

# Luxé Cannon 600 IP VW

*600w Variable-White Ellipsoidal with Motorized Zoom  
and Shutters*



*User Manual*

## Table of Contents

1. Introduction and Setup.....	3
Unpacking.....	3
In the Box:.....	3
Mounting and Operation.....	3
Safety Precautions.....	3
Customer Support.....	5
2. Setup and Operation.....	6
Using the LCD Menu and Buttons.....	6
Menu Operation.....	6
DMX Setup.....	8
DMX Basics.....	8
DMX Wiring.....	8
3. Maintenance.....	12
Troubleshooting Problems.....	12
4. Technical Specifications.....	13
5. Photometrics:.....	14

# 1. Introduction and Setup

## Unpacking

After receiving the device, please check whether any visible damage was caused during transport. If the power cord, housing or the light are damaged, do not operate the device. Contact your dealer or GAMMA LED Vision immediately.

Thank you for choosing our Luxé Cannon 600 IP VW. This light is designed by high strength die-casting aluminum which is able to endure high temperatures, and is designed in a stylish form.

It uses high power Warm White and Cool White LED's for low power consumption, high brightness, and excellent colors. The Luxé Cannon 600 IP VW features DMX512 control, standalone, and sound-active modes.

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:

Luxé Cannon 600 IP VW	-	1 pc
True1 Compatible Power Cable	-	1 pc
Attached DMX 3 Pin In/Out and True1 In	-	1 pc

## Mounting and Operation

Use a clamp rated for the full weight of the Luxé Cannon 600 IP VW to hang the fixture from the mount(s) on the fixture's yoke.

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 or on the yoke.

## Safety Precautions

Caution: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were 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.

- Don't try to modify the fixture without any instruction by the manufacturer or the appointed repairing agencies.

- 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.

Allow the Luxé Cannon 600 IP VW LED to cool for at least 15 minutes before handling after use.

## **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](http://WWW.GAMMALEDVISION.COM) for complete Limited Warranty terms and contact information.

## 2. Setup and Operation

### Using the LCD Menu and Buttons

The menu is accessible via the touchscreen interface. If presented with a lockscreen, the password is +, -, +, -, Enter. (Plus, Minus, Plus, Minus, Enter)

### Menu Operation

Use the Menu Key to enter the menu. The chart below shows the main options and explains the settings. Always press “Enter” to confirm any settings changed.

Main Menu Option	Sub-Menu Option	Value	Function
DMX	DMX Address	001-512	Set the DMX Address
	DMX Profile	17CH	Set the channel mode
	Motor Control	Value/ Channel	Set the values manually for each channel via the menu.
Master	Mixed Color	Set each channel manually	Manual mode – set each color manually from 0-255
	Auto Mode		Auto mode – select the program and speed as desired.
	Sound Mode		Sound-active mode
	White Point		Set manually by color temperature
	Quick Color		Set manually by gel color
	Motor Control		Manually adjust internal motors.
Status			See a variety of status indicators and measurements.
Settings	White Point Edit		***Use only with password from GAMMA LED Vision**
	Reset Calibration		Adjust the motor calibration for each internal motor.
	Dimmer Fre-		Set the PWM Frequency of

Main Menu Option	Sub-Menu Option	Value	Function
	quency		the LED Dimmer
	Dimmer Curve		Choose the Dimmer Curve
	Over Temperature		Set the Overtemperature shutdown value – <b>Do not change this setting unless directed by GAMMA LED Vision.</b>
	Backlight		Set the backlight brightness for the menu LCD.
	Backlight Timeout		Set the timeout for the factory LCD
	Load Factory Settings		Factory reset of all settings.

## 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.

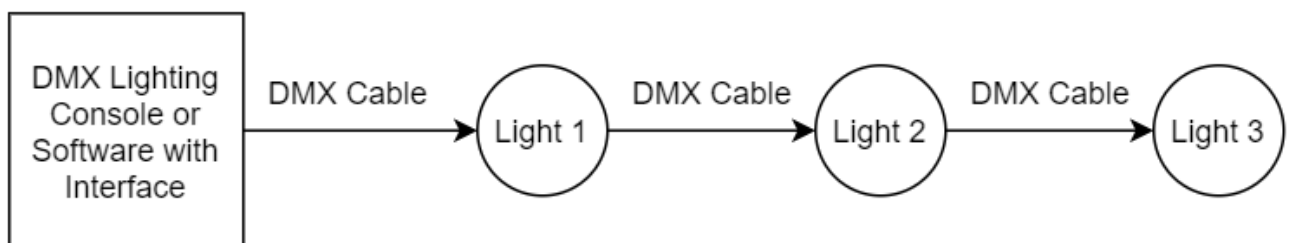
Multiple sets of 512 “universes” may be used. Only 1 universe will travel on a DMX cable, but through networked DMX (Art-Net or sACN E1.31), many universes can travel over a network.

### 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.

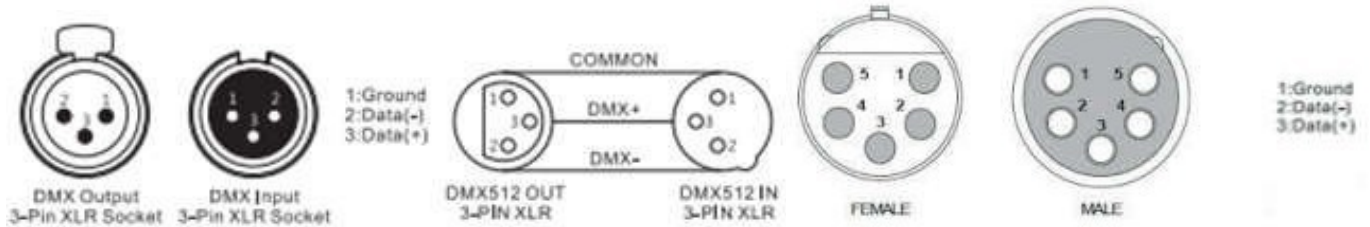
You may then connect your next fixture to the output of your first light, and continue the chain.



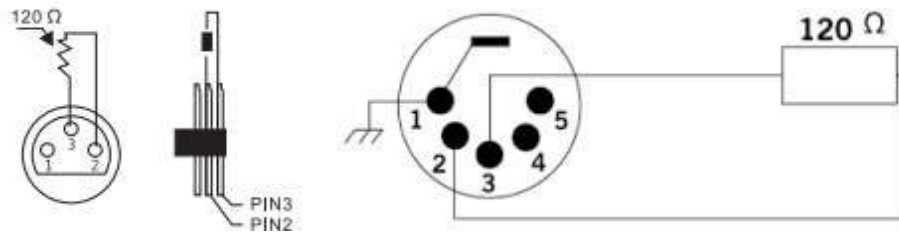
**32 Fixture Rule** – DMX only allows you to connect up to 32 fixtures in a single daisy chain for signal strength. Sometimes, depending on the fixtures and cable length, this number is less (or more).

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 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.

<b>Standard 17CH</b>	Function	Values	Description
1	Dimmer	0-255	Master Intensity Control
2	CTC	0-255	2700k-5600k
3	Strobe	0-10	No Function
		11-255	Strobe, Slow to Fast
4	Framing Shutter 1 Position	0-255	Inserts Framing Shutter 1
5	Framing Shutter 1 Fine	0-255	Fine Control of Framing Shutter 1
6	Framing Shutter 2 Position	0-255	Inserts Framing Shutter 2
7	Framing Shutter 2 Fine	0-255	Fine Control of Framing Shutter 2
8	Framing Shutter 3 Fine	0-255	Inserts Framing Shutter 3
9	Framing Shutter 3 Fine	0-255	Fine Control of Framing Shutter 3
10	Framing Shutter 4 Position	0-255	Inserts Framing Shutter 4
11	Framing Shutter 4 Fine	0-255	Fine Control of Framing Shutter 4

12	Zoom	0-255	Zoom 30° to 15°
13	Focus	0-255	Focus Control
14	Gobo Control	0-255	Optional Gobo Control Accessory
15	Iris Control	0-255	Optional Iris Control Accessory
16	Framing Macros	0-63	No Function
		64-255	Framing Macros
17	Control	0-249	No Function
		250-255	Reset All Motors

## **3. Maintenance**

### **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

- ◆ Rated voltage: 100V-240VAC, 50/60Hz
- ◆ Power Consumption: 650w Max
- ◆ LEDs: 600w VW
- ◆ Lamp rated life: >50000 Hours
- ◆ Beam angle: 15-30°
- ◆ Strobe: Independent electronic strobe, 0-20 hz, the speed can be adjusted
- ◆ Control Mode: DMX512 control, Auto Run, Master/Slave
- ◆ IP Rating: IP 65
- ◆ Net Weight: 36.7lbs
- ◆ Certification: CE, RoHS

## 5. Photometrics:

### Illuminance Report:

In Footcandles (FC)

Mixed White: 4300k At Full – 15 Degree At Full 30 Degree  
(CTC Channel at  
50%)

5'	2518	1104
10'	638	296
15'	280	137
20'	159	74
30'	70	34
50'	25	12

Warm White: 2700k At Full – 15 Degree At Full 30 Degree

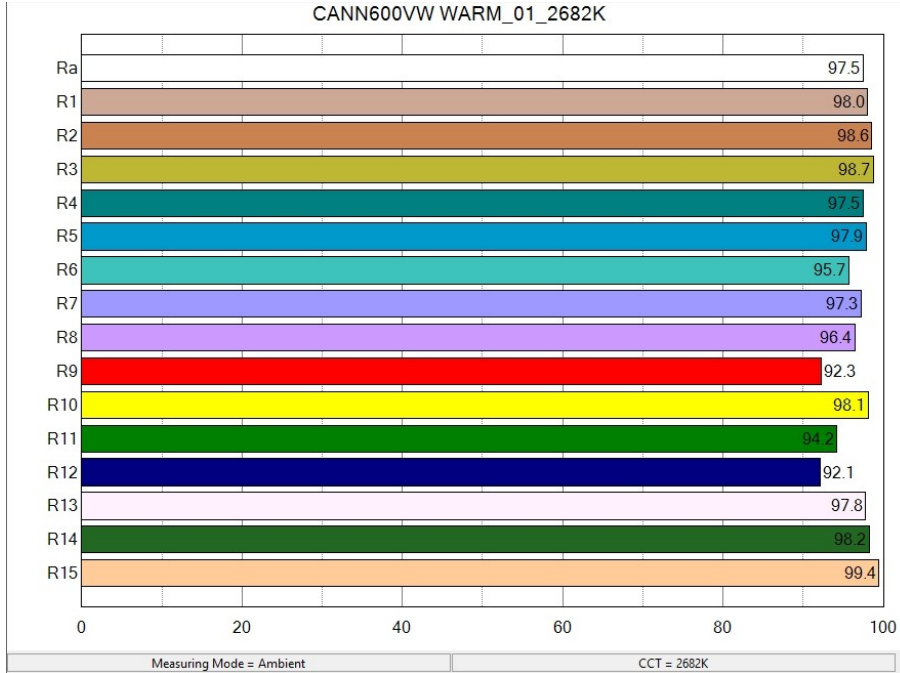
5'	2219	913
10'	572	259
15'	256	122
20'	143	64
30'	64	30
50'	22	10

Cool White: 6000k At Full – 15 Degree At Full 30 Degree

5'	3055	1342
10'	740	352
15'	350	163
20'	185	88
30'	87	40
50'	31	14

# Color Quality Report:

## CRI:



## TM30:

