

TYPHONI™

IP PROFILE



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Waukesha, WI USA
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1. GETTING STARTED

What's In The Box?

- Typhon™ IP Profile 1000
- An Ever-So-Handy Power Cord
- This Lovely User Manual

Getting It Out Of The Box

Congratulations on purchasing the Typhon™ IP Profile 1000! Now that you've got the fixture, you should carefully unpack it and check the contents to ensure that all parts are present and in good condition. If anything looks as if it has been damaged in transit, notify the shipper immediately and keep the packing material for inspection. If a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

Powering Up!

All fixtures must be powered directly off a switched circuit and **cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch.**

AC Voltage Switch - Not all fixtures have a voltage select switch, so please verify that the fixture you receive is suitable for your local power supply. See the label on the fixture or refer to the fixture's specifications chart for more information. A fixture's listed current rating is its average current draw under normal conditions. Check the fixture or device carefully to make sure that if a voltage selection switch exists that it is set to the correct line voltage you will use.

Warning! Verify that the voltage select switch on your unit matches the line voltage applied. Damage to your fixture may result if the line voltage applied does not match the voltage indicated on the voltage selector switch. All fixtures must be connected to circuits with a suitable Ground (Earthing).

Getting A Hold Of Us

If something happens to go wrong, please visit www.blizzardpro.com/support and open a support ticket. We'll be happy to help, honest.

Disclaimer: The information and specifications contained in this document are subject to change without notice. Blizzard Lighting™ assumes no responsibility or liability for any errors or omissions that may appear in this user manual. Blizzard Lighting™ reserves the right to update the existing document or to create a new document to correct any errors or omissions at any time. You can download the latest version of this document from www.blizzardpro.com.

Author:	Date:	Last Edited:	Date:
J. Thomas	9/8/2023	J. Thomas	11/18/2023

Safety Instructions



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

- Please keep this User Guide for future use. If you sell the unit to someone else, be sure that they also receive this User Guide.
- ALWAYS make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 20in (50cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.
- ALWAYS disconnect from the power source before servicing or replacing fuse and be sure to replace with same fuse size and type.
- ALWAYS secure fixture using a safety chain. NEVER carry the fixture by its head. Use its carrying handles.
- DO NOT operate at ambient temperatures higher than 113°F (45°C).
- In the event of a serious operating problem, stop using the unit immediately. NEVER try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- NEVER connect the device to a dimmer pack.
- Make sure the power cord is never crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to the light source while it is on.

Caution! There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please open a support ticket at www.blizzardpro.com/support.

2. MEET THE TYPHON™ IP PROFILE 1000

MAIN FEATURES

- IP66-rated, LED moving head fixture
- 1000W white LED light source, 20,000 hrs.
- Pan: 360/540°, Tilt: 270° (8-16 bit resolution)
- 6-color + open color wheel
- Infinite CMY color mixing + CTO
- Color temperature correction: 6000K-2300K, CRI: ≥95
- 5°-40° motorized zoom and multi-point focus
- 4-blade rotating framing shutter system
- 6 rotating (+open), and 7 static gobos +open
- Bi-directional, variable speed effect wheel
- 1-25Hz strobe, synchronized + effects
- Built-in frost filter for wash effects
- Motorized iris with pulse effects
- 4-facet bi-directional rotating prism effects

CONTROL:

- Protocols: DMX-512, RDM
- DMX channels: 35/33/55-channel modes
- Easy-to-use 5-button control panel with LCD color display
- Operating modes: DMX512, master/slave, auto

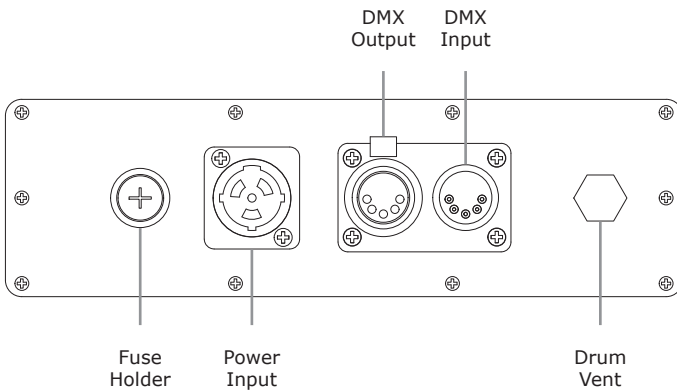
DMX Quick Reference (35/33/55-Channel Modes)

35CH	33CH	55CH	What It Does	35CH	33CH	55CH	What It Does
1	1	1	Pan	20	18	29	Animation Wheel Rotation
2	--	2	Pan (fine)	21	19	30	Iris
3	2	3	Tilt	--	--	31	Iris (fine)
4	--	4	Tilt (fine)	22	20	32	Prism
5	3	5	Pan/Tilt Speed	23	21	33	Prism Rotate
6	4	6	Strobe	--	--	34	Prism Rotate (fine)
7	5	7	Dimmer	24	22	35	Frost
--	--	8	Dimmer (fine)	25	23	36	Blade 1A
8	6	9	Zoom	--	--	37	Blade 1A (fine)
--	--	10	Zoom (fine)	26	24	38	Blade 1B
9	7	11	Focus	--	--	39	Blade 1B (fine)
--	--	12	Focus (fine)	27	25	40	Blade 2A
10	8	13	Color Wheel	--	--	41	Blade 2A (fine)
--	--	14	Color Wheel (fine)	28	26	42	Blade 2B
11	9	15	Cyan	--	--	43	Blade 2B (fine)
--	--	16	Cyan (fine)	29	27	44	Blade 3A
12	10	17	Magenta	--	--	45	Blade 3A (fine)
--	--	18	Magenta (fine)	30	28	46	Blade 3B
13	11	19	Yellow	--	--	47	Blade 3B (fine)
--	--	20	Yellow (fine)	31	29	48	Blade 4A
14	12	21	CTO	--	--	49	Blade 4A (fine)
--	--	22	CTO (fine)	32	30	50	Blade 4B
15	13	23	Color Presets	--	--	51	Blade 4B (fine)
16	14	24	Rot. Gobo Wheel	33	31	52	Blade Rotate
17	15	25	Rot. Gobo Wheel Index	--	--	53	Blade Rotate (fine)
--	--	26	Rot. Gobo Wheel Index (fine)	34	32	54	Dimming Curves
18	16	27	Static Gobo Wheel	35	33	55	Control, Reset, and Internal Programs
19	17	28	Animation Wheel				

Figure 1: The Typhon™ IP Profile 1000 Pin-Up Picture



Figure 2: The Rear Connections



3. SETUP



Before replacing the fuse, disconnect the power cord.
ALWAYS replace it with the same type and rating.

Fuse Replacement

Disconnect the power and remove the unit's power cord. Once the cord has been removed locate the fuse holder that is located next to the power input connection. Using a phillips head screwdriver, unscrew the fuse holder. Remove the bad fuse and replace with a new one, then screw the fuse holder back into place.

Connecting A Bunch of Typhon™ IP Profile 1000 Fixtures

You will need a serial data link to run light shows using a DMX-512 controller or to run shows on two or more fixtures set to sync in master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Fixtures on a serial data link must be daisy chained in one single line. Also, connecting more than 32 fixtures on one serial data link without the use of a DMX optically-isolated splitter may result in deterioration of the digital DMX signal.

The maximum recommended cable-run distance is 500 meters (1640 ft). The maximum recommended number of fixtures on a serial data link is 32 fixtures.

Data/DMX Cabling

To link fixtures together you'll need data cables.

You should use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

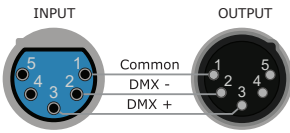
For instance, Belden© 9841 meets the specifications for EIA RS-485 applications. Standard microphone cables will "probably" be OK, but note that they cannot transmit DMX data as reliably over long distances. In any event, the cable should have the following characteristics:

- 2-conductor twisted pair plus a shield
- Maximum capacitance between conductors – 30 pF/ft.
- Maximum capacitance between conductor & shield – 55 pF/ft.
- Maximum resistance of 20 ohms / 1000 ft.
- Nominal impedance 100 – 140 ohms

For longer cable runs, it is a good idea to have a DMX terminator plug inserted into the female XLR (DMX output) connector of the last unit. This will properly terminate the data signal, greatly decreasing the possibility of erratic behavior.

Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end.



A Word on Termination:

DMX is a resilient communication protocol, however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.

To build your own DMX Terminator:

Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2 & 3 of the last fixture. They are also readily available from specialty retailers.

CAUTION: Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

3-Pin??? 5-Pin??? Huh?!?

If you use a controller with a 3-pin DMX output connector, you will need to use a 3-pin to 5-pin adapter. If you'd like to build your own, the chart below details a proper cable conversion:

Conductor	3-Pin Female (Output)	5-Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data 1- (Primary Data)	Pin 2	Pin 2
Data 1+ (Primary Data)	Pin 3	Pin 3
Data 2- (Optional)	--	Pin 4 - Do Not Use
Data 2+ (Optional)	--	Pin 5 - Do Not Use

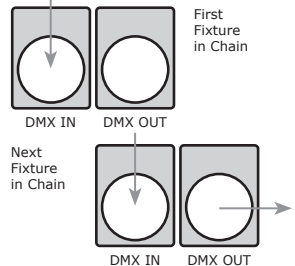
Take It To The Next Level: Setting Up DMX Control

Step 1: Connect the male connector of the DMX cable to the female connector (output) on the controller.

Step 2: Connect the female connector of the DMX cable to the first fixture's male connector (input).

Note: It doesn't matter which fixture address is the first one connected. We recommend connecting the fixtures in terms of their proximity to the controller, rather than connecting the lowest fixture number first, and so on.

Step 3: Connect other fixtures in the chain from output to input as above. Place a DMX terminator on the output of the final fixture to ensure best communication.



Fixture Linking (Master/Slave Mode)

1. Connect the (male) 5-pin connector side of the DMX cable to the output (female) 5-pin connector of the first fixture.
2. Connect the end of the cable coming from the first fixture which will have a (female) 5-pin connector to the input connector of the next fixture consisting of a (male) 5-pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

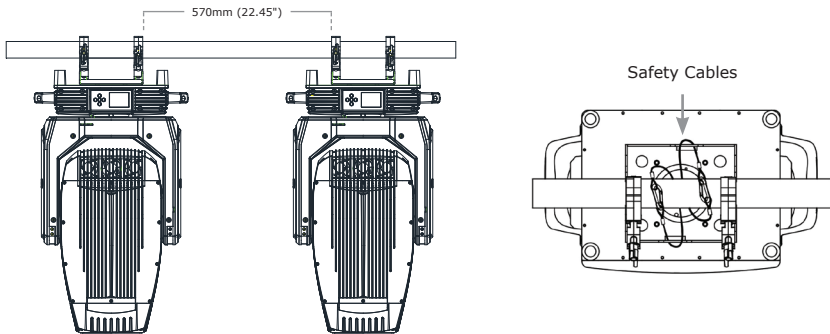
Clamp Mounting

Note: For quick setup, this fixture includes an integrated dual clamp assembly, and for permanent installs, an optional mounting plate with 4x 10mm bolt holes is available.

IMPORTANT:

Do not mount to surfaces of unknown strength, and ensure properly rated rigging is used when mounting fixtures overhead.

Overhead mounting requires extensive experience, which includes calculating working load limits, knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.



Instructions:

- 1.) *Stabilize the Fixture:* Engage the pan/tilt locks.
- 2.) *Position for Clamp Access:* Position the fixture to easily access the clamp assembly.
- 3.) *Prepare Clamps:* Swivel both clamps outward by 90° and open them adequately to fit around the truss bar.
- 4.) *Position on Truss:* Carefully lift the fixture and position it on the truss bar.
- 5.) *Secure Clamps:* Tighten the nut on each clamp in a clockwise direction to secure the fixture to the truss.
- 6.) *Safety Cable Attachment:* For additional security, attach safety cables. Refer to the provided illustration above.
- 7.) *Disengage Locks:* Once the fixture is securely mounted, disengage the pan/tilt locks to allow for its intended movement.

4. OPERATING ADJUSTMENTS

The Control Panel

All the goodies and different modes possible with this fixture are accessed by using the control panel on the front of the fixture. The buttons next to the LCD display allow you to navigate through the various control panel menus.

<ENTER>

Is used to navigate to a higher-level menu item.

<UP>

Scrolls through menu items and numbers in ascending order.

<DOWN>

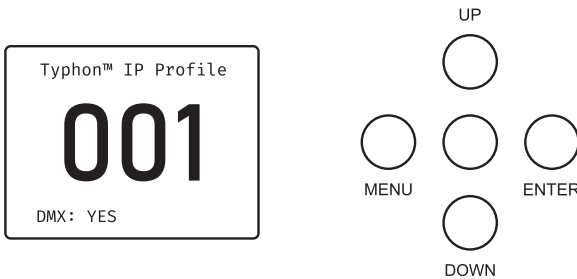
Scrolls through menu items and numbers in descending order.

<CENTER>

The center (middle) button is used to unlock the menu "Key Lock" function when enabled.

<MENU>

To return to the previous option or menu without changing the value.



The control panel LCD display shows the menu items you select from the menu map found on page #11. When a menu function is selected, the display will immediately show the first available option for the selected menu function.

Use the <UP>, <DOWN>, and <ENTER> buttons to navigate the menu options. Press the <ENTER> button to enable a menu option. To return to the previous option or menu screen without changing the value, press the <MENU> button.

Control Panel Menu Structure

Function	Set DMX Address		Set the starting DMX address from 001-512
	Channel Mode		Standard (35ch) Basic (33ch) Extended (55ch)
	Display Value	Display All Display None Pan --- Frost	Show any or all (active) DMX channel values on home screen
Info.	Running Hours		Current, total, last run, and LED on running times
	Temperature		LED, base, and head temperatures
	Fan Information		Fans 1-6 status and RPM information
	Error Info.		Displays any recorded error records
System Setting	Software Version		Current software information
	User Preferences	Console Set Addr	Address can be changed by console
		Lost DMX	Blackout/Hold
		Pan Reverse	Enable/Disable
		Tilt Reverse	Enable/Disable
		Pan Degree	360/540
		Feedback	Enable/Disable (auto position correction)
	Hibernation		Disable/1-120 min.
	Fan Control		Auto/High/Low
	Display Settings	Shutoff Time	1-80 Min/Disable LCD backlight
		Key Lock	Enable/Disable (press <CENTER> 3s to unlock)
		Display Reverse	Off/On/Auto
		Brightness	15-100% (80% = default)
	Temperature C/F		Celsius / Fahrenheit
	Restore Defaults		No/Yes
Dimming Modes		Perceptual Linear	
		Exponential	
		Parabolic	
Calibration		Calibration settings, PW=99	
Channel Adjust	Test Mode	Test All	Run test sequence of all functions. Press <MENU> button to exit test.
		Test Channel	Run test sequence on individual channels
	Manual Mode		Manually adjust individual values
Reset	Reset All		No/Yes (reset all motors)
	Reset Colors		No/Yes (reset color wheel)
	Reset Gobos		No/Yes (reset gobo wheels)
	Reset Zoom		No/Yes (reset zoom)
	Other Reset		Reset all other motors

DMX Values In-Depth (35/33/55-Channel Modes)

35CH	33CH	55CH	Value	What It Does
1	1	1	000 <-> 255	Pan
2	--	2	000 <-> 255	Pan (fine)
3	2	3	000 <-> 255	Tilt
4	--	4	000 <-> 255	Tilt (fine)
5	3	5	000 <-> 255	Pan/tilt speed (fast <-> slow)
6	4	6	000 <-> 010 011 <-> 020 021 <-> 117 118 <-> 126 127 <-> 180 181 <-> 191 192 <-> 245 246 <-> 255	Strobe Closed Open Strobe (slow <-> fast) Open Pulse effect Open Random (slow <-> fast) Open
7	5	7	000 <-> 255	Dimmer
--	--	8	000 <-> 255	Dimmer (fine)
8	6	9	000 <-> 255	Zoom (narrow <-> wide)
--	--	10	000 <-> 255	Zoom (fine)
9	7	11	000 <-> 255	Focus (near <-> far)
--	--	12	000 <-> 255	Focus (fine)
10	8	13	000 <-> 003 004 <-> 007 008 <-> 011 012 <-> 015 016 <-> 019 020 <-> 023 024 <-> 027 028 <-> 127 128 <-> 189 190 <-> 193 194 <-> 255	Color Wheel Open Red Orange Green Blue CRI Open (white) Color indexing Rainbow effect counterclockwise (fast <-> slow) No rotation Rainbow effect clockwise (fast <-> slow)
--	--	14	000 <-> 255	Color Wheel (fine)
11	9	15	000 <-> 255	Cyan
--	--	16	000 <-> 255	Cyan (fine)
12	10	17	000 <-> 255	Magenta
--	--	18	000 <-> 255	Magenta (fine)
13	11	19	000 <-> 255	Yellow
--	--	20	000 <-> 255	Yellow (fine)
14	12	21	000 <-> 255	CTO
--	--	22	000 <-> 255	CTO (fine)
15	13	23	000 <-> 015 016 <-> 135 136 <-> 255	CMY Color Macros No function Synchronous color (slow <-> fast) Random color (slow <-> fast)
16	14	24	000 <-> 009 010 <-> 019 020 <-> 029 030 <-> 039 040 <-> 049 050 <-> 059 060 <-> 069 070 <-> 077 078 <-> 093 094 <-> 109 110 <-> 125 126 <-> 141 142 <-> 157 158 <-> 173 174 <-> 189 190 <-> 221 222 <-> 223 224 <-> 255	Gobo Wheel 1 (Rotating) Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Open Gobo 1 shake (slow <-> fast) Gobo 2 shake (slow <-> fast) Gobo 3 shake (slow <-> fast) Gobo 4 shake (slow <-> fast) Gobo 5 shake (slow <-> fast) Gobo 6 shake (slow <-> fast) Open Rotate counterclockwise (fast <-> slow) No rotation Rotate clockwise (slow <-> fast)

DMX Values In-Depth (35/33/55-Channel Modes)

35CH	33CH	55CH	Value	What It Does
17	15	25	000 <-> 127 128 <-> 189 190 <-> 193 194 <-> 255	Rotating Gobo Index Gobo indexing Forward rotation (fast <-> slow) No rotation Backward rotation (slow <-> fast)
--	--	26	000 <-> 255	Rotating Gobo Index (fine)
18	16	27	000 <-> 009 010 <-> 019 020 <-> 029 030 <-> 039 040 <-> 049 050 <-> 059 060 <-> 069 070 <-> 077 078 <-> 093 094 <-> 109 110 <-> 125 126 <-> 141 142 <-> 157 158 <-> 173 174 <-> 189 190 <-> 221 222 <-> 223 224 <-> 255	Gobo Wheel 1 (Static) Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 1 shake (slow <-> fast) Gobo 2 shake (slow <-> fast) Gobo 3 shake (slow <-> fast) Gobo 4 shake (slow <-> fast) Gobo 5 shake (slow <-> fast) Gobo 6 shake (slow <-> fast) Gobo 7 shake (slow <-> fast) Rotate counterclockwise (fast <-> slow) No rotation Rotate clockwise (slow <-> fast)
19	17	28	000 <-> 031 032 <-> 255	Animation Wheel Off On
20	18	29	000 <-> 007 008 <-> 127 128 <-> 135 136 <-> 255	Animation Wheel Rotation Stop Forward rotation (fast <-> slow) Stop Backward rotation (slow <-> fast)
21	19	30	000 <-> 191 192 <-> 223 224 <-> 255	Iris Diameter (narrow <-> wide) Pulse effect (closing, fast <-> slow) Pulse effect (opening, slow <-> fast)
--	--	31	000 <-> 255	Iris (fine)
22	20	32	000 <-> 127 128 <-> 255	Prism Open Prism
23	21	33	000 <-> 127 128 <-> 189 190 <-> 193 194 <-> 255	Prism Rotate Prism indexing Forward rotation (fast <-> slow) Stop Backward rotation (slow <-> fast)
--	--	34	000 <-> 255	Prism rotate (fine)
24	22	35	000 <-> 255	Frost (0% to 100%)
25	23	36	000 <-> 255	Blade 1A
--	--	37	000 <-> 255	Blade 1A (fine)
26	24	38	000 <-> 255	Blade 1B
--	--	39	000 <-> 255	Blade 1B (fine)
27	25	40	000 <-> 255	Blade 2A
--	--	41	000 <-> 255	Blade 2A (fine)
28	26	42	000 <-> 255	Blade 2B
--	--	43	000 <-> 255	Blade 2B (fine)
29	27	44	000 <-> 255	Blade 3A
--	--	45	000 <-> 255	Blade 3A (fine)
30	28	46	000 <-> 255	Blade 3B
--	--	47	000 <-> 255	Blade 3B (fine)
31	29	48	000 <-> 255	Blade 4A
--	--	49	000 <-> 255	Blade 4A (fine)
32	30	50	000 <-> 255	Blade 4B
--	--	51	000 <-> 255	Blade 4B (fine)

DMX Values In-Depth (35/33/55-Channel Modes)

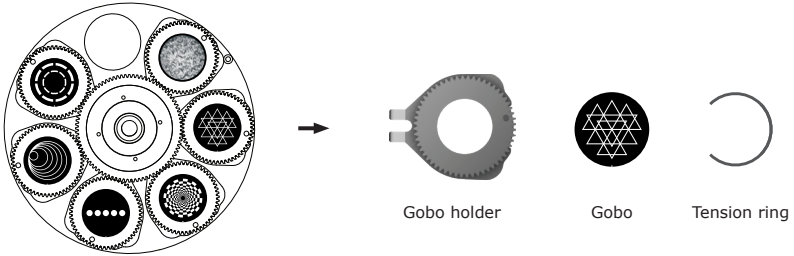
33	31	52	000 <-> 255	Blade Rotate
--	--	53	000 <-> 255	Blade Rotate Fine
34	32	54	000 <-> 040 041 <-> 044 045 <-> 048 049 <-> 054 055 <-> 255	Dimming Curves No function Perceptual linear Exponential Parabolic No function
35	33	55	000 <-> 004 005 <-> 009 010 <-> 014 015 <-> 019 020 <-> 024 025 <-> 026 027 <-> 028 029 <-> 030 031 <-> 032 033 <-> 034 035 <-> 036 037 <-> 044 045 <-> 049 050 <-> 054 055 <-> 058 059 <-> 062 063 <-> 066 067 <-> 069 070 <-> 074 075 <-> 079 080 <-> 084 085 <-> 087 088 <-> 090 091 <-> 093 094 095 096 097 <-> 099 100 <-> 102 103 <-> 105 106 <-> 108 109 <-> 111 112 <-> 255	Control, Reset, and Internal Programs No function Display off Display on Display invert off Display invert on Auto fan control mode Stage fan control mode Silent fan control mode Super silent fan control mode Constant fans off Constant fans on No function Square law Perceptual linear 1.2K 2.4K 16K 25K Gobo correction off Gobo correction on All motor reset Scan motor reset Colors motor reset Gobo motor reset No function Reset P/T fade off Reset P/T fade on Other motor reset Frost progressive off Frost progressive on CMY speed fast CMY speed slow No function

Troubleshooting

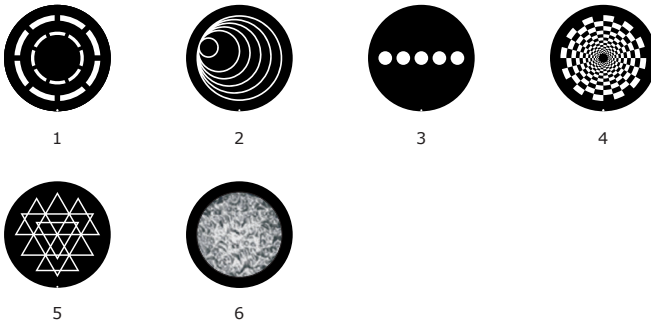
Symptom	Solution
Fixture Auto-Shut Off	Check the fan in the fixture. If it is stopped or moving slower than normal, the unit may have shut itself off due to high heat. This is to protect the fixture from overheating. Clear the fan of obstructions, or return the unit for service.
Beam is Dim	Check optical system and clean excess dust/grime.
No Power	Check fuse, AC cord and circuit for malfunction.
Blown Fuse	Check AC cord and circuit for damage, verify that moving parts are not restricted and that unit's ventilation is not obstructed
Slow Movement	Check that speed channels are set appropriately.
Fixture Not Responding / Responding Erratically	Make sure all connectors are seated properly and securely. Use Only DMX Cables. Install a Terminator. Check all cables for defects. Reset fixture(s).

Gobo Replacement

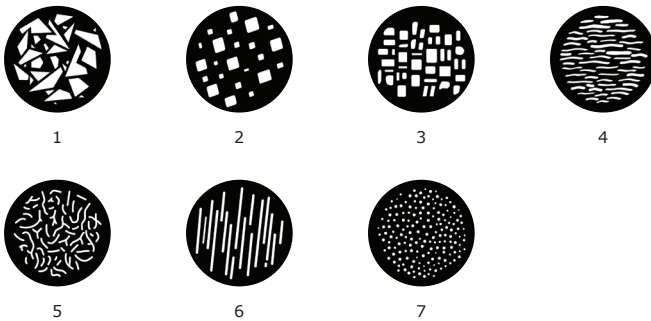
1. Remove the gobo cover by removing the four screws on the top of the fixture head.
2. Remove the slot-n-lock gobo from the wheel by lifting up slightly and sliding it out.
3. Using a small tool, pry the tension ring from the gobo holder.
4. Remove the old gobo, insert the new gobo, and replace using the reverse steps.



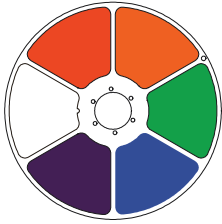
Rotating Gobos



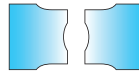
Static Gobos



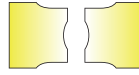
Colors and Motion Effects



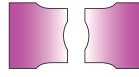
1. Open
2. Red
3. Orange
4. Green
5. Blue
6. UV



Cyan



Yellow

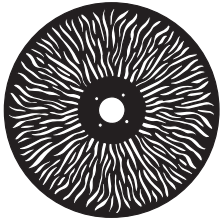


Magenta



CTO

Ra ≥ 95



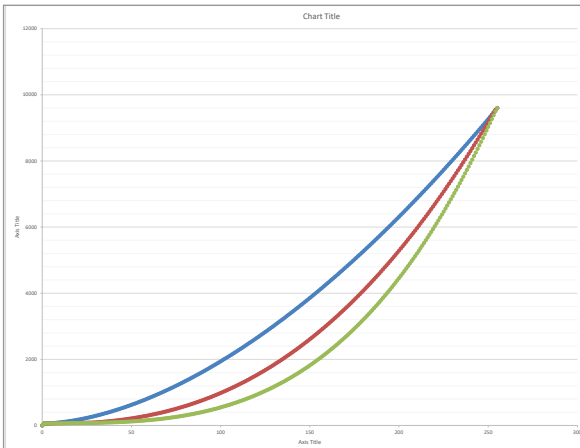
Animation Wheel

When used in conjunction with focus, the radial animation wheel can create soft textures and depth within the wash field, or it can add sharp animated projections & mid-air beam effects.

Dimming Modes

This fixture offers 3 distinct dimming curve settings, allowing for customizable rate and smoothness in the dimming process.

- Parabolic
- Linear (Perceptual)
- Exponential



5. APPENDIX

Keeping Your Fixture As Good As New

This fixture is a durable and professional-grade lighting instrument, designed to deliver exceptional performance with proper maintenance. Regular care is essential to ensure its optimal functionality.

Routine cleaning of the optics with an appropriate glass cleaner is crucial to maintain the high quality of light output. Keeping the fans free of dust and debris will keep the fixture running cool and prevent damage from overheating.

When transporting the fixture, always use protective cases. Just as you would safeguard a valuable musical instrument, your light fixtures deserve the same level of protection to prevent damage.

Common sense and taking care of your fixtures will be the single biggest thing you can do to keep them running at peak performance and let you worry about designing a great light show, putting on a great concert, or maximizing your client's satisfaction. That's what it's all about, after all!

Returns (Gasp!)

We've taken a lot of precautions to make sure you never even have to worry about sending a defective unit back, or sending a unit in for service. But, like any complex piece of equipment designed and built by humans, once in a while, something doesn't go as planned. If you find yourself with a fixture that isn't behaving like a good little fixture should, you'll need to obtain a Return Authorization (RA).

Don't worry, this is easy. Just go to our website and open a support ticket at www.blizzardpro.com/support, and we'll issue you an RA. Then, you'll need to send the unit to us using a trackable, pre-paid freight method. We suggest using USPS Priority or UPS. Make sure you carefully pack the fixture for transit, and whenever possible, use the original box & packing for shipping.

When returning your fixture for service, be sure to include the following:

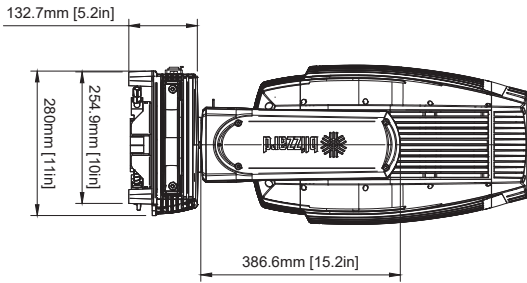
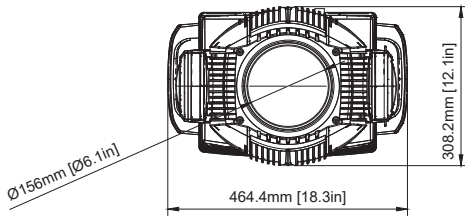
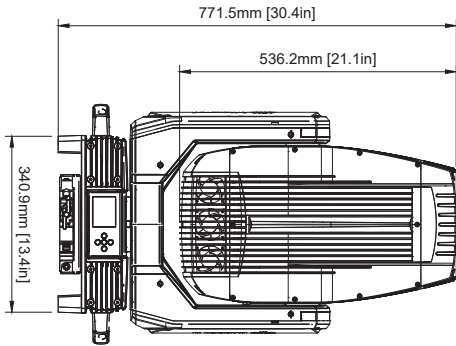
- 1.) Your contact information (Name, Address, Phone Number, Email address).
- 2.) The RA# issued to you
- 3.) A brief description of the problem/symptoms.

We will, at our discretion, repair or replace the fixture. Please remember that any shipping damage which occurs in transit to us is the customer's responsibility, so pack it well!

Shipping Issues

Damage incurred in shipping is the responsibility of the shipper, and must be reported to the carrier immediately upon receipt of the items. Claims must be made within seven (7) days of receipt.

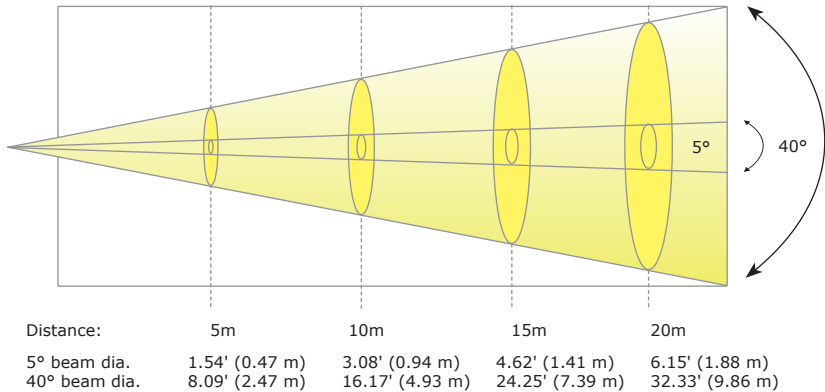
Dimensional Drawings



Tech Specs!

Weight & Dimensions	
Dimensions	18.3 x 12.1 x 30.4 in. (464.4 x 308.2 x 771.5 mm)
Weight	86 lbs. (39 kg)
Power	
Operating Voltage	100-240VAC, 50-60Hz
Max. Power Consumption	1,200W, 12.11A, PF.: .99
Fuse	15A/250V
Light Source	
LED	1000W white LED light source, 20,000 hrs.
Beam Angle	5°-40° beam angle
Movement Range	
Pan/Tilt	360/540° Pan, 270° Tilt
Thermal	
Operating Range	5°F to 113°F (-15°C to 45°C)
Control	
Protocol	USITT DMX-512, RDM
DMX Channels	35/33/55-channel modes
Input/Output	5-pin XLR Male/Female
Operating Modes	DMX512, Master/Slave, Auto
Warranty	
	2-year limited warranty

Photometric Data



Luminous Intensity (5°):

5m (lux)	5m (fc)	10m (lux)	10m (fc)	15m (lux)	15m (fc)	20m (lux)	20m (fc)
82,404	7,656	20,601	1,914	9,156	850.6	5,150	478.5

Luminous Intensity (40°):

5m (lux)	5m (fc)	10m (lux)	10m (fc)	15m (lux)	15m (fc)	20m (lux)	20m (fc)
2,438	226.5	610	56.63	271	25.17	153	14.16



Enjoy your product!
Our sincerest thanks for your purchase!
--The team @ Blizzard Lighting