



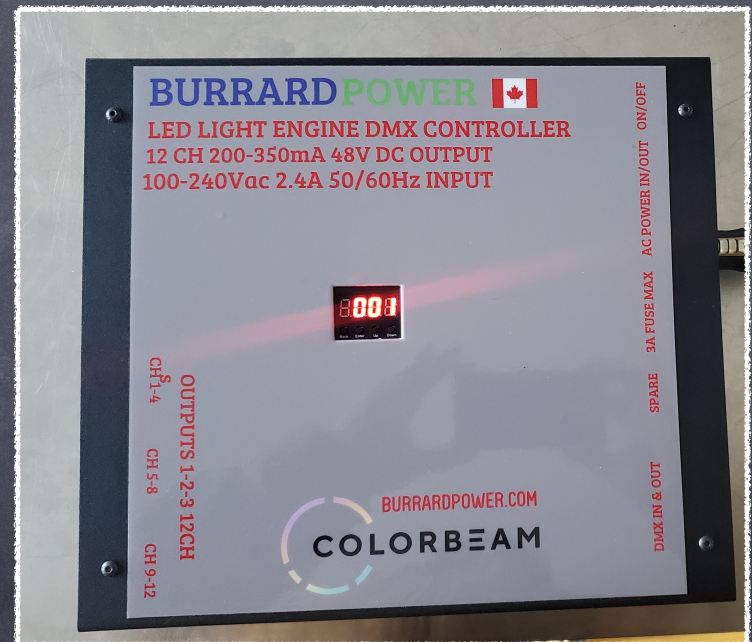
# COLORBEAM INSTALLATION

PRESENTED BY **BPC**  
[BURRARDPOWER.COM](http://BURRARDPOWER.COM)



# DECODER

- ⑥ MOUNT OR PLACE THE 12CH LED LIGHT ENGINE DECODER IN A CONVENIENT LOCATION.
- ⑥ WEBBING IS PREFERRED AS SUPPORT.
- ⑥ WHEN LINKING DMX, MANUFACTURER RECOMMENDS 4 UNITS TOTAL.





# ETHERCON (CAT5E)

- ⑥ CONNECT ETHERCON (CAT5E) TO ONE OF 3 OUTPUT PORTS MARKED 1-4, 5-8, 9-12
- ⑥ EACH PORT IS CAPABLE OF POWERING 2X BI-COLOR LED LIGHT ENGINES OR 1 RGBW LED ENGINE.
- ⑥ 6 CABLES PROVIDED ALONG WITH 3 ETHERCON COUPLERS



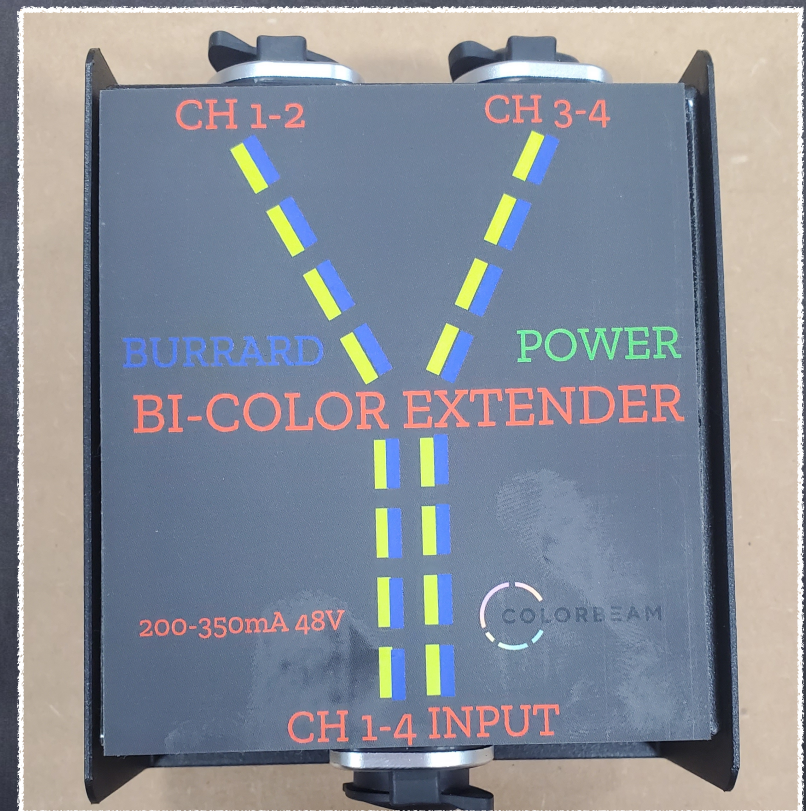


- ⑥ IF INSTALLING BI-COLOR LIGHT ENGINES THEN THE NEXT STEP IS TO ADD OUR CUSTOM 'Y' BOX. THIS BOX ALLOWS ALL 8 CONDUCTORS OF ETHERCON (CAT5E) TO BE UTILIZED, AS EACH BI-COLOR ENGINE REQUIRES 4 CONDUCTORS (+, -) TUNG AND (+, -) DAYLIGHT
- ⑥ IF INSTALLING A RGBW ENGINE, THEN ALL THAT IS REQUIRED OFF THE ETHERCON (CAT5E) IS A ETHERCON COUPLER AND A SIMPLE CAT5E PATCH CABLE TO CONNECT



# BP YBOX BI-COLOR EXTENDER

- AS YOU CAN SEE THE 'Y' BOX ALLOWS THE 1 ETHERCON (CAT5E) CABLE TO BE UTILIZED ON 2 SEPARATE BI-COLOR LIGHT ENGINES.
- IN ORDER TO NOW CONNECT EACH BI-COLOR ENGINE, A SIMPLE CAT5E PATCH CABLE CONNECTED TO OUTPUT PORTS MARKED CH 1-2 AND CH 3-4 IS ALL THATS REQUIRED. 10' CABLES INCLUDED.









# RGBW

RGBW ENGINES AS MENTIONED  
PREVIOUSLY REQUIRE ALL 8  
CAT5E CONDUCTORS RED(+ -)  
GREEN(+ -) BLUE(+ -) WHITE(+ -)  
AND 1 ETHERCON ADAPTER IF  
USING PROVIDED ETHERCON  
(CAT5E)





- ⑥ 200FT MAX RUN BETWEEN DECODER AND LED LIGHT ENGINE.
- ⑥ THIS IS ONLY A BREAKDOWN OF A SIMPLE INSTALL AND IT MAY BE EASIER IN SOME CASES TO RUN EXTENDED LENGTHS OF CATSE DUE TO SET DESIGNS. THERE ARE MANY OPTIONS BASED OFF THIS PRIMARY PLATFORM.
- ⑥ WHEN USING LED ENGINES AS THEIR ORIGINAL INTENT A POT LIGHT. LINKS FOR HOLE SIZES WILL BE PROVIDED. SEE NEXT SLIDE, MANY OPTIONS.



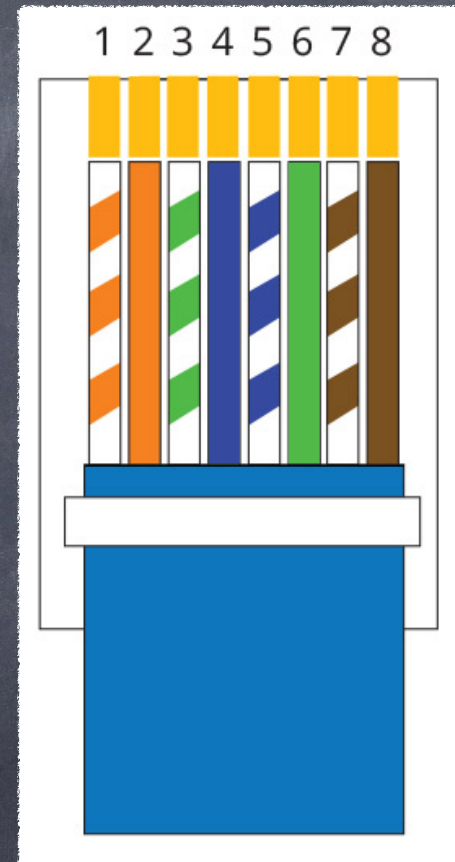
## RECESSED LIGHTING GUIDE

	TUNABLE & CIRCADIAN LIGHTING						RGBW LIGHTING		
PICTURE									
LIGHT ENGINE	<b>BIANCA 16W</b>	<b>BIANCA 14W</b>	<b>ROCKET 9W</b>	<b>VENUS 16W</b>	<b>RIVA 16W</b>	<b>LUNA</b>	<b>10W RGBW</b>	<b>RIVA 20W</b>	
FAMILY PRODUCT	BIANCA-16W-BI-RD BIANCA-16W-BI-SQ BIANCA-16W-BI-RDR BIANCA-16W-BI-PTD	TB-SERIES VB1-SERIES VB2-SERIES S-SERIES	S-SERIES T-SERIES MR-SERIES V1-SERIES V2-SERIES	VENUS SERIES	V1-SERIES V2-SERIES C-SERIES	LUNA-14W-BI-SERIES LUNA-10W-RGBW-SERIES	TB-SERIES VB1-SERIES VB2-SERIES S-SERIES	V1-SERIES V2-SERIES C-SERIES	
WATTAGE	16W	14W	9W	16W	16W	14W	10W	20W	
CCT	18K - 40K   22K-50K   27K-65K	18K - 40K   22K-50K   27K-65K	18K - 40K   22K-50K   27K-65K	18K - 40K   22K-50K   27K-65K	18K - 40K   22K-50K   27K-65K	18K - 40K   22K-50K   27K-65K	RGBW	RGB+White	RGB+White
LUMENS RANGE	1200 lm - 1400 lm	700 lm - 1020 lm	550 lm - 650 lm	995 lm - 1155 lm	1400 lm - 1700 lm	929 lm - 1193 lm	480 Lm - 525 Lm	480 lm   525 lm	1200 lm
BEAM ANGLE	20° and 40°	20° and 40°	20° and 40°	40°	40°	20° and 40°	20° and 40°	40°	
LED CRI	≥95Ra	≥95Ra	≥95Ra	≥95Ra	≥95Ra	≥95Ra	≥95Ra (White chip only)	≥95Ra (White chip only)	
IP GRADE	IP20 Standard	IP20 Standard	IP20 Standard	IP20 Standard	IP20 and IP65	IP20 Standard	IP20 and IP65	IP20 and IP65	
COMPATIBLE DECODER	For dimming use DMX-SR2112	For dimming use DMX-SR2112	For dimming use DMX-SR2112	For dimming use DMX-SR2112	For dimming use DMX-SR2112	For dimming use DMX-SR2112	For dimming use DMX-SR2112	For dimming use DMX-SR2112	
CEILING THICKNESS	½" to 1 ½" / 12.7mm to 38.1mm	½" to 1 ½" / 12.7mm to 38.1mm	½" to 1 ½" / 12.7mm to 38.1mm	Perfect fit into ceiling, takes up to 1/2" thick ceiling	½" to 1 ½" / 12.7mm to 38.1mm	1/2" or 2" / 12.7mm or 50.8mm	½" to 1 ½" / 12.7mm to 38.1mm	½" to 1 ½" / 12.7mm to 38.1mm	



# MAKING YOUR OWN CAT5E

WHILE WE PROVIDE CABLES FOR AN INSTALL IT MAY BE NECESSARY TO MAKE YOUR OWN, PLEASE REFER TO THE PIN CONFIGURATION AND USE QUALITY CONNECTORS AND TOOL. EZRJ45 PASS THRU CONNECTORS PREFERRED, [PLATINUMTOOLS.COM](http://PLATINUMTOOLS.COM)





#### 1. DMX address setting:

Select **FXXX** menu, press "Enter" button, display will flash, then press or hold button "Up" / "Down" to set DMX address, (press is slow, hold is fast), then press "Back" button to confirm.

#### 2. DMX channel quantity setting:

Select **LHXX** menu, press "Enter" button, display will flash, then press or hold button "Up" / "Down" to set DMX channel quantity, press "Back" button to confirm.

For example, the DMX address is already set as 001.

CH01=1 DMX address for all the output channels, which are all address 001.  
CH12=12 DMX addresses, output 1-12 is address 001-012 respectively

#### 3. PWM output resolution Bit setting:

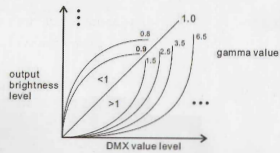
Select **bLXX** menu, press "Enter" button, display will flash, then press or hold button "Up" / "Down" to choose 08 or 16 bit, then press "Back" button to confirm.

#### 4. PWM Output frequency setting:

select **PFXX** menu, press "Enter" button, display will flash, then press or hold button "Up" / "Down" to choose 00~30, then press button "Back" to confirm.  
00=500HZ, 01=1KHZ, 02=2kHz.....30=30kHz.

#### 5. Output dimming gamma curve value setting:

Select **9RXX** menu, press "Enter" button, display will flash, then press or hold button "Up" / "Down" to choose 0.1~9.9, then press "Back" button to confirm.



#### 6. DMX decoding mode setting:

Select **dPXX** menu, press "Enter" button, display will flash, then press or hold button "Up" / "Down" to choose the decoding mode, then press "Back" button to confirm. "dPxx" means the DMX address quantity used for control of corresponding PWM output channel quantity. 1st "x" is DMX address/quantity, 2nd "x" is channel quantity. DP 3.2 for Bi White, 4.3 for RGB and 5.4 for RGBW

#### DMX address is 001, CH12

DMX	DP 1.1	DP 3.2 (For Bi-White)	DP 4.3 (For RGB)	DP 5.4 (For RGBW)
1	Output dimming 1	Output dimming 1	Output dimming 1	Output dimming 1
2	Output dimming 2	Output dimming 2	Output dimming 2	Output dimming 2
3	Output dimming 3	Control level 1 & 2	Output dimming 3	Output dimming 3
4	Output dimming 4	Output dimming 3	Control level 1 & 2 & 3	Output dimming 4
5	Output dimming 5	Output dimming 4	Strobe effect 1 & 2 & 3	Control level 1 & 2 & 3 & 4
6	Output dimming 6	Control level 3 & 4	Output dimming 4	Output dimming 5
7	Output dimming 7	Output dimming 5	Output dimming 5	Output dimming 6
8	Output dimming 8	Output dimming 6	Output dimming 6	Output dimming 7
9	Output dimming 9	Control level 5 & 6	Control level 4 & 5 & 6	Output dimming 8
10	Output dimming 10	Output dimming 7	Strobe effect 4 & 5 & 6	Control level 5 & 6 & 7 & 8
11	Output dimming 11	Output dimming 8	Output dimming 7	Output dimming 9
12	Output dimming 12	Control level 7 & 8	Output dimming 8	Output dimming 10
13		Output dimming 9	Output dimming 9	Output dimming 11
14		Output dimming 10	Control level 7 & 8 & 9	Output dimming 12
15		Control level 9 & 10	Strobe effect 7 & 8 & 9	Control level 9 & 10 & 11 & 12
16		Output dimming 11	Output dimming 10	
17		Output dimming 12	Output dimming 11	
18		Control level 11 & 12	Output dimming 12	
19			Control level 10 & 11 & 12	
20			Strobe effect 10 & 11 & 12	

#### The data definitions for strobe channel are as follows:

{0, 7},//undefined  
{8, 65},//slow strobe-->fast strobe  
{66, 71},//undefined  
{72, 127},//slow push fast close  
{128, 133},//undefined  
{134, 189},//slow close fast push  
{190, 195},//undefined  
{196, 250},//random strobe  
{251, 255},//undefined

#### Restore to Factory Default Setting

Press and hold down both "Back" and "Enter" keys until the digital display turns off, then release the keys, system will reset, and the digital display will turn on again, all settings will be restored to factory default.

Default settings are as follows:

DMX Address Code: a001  
DMX Address Quantity: SW1=0: ch12, SW1=1: ch01  
PWM Resolution Mode: bt16  
PWM Frequency: pf01  
Gamma: ga1.5  
Decoding Mode: dp1.1



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COLORBEAM LIGHTING PRODUCTS. TO FIND OUT  
MORE CHECK OUT THEIR LINK AT  
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