

CLF Colour Par 12

Version 1.0 November 2012

1. BEFORE YOU BEGIN

What is included

- 1 x Fixture
- 1 x Powercable with plug
- 1 x UserManua

Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton; check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

AC POWER

This fixture has an auto-switching switch-mode power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This fixture will accommodate between 100V and 240VAC 50-60Hz. Each light is connected end to end by the power socket "POWER IN" and "POWER OUT" on the light,



Help preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of products.

Safety Instructions



WARNING!

Please read these instructions carefully, which includes important information about the installation, usage and maintenance of this product..

The following symbols are used to identify important safety information on the product and in this manual:



DANGER!
Safety hazard.
Risk of severe injury or death



DANGER!
Hazardous Voltage. Risk of lethal or severe electric shock.



WARNING!
Fire hazard



WARNING!
LED light emission. Risk of eye injury.



WARNING!
Refer to user

This light belongs to grade I protection device, therefore the light must connect to the earth excellently. And the power connection must be operated by the professional technician.

Make sure that the working voltage will not higher or lower than the rated value.

Make sure that the cable didn't be damage or lacerated by sharp.

The light must be power off when it's standing idle or before clearing.

The cable must with plug, and you must pull out the cable by handle the plug.

Please be careful when installing the lighting. Never touch the bared cable, or it will cause the deadly electric shock.

Please use the suitable and safe cable to connect the light.

Please never remodel the light randomly, we will not take the guarantee for the faulty and damage which caused by dismantle, repair or remodel of the nonprofessional person.

Maximum ambient temperature 40°C. Do not operate fixture at temperatures higher than this.

Never connect the device to a dimmer pack.

Do not daisy chain power to more than 8 units @ 120V and 15 units @ 230V.

2.INTRODUCTION

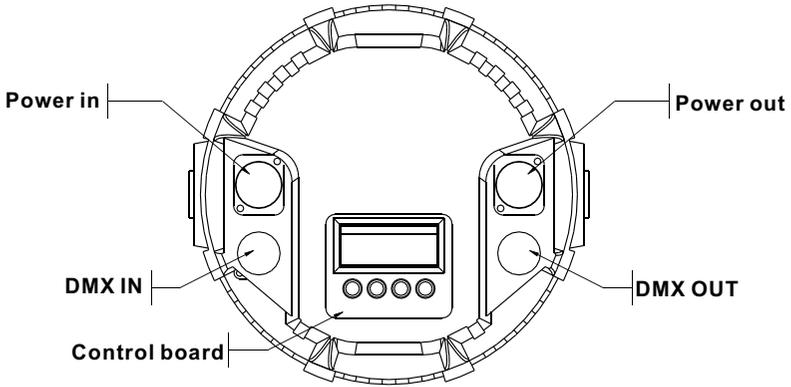
Specifications

Voltage Rating: AC100V~240V 50-60Hz
Power Rating:50W
LED Quantity: 12 pcs 3 in 1 LEDs(RGB)
LED: 400mA
Beam Angle: 20°/30° /40°
Ingress Protection: Ip20
Product Size: 295x195 x255mm
Package Size: 350x260x320 mm
N/W:4.6Kg
G/W:5.6Kg

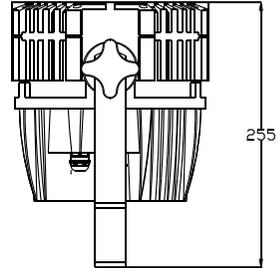
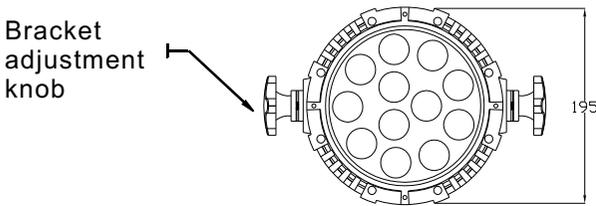
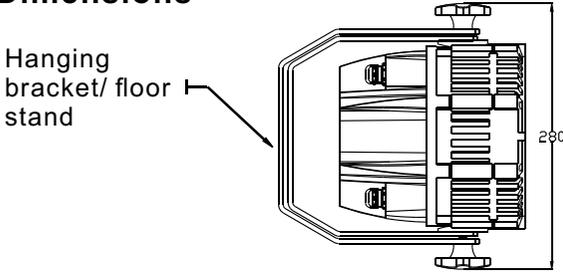
Features

RGB color mixing with or without DMX controller
5 distinct dimming curves
LED display with password protection
Operating Modes: DMX512 Connection /Master & Slave...
DMX Channels: 03CH/04CH/05CH/06CH
06 channels: Dimmer+RGB+Macro & AUTO + strobe
05 channels:RGB +Dimmer+ strobe
04 channels:RGB +Dimmer
03 channels:RGB

Product Overview



Dimensions



3.SETUP

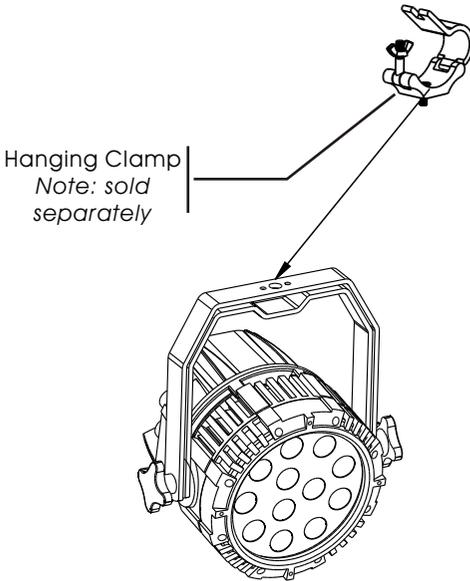
Installation Requirement

This product can be used in a variety of situations, can hang and put on the ground.

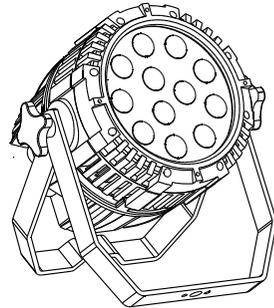
If hanging the fixture for overhead use, then please follow the below steps. Please choose the suitable location to put or hang the light when installing it. You must use the exclusive clamp hanger and screw when hanging it, and make sure the weight of the light is within limits of the hanger. Please make sure without any flammable objects within 0.5m when installing the light.

The installation should be operated by professional person; any irregular installation will cause the body injury or equipment damage.

Block access below the work area and use suitable and stable platform when installing or servicing fixture.

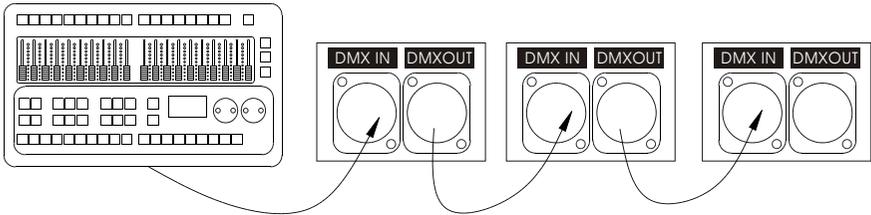


Safety Cable
Note: the cable must be secured through the heat sink ventilation passageway.



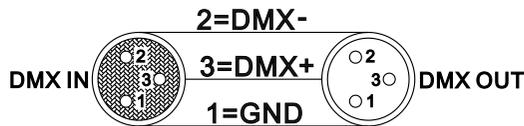
Connection of DMX Signal Wire

- 1 Please use the fixture controller wire specially when use the DMX512 Controller. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the first fixture.
- 2 Connect the end of the cable coming from the first fixture which will have a (male) 3 pin connector to the input connector of the next fixture consisting of a (female) 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.
- 3 This product can be connected numerous lamps in series without the need for the signal amplifier; the signal will not be weakened.



3-PIN TO 5-PIN CONVERSION CHART

Note! If you use a controller with a 5 pin DMX output connector, you will need to use a 5 pin to 3 pin adapter.

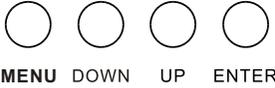


3 PIN TO 5 PIN CONVERSION CHART

Conductor	3 Pin Female(output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin2	Pin2
Data (+) signal	Pin 3	Pin 3
Do not use		Do not use
Do not use		Do not use

4. OPERATING INSTRUCTIONS

Control Panel Functions



BUTTON	FUNCTION
MENU	Exits from the current menu or function
DOWN	Navigates downwards through the menu list and decreases the numeric value when in a function
UP	Navigates upwards through the menu list and increases the numeric value when in a function
ENTER	Enables the currently displayed menu or sets the currently selected value in to the selected function

Menu Map

MAIN FUNCTION	SUB-FUNCTION		SELECTION	INSTRUCTION	
STAT	D000		000~255 (0 ~ 100%)	User can combine RED, GREEN and BLUE to generate a custom color	
	R000				
	G000				
	B000				
	S000		00~20	Select strobe frequency	
AUTO	At00		01~10	10 auto programs available	
	Pr00		01~10	chose program from 10 "EDIT"	
DMX			001 ~ 512	Set DMX start address	
RUN	DMX			Sets the operating mode for the fixture: to receive signal from a DMX controller (DMX) .receive signal or Download programs from Master fixture. (Slave)	
	SLAV				
PERS	03CH			03 channels: RGB	
	04CH			04 channels: Dimmer+RGB	
	05CH			05 channels: Dimmer+RGB+ Strobe	
	06CH			06 channels: Dimmer+RGB...	
SET	DIM		OFF	"Off" means select linear dimming, or choose dimmer 1-4 to control the dimming speed, dimming 1 of the fastest dimming curves, 4 for the most slowly dimming curve	
			DIM(1-4)		
	REST		Password	Reset factory defaults	
	VER		V402	Version number	
EDIT	PR00	SC00	RED	User can combine RED, GREEN, and BLUE to generate a custom color	
	01~09	01~30	GREED		
	custom	scene	BLUE		
	Pr10	SC00	01~90	STRB	(0~20Hz) Select strobe frequency
				TIME	(0~255) step time
FADE				transition time of last step to current step	
DISP	ON			Display is always on	
	30S			Display switches off and goes into Sleep mode if the controls have not been pressed for 30 seconds	

Operating instructions

1 Factory reset

【SET】 【REST】 {UP、UP、DOWN、DOWN} {ENTER}

Note: The password is permanently set as {UP、UP、DOWN、DOWN}
Then press ENTER button

1 Custom program

【EDIT】 【PR01】 【PSC01】

Press **MENU** button until **【EDIT】** is displayed, press ENTER access program mode.

Select the program you'll edit by pressing UP/DOWN buttons. The available range is 01-10.

Select the step you'll edit by pressing UP/DOWN buttons, and then press ENTER button access program.

When 'R000' display on the screen, press the UP/DOWN button to choose the value.

Repeat this step to edit the value of 'G000', 'b000', 'S000', 'T000' and 'F000'.

Please pay attention for the 'S' is the rate of strobe. 'T' is the operating time of the present step, the value is between 0 to 255. 'F' is the transitional time from previous step to present step. The transitional time is the quickest when the FADE is 0.

Notice: Please operate the program in turn, from the 01st step to the 30th step.

When the operating program less than 30 steps, please set the final step value be 0

Repeat step 3 till complete programming.

Exit program mode by pressing **MENU** buttons three times.

DMX512 Controller Mode

1、 Setting DMX512 Address

【DMX】 【001--512】

Access control panel function by pressing **MENU** until **【DMX】** is displayed.

Press ENTER, add or reduce channels by pressing UP/DOWN between 001 and 512.

Press **MENU** to exit.

2、 Setting Channels

【PERS】 【03CH、04CH、05CH、06CH】

Access control panel function by pressing **MENU** until **【PERS】** is displayed.

06 channels:

Channel	Value	Description
1、 Dimming	000~255	0-100%
2、 RED	000~255	0-100%(Or STEP TIME when CUS.01-10 is activated)
3、 Green	000~255	0-100%(Or FADE TIME when CUS.01-10 is activated)
4、 Blue	000~255	0-100%
5、 Macro color control & atuo	0-4	No Function
	5	BLUE 100%, RED 90%, GREEN 97%,
	6-19	BLUE 100%, RED & GREEN DOWN
	20-24	Purple (BLUE 100%, RED UP)
	25-49	Red (RED 100%, BLUE DOWN)
	50-59	Yellow (RED 100%, GREEN UP)
	60	Lime (GREEN 100%, BLUE 80%, RED 78%)
	61-74	Green (GREEN 100%, RED & blue DOWN)
	75	Teal (GREEN 10%, BLUE 10%)
	76-84	Cyan (GREEN UP, BLUE UP)
	85-89	Colour Scroll Snap Speed 1 (Fastest)
	90-94	Colour Scroll Snap Speed 2
	95-99	Colour Scroll Snap Speed 3
	100-104	Colour Scroll Snap Speed 4
	105-109	Colour Scroll Snap Speed 5
	110-114	Colour Scroll Snap Speed 6
	115-119	Colour Scroll Snap Speed 7
	120-124	Colour Scroll Snap Speed 8
	125-129	Colour Scroll Snap Speed 9
	130-134	Colour Scroll Snap Speed 10
135-139	Colour Scroll Snap Speed 11	
140-144	Colour Scroll Snap Speed 12	
145-149	Colour Scroll Snap Speed 13	
150-154	Colour Scroll Snap Speed 14	
155-159	Colour Scroll Snap Speed 15	
160-164	Colour Scroll Snap Speed 16	

Channel	Value	Description
5、Macro color control& atuo	165-169	Colour Scroll Snap Speed 17 (Slowest)
	170-174	Colour Scroll FADE Speed 1 (Fastest)
	175-179	Colour Scroll FADE Speed 2
	180-184	Colour Scroll FADE Speed 3
	185-189	Colour Scroll FADE Speed 4
	190-194	Colour Scroll FADE Speed 5
	195-199	Colour Scroll FADE Speed 6
	200-204	Colour Scroll FADE Speed 7
	205-209	Colour Scroll FADE Speed 8
	210-214	Colour Scroll FADE Speed 9
	215-219	Colour Scroll FADE Speed 10
	220-224	Colour Scroll FADE Speed 11
	225-229	Colour Scroll FADE Speed 12
	230-234	Colour Scroll FADE Speed 13
	235-239	Colour Scroll FADE Speed 14
	240-244	Colour Scroll FADE Speed 15
245-249	Colour Scroll FADE Speed 16	
250-255	Colour Scroll FADE Speed 17 (Slowest)	
6、Strobe	000-255	Strobe(00~20Hz)

05 channels:

Channel	Value	Description
1	000~255	Red
2	000~255	Green
3	000~255	Blue
4	000~255	Dimming
5	000~255	Strobe(00~20Hz)

04 channels:

Channel	Value	Description
1	000~255	Red
2	000~255	Green
3	000~255	Blue
4	000~255	Dimming

03 channels:

Channel	Value	Description
1	000~255	Red
2	000~255	Green
3	000~255	Blue

Master/Slave Control Mode

1、Setting master machine

Access control panel function by pressing **MENU** until **【AUTO】** is displayed. Press ENTER, select **【ATXX】** OR **【PRXX】** by pressing UP/DOWN buttons. Press ENTER, and then press **MENU** to exit.

You can choose **【ATXX】** pre-set programs, the range is **【o1--10】**.

you can choose **【PRXX】** custom programs, the range is **【o1--10】**

2、Setting slave machine

Access control panel function by pressing **MENU** until **【RUN】** is displayed.

Press ENTER, press UP/DOWN buttons until the **【SLAV】** is displayed.

Press **MENU** return to MENU

3、Usage of Master/Slave

When two or more fixtures connected, you can set up the first machine as the Master and the followed fixtures as Slaves. The Master can choose pre-set programs ...

【ATXX】 OR **【PRXX】**, all the slaves will follow the Master's operations synchronously.

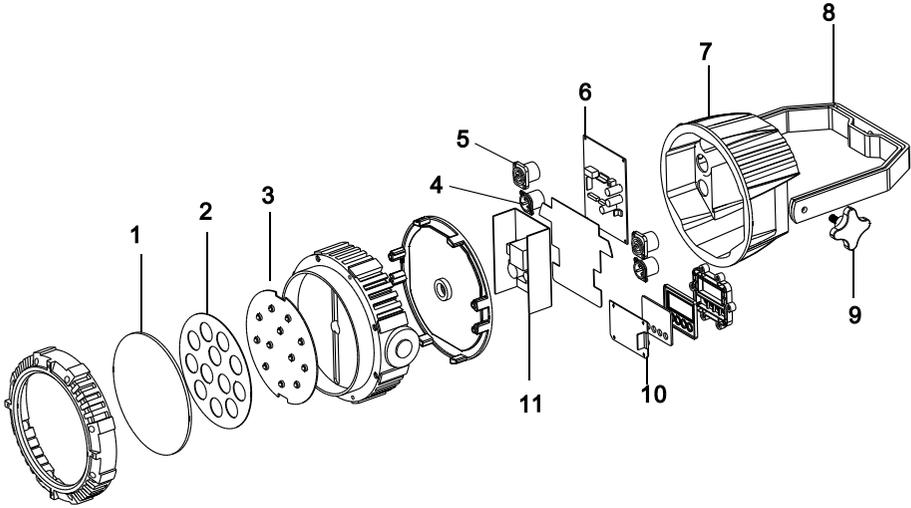
5. APPENDIX

Service Maintenance Guide

Symptom(s)	Possible Solution(s)
1 or more LED's are not illuminating	Clean the fixture regularly to avoid any such failure. This fixture is convection cooled, which means that if the surface is kept clean and free of debris, then proper cooling will be allowed to occur
	An LED may have failed, resulting in an open circuit. In this event, all of the red, green, or blue in a single module will no longer illuminate. This does not mean that all of the LEDs have failed, but the circuit is wired in series.
	An LED may have failed, resulting in a short circuit. In this event, only the single LED which has failed will no longer function. This does not mean that all of the LEDs have failed, but the circuit is wired in series.
	-Note: In the event of LED failure, a replacement LED PCB assembly may be purchased directly from Our company
Breaker/Fuse keeps blowing	Check total load placed on the electrical circuit
	Check for a short in the electrical wiring: internal and/or external
Device has no power	Check for power on Mains
	-Note: In the event of auto switching transformer failure, the unit can be sent in for repair; however, a replacement part can be ordered directly from Our company
Fixture is not responding to DMX	Check Control Panel settings for correct addressing
	Check DMX cables
	Check polarity switch settings on the controller
	Check cable connections
	Call service technician
	-Note: In the event of Display PCB failure, a replacement PCB can be ordered directly from Our company
Loss of signal	Use only DMX cables
	Install terminator
	Note: Keep DMX cables separated from power cables or black lights

Symptom(s)	Possible Solution(s)
COLOR-CON Controller does not function, or does not function properly	Make sure connector is firmly connected to device This fixture must be in the correct mode in order to properly respond to the COLOR-CON controller. The correct mode is "DMX" in the onboard Control Panel
Stand alone operation	This fixture has built-in, automatic programs that may be triggered from the onboard Control Board

Blow-out Diagram.



	Description	Part Number
1	Glass cover	6P00118
2	LED Lens assembly	6P00105
3	LED Metal-core PCB assembly	2P00106
4	Power supply seat	5100103
5	XLR seat	5100102
6	LED Driver Board	2P00107
7	House	6P00118
8	Bracket Assembly	5120117
9	Bracket adjustment metal knob	5020105
10	Display PCB assembly	2P00103
11	Electronic Transformer	5080125