

Aurora Follow Spot 600

600w Follow Spot with DMX Control



User Manual

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Introduction and Setup

Unpacking and In the Box

Thank you for choosing our Aurora Follow Spot 600. 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 receive:

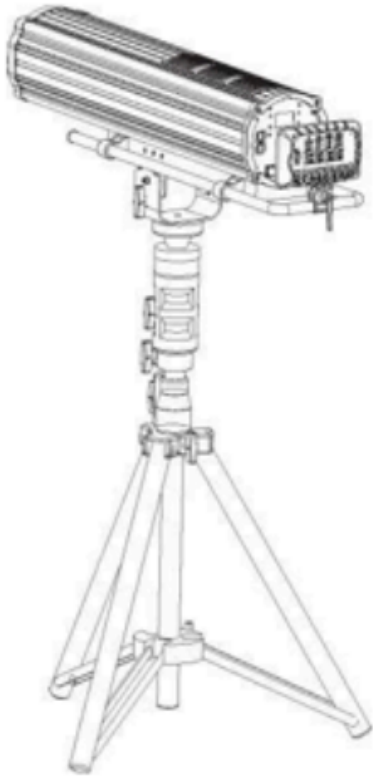
- Aurora Follow Spot 600 1
- Stand 1
- Powercon Compatible Power Cable 1

Features

- 600w white-source LED followspot with stand
- Stand-Alone or DMX Control
- Motorized Zoom 7°-13°
- 7000k Cool White LED Source
- CTO: 3200K, 4500k, and 5600k
- Motorized Iris
- 7-Color Color Wheel
- Variable Strobe (1-20Hz)

Safety Precautions

This device is rated for indoor use only. Use the stand included and fully expand the legs before placing the spotlight on top. Fully tighten the yoke knob, and use the knob just below the yoke to loosen the pan:



Before energizing the power, ensure the power cord is in good physical condition.

Always power off the light via it's power source before plugging in or unplugging the light.

Leave 2' between the light and any flammable objects.

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.

Setup and Operation

Using the LCD Menu and Buttons

The LCD system includes Menu, Up, Down, and Enter buttons to the right of the LCD screen. Press “Menu” to enter the menu or to go back from a sub-menu. Use “Up”/“Down” to navigate through the choices, and use “Enter” to save your choices.

The menu options are as follows:

Main Menu Option	Menu Description
Fixture Address	Set the DMX Address of the fixture. Leave at 001 for operation with the included controller.
Fixture Information	See various diagnostics.
Personality	Set various attributes for personalized control.
Test Mode	Test each function of the light.
Master/Slave	Set Master/Slave mode.
Manual Mode	Manually control each function of the light.

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.

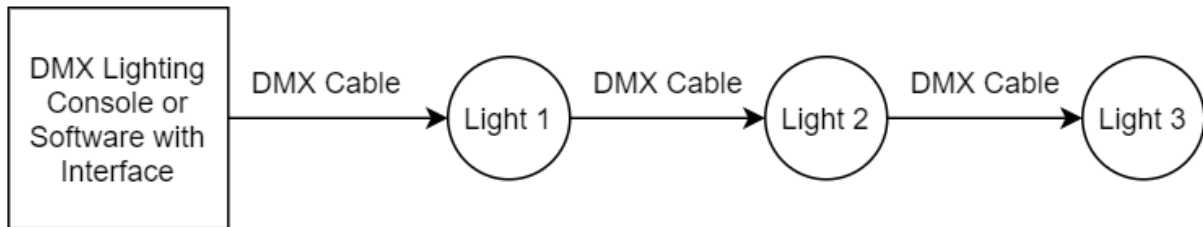
Multiple sets of 512 “universes” may be used. Only 1 universe will travel on a DMX cable, but through networked DMX (Art-Net or sACN E1.31), many universes can travel over a network.

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.



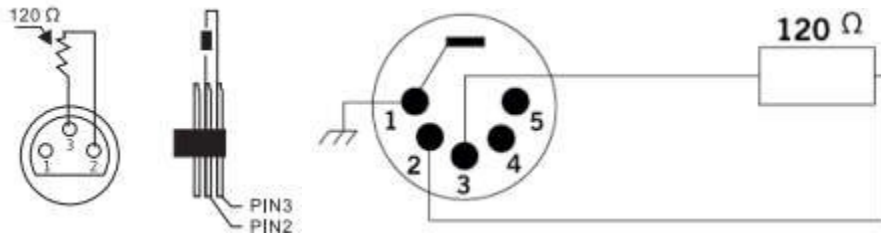
32 Fixture Rule – DMX only allows you to connect up to 32 fixtures in a single daisy chain for signal strength. Sometimes, depending on the fixtures and cable length, this number is less (or more).

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:

7 CH	Function	Channel Value	Description
1	Intensity	0-255	Dimmer, 0-100%
2	Strobe	0	Open
		1-127	Strobe, Slow to Fast
		128-159	Pulse Down, Slow to Fast
		160-191	Pulse Up, Slow to Fast
		192-255	Lightning Strobe
3	Iris	0-255	Iris Control
4	Color Wheel - Linear Control of the Color Wheel from 0-255. Color Stops are noted in the chart:	0	Open
		47	Red
		73	Green
		116	Magenta
		121	Yellow
		176	Cyan
		205	Amber
		255	Violet
5	CTO	0-63	Open
		64-127	5600k
		128-191	4500k
		192-255	3200k
6	Focus	0-255	Focus Control
7	Zoom	0-255	Zoom Control, 13° – 7°

Maintenance

Routine Maintenance

Fan Cleaning

Periodically do a visual inspection of the fans. If they are dirty, power off the unit and use a small electronics vacuum to clean the fans out. Do not use a can of CO2 or an Air Compressor. These will simply blow the dust into the unit and may leave other residue.

Front Lens Cleaning

The front lens should be cleaned so that light output is maintained.

With the light powered off, use a moist, lint-free cloth. Never use alcohol or solvents to clean the fixture.

Never spray any cleaners on the fixture.

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.

Technical Specifications

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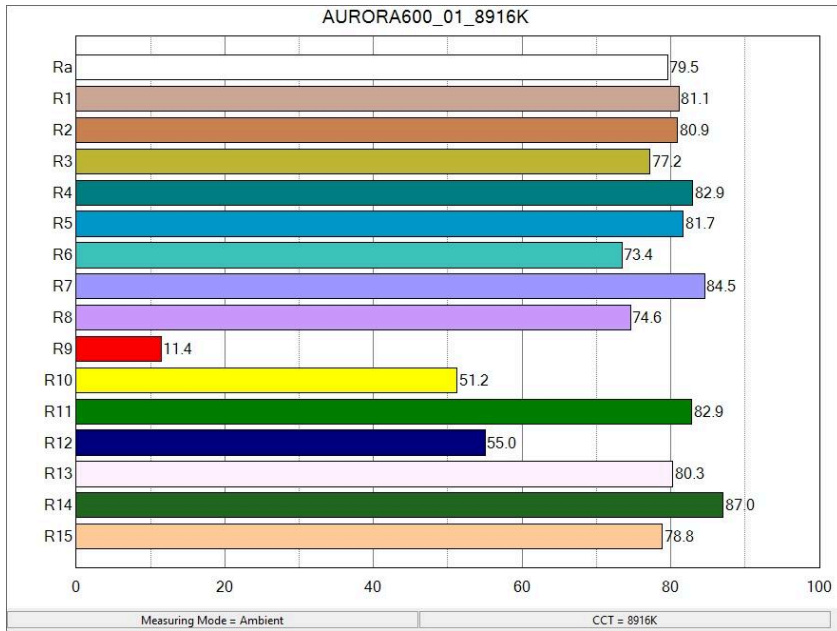
Photometrics

Illuminance:

Distance in Meters	Distance in Ft	Lux at 7°	FC at 7°	Lux at 13°	FC at 13°	Beam Diameter 7° - Meters	Beam Diameter 7° Ft	Beam Diameter 13° Meters	Beam Diameter 13° Ft
5.00	16.41	56,800.00	5,276.85	12,460.00	1,157.56	0.63	2.07	1.21	3.97
10.00	32.81	14,500.00	1,347.08	3,255.00	302.40	1.24	4.07	2.31	7.58
15.00	49.22	6,418.00	596.25	1,658.00	154.03	1.85	6.07	3.41	11.19
20.00	65.62	3,627.00	336.96	870.00	80.82	2.64	8.66	4.51	14.8
25.00	82.03	2,418.00	224.64	580.00	53.88	3.08	10.11	5.61	18.41
30.00	98.43	1,687.00	156.73	395.00	36.70	3.69	12.11	6.71	22.02
35.00	114.84	1,250.00	116.13	286.00	26.57	4.3	14.11	7.81	25.62
40.00	131.24	964.00	89.56	221.00	20.53	4.91	16.11	8.91	29.23
45.00	147.65	745.00	69.21	193.00	17.93	5.52	18.11	10.01	32.84
50.00	164.05	612.00	56.86	155.00	14.40	6.13	20.11	11.11	36.45
55.00	180.46	520.00	48.31	129.00	11.98	6.75	22.15	12.21	40.06
60.00	196.86	435.00	40.41	116.00	10.78	7.36	24.15	13.31	43.67
65.00	213.27	365.00	33.91	93.00	8.64	7.97	26.15	14.41	47.28
70.00	229.67	323.00	30.01	82.00	7.62	8.58	28.15	15.51	50.89
75.00	246.08	269.00	24.99	74.00	6.87	9.19	30.15	16.61	54.5
80.00	262.48	238.00	22.11	68.00	6.32	9.8	32.15	17.71	58.11

Color Quality

CRI:



TM30:

