

Luxé Bloom Cyclo

RGBW LED Cyc/Wall Washer



User Manual

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1. Introduction and Setup

Unpacking and In the Box

Thank you for choosing our Luxé Bloom Cyclo. For your own safety, please read this manual before installing or using the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual for future needs.

In the box you will find:

- Luxé Bloom Cyclo Fixture: 1
- Omega Brackets 2
- DMX Cable 1
- 1.5m PowerCon to Edison Cable: 1

Mounting and Operation

Before installation, please read the user manual carefully, then prepare Omega Brackets (2 pcs), Clamps (2 pcs), and Safety Cable (1 pc).

Clamp Mounting: The Luxé Bloom Cyclo provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit. When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the omega bracket.

As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly.

The fixture may also be placed upon a solid surface, in which case the Omega Brackets are not used.

Features

The Luxé Bloom Cyclo features high-intensity RGBW LED's in (2) independently focused and independantly controllable banks. It's output is smooth and allows for washes of large surfaces when multiple units are used. It features a 90° x 120° beam angle for wide, even coverage!

Safety Precautions

Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction manual.

Caution: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas where the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

From a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5ft) away from any flammable materials (decoration etc.).

Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

DO NOT connect the device to any dimmer pack.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, and it will decrease gradually within 15 minutes.

·Don't try to modify the fixture without any instruction by the manufacturer.

·Warranty is voided if there are any malfunctions from not following the user manual while operating or any hazardous operation, like shock short circuit, electronic shock, lamp broken, etc.

Customer Support

WARRANTY POLICY

GAMMA LED Vision warrants its products for the periods set below from the date of purchase to be free of manufacturer and workmanship defects. Warranty does not cover normal wear and tear caused by force, negligence or misuse of products. GAMMA LED Vision is not responsible for any damages or injury caused by misuse or improper handling of the products and in accordance with instructions and specifications of manual.

Warranty terms are as follows:

LED Fixtures:

Indoor: 2 Years

Outdoor (IP 54 or higher): 1 Year

Lamp Fixtures: 1 year / excludes the lamp

LED Video Products:

Indoor: 2 Years

Outdoor (IP 54 or higher): 1 Year

Controllers: 2 years

Batteries: 6 months

All Trussing Related Products and Accessories: 1 Year

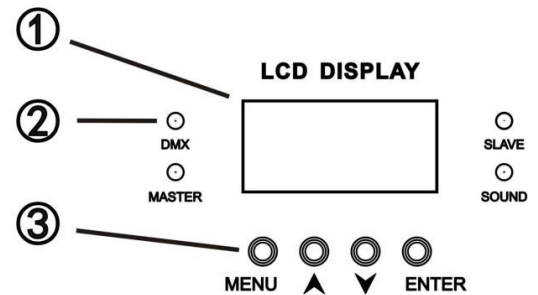
Please visit WWW.GAMMALEDVISION.COM for complete Limited Warranty terms and contact information.

2. Setup and Operation

Using the LCD Menu and Buttons

Turn on the light, press the **MENU** button to enter the menu mode, use the **UP** and **DOWN** buttons to find the menu,

When the preset menu is displayed on the display screen, press the **ENTER** button to confirm, use the **UP** and **DOWN** buttons to select the sub menu, press the **ENTER** button to save the settings or automatically return to the previous menu.



Press the **MENU** button to return, or wait for one minute and then exit the menu mode automatically. When there is no power connection, press the **UP** button for 1 minute to enter the menu mode. After setting, press **MENU** button or wait for 1 minute to exit the power-off setting function automatically.

There are also various status LED's on the Luxé Bloom Cyclo to show if DMX is active, if the unit is in Master, Slave, or Sound-Active mode.

Menu Operation

Menu	DMX Address	Address	1-512
	Channel Mode	CH Mode	4CH
			10CH
	Slave Mode	Slave Mode	Master
			Slave 1 – Slave 15
	Show Mode	Show Mode	Show 0 – Show 4
	Blackout	Yes/No	<i>Sets whether unit blacks out when DMX is lost (YES) or not (NO)</i>
	Back Light	On / Off	Sets whether the backlight turns off when inactive.
	Auto Test		Sets unit into Auto Test Mode
	Fixture Temp		Displays Fixture Temp in Celsius
	Fixture Time		Displays Fixture Hours
	Version		Displays Firmware Version

DMX Setup

DMX Basics

DMX512 stands for digital multiplex 512. This means that 512 channels are controlled digitally through 1 data cable.

A channel is a set of 255 steps that are assigned to control attributes in each light. This may be a color like red, green or blue, and intensity, strobe, pan/tilt or other attributes.

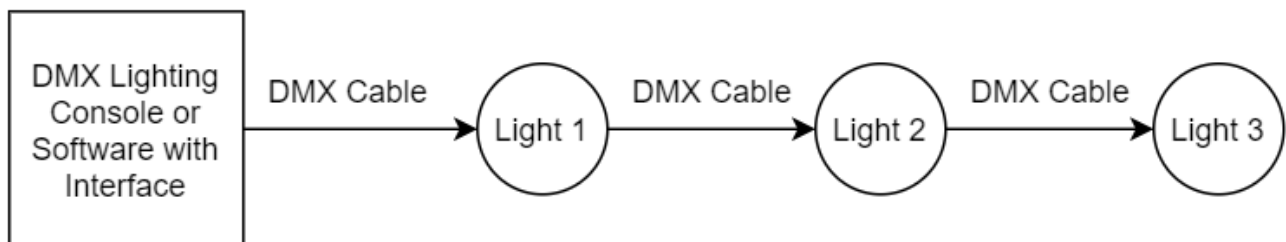
Multiple sets of 512 “universes” may be used. Only 1 universe will travel on a DMX cable, but through networked DMX (Art-Net or sACN E1.31), many universes can travel over a network.

DMX Wiring

DMX works by connecting 1 or multiple lights to the output of a DMX lighting console or software with a DMX interface.

DMX lights connect in what is called a “daisy-chain”. Your first DMX cable will plug its male DMX connector into the female DMX connector on your lighting console. The remaining female connector will then connect to the DMX input on your first light.

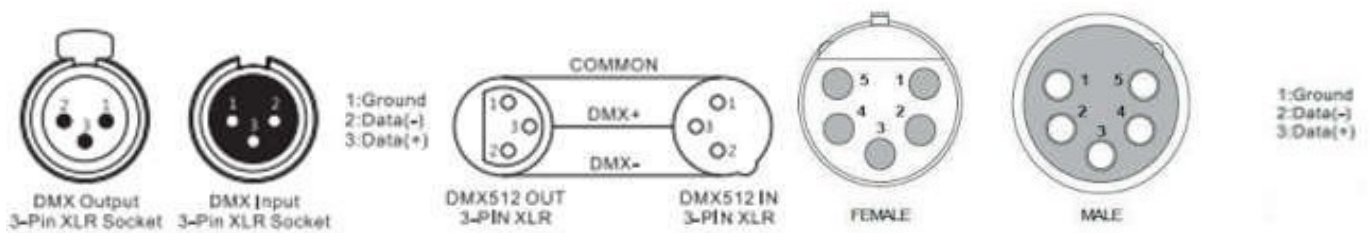
You may then connect your next fixture to the output of your first light, and continue the chain.



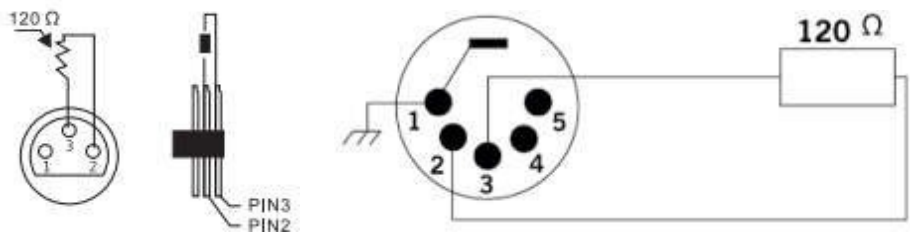
32 Fixture Rule – DMX only allows you to connect up to 32 fixtures in a single daisy chain for signal strength. Sometimes, depending on the fixtures and cable length, this number is less (or more).

DMX Cables can be 3-pin or 5-pin. These use the same type of data, and in the 5-pin only pins 1, 2, and 3 are used. The cable should be a 2 conductor, shielded cable of at least 110 ohms resistance. Microphone cable is not DMX cable.

Please refer to the diagram below:



For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise and reflections. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below:



DMX Modes and Configuration

The Luxé Bloom Cyclo has multiple DMX modes, sometimes called “personalities”, “profiles”, or as we will use here “modes”.

In general, modes with more DMX channels offer a greater level of control or options but take up more of your output channels on your lighting console or software.

Modes with less DMX channels often offer less control, but may be plenty for your needs. *Depending on your needs and control solution, you may not need channels for automated programs, strobes, or macros – your console may have great effects! In this case, you can use a lesser channel mode and fit more lights per DMX universe.*

View the DMX mode charts on the next page to find the mode that best suits your needs.

DMX Channel Mode Sheet:

On the left side of the sheet you will see the different modes and which channel corresponds to each function listed on the right in the given mode.

4CH	10CH	Function	Channel Value	Description
1		Red	0-255	Red Dimmer (Whole Fixture)
2		Green	0-255	Green Dimmer (Whole Fixture)
3		Blue	0-255	Blue Dimmer (Whole Fixture)
4		White	0-255	White Dimmer (Whole Fixture)
	1	Red	0-255	Red Dimmer (Section 1)
	2	Green	0-255	Green Dimmer (Section 1)
	3	Blue	0-255	Blue Dimmer (Section 1)
	4	White	0-255	White Dimmer (Section 1)
	5	Red	0-255	Red Dimmer (Section 2)
	6	Green	0-255	Green Dimmer (Section 2)
	7	Blue	0-255	Blue Dimmer (Section 2)
	8	White	0-255	White Dimmer (Section 2)
	9	Dimmer	0-255	Overall Dimmer Control
	10	Strobe	0-8	Open (No Strobe)
			9-249	Strobe, Slow to Fast
			250-255	Open (No Strobe)

Standalone Mode and Configuration

By linking the units with DMX cable in a Master/Slave connection, the first unit will control the other units to give an automatic, sound-activated, synchronized light show when the Luxé Bloom Cyclo is placed into Standalone mode by the on-board menu and keys.

3. Maintenance

Routine Maintenance

The cleaning of lens must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smokey, or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Clean with a damp, soft cloth..
- Always dry the parts carefully.
- Clean the external optics at least every 20 days in demanding environments.

Troubleshooting Problems

The following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work:

- Check that the unit is plugged in to a working power connector.
- Press the menu button to confirm that the unit is powered on. If the screen does not light up, the unit has no power.

B. Not Responding to the DMX Controller

- Check DMX cables to verify that they are plugged in and functional.
- Check the DMX address and mode – does it match the address and mode patched in the lighting console or software?
- Plug the light directly into the DMX controller with a cable that you know is good. Unplug all other lights – does it work?
- Try to use another DMX controller.

4. Technical Specifications

- Input Voltage: AC 100~230V, 50/60Hz
- Total Power consumption: 300W
- LED Sources: CREE LED
- Beam Angle: 90° vertical x 120° horizontal
- Color Mixing: RGBW linear color mixing
- Dimmer : 0-100% linear dimming
- Electronic Strobe
- Control Mode: Standard DMX512
- Channel modes: 4CH, 10CH
- Waterproof Grade: IP20
- Work Environment Temperature:-20°C ~ 40°C
- Dimension: 23.7"x8.43"x8.94" / 602x214x227mm
- Net Weight: 20.28lbs / 9.2kg

Photometric Reports

FC Measurements at Distance, segments spread (not pointed in the same spot). Full White, 90° x 120° beam angle

Distance	FC Reading
5'	310
10'	81
15'	41
20'	26
25'	21'

Recommended Spacing and Coverage

While the distance apart and total coverage accomplished varies by the focus of the segments, brightness required, desired flatness, and vertical distance beyond the lit area, the following is a guideline for good spacing of the Bloom Cyclo.

You may find that your application requires less fixtures or more, but use this as a guideline in your calculations.

Distance from Lit Surface	Spacing Between Fixtures (Horizontal)	Approx. Vertical Coverage
1'	3'	12'+
2'	4'	16'+
3'	5'	20'+
4'	7'	24'+