照明产品跟传统照明融合在同一套照明系统里面，还加入了输出短路、过流保护，使LED灯具更稳定工作，避免造成灯具损坏。

Our DALI dimming driver, which is input standard DALI signal and adopted the most advanced DALI standard IEC62386. It can meet with any equipment in line with the DALI protocol on a bus control, and realize the LED lighting products with traditional lighting integrate within the same set of lighting system. We also add short circuit protection, over-current protection, makes the LED lamps more stable, and to avoid the damage of the LED lamps.

### 功能特点:

- 自适应DC12-24V恒压开关电源;
- 可与任何符合DALI协议的设备同接在一条总线控制;
- 灰度等级4096级, 调光效果细腻柔和, 无闪烁;
- 输出短路、过流保护;

### Feature function:

- Automatically adapts input voltage DC12V-24V.
- can meet with any equipment in line with the DALI protocol on a bus control.
- 4096 scale levels, lamplight soft and stable, without flickers.
- Over current protection and short circuit protection.



BC-341



BC-343



BC-344

### DALI调光驱动器 DALI Dimming Driver

型号 Model	BC-341	BC-343	BC-344
输入电压 Input Voltage	DC12-24V	DC12-24V	DC12-24V
输出电流 Output Current	10A/CH×1	5A/CH×3	RGB: 3A/CH×3 W: 9A/CH×1
输出功率 Output Power	120W(12V)240W(24V)	180W(12V)360W(24V)	RGB:36W×3CH W:108W(12V)/ RGB:72W×3CH W:216W(24V)
输入信号 Input Signal	DALI调光信号 DALI Dimming signal	DALI调光信号 DALI Dimming signal	DALI调光信号 DALI Dimming signal
灰度等级 Grey Scale	4096级 4096 level	4096级 4096 level	4096级 4096 level
产品尺寸 Product dimension	L176×W46×H30 (mm)	L176×W46×H30 (mm)	L176×W46×H30 (mm)
产品重量 Weight (G.W)	125g	140g	145g
特点 Feature Function	过流保护, 短路保护 Over current protection, Short circuit protection		

## 调光信号转换器 Dimming Signal Converter



### 调光信号转换器 Dimming Signal Converter

型号 Model	BC-964-010V / PWM10V / PWM5V	BC-334-PWM10V / PWM5V
输入电压 Input Voltage	DC12-24V	DC12-24V
输入信号 Input Signal	恒压, 恒流型PWM信号 CV, CC PWM Signal	0/1-10V模拟信号×4CH 0/1-10V Analog Signal
输出信号 Output Signal	0-10V模拟信号(Analog signal)×4CH/ 10V PWM×4CH/ 5V PWM×4CH	10V PWM×4CH/ 5V PWM×4CH
产品尺寸 Product Dimension	L176×W46×H30(mm)	L176×W46×H30(mm)
产品重量 Weight(G.W)	135g	135g

### 调光信号转换器 Dimming Signal Converter

型号 Model	BC-344-010V / PWM10V / PWM5V	BC-834-010V / PWM10V / PWM5V
输入电压 Input Voltage	DC12-24V	DC12-24V
输入信号 Input Signal	DALI 调光信号 DALI Dimming Signal	DMX512/1990
输出信号 Output Signal	0-10V模拟信号(Analog signal)×4CH/ 10V PWM×4CH/ 5V PWM×4CH	0-10V模拟信号(Analog signal)×4CH/ 10V PWM×4CH/ 5V PWM×4CH
产品尺寸 Product Dimension	L176×W46×H30(mm)	L176×W46×H30(mm)
产品重量 Weight(G.W)	130g	175g
特点 Feature Function	/	输入信号接错保护 Wrong wiring protection at DMX port



# DMX512功率型解码器

## DMX512 Power Decoder



BC-834



BC-833



BC-831

### 功能特点

- 自动适应DC12V-24V电压输入。
- DMX512国际标准协议输入，3位数码管显示DMX地址码。
- 每通道4096级灰度，对数型调光，显示细腻无频闪。
- 支持DMX主模式，从模式。
- 主模式自带多种花样模式，10级变化速度。
- 接收DMX512信号状态指示功能。
- DMX信号线接错保护，输出过流保护、短路保护。

### Feature function:

- Automatically adapt input voltage DC12V-24V.
- Input standard DMX512 signal; 3-digital-display tube shows DMX address code.
- 4096 grey scales each; logarithmic dimming; lamplight soft & stable without strobe flash.
- DMX Master mode, Slave mode available.
- Multi color changing modes and 10 speed scales in master mode.
- Wrong wiring protection at DMX input port.
- Over current protection and short circuit protection. Over current protection and short circuit protection.

### DMX512功率型解码器 DMX512 Power Decoder

型号 Model	BC-831	BC-833	BC-834
输入电压 Input Voltage	DC12V-24V	DC12V-24V	DC12V-24V
输出电流 Output Current	10A/CH×1	5A/CH×3	RGB:3A/CH×3 W:9A/CH×1
输出功率 Output Power	120W(12V)/240W(24V)	180W(12V)/360W(24V)	RGB:36W×3CH W:108W(12V)/ RGB:72W×3CH W:216W(12V)
输入信号 Input Signal	DMX512/1990	DMX512/1990	DMX512/1990
输出信号 Output Signal	恒压型PWM信号 Constant Voltage PWM signal	恒压型PWM信号 Constant Voltage PWM signal	恒压型PWM信号 Constant Voltage PWM signal
灰度等级 Scale Levels	4096级 4096 levels	4096级 4096 levels	4096级 4096 levels
DMX512插座类型 DMX512 Socket	接线端子 Terminal Block	接线端子 Terminal Block	接线端子 Terminal Block
产品尺寸 Product Dimension	L176×W46×H30 (mm)	L176×W46×H30 (mm)	L176×W46×H30 (mm)
产品重量 Weight (G.W)	170g	170g	175g
特点 Feature Function	过流，短路保护，信号接错保护 Over current protection and short circuit protection. Wrong wiring protection at DMX port		



### DMX512功率型解码器 DMX512 Power Decoder

型号 Model	BC-803	BC-809-350(700)	BC-824
输入电压 Input Voltage	DC5V-24V	DC12V-48V	DC12V-24V
输出电流 Output Current	5A/CH×3	350mA(700mA)/CH×3	3A/CH×24
输出功率/LED数量 Output Power/Driving LEDs	75W(5V)/180W(12V)/360W(24V)	12V: 1-3pcs 1W(3W) LED 24V: 1-6pcs 1W(3W) LED 36V: 1-9pcs 1W(3W) LED 48V: 1-12pcs 1W(3W) LED	860W(12V)/1720W(24V)
输入信号 Input Signal	DMX512/1990	DMX512/1990	DMX512/1990
输出信号 Output Signal	恒压型PWM信号 Constant voltage PWM signal	恒流型PWM信号 Constant current PWM signal	恒压型PWM信号 Constant voltage PWM signal
灰度等级 Scale Levels	256级 256 levels	256级 256 levels	256级 256 levels
DMX512插座类型 DMX512 Socket	标准XLR-3R卡隆插 Standard XLR-3R	标准XLR-3R卡隆插 Standard XLR-3R	标准XLR-3R卡隆插、KF2EDG接线端子 Standard XLR-3R、KF2EG Terminal Block
产品尺寸 Product Dimension	L125×W52×H40 (mm)	L125×W52×H40 (mm)	L260×W110×H40 (mm)
产品重量 Weight (G.W)	315g	340g	920g



## BC-820 DMX512信号解码器 DMX512 Signal Decoder



欢迎使用此款DMX512信号解码器，该解码器专为LED灯具开发，采用先进的微电脑控制技术，把国际上广泛采用的DMX512/1990标准数码控制信号转换成各种LED驱动芯片的控制信号。使不具备接入DMX512系统的灯具具备接入DMX512系统的功能。

Welcome to use the DMX512 signal decoder, it is developed specially for LED lamps. It adapts the most advantage microchip technology, to convert the universal standard DMX512/1990 signal into various LED driving IC signals, and allows the LED lamps controlled by DMX512 protocol.

### 功能特点

- 自动适应DC5V-24V电压输入。
- DMX512国际标准协议输入。
- 采用LCD液晶菜单显示，直观方便。
- 支持多种幻彩LED驱动IC。
- 支持DMX主模式，从模式。
- 输出保险丝过流保护，DMX接口保护。

### Feature function:

- Automatically adapts input voltage DC5V-24V.
- Input standard DMX512 protocol.
- Adapts LCD display, user friendly
- Support various LED dream color driving ICs.
- Support DMX master mode or slave mode.
- Over current fuse protection at output port, Wrong wiring protection at DMX input port.

### BC-820

输入电源:	DC5V-DC24V	Input Power:	DC5V-DC24V
信号输入:	DMX512/1990	Input Signal:	DMX512/1990
信号输出:	6803/8806/2811/2801/3001/9813可选	Output Signal:	6803/8806/2811/2801/3001/9813selectable
占用DMX通道:	510通道	Driving Channel:	510 Channels
控制全彩点数:	170	Control Pixel:	170
产品尺寸:	L176×W46×H30(mm)	Dimension:	L176×W46×H30(mm)
重量:	180g	Weight (G.W):	180g



## DMX512信号解码器 DMX512 Signal Decoder

型号 Model	BC-802-2801	BC-802-1809	BC-802-9813	BC-802-8806	BC-802-6803	BC-802-3001
输入电压 Input Voltage	DC5V-24V					
输入信号 Input Signal	DMX512/1990					
输出信号 Output Signal	WS2801	TM1809	P9813	LPD8806	LPD6803	TLS3001
占用DMX通道 Decode channel	510通道 510 channels					
控制全彩点数 Control LED QTY	170					
DMX512插座类 DMX512 Socket	标准XLR-3R卡隆插 Standard XLR-3R					
驱动芯片型号 Chip Mode	WS2801, WS2803	TM1803, TM1804, TM1809, TM1812, UCS1903, UCS1909, UCS1912, UCS2903, WS2811	P9813	LPD8803, LPD8806 LPD8809, LPD8812	LPD6803, LPD1101 D705, UCS6909, UCS6912	TLS3001, TLS3002
产品尺寸 Product Dimension	L125×W52×H40(mm)					
产品重量 Weight (G.W)	315g					

## DMX512控制器, 驱动器 BC-100 DMX512 Controller, Driver

### 功能特点:

- 采用LCD液晶菜单界面显示，操作直观方便。
- 33种可选花样模式，可独立配置每种花样的运行参数。
- 可编辑自动运行模式，选择指定花样，每种花样可独立设置运行次数。
- 自动存储设置参数，带掉电保护功能。
- 预置参数(出厂参数)重新装入功能。

### Feature function:

- Adopted LCD screen, easy to operate.
- 33 color changing modes, each mode's parameter can be configured separately.
- Auto running mode and fixed mode available, running times can be configured separately.
- Auto store the parameter with power off protection.
- LOAD DEFAULT available.



### BC-100-DMX512

输入电源:	DC9V-12V	Input Voltage:	DC9V-12V
输出信号:	DMX512/1990	Output Signal:	DMX512/1990
控制模式:	33种	Control Mode:	33 modes
控制点数:	170	Control Qty:	170
产口尺寸:	L175×W90×H52 (mm)	Dimension:	L175×W90×H52(mm)
产品重量:	610g	Weight (G.W):	610g

## DMX512无线收发器 DMX512 Wireless Transmitter

### BC-870

输入电压:	DC5V-36V	Input Voltage:	DC5V-36V
传输信号:	DMX512	Transmission Signal:	DMX512
工作频段:	2.4GHZ ISM 126个频段	Operating Frequency:	2.4GHZ ISM 126 scale frequency
最大发射功率:	20dBm	Transmitting Power:	20dBm
接收灵敏度:	-96dBm	Receive Sensitivity:	-96dBm
通信距离:	350米(具体以天气/环境等不同条件有差别)	Distance:	350meters(depends on the weather and environment conditions)
产品尺寸:	L176×W46×H30(mm)	Product Dimension:	L176×W46×H30(mm)
重量:	155g	Weight(G.W):	155g
特点:	信号线接错保护	Feature Function:	Wrong wiring protection at DMX port



## 信号放大器 DMX512 Signal Amplifier

### BC-812

输入电压:	DC12-24V	Input Voltage:	DC12V-24V
输入信号:	DMX512/1990	Input Signal:	DMX512/1990
输出信号:	DMX512/1990	Output Signal:	DMX512/1990
输入输出通道数:	1路输入, 2路输出	Input/output Channel:	One input channel, two output channels
输入输出隔离耐压:	3000VDC	Input/output isolated Voltage:	3000VDC
DMX512信号接口类型:	接线端子	DMX512 Signal Socket:	Terminal block
产品尺寸:	L176×W46×H30(mm)	Product Dimension:	L176×W46×H30(mm)
重量:	140g	Weight(G.W):	140g
特点:	输入输出信号线接错保护, 独立电气隔离	Feature Function:	Wrong wiring protection at DMX input and output port. Independent electrical isolation



# Power Repeater 功率扩展器



## 功率扩展器 Power Repeater

型号 Model	BC-961	BC-963	BC-964
输入电压 Input Voltage	DC5-24V	DC5-24V	DC5-24V
输出电流 Output Current	10A/CH×1	5A/CH×3	RGB:3A/CH×3 W:9A/CH×1
输出功率 Output Power	50W(5V)/ 120W(12V)/ 240W(24V)	75W(5V)/ 180W(12V)/ 360W(24V)	RGB:15W×3CH W:45(5V) RGB:36W×3CH W:108W(12V) RGB:72W×3CH W:216W(24)
输出信号 Output Signal	恒压型PWM信号 Constant voltage PWM signal	恒压型PWM信号 Constant voltage PWM signal	恒压型PWM信号 Constant voltage PWM signal
产品尺寸 Product Dimension	L176×W46×H30 (mm)	L176×W46×H30 (mm)	L176×W46×H30 (mm)
产品重量 Weight(G.W)	120g	135g	145g
特点 Feature Function	支持高频率共阳极PWM脉冲信号输入，带过流，短路保护 Sustain high frequency common anode PWM input signal. Over current protection, short circuit protection.		



## 功率扩展器 Power Repeater

型号 Model	BC-960-5A	BC-960-8A	BC-960-10A
输入电压 Input Voltage	DC5V-24V	DC5V-24V	DC5V-24V
输出电流 Output Current	5A/CH×3	8A/CH×3	10A/CH×1
输出功率 Output Power	75W(5V)/180W(12V)/ 360W(24V)	192W(5V)/290W(12V)/ 580W(24V)	50W(5V)/120W(12V)/ 240W(24V)
输出信号 Output Signal	恒压型PWM信号 Constant voltage PWM signal		
产品尺寸 Product Dimension	L125×W45×H36(mm)	L165×W56×H36(mm)	L125×W45×H36(mm)
产品重量 Weight(G.W)	105g	150g	85g

型号 Model	BC-990-350/700	BC-991
输入电压 Input Voltage	DC12V-48V	DC12V-48V
输出电流 Output Current	350mA(700mA)/CH×3	350mA(700mA、1050mA……Max2700mA)/CH×1
输出功率 Output Power	12V: 1-3pcs 1W(3W) LED 24V: 1-6pcs 1W(3W) LED 36V: 1-9pcs 1W(3W) LED 48V: 1-12pcs 1W(3W) LED	12V: 1-3pcs 1W(3W、5W……11W) LED 24V: 1-6pcs 1W(3W、5W……11W) LED 36V: 1-9pcs 1W(3W、5W……11W) LED 48V: 1-12pcs 1W(3W、5W……11W) LED
输出信号 Output Signal	恒流型PWM信号 Constant current PWM signal	恒流型PWM信号 Constant current PWM signal
产品尺寸 Product Dimension	L125×W45×H36(mm)	L125×W45×H36(mm)
产品重量 Weight(G.W)	115g	90g

# 可调光驱动 BC-701 LED Dimming Driver



### 功能与特点:

- 接线简单，只有一正一负两根输入线和一正一负两根输出线。
- 自动适应DC12V-36V恒压电源或幅度为12-36V的PWM信号输入。
- 输出恒流320 mA或680 mA。
- 调节灯光柔和稳定细腻，无频闪现象。

### Feature function:

- Only 2 wires, easy for wiring.
- Automatically adapt to DC12V-36V power or 12-36V PWM signal.
- Output Constant current 320mA to 680mA.
- Lamplight soft and stable, without flickers.

### BC-701

输入电源: DC12-36V OR PWM  
 输出恒流电流: 320mA 或 680mA  
 驱动LED灯数: 12V时1-3pcs 1W(3W)LEDs  
 24V时1-6pcs 1W(3W)LEDs  
 36V时1-103pcs 1W(3W)LEDs  
 防水等级: Ip67  
 产品尺寸: L40×W28×H23(mm)  
 产品重量: 40g

Input Power: DC12V-36V or PWM  
 Output Signal: Constant Current PWM  
 Max load Current: 320mA to 680mA  
 Driving LEDs: 12V 1-3pcs 1W(3W) LEDs  
 24V 1-6pcs 1W(3W) LEDs  
 36V 1-103pcs 1W(3W) LEDs  
 Waterproof Grade: IP67  
 Product Size: L40×W28×H23(mm)  
 Gross Weight: 40g

## 应用方案图 Applications

