

**MEGA**  
**LITE**<sup>®</sup>

**COLOR PICK**  
**LED PAR 0190**



## **USER MANUAL**

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## Check that the unit has not been damaged during transport.

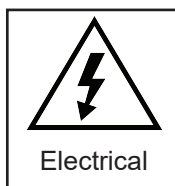
Read Manual, Cautions, and Warnings prior to operation of this equipment.

### Protection Against Fire



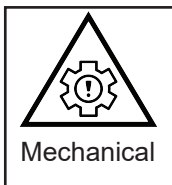
1. Maintain a minimum of 1 foot distance from any type of flame.
2. For indoor use only. Do not expose unit to rain or moisture.
3. Do not install the unit too close to a heat source.
4. Make sure cables are properly secured.
5. Maximum surface operating temperature: 130°.

### Protection Against Electrical Fire



1. Disconnect power before servicing.
2. For connection to main power supply, proceed to page 4.
3. The power supply must be earthed (electronically grounded).
4. This fixture must not be left on for long periods of time.
5. Do Not expose unit to rain or water.

### Protection Against Mechanical Hazards



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

### What is Included

1pc Color Pick LED Par Q190  
1pc Power Conn type to Nema 5-15P Cable connection  
1pc User Manual

# Specifications

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## Part Numbers

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### Fixture

4050 - Color Pick LED Par Q190

## Mechanical Specifications

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<b>Housing:</b>	Aluminum
<b>Fastening System:</b>	Mounting Yoke with Kick Stand
<b>Power Connection:</b>	Power Con Type In and Out
<b>Signal Connection:</b>	5 Pin XLR in and Out
<b>Lens Angle:</b>	25°
<b>Size:</b>	7.25" x 5.5" x 10"
<b>Weight:</b>	6.5 lb

## Electrical Specifications

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<b>LED Type:</b>	R,G,B, WW
<b>Color Temp WW:</b>	2958K
<b>CRI: (Warm White)</b>	75
<b>LED Qty:</b>	19
<b>Each LED Watts:</b>	10W
<b>Segment Control:</b>	4 Segments
<b>Power Input:</b>	110-240V AC 50/60Hz
<b>Power Consumption:</b>	155 Watts 2.06 Amp

## Control

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**DMX:** DMX 512 USITT Standard

### 4 Control Modes

Ch 4 Mode Red, Green, Blue, Warm White

Ch 6 Mode Dimmer, Red, Green, Blue, Warm White, Strobe

Ch 8 Mode Dimmer, Red, Green, Blue, Warm White, Strobe, Macro, Macro Speed

Ch 16 Mode, Center LED R,G,B,W, Middle Circle R,G,B,W, Outer Group 1 R,G,B,W, Outer Group 2 R,G,B,W

**RDM:** Yes

**Operating Mode:** Stand alone 255 step dimmer setting via display

## Main Power Connection

### Caution!

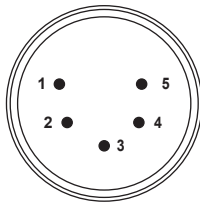
1. Do not connect fixture to a dimmer system.
2. This unit must be earthed. (Electronically grounded)
3. Replace fuse only with the specified type and rating. (F20AL250V)
4. Max Power Link 7 units @ 110V, 14@ 220V.
5. This device is equipped with auto switching power supply that will allow the fixture 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

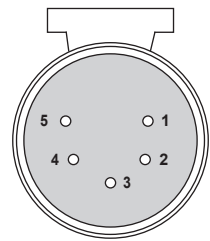
The fixture is equipped with 5 pin XLR Sockets for DMX input and output connection. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

### DMX - Input



1. Shield (Grd)
2. Signal (-)
3. Signal (+)
N/A
N/A

### DMX - Output



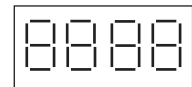
### Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm re-sistor between the (-) and the (+) signal into a 5 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (P-DMXT).

# Main Power Connection

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options. Press Up or Down to access the menu.

## Control Board



Menu Up Down Enter



<b>DMX Address</b>  001-512	<b>Channel Mode</b>  4 Ch Mode 6 Ch Mode 8 Ch Mode 16 Ch Mode	<b>Pre Programs</b>  0-21	<b>Speed of Programs</b>  0-15	<b>Strobe</b>  0-15	<b>Red Dimmer</b>  0-255	<b>Green Dimmer</b>  0-255	<b>Blue Dimmer</b>  0-255	<b>White Dimmer</b>  0-255
<b>Sound Mode</b> 	<b>Fan Control</b>  Mode 0 Mode 1 Mode 2							

### DMX Address

Press **Enter** to select the DMX Start channel use the **up/down** keys to arrive to the correct number. Make sure your DMX controller and fixture share the same fixture assign start channel to control the unit.

### Channel Mode

Press **Enter** to select the DMX Operating Channel mode. Different modes will give you different control over the functions of the lighting fixture, use the **up/down** keys to select mode. Make sure your DMX controller and fixture share the same mode of operation.

Channel Mode	
4 Ch Mode	Red, Green, Blue, White
6 Ch Mode	Dimmer, Red, Green, Blue, White, Strobe
8 Ch Mode	Dimmer, Red, Green, Blue, White, Strobe, Macro, Macro Speed
16 Ch Mode	Center LED R,G,B,W, Middle Circle R,G,B,W, Outer Group 1 R,G,B,W, Outer Group 2 R,G,B,W

### Pre-Programs

This fixture has a selection of pre-programs that are stored inside the fixture to access these programs press **Enter** use the **up/down** button to select the program (from 1 to 21) Press **Enter** to confirm. (This function will be recalled if the fixture is powered off and on) .

### Speed of Program

Press **Enter** use the **up/down** button to select the speed program (from 1 to 15). Press **Enter** to confirm. (This function will be recalled if the fixture is powered off and on)

FLAS

### Strobe

Fixture can be set to strobe any color combination by selecting flash function. There is 15 strobe speed settings. Once flash speed is selected you must engage the R,G,B,W dimmer settings to select color and intensity to strobe

rL --

### Dimmers

Press **Enter** use the **up/down** button to select the intensity of each color for manual display control use. Press **Enter** to confirm. (This function will be recalled if the fixture is powered off and on) .

Red Dimmer

rL --

Green Dimmer

gL --

Blue Dimmer

bL --

White Dimmer

wL --

SOUA

### Sound Mode

Sound mode will make the fixture react to audio levels around the fixture.

FAn-

### Fan Setting

There is 3 Fan setting options please select the best that works for your use.

Fan Modes	
Fan Mode 0	Fan will engage on/off with response to the internal temperature
Fan Mode 1	Fan Off, lights will dim in response to the internal temperature
Fan Mode 2	Fan will remain on

## DMX Profile

### Color Pick LED Par Q190 4Ch Mode

DMX Channel	Function	Description	Value	Init
1	LED Color	Red LED intensity	0-255	255
2	LED Color	Green LED Intensity	0-255	255
3	LED Color	Blue LED Intensity	0-255	255
4	LED Color	Warm White LED Intensity	0-255	255

### Color Pick LED Par Q190 6Ch Mode

DMX Channel	Function	Description	Value	Init
1	Dimmer	Dimmer	0-255	255
2	LED Color	Red LED intensity	0-255	255
3	LED Color	Green LED Intensity	0-255	255
4	LED Color	Blue LED Intensity	0-255	255
5	LED Color	White LED Intensity	0-255	255
6	Strobe	No Function	0	0
		Strobe (slow to fast)	1-84	
		Random 4 Segments (slow to fast)	85-169	
		Random (slow to fast)	170-255	

### Color Pick LED Par Q190 8Ch Mode

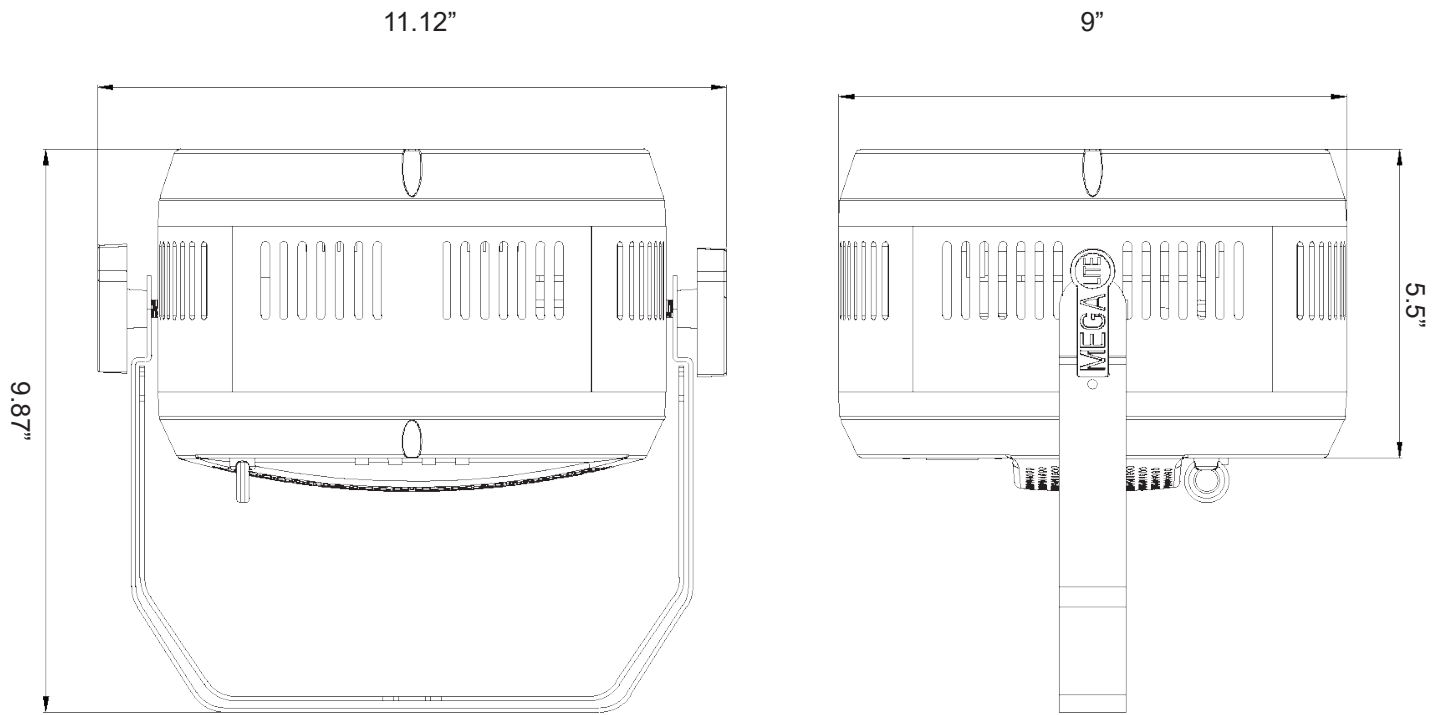
DMX Channel	Function	Description	Value	Init
1	Dimmer	Dimmer	0-255	255
2	LED Color	Red LED intensity	0-255	255
3	LED Color	Green LED Intensity	0-255	255
4	LED Color	Blue LED Intensity	0-255	255
5	LED Color	White LED Intensity	0-255	255
6	Strobe	No Function	0	0
		Strobe (slow to fast)	1-84	
		Random 4 Segments (slow to fast)	85-169	
		Random (slow to fast)	170-255	
7	Macro	No Function	0	0
		Program 1	1-19	
		Program 2	20-29	
		Program 3	30-39	
		Program 4	40-49	
		Program 5	60-69	
		Program 6	70-79	
		Program 7	80-89	
		Program 8	90-99	
		Program 9	100-109	
		Program 10	110-119	
		Program 11	120-129	
		Program 11	130-139	
		Program 12	140-149	
		Program 13	150-159	
Program 14	160-169			
Program 15	170-179			

		Program 16	180-189	
		Program 17	190-199	
		Program 18	200-209	
7	Macro	Program 19	210-219	0
		Program 20	210-219	
		Program 21	220-229	
		Program 22	230-255	
8	Macro Speed	Fast to Slow	0-255	0

Color Pick LED Par Q190 16Ch Mode				
DMX Channel	Function	Description	Value	Init
1	LED Color	Center Red LED intensity	0-255	255
2	LED Color	Center Green LED Intensity	0-255	255
3	LED Color	Center Blue LED Intensity	0-255	255
4	LED Color	Center White LED Intensity	0-255	255
5	LED Color	Second Circle Red LED intensity	0-255	255
6	LED Color	Second Circle Green LED Intensity	0-255	255
7	LED Color	Second Circle Blue LED Intensity	0-255	255
8	LED Color	Second Circle White LED Intensity	0-255	255
9	LED Color	Outer Group 1 Red LED intensity	0-255	255
10	LED Color	Outer Group 1 Green LED Intensity	0-255	255
11	LED Color	Outer Group 1 Blue LED Intensity	0-255	255
12	LED Color	Outer Group 1 White LED Intensity	0-255	255
13	LED Color	Outer Group 2 Red LED intensity	0-255	255
14	LED Color	Outer Group 2 Green LED Intensity	0-255	255
15	LED Color	Outer Group 2 Blue LED Intensity	0-255	255
16	LED Color	Outer Group 2 White LED Intensity	0-255	255



# Size and Weight



Fixture Size:	11.12" X 9" X 9.87"
Fixture Weight:	6.5 lb
Packaged Size:	11.5" X 11.5" X 12"
Packaged Weight:	8 lb

## Installation

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### Caution!

1. The Installation must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injuries, if you have doubts concerning the safety do not install.
- 3 Unit is to be 24 inches away from flammable materials.
4. Space between the base and surface should be properly sealed to avoid liquids entering the base unit.

When installing the fixture it is very important that you follow common safety procedures. Installation requires extensive Experience including but not limited to calculating working loads and periodic safety inspections. If you lack these Qualifications, do not attempt the installation yourself, instead use a professional.

The installation location of the fixture has got to be built in a way that it can hold 10 times the weight. Installation should Be checked at least one time every 2 years by a skilled technician.

## Cleaning and Maintenance

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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 2 years.

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 must only be cleaned from the outside using only dry towel.
- 5) If fixtures fan is not functioning please have service technician replace it.

**Note:** There are no serviceable parts inside the device. 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.**

**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 Coface USA. Changes in credit line and approved terms can change without notice. Company authorization of credit is based on Coface 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.

Product / Series	Warranty Period	Coverage
Battery Powered LED	Six month battery, one year all other components	1, 2
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, Direct View LED Displays, and MV Controllers	Three Years	4

**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 of or reimbursement 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 products 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

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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

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Please visit [www.mega.lighting](http://www.mega.lighting) for the most up-to-date manual version.

Manual Version	Date	Fixture Software	Notes
1.0	12/23/2021	N/A	



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