

# MEGA<sup>LITE</sup>

DRAMA  
LED 



## USER MANUAL

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Check that the unit has not been damaged during transport



Read all cautions and warnings  
prior to operation of this  
equipment

#### Protection Against Fire



Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit too close to a heat source.
5. Make sure cables are properly secured away from unit movement.
6. Maximum surface operating temperature 80°.

#### Protection Against Fire



Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

#### Protection Against Mechanical Hazards



Mechanical

1. Use 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.

# Technical Information

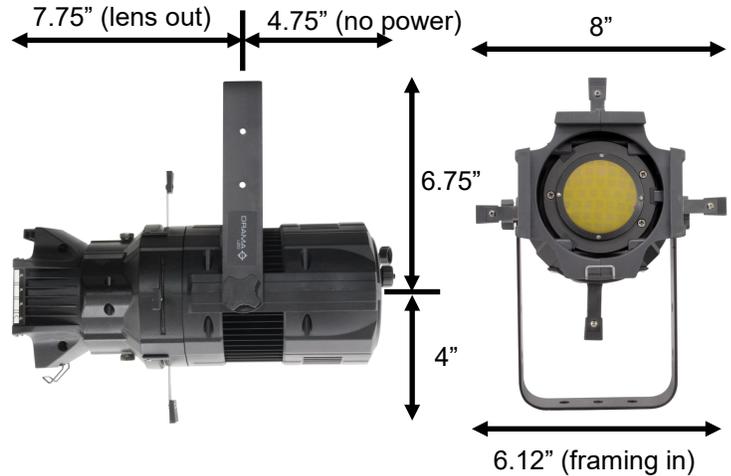
## Part Numbers

### Fixture

- 7050-Drama LED W50**
- 7051-Drama LED W50 With DMX Controller**
- 7052-Drama LED W50 White Housing**
- 7053-Drama LED W50 With DMX Controller White Housing**

## Mechanical Specifications

- DMX Connectors:** 3 or 5-pin XLR connectors in/out (specified at ordering)
- Power Connections:** Nema 5-15 to screw type base connector cable mounted
- Thermal:** Maximum ambient temperature 40° C  
Maximum surface temperature 60° C
- Display:** Digital
- Fastening System:** Mounting Yoke
- Gobo Diameter:** 45mm
- Image Diameter:** 25mm



Fixture	Packaged for Shipping
Size: 14.5"L x 8"W x 10.75"H	Size: 8"X 8" X 15"
Weight: 4.5 lbs	Weight: 6.5 lbs

## Electrical Specifications

- LED Type:** 1 COB LED
- Color Temp:** 5749K
- CRI:** 84
- LED Watts:** 50
- LED Lifetime:** 60,000 to 100,000 hours
- Lens Options:** 19°, 26°, 36° and 50°
- Power Consumption:** Universal 100 - 240V 50/60 Hz
- Ballast:** Electronic
- Watts:** 61
- Amps:** .86
- PF:** .59

## Control & Programming

- Protocol:** DMX 512
- DMX Channels:** 3 Mode of operation
  - Mode A 1 Channel On/Off
  - Mode P 1 Channel Dimmer
  - Mode F 2 Channel Dimmer/Strobe
- Operating mode:** Stand alone 255 step Dimmer setting via display on DMX controlled fixtures

# Main Power Connection

## Caution!

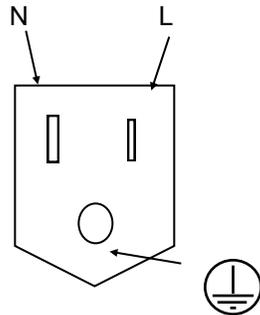
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

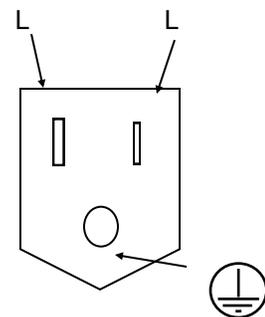
This fixture is equipped with an electronic power supply that will let the unit operate from 100V to 240V from 50Hz to

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground		

### 110V—Connection



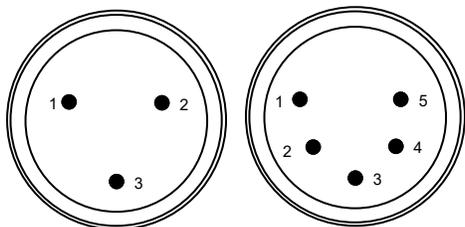
### 220V—Connection



## DMX-512 Connection

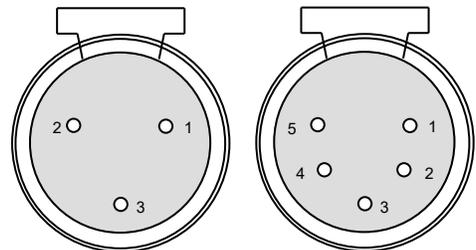
If you purchased Model 7051 or 7053 there was a DMX controller included in your packaging this will be your DMX interface device used to control the fixture via DMX controller. If you did not purchase the DMX controller then this fixture will only turn off and on using the switch on the rear of the fixture. The 7051 and 7053 fixture is equipped with 3 or 5 pin XLR Sockets for DMX input and output you must specify when ordering that type of connection you require. 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



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

### DMX—output

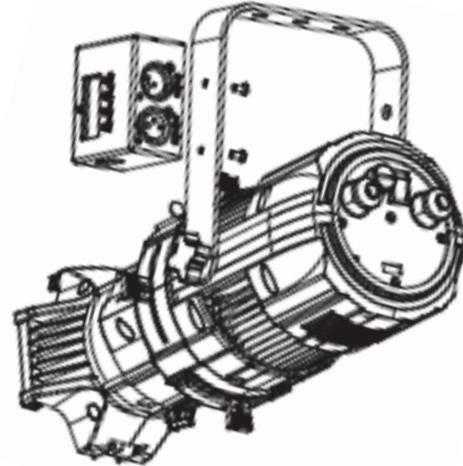
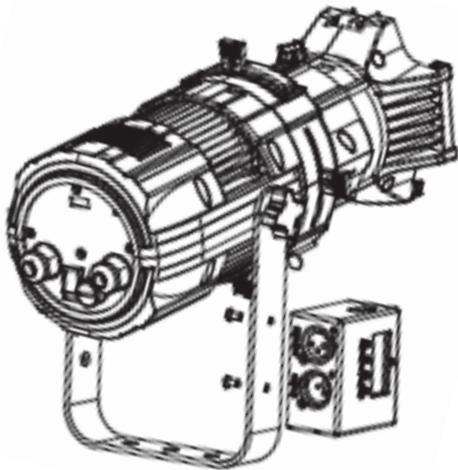


## Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 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).

## Mounting DMX Controller

The mounting of the DMX controller should be mounted on the side of the yoke. There is a left and right position for the mounting. If the yoke is in the down position the DMX Controller should be mounted on the right side. If yoke is on the Up position then the controller should be mounted on the left side.



### DMX Profile

## Drama W50 Mode A

DMX Chanel	Function	Description	Value
1	On/Off	LED off 0%	0-250
		LED on 100%	251-255

## Drama W50 Mode P

DMX Chanel	Function	Description	Value
1	Dimmer	LED intensity (off to on)	0-255

## Drama W50 Mode F

DMX Chanel	Function	Description	Value
1	Dimmer	LED intensity	0-255
2	Strobe	No Function	0-1
		Strobe (slow to fast)	2-196
		Random Strobe (slow to fast)	197-242
		Dimmer Full On	243-255

# Main Control

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.

## CONTROL BOARD



● ● ● ●  
ESC Enter Down Up

DMX Address	Channel Mode	White Dimmer	Flash	Dimming Curve	Display
Addr	CH--	UL--	FLAS	d in-	disp
1-512	A-P-F	0-255	0-255	0-3	On-Off

<p><b>Addr</b>   <b>DMX Address</b></p> <p>Press <b>Enter</b> to select the start channel.</p> <p>Use the <b>up/down</b> keys to select the required DMX start channel.</p>	<p>ADD  </p> <p>P00  </p> <p>F00  </p>
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<p><b>CH--</b>   <b>Channel Mode</b></p> <p>Press <b>Enter</b> to select the mode of operation.</p> <p>Use the <b>up/down</b> keys to select the mode .</p>	<p>ADD   Mode A (1 Channels) Off/On</p> <p>P00   Mode P (1 Channels) Dimmer</p> <p>F00   Mode F (2 Channels) Dimmer, Strobe</p>
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<p><b>UL--</b>   <b>White Dimmer</b></p> <p>This function allows you to dim the white LED on the whole module. Press <b>Enter</b> use the <b>up/down</b> keys to select desired dimmer settings. Press <b>Enter</b> to confirm the settings. (255 Steps)</p>
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<p><b>FLAS</b>   <b>Flash</b></p> <p>This function allows you to strobe the LED's in White color. Press <b>Enter</b> use the <b>up/down</b> keys to select desired flash speed settings. Press <b>Enter</b> to confirm the settings.</p>
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<p><b>d in-</b>   <b>Dimming Curve</b></p> <p>This function allows you to control the fade speed of the LED. Press <b>Enter</b> use the <b>up/down</b> keys to select desired fade speed settings from 0 to 3. Press <b>Enter</b> to confirm the settings. (4 Steps) 0 will have no fade time 4 will be the slowest.</p>
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<p><b>disp</b>   <b>Display Control</b></p> <p>This function allows you to control the display . Press <b>Enter</b> use the <b>up/down</b> keys to select <b>on</b> for the display to stay on or <b>off</b> for the display to turn off after 10 second of no use . Press <b>Enter</b> to confirm the settings.</p>
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## Rigging the fixture

### Caution!

1. The installations 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.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working 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 secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

## 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 2 years.

The following points have to 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.

**Note:** There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

**Replacing the fuse:** 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 professional only.

**Should you have further questions , please contact your dealer.**

## Parts List

7050-FAN	Replacement fan
7051-MPCB	Main PCB card
7050-PS	Power Supply
7050-MPOW	Male Power Head
7050-19LENS	19 Degree Lens Black Housing
7050-26LENS	26 Degree Lens Black Housing
7050-36LENS	36 Degree Lens Black Housing
7050-50LENS	50 Degree Lens Black Housing
7052-19LENS	19 Degree Lens White Housing
7052-26LENS	26 Degree Lens White Housing
7052-36LENS	36 Degree Lens White Housing
7052-50LENS	50 Degree Lens White Housing

7050-KNOB	Knob Set
7050-DMX3	DMX Controller Black Housing 3 Pin
7052-DMX3	DMX Controller White Housing 3 Pin
7050-DMX5	DMX Controller Black Housing 5 Pin
7052-DMX5	DMX Controller White Housing 5 Pin

## Accessories ( included )

7050-GOHOL	Gobo Holder
7050-GEHOL	Gel Holder
7050-PCAB	Power Cable

## Accessories

7050-IRIS	Removable Iris
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## Warranty Information

### Warranty Conditions

-Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.

-LEDs are not guaranteed to match in color temperature or output.

-It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

-Goods returned under warranty must follow the proper authorization procedure and must be accompanied by a copy of the original invoice.

-Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment.

-Repair or replacement as provided for under this warranty is the exclusive remedy of the consumer. MEGA SYSTEMS INC. makes no warranties, express or implied, with respect to any product, and Mega Systems specifically disclaims any warranty of merchantability or fitness for a particular purpose. Mega Systems shall not be liable for any indirect, incidental or consequential damage, including lost profit, sustained or incurred in connection with any product or caused by product defect or the partial or total failure of any product regardless of the form of action, weather in contract, tort (including negligence), strict liability or otherwise, and weather or not such damage was foreseen or unforeseen.

- Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**MEGA**  <sup>TM</sup>

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