



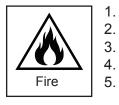
USER MANUAL

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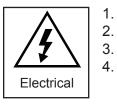
Read Manual, Cautions, and Warnings Prior to operation of this equipment.

Protection Against Fire



- Maintain a minimum of 1 foot distance from any type of flame.
- For indoor use only. Do not expose unit to rain or moisture.
- Do not install the unit too close to a heat source.
- Make sure cables are properly secured.
- Maximum surface operating temperature: 130°.

Protection Against Electrical Fire



Mechanical

- Disconnect power before servicing.
- For connection to main power supply, proceed to page 4.
- The power supply must be earthed (electronically grounded).
- This fixture must not be left on for long periods of time.

Protection Against Mechanical Hazards

1.

- Use secondary safety chain when hanging unit.
- Use quality clamps or bolts when positioning unit. 2. 3.
 - Do not open unit while it is on. Risk of electrical shock.

What is Included

1pc Framebot 600 1pc Power Cable 2pc Quick Release Clamp Mount 1pc User Manual

Specifications

Part Numbers

Fixture 1190 - Framebot 600

Mechanical Specifications

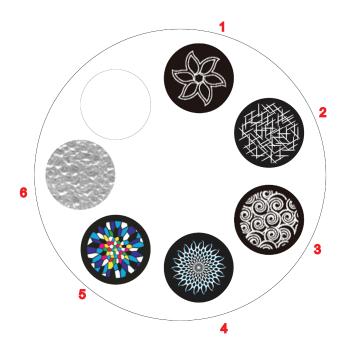
Housing:	High Temperature Resistant Plastics	
Fastening System:	By Directional Quick Release Clamp Mount	
Power Connection: Huashao power conn type (Nema 5-15 cable adapter include		
Signal Connection:	3 & 5 Pin XLR In and Out	
Pan Movement: Tilt Movement:	540° (16 bit, 3 Phase stepper Motor) 270° (16 bit, 3 Phase stepper motor)	
Zoom Angle:	6.5° to 42° (16 bit)	
Device Locking:	Pan And Tilt Transportation Lock	

Electrical Specifications

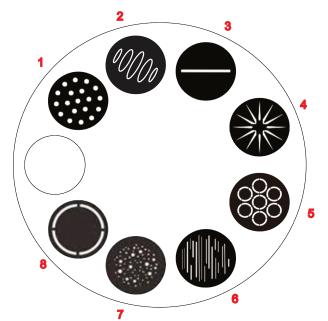
Light Source:	580W White LED	Power Supply:	Electronic 100-240V AC 50/60
Color Temp WW:	6408K	Power Consumption:	7.04 Amps / 807 Watts
CRI: (Warm White)	70		
Color Flags:	Cyan, Magenta, Yellow, Kelvin (CMYK)		
Color Wheel:	6 Color, Bi direction		
Rotating Gobo's:	6 Indexing, Bi directional, Changeable Gobo's		
Static Gobo's:	8 Fixed		
Colormation:	1 continues rotation Colormation TM effect		
Prism:	1 4 Facet Indexing Prism		
Iris:	1 Linear adjustable Iris with Macro		
Frost:	1 Frost Filter		
Focus:	Linear Focus (16 bit)		
Strobe:	0.3-20 Per Second		
Motorized Framing:	4 Blade, Dual Motor, Single Blade Blackout		
Framing Rotation:	180° Indexing Rotation		
RDM:	Yes		
Smart Cooling:	Performance, Normal, Quiet Fan Modes		
Display:	2.4" Color Display, Auto Flip		

Gobo's

Rotating Gobo's (Size 27.9mm, Image 22mm, Thickness Max 2.2mm)



Static Gobo's

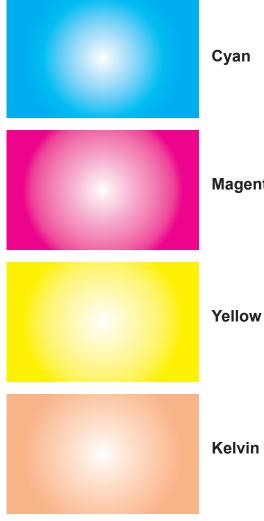


Colormation ™



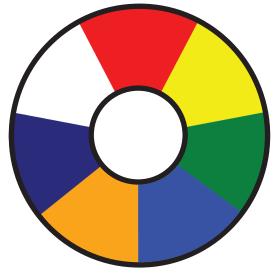
Colors

Color Mixing



Magenta

Color Wheel



Open 1 Red 2 Yellow 3 Green 4 Blue 5 Orange 6 Dark Blue

Main Power Connection

Caution!

- 1. Do not connect fixture to a dimmer system.
- 2. This unit must be earthed. (Electronically grounded)
- 3. Replace fuse only with the specified type and rating. (F20AL250V)
- 4. This device is equipped with auto switching power supply that will allow the fixture to work from 100V-240V AC 50/60Hz

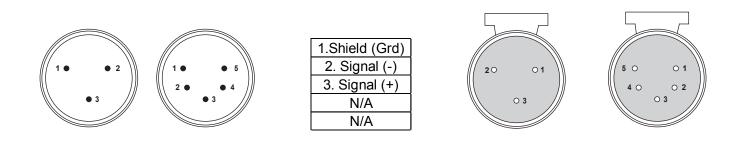
Cable USA	Cable EU	110V	220V
Black Brown		Live	Live
White Light Blue		Neutral	Live
Green Yellow / Green		Ground	Ground

DMX-512 Connection

The fixture is equipped with 3 and 5 pin XLR Sockets for DMX input and output connection. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 or 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX - Input

DMX - Output



Caution!

On the last fixture the DMX signal needs to be terminated with a terminator. Pr-manufactured terminator are available for purchase from your Mega-Lite dealer item #P-DMX-T.

Installation

Caution!

- 1. The Installation must be carried out by an authorized dealer or trained professional.
- 2. Unit may cause severe injures, if you have doubts concerning the safety do not install.
- 3. Unit is to be 24 inches away from flammable materials.
- 4. Use high quality installation equipment to hang the unit.
- 5. Internal Fan Filters must be cleaned periodically as not to block airflow.

When rigging the it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working weight loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secure with a secondary safety attachment. The installation location of the fixture has got to be built in the way that it can hold 10 times the weight for 1 hour with out any failures. Installation should be checked at least one time a year by a skilled professional.

Fixture should not be installed in location were temperature will reach 113°F or colder than 23°F.

Cleaning and Maintenance

Installation Maintenance- The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every year.

The following points must be considered during the inspection:

1)All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.

2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).

3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

4) Fixture housing must only be cleaned from the outside using only soap and water.

5) Internal fan filters but be cleaned periodically

Note: Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: When possible, only replace the fuse with the same type and rating.

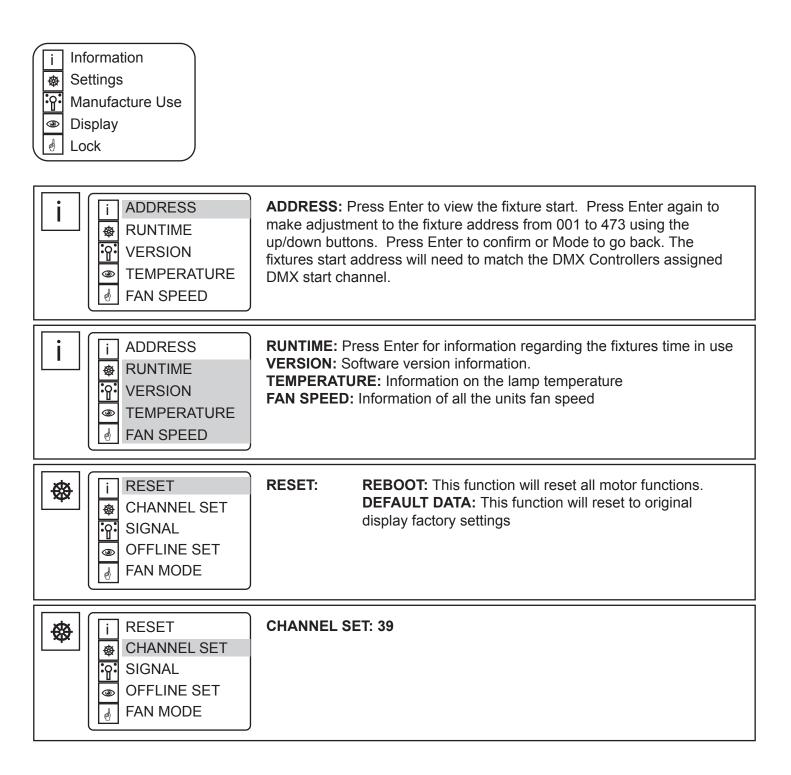
Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professionals only.

Should you have further questions, please contact your dealer.

Main Control

The control board on the fixture base is your interface to access and control all the functions on the unit. It's LCD display gives you a code view of the options and functions. The following will explain each function.





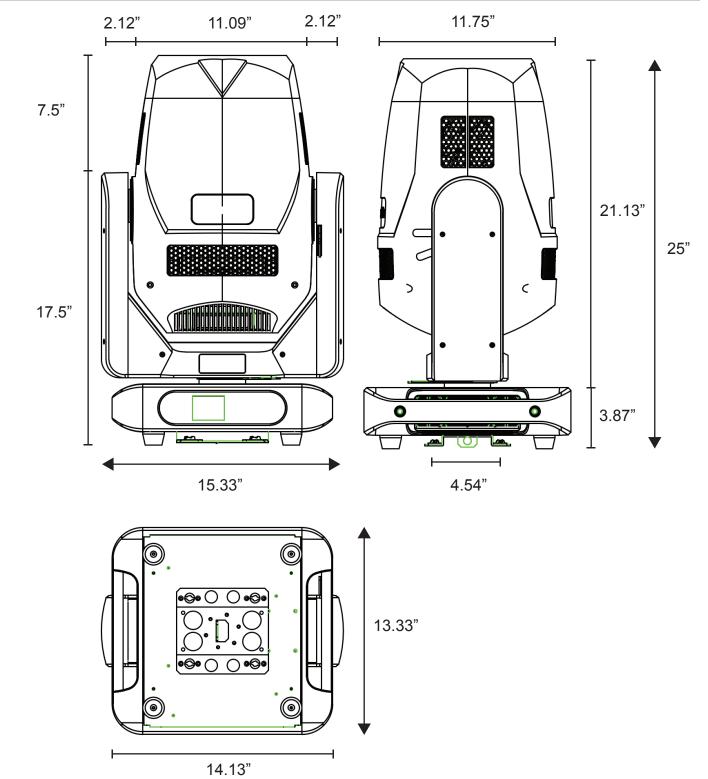
i RESET Image: Channel Set Image: Channel Set Image: Signal Image: Offline Set Image: Fan Mode	SIGNAL: DMX 512 Framebot 600 WDMX = Available on Framebot 600 Pro PROGRAM = Framebot 600 Artnet = Available on Framebot 600 Pro
i RESET Image: Channel Set Image: Channel Set Image: Signal Image: Offline Set Image: Image: Offline Set Image: Ima	OFFLINE SET: Sets default setting of fixture losses input signal. HOME: Will turn fixture to the home all channels 0 position. HOLD: Will hold the last signal received and will not change till receive new DMX command.
i RESET Image: Channel Set Image: Channel Set Image: Signal Image: Offline Set Image: Fan Mode	 FAN MODE: Sets the fixture fan speed NORMAL: Will adjust the fan speed automatically depending on the fixtures internal temperature (recommended). PERFORMANCE: Fan speed will stay at he highest level to maintain fixtures performance level. QUIET: Fixtures lamp output will be reduced to adjust to fixtures safe operating temperature
i WIRELESS SET	 WIRELESS SET: Links Wireless Solutions DMX (only available on Framebot 600 Pro) Link: Select link from Wireless Transmitter and Link from the display for Wireless DMX Operation (signal will also need to be switched to WDMX) Unlink: Select unlink to disconnect from wireless transmitter
i WIRELESS SET ADJUST ARTNET SET RDM UID	ADJUST: Fine adjustment of motor position All Motor functions can be finely adjusted for best optical path performance
i WIRELESS SET	ARTNET SET: Artnet signal setup Available on the Framebot 600 Pro

	i WIRELESS SET ↔ ADJUST ARTNET SET ↔ RDM UID ↔	RDM UID: Manufacture ID RDM Signal, Manufacture UID 6342 ID Mega Lite
۲	i LANGUAGE	LANGUAGE: Display Language Option ENGLISH, RUSSIAN, CHINESE
٢	i LANGUAGE BACKLIGHT REVERSE DISPLAY	 BACKLIGHT: Display view settings ON: Display will remain always on. OFF: Display will turn off after 30 seconds of no display use. FLASH: Display will turn of after 30 seconds no display use. And the display will flash if DMX signal is lost.
3	i LANGUAGE ⊕ BACKLIGHT •? •? •? •? •? •? •? •? •? •?	REVERSE DISPLAY: Display Orientation ON: Display will remain base to the bottom view. OFF: Display will invert to base on top view. Auto: Display will automatically invert depending base's position.
ø	i SETTING LOCK	SETTING LOCK & KEY LOCK: Display Lock ON: Display will remain base to the bottom view. OFF: Display will invert to base on top view. Auto: Display will automatically invert depending base's position.
ø	i SETTING LOCK	 PROGRAM: Manually created programs SELECT PROGRAMS: Select from 1-8 programs you would like to record EDIT PROGRAM: Adjust fixtures channel to be recorded. Press Enter to confirm. (Playback of programs is done in the Setting section under the Signal menu for Programs)

	ot 39Ch N	1		
DMX Channel	Function	Description	Value	Init Value
1	Pan	Pan	0-255	128
2	Pan Fine	Pan Fine	0-255	128
3	Tilt	Tilt	0-255	128
4	Tilt Fine	Tilt Fine	0-255	128
		Open	0-7	
		Red	8-15	
		Yellow	16-23	
		Green	24-31	
		Lime Green	32-39	
5	Color Wheel	Orange	40-47	0
		Dark Blue	48-55	
		Open	56-63	
		Color By Position	64-221	
		Counter Clockwise Rotation (Fast to Slow)	222-239	
		Clockwise Rotation (Slow to Fast)	240-255	
6	Cyan	Cyan off to full	0-255	0
7	Magenta	Magenta off to full	0-255	0
8	Yellow	Yellow off to full	0-255	0
9	Kelvin	Kelvin off to full	0-255	0
		Open	0-7	-
		Gobo 1	8-15	
		Gobo 2	16-23	
		Gobo 3	24-31	
		Gobo 4	32-39	
10	Static Gobo	Gobo 5	40-47	0
10		Gobo 6	48-55	
		Gobo 7	56-63	
		Gobo 8	64-71	
		Gobo By Position	72-143	
		Counter Clockwise Rotation (Fast to Slow)	144-199	
		Clockwise Rotation (Slow to Fast)	200-255	
		Open	0-7	
		Gobo 1	8-15	
		Gobo 1 Gobo 2	16-23	
		Gobo 2 Gobo 3	24-31	
		Gobo 3 Gobo 4	32-39	
11	Deteting Coho		40-47	0
11	Rotating Gobo	Gobo 5		0
		Gobo 6	48-55	
		Open	56-63	
		Gobo By Position	64-135	
		Counter Clockwise Rotation (Fast to Slow)	136-195	
		Clockwise Rotation (Slow to Fast)	196-255	
		No Function	0-3	
40		Gobo Rotation Index	4-123	-
12	Gobo Rotation	Counter Clockwise Rotation (Fast to Slow)	124-187	0
		Stop	188-191	
		Rotation Counter Clockwise (Slow to Fast)	192-255	0.5-
13	Dimmer	Dimmer off to full	0-255	255
14	Dimmer Fine	Dimmer off to full	0-255	127

		Open	0-10	
		Strobe (Slow to Fast)	4-103	
		Open	104-107	
15	Shutter	Strobe Pulse (Slow to Fast)	108-207	0
		Open	208-212	
		Random Strobe (Slow to Fast)	213-251	
		Open	252-255	
		Refresh Rate 1200	0-63	
16	Dimmer Refresh	No Function	64-127	0
		Refresh Rate 13672	128-191	
		No Function	192-255	
17	Prism	Open	0-31	0
		Prism Engage	32-255	
		No Rotation	0-3	
		Prism Index Rotation	4-123	
18	Prism Rotation	Counter Clockwise Rotation (Fast to Slow)	124-187	0
		Stop	188-191	
		Rotation Counter Clockwise (Slow to Fast)	192-255	
19	Zoom	Zoom	0-255	127
20	Zoom Fine	Zoom Fine	0-255	127
21	Focus	Focus	0-255	127
22	Focus Fine	Focus Fine	0-255	127
		Open to Close	0-127	
		Close	128-135	
23	Iris	Iris Pulse Close to Open (Slow to Fast)	136-173	0
		Iris Pulse Open to Close (Slow to Fast)	174-211	
		Iris Bounce (Slow to Fast)	212-249	
		Close	250-255	
24	Frost	No Function	0-9	0
		Frost (clear to frost)	10-255	
25	Colormation	No Function	0-7	0
		Colormation Engage (linear)	8-255	
		No Function	0-7	
26	Colormation	Counter Clockwise Rotation (Fast to Slow)	8-127	0
	Rotation	Stop	128-135	
		Rotation Counter Clockwise (Slow to Fast)	136-255	
27	Frame 1A	Frame 1A Engage	0-255	0
28	Frame 1B	Frame 1B Engage	0-255	0
29	Frame 2A	Frame 2A Engage	0-255	0
30	Frame 2B	Frame 2B Engage	0-255	0
31	Frame 3A	Frame 3A Engage	0-255	0
32	Frame 3B	Frame 3B Engage	0-255	0
33	Frame 4A	Frame 4A Engage	0-255	0
34	Frame 4B	Frame 4B Engage	0-255	0
-		No Function	0-7	
35	Frame Rotation	Frame Rotation	8-239	0
		Frame Bounce	240-255	0
36	Frame Rot Fine	Frame Rotation Fine	0-255	127
37	Frame Macro	No Function	0-3	0
~ ·		Frame Macro (1-63)	4-255	5
38	Scan Speed	Pan and Tilt Speed	0-255	0
~~		No Function	0-19	
		Reset All	20-29	
		Reset Pan & Tilt	30-39	
	1	Reset Color, Gobo, CMYK	40-49	
				0
30	Control	Reset Zoom Focus Dism Frost	50,50	
39	Control	Reset Zoom, Focus, Pism, Frost	50-59 60-69	U
39	Control (hold for 8 sec)	Reset Colormation, Iris, Framing	60-69	0
39				0

Size and Weight



Fixture Size:	15.33" X 13.33" X 25"
Fixture Weight:	56lb
Packaged Size:	30.5" X 18.5" X 21.5"
Packaged Weight:	66lb

General Terms & Conditions

1. All resellers must have approved and signed Reseller Application on file, including their respective state tax information and W-9. Applications are re-evaluated on a fiscal calendar year basis to assure business integrity and tax status.

- 2. Cash, check, cashiers check, ACH, wire transfer, MasterCard, Visa, Discover, and American Express are accepted forms of payment.
- 3. Past due invoices will be charged 1.5% per month finance charge. Uncollected invoices are subject to be turned over to collection.

4. The reseller will pay all reasonable expenses incurred in the course of collections.

5. The proper venue for litigation will be Bexar County, Texas.

6. Returned checks will be charged a \$50.00 fee.

7. All prices are in U.S. Dollars.

8. All prices and specifications are subject to change without notice, sales order confirmations are emailed and will reflect correct pricing.

9. All terms are insured, monitored, analyzed and approved by Co-face USA. Changes in credit line and approved terms can change without notice. Company authorization of credit is based on Co-face approvals. Any conflicts or disagreements should be referred to: 650 College Rd East Suite 2005 Princeton, NJ 08540. 1-609-469-0400. E-mail: cofaceusa@coface.com

10. Returns are subject to 25% restocking charge plus any necessary charges for repair or re-packaging.

Shipping Terms & Conditions

- 1. All orders are EXW San Antonio, TX (EXW means that a buyer/reseller incurs the risks for bringing the goods to their final destination) any deviation needs to be done in writing.
- 2. UPS ground shipping is the preferred shipping method. Requests for specific carriers may require use of the customer's account number and may incur an additional charge for handling.
- 3. Drop shipments are subject to all return charges at resellers expense. Drop shipments are not allowed outside of the territorial United States.
- 4. NO C.O.D. shipments allowed.
- 5. Returned and undelivered shipment charges are the buyer/resellers responsibility and will be billed to the buyer/reseller.
- 6. The freight carrier and Company shipping@mega.lighting should be notified upon receipt of damaged freight, discrepancies, or non-conformities within 24 hours. Company can assist in making claims with carriers or agents in the event of any loss or damage.
- 7. Upon acceptance in good order by Carrier from Company, the material becomes the property of the Reseller.

Warranty and Service Procedures

1. All returns require an RMA# (Return Merchandise Authorization number) before returning goods for any reason. For a service or warranty RMA, please email service@mega.lighting or call

(210)684-2600. For sales or demo returns, please contact sales@mega.lighting.

2. Case will be created and an RMA notice will be emailed. All units received must have the RMA # included with the unit as well as on the shipping label.

3. All shipping charges are the responsibility of the customer: MEGA Systems, Inc., Service, 18668 HWY 16 N., Helotes, TX 78023

Warranty for Products Purchased Before 2021

Unless otherwise stated in writing, product is covered by a one year parts and labor limited warranty and is subject to same limitations listed under the limited warranty exclusions listed below.

Warranty for Products Purchased After January 1, 2021

MEGA SYSTEMS INC ("MSI") hereby warrants to the original purchaser/owner (Customer"), MSI products to be free of manufacturing defects in material and workmanship, for the warranty periods as defined below from the original purchase invoice date. This warranty applies exclusively to new MSI branded and/or distributed products listed below, purchased from an MSI AUTHORIZED dealer/reseller. This warranty is not transferable and may or may not apply to products sold and/or forwarded outside the United States. Please contact MSI for applicable regional product warranty information.

The purchase of MSI product constitutes the Customer's acceptance of all warranty terms and conditions as listed in this limited warranty statement. This warranty provides the Customer with legal rights, which may vary from state to state. Please contact MSI regarding warranty questions prior to purchasing.

Ι	Product / Series	Warranty Period	Coverage
Ι	Battery Powered LED	Six month battery, one year all other components	1, 2
Ι	Moving LED, Hazers	One Year	2
	Outdoor IP-Rated LED	Two Years	3
	House Light LED, Decorative LED, Compact LED, iCandy LED, Theatrical LED, Strobe Wash LED, Follow Spot LED, Production & House of Worship Control, Architectural Control, Theatrical Control, Dance Venue & Mobile DJ Control,	Three Years	4

Direct View LED Displays, and MV Controllers

1. Battery: 183 days/six months 2. Parts and Labor: 365 days/one year 3. Parts and Labor: 730 days/two years 4. Parts and Labor: 1095 days/three years

This limited warranty excludes any defects caused by, resulting from, or relating to the following:

Normal wear and tear of lamps, color media, brushes, contact rings, lamp sockets, belts and other parts prone to wear and tear.

Misuse, abuse, improper handling, accident, alteration or attempts to repair by or on behalf of the owner or any person not authorized by MSI.

Damage to the product resulting from acts of God, including but not limited to, earthquakes, hurricanes, tornadoes, lightning and other natural disasters, fire, explosion, flood, riots, civil disorder or any other cause beyond the reasonable control of MSI.

Exposure to harsh or excessively corrosive environmental conditions (whether indoors or outdoors) including, but not limited to, extreme temperature, humidity, atmospheric conditions (including salinity or pressure), radiation (UV, infrared or nuclear), shock and conditions which exceed the product's Ingress Protection ("IP") rating.

Use of the product in a manner which exceeds the applicable product specification, including, but not limited to, exposure to excessive, insufficient, or other voltage conditions.

Installation or use of the product not in accordance with the technical documentation, MSI guidelines (as may be posted on its website at www.megasystemsinc.com from time to time or otherwise designated by MSI or its brands) or applicable building and electrical codes, regulations, and standards.

Failure to maintain the product in accordance with the technical documentation.

Natural degradation and color shift of the LED source over the course of normal product use.

Slight deviations in the specified values of intensity and color that do not affect the functionality of the product.

Use of the product not for its intended purpose.

All warranty claims are evaluated under the terms of this limited warranty. If a product falls within the warranty period and if, upon examination by MSI, it is found to have failed for a covered cause, MSI will, at its sole discretion, repair or replace the defective part or product or reimburse the purchaser a pro-rated portion of the purchase price based on the percentage of the warranty period still remaining as of the date that the returned product was received by MSI. Should a replacement part or product be discontinued or unavailable, MSI reserves the right, in its sole and absolute discretion, to substitute a comparable replacement part or product for the defective part of product. MSI warranty obligation hereunder is limited solely to the repair or replacement for the particular parts or products determined by MSI to have failed for a covered cause within the warranty period. In no event shall MSI be responsible to replace or reimburse purchaser for any products or portions of a system that MSI determines has not failed for a covered cause within the warranty period, even if such other product or portions of a system are used together with products being repaired or replaced by MSI under this warranty and the repaired product differs in brightness, colors or any other attribute after the repair.

Costs of removal, shipping to MSI or its authorized representative and re-installation are solely the responsibility of the purchaser. If MSI determines that the product is covered by this limited warranty, it will only pay for parts and labor as indicated by product type. If MSI determines that the product is not covered by this limited warranty, the purchaser will have the option of paying for the repair if the product can be repaired and the purchaser shall be responsible for the cost of shipping the repaired product back to the purchaser. MSI reserves the right, in its sole and absolute discretion, to decline any repair.

IN NO EVENT SHALL MEGA SYSTEMS, INC. BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, SPECIAL, INDIRECT OR PUNITIVE LOSS OR DAMAGE OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OF USE OF THE PRODUCT OR ANY OTHER GOODS OR ASSOCIATED EQUIPMENT, DAMAGE TO ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCTS, FACILITIES OR SERVICES, DOWN TIME COST, INSTALLATION OR LABOR COSTS, OR CLAIMS OF THE PURCHASER'S CUSTOMERS, WHETHER BASED ON WARRANTY, CONTRACT OR NEGLIGENCE, ARISING IN CONNECTION WITH THE SALE, USE OR REPAIR OF THE PRODUCT. MEGA SYSTEMS INC'S MAXIMUM LIABILITY SHALL NOT, IN ANY CASE, EXCEED THE PURCHASE PRICE OF THE PRODUCT THAT GIVES RISE TO THE CLAIM.

EXCEPT FOR THE LIMITED WARRANTY SET FORTH HEREIN, ALL PRODUCTS SOLD BY MEGA SYSTEMS, INC. ARE SOLD "AS IS" WITHOUT ANY WARRANTY, EXPRESS, OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ALL OF WHICH ARE EXPRESSLY AND SPECIFICALLY DISCLAIMED BY MEGA SYSTEMS, INC.

Customer Support

MEGA-Lite has a customer support line to provide set-up help and to answer any questions should you encounter a problem. Please visit our website for any other related technical documents. For service related issues, please contact our service dept.

Monday - Friday 9am to 6pm CST (210)684-2600 Service@mega.lighting

Manual Version

Please visit www.mega.lighting for the most up-to-date manual version.

Manual Version	Date	Fixture Software	Notes
1.0	01/04/2022	N/A	



MEGA-LITE 18668 Highway 16N Helotes, TX 78023 Phone (210)684-2600 / Fax (210)855-6279 www.mega.lighting / info@mega.lighting