Dominar Beam IP

300w IP65 LED Beam Moving Light

User Manual

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1. Introduction and Setup

Unpacking and In the Box

Thank you for choosing our Dominar Beam IP. 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:

- Dominar Beam IP Fixture 1
- DMX 3 Pin to IP Plug Adapters 2
- Integrated Power and Signal Cables (1.4m)
- Swivel-Clamps (2)

Mounting and Operation

Clamp Mounting: The Dominar Beam IP provides a unique mounting bracket assembly with integrated clamps in the base of the fixture. The clamps fold flat for table-top operation.

As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the handles.

Features

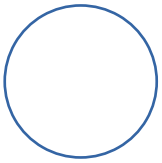
- 300w IP65 LED Beam Moving Head with 1.2 degree beam angle – Low Heat, No Lamp Changes, ever!
- 5600k Color Temperature
- Variable Speed Strobe
- 540 Degree Pan, 220 Degrees Tilt
- Color Wheel – 14 Colors + Open White
- Gobo Wheel – 17 Gobos + Open
- Prism – 16 Facet Rotating and Indexable Prism
- Motorized Frost Filter
- Motorized Focus

- Variable-Speed Temperature-Controlled Fan Cooling
- Only 33lbs, no domes, easy to carry with included tilt lock.

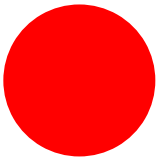
Color Wheel:

The Dominar Beam IP features 14 colors + Open White:

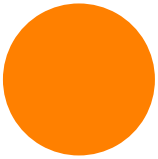
0 – Open



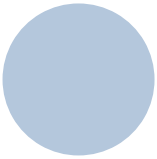
1 – Red



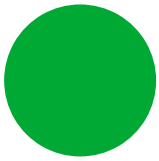
2 – Orange



3 – Light Blue

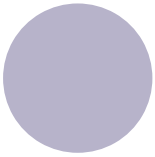


4 – Green

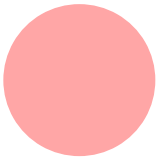


5 – Lime Yellow

6 – Light Lavender



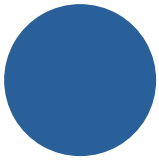
7 – Rose



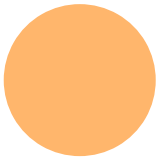
8 – Yellow

9 – Magenta

10 – Blue



11 – CTO 2600K



12 – CTO 3000K

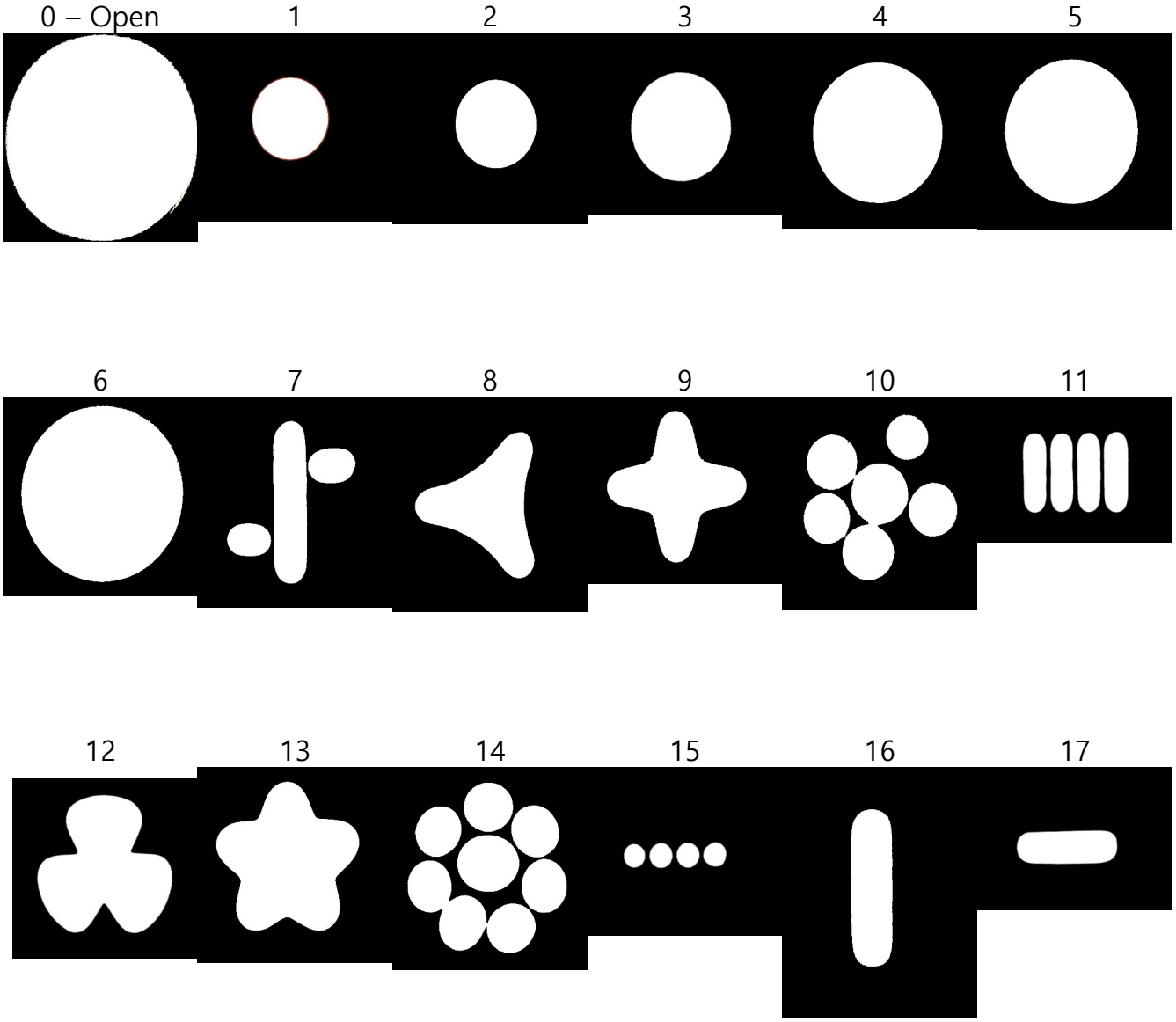
13 – CTB 6500K

14 - Cyan

Colors as shown are representative samples for fixture profiles, but should not be taken as "exact color". Refer to sample videos for exact color.

Gobo Wheel:

The Dominar Features 17 Gobos plus open:



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 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 items 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

David C Henry (Learn Christmas Lighting) 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.

Tilt locks must be unlocked before the unit is powered on. Failure to do so will void the warranty should the tilt motors fail. Snow must be cleared from the path of the unit so it may move freely before powering on.

David C Henry 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:

Outdoor (IP 54 or higher): 1 Year

This warranty shall only be valid if the product is purchased within the United States of America.

Warranty extends only to the original purchaser and its nontransferable. To exercise this warranty original purchaser must provide sales receipt as proof of purchase and warranty starts at original date of purchase.

For warranty service, product must be shipped only to Gamma Led Vision for service In its original packaging. No accessories should be shipped with product, if any accessories are shipped with the product, Gamma Led Vision will not be responsible or have any liability for the loss or damage of such accessories. Shipping cost must be prepaid. After evaluation, if product is determined to be under warranty, Gamma Led Vision will pay for shipping back to the original customer and only within the United States Territory.

5. This warranty is void if the product is modified in any matter, serial number or label be removed, or product has been damaged or misused and not in accordance with guidelines and or user manual. Gamma Led Vision determines product falls under warranty, it will replace any parts and labor at its expense to warranty the product by reason of defect in materials or workmanship at the sole discretion of Gamma Led Vision.

This is not a contract.

This warranty does not include any service maintenance, periodic checkup.

Accessories are not covered in any way by this warranty.

This warranty is limited in the time periods specified above.

Under no circumstance shall David C Henry be liable for any loss, damages, or injuries direct or indirect or consequential, arising from the use or misuse or inability to use the product by the customer.

The limited warranty gives the purchaser specific legal rights which may vary from state to state. Damage to the product resulting from acts of god such as hurricanes, earthquakes, tornadoes, lightning, extreme temperatures, salinity, radiation, vibrations which exceeds the products IP rating. Voltage fluctuations which exceed the products power rating provided on the manual will also not be covered. Failure to maintain the product in accordance with the manual instructions can lead to fixture issues. Slight variations and degradation on LED color shift/brightness is normal overtime and does not affect the functionality of the product and use for its intended purpose.

For warranty claims, contact david@learnchristmaslighting.com

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 item, and **ENTER** to enter 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.

Menu Operation

MENU	Address	DMX Address	Set DMX Address, 1-512
	Work Mode	DMX Mode	Set the signal mode, the only option is DMX mode for this fixture.
	CH Mode	Set the DMX Channel Mode	14 CH – Default mode for xLights Model Supplied
			17 CH – 16 bit mode, good for use with stage lighting consoles.
	Test Mode	Sets the unit in TEST mode – allowing you to manually scroll and set values for each parameter of the light.	
	XY Setup	Allows you to invert and modify the pan and tilt.	X Invert: Inverts the pan of the light.
			Y Invert: Inverts the tilt of the light.
			XY Speed: Can be used to slow down the speed of the light. Default is "High".
	Signal	Allows you to see a readout of the DMX values being received.	
	System	Allows you to change system-wide setttings.	Backlight Time
			Screen Direction
			Language – English or Chinese – CHANGE WITH CAUTION!
	Reset	Does a re-homing of the unit.	

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.

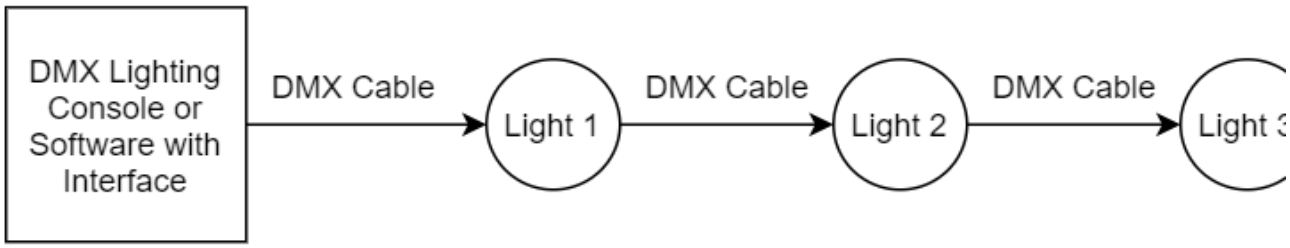
Multiple sets of 512 "universes" may be used. Only 1 universe will travel on a DMX cable, but through networked DMX (Art-Net or sACN E1.31), many universes can travel over a network.

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 it's 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.

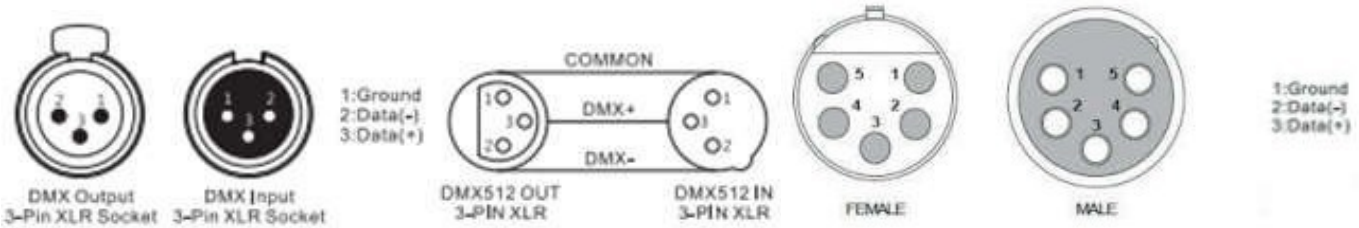
You may then connect your next fixture to the output of your first light, and continue the chain.



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).

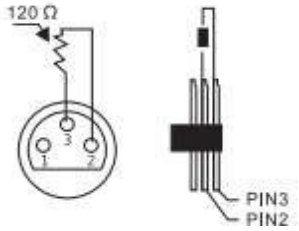
DMX Cables can be 3-pin or 5-pin. These use the same type of data, and in the 5-pin only pins 1, 2, and 3 are used. The cable should be a 2 conductor, shielded cable of at least 110 ohms resistance. Microphone cable is not DMX cable.

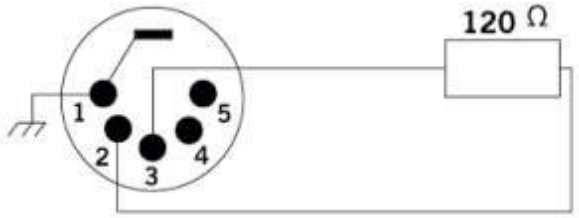
Please refer to the diagram below:



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 Dominar Beam IP 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 below to find the mode that best suits your needs. **For most xLights Users, the 14CH mode is ideal, and that is what we provide a model of.**

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.

14CH	17CH	Function	Channel Value	Description
1	1	Dimmer	0-255	Intensity, Low to High
	2	Dimmer Fine	0-255	
2	3	Strobe	0-5	Open
			6-64	Variable Speed Strobe, Slow to Fast
			65-195	Open
			196-249	Random Strobe, Slow to Fast
			250-255	Open
3	4	Color Wheel	0-4	Open
			5-12	Red
			13-21	Orange
			22-29	Light Blue
			30-38	Green
			39-46	Lime Yellow
			47-55	Light Lavender

			56-63	Rose
			64-72	Yellow
			73-81	Magenta
			82-89	Blue
			90-98	CTO 2600k
			99-106	CTO 3000k
			107-115	CTB 6500k
			116-123	Cyan
			124-189	Color Scroll CW, Slow to Fast
			190-255	Color Scroll CCW, Fast to Slow
4	5	Gobo Wheel	0-3	Open
			4-7	Gobo 1
			8-11	Gobo 2
			12-15	Gobo 3
			16-19	Gobo 4
			20-23	Gobo 5
			24-27	Gobo 6
			28-31	Gobo 7
			32-35	Gobo 8
			36-39	Gobo 9
			40-43	Gobo 10
			44-47	Gobo 11
			48-51	Gobo 12
			52-55	Gobo 13
			56-59	Gobo 14
			60-63	Gobo 15
			64-67	Gobo 16
			68-71	Gobo 17

			72-113	Gobo Rotate CW, Fast to Slow
			114-117	Open
			118-159	Gobo Rotate CCW, Slow to Fast
			160-166	Gobo 1 Shake, Slow to Fast
			167-172	Gobo 2 Shake, Slow to Fast
			173-179	Gobo 3 Shake, Slow to Fast
			180-185	Gobo 4 Shake, Slow to Fast
			186-191	Gobo 5 Shake, Slow to Fast
			192-198	Gobo 6 Shake, Slow to Fast
			199-204	Gobo 7 Shake, Slow to Fast
			205-211	Gobo 8 Shake, Slow to Fast
			212-217	Gobo 9 Shake, Slow to Fast
			218-223	Gobo 10 Shake, Slow to Fast
			224-230	Gobo 11 Shake, Slow to Fast
			231-236	Gobo 12 Shake, Slow to Fast
			237-244	Gobo 13 Shake, Slow to Fast
			245-249	Gobo 14 Shake, Slow to Fast
			250-255	Gobo 15 Shake, Slow to Fast
5	6	Frost	0-127	Open
			128-255	Frost Inserted
6	7	Prism	0-127	Open
			127-255	Prism Inserted
7	8	Prism Rotate	0-127	Index Prism
			128-190	Prism Rotate CW, Fast to Slow
			191-194	Stop
			195-255	Prism Rotate CCW, Slow to Fast

8	9	Focus	0-255	
	10	N/A		
9	11	Pan	0-255	
10	12	Pan Fine		
11	13	Tilt		
12	14	Tilt Fine		
13	15	N/A		
	16	N/A		
14	17	Control	0-254	N/A
			255	Reset

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

- Power Supply: AC100-240v 50/60hz Autoranging
- Power: 350w at 120v, 3amps.
- USITT DMX 512 Signal with RDM
- DMX Signal Connection – 3 Pin Input and Output
- Weight – 33lbs
- Size (mm)
- Operating Temperature: 32-221 degrees Fahrenheit.
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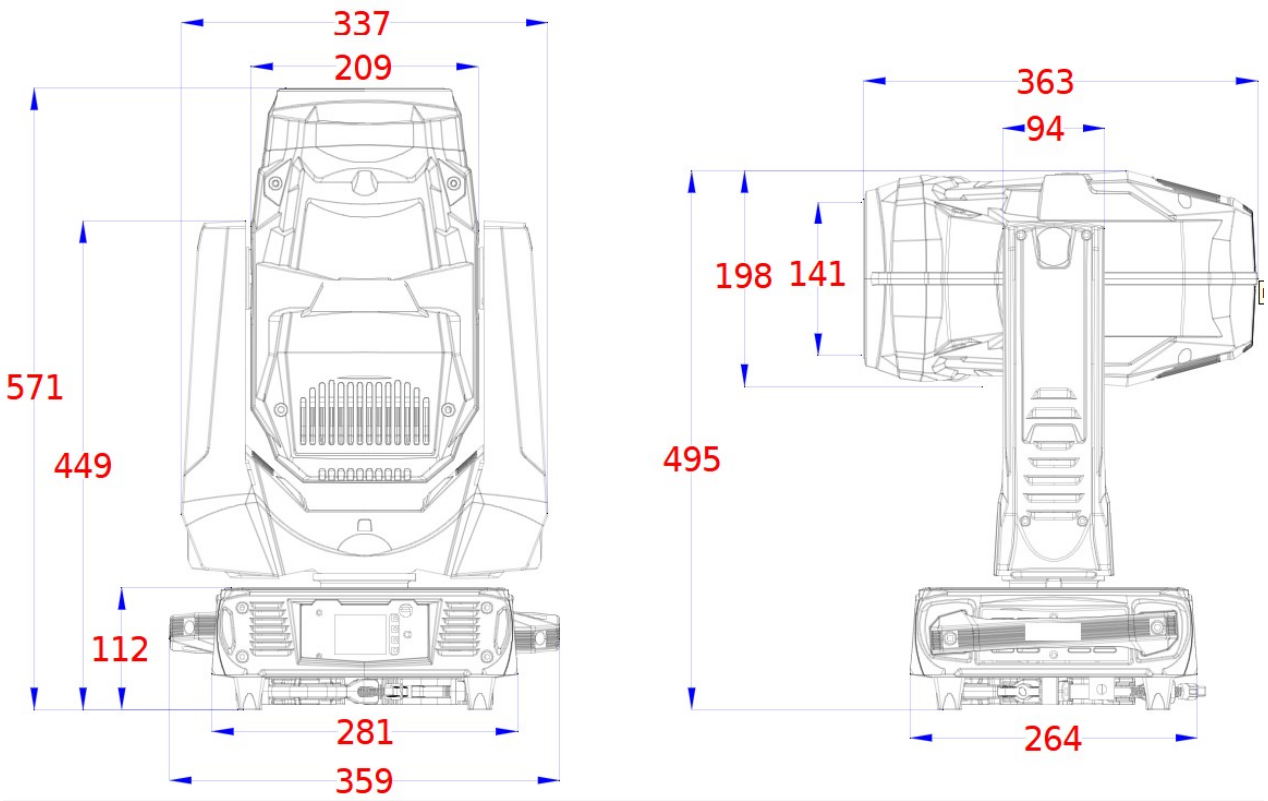

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3 Variable Speed Strobe

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