

MEGA LITE

DRAMA
LED Z 50 CW



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. This unit must not remain on for long periods of time.
5. 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

7057-Drama LED Z50 CW

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

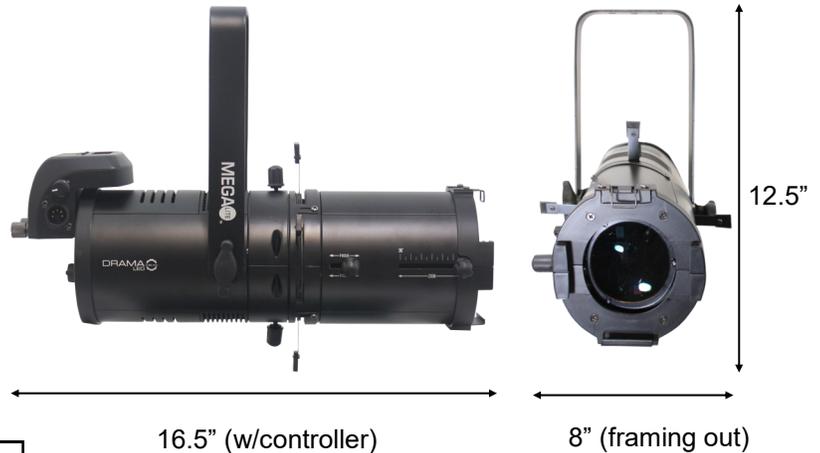
Display: Digital

Fastening System: Single Mounting Yoke

Gobo Diameter: 45mm

Image Diameter: 25mm

Barrel Rotation: 90°



Fixture	Packaged for Shipping
Size: 16.5"L x 8"W x 12.5"H	Size: 19.25"X 7.5" X 7.5"
Weight: 7.5 lb	Weight: 9 lb

Electrical Specifications

LED Type: 1 COB LED

Color Temp: 5925K

CRI: 81.9

LED Watts: 50

LED Lifetime: 60,000 to 100,000 hours

Lens Options: 19° to 36°

Power Consumption: Universal 100 - 240V 50/60 Hz

Ballast: Electronic

Watts: 49

Amps: .65

PF: .63

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

Photometrics

Output at Full

Lens	Lumens at Full Output	Efficiency
18°	2032	41lm/W
36°	2060	42lm/W

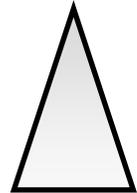
Lumens at Full Beam Angle 18°

Distance	Foot Candles	Beam Diameter
5'	1057fc	1.6'
10'	264fc	3.1'
15'	117fc	4.7'
20'	66fc	6.3'



Lumens at Full Beam Angle 36°

Distance	Foot Candles	Beam Diameter
5'	334fc	3'
10'	84fc	6'
15'	37fc	9'
20'	21fc	12'



Main Power Connection

Caution!

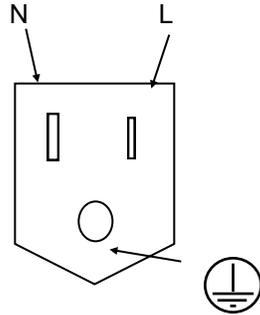
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

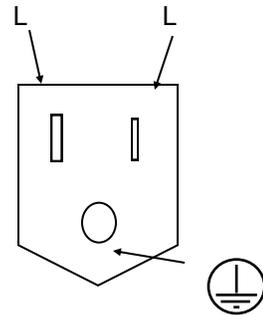
This fixture is equipped with an electronic power supply that will let the unit operate from 100V to 240V from 50Hz to

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

110V—Connection



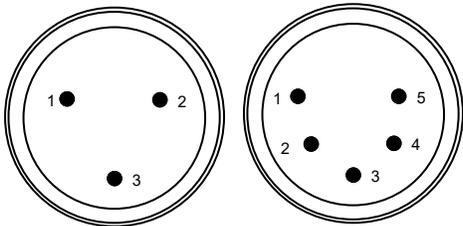
220V—Connection



DMX-512 Connection

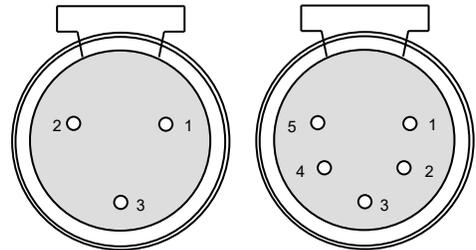
If you did not purchase the DMX controller 7057-CON-3 or 7057-CON-5 then this fixture will only turn off and on using the switch on the rear of the fixture. You require a separate DMX controller to operate this fixture with DMX Signal. The 7057-CON-3 is equipped with a 3 pin In and Out Connection and the 7057-CON-5 is equipped with a 5 pin In and Out Connection. 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 or 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).

Mounting DMX Controller

The mounting of the DMX controller should be mounted on the rear of the body. There is male USB Connection that needs to align with the female base connection. The 2 thumb screws need to be tightened to secure the controller with the fixture.



DMX Profile

Drama Z 50 Mode A

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

Drama Z 50 Mode P

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

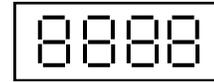
Drama Z 50 Mode F

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

If fixture was purchased with 7057-CON you will have Dimmer and DMX Control over the fixture . The control board on the fixture 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	Flash	Dimming Curve	Display
Addr	CH--	FLAS	d in-	d .SP
1-512	A-P-F	0-255	0-3	On-Off

ADD | DMX Address

Press **Enter** to select the DMX start channel.

Use the **up/down** keys to select the required DMX start chan-

ADD |

P00 |

F00 |

CHA Channel Mode

Press **Enter** to select the mode of operation.

Use the **up/down** keys to select the mode .

ADD | Mode A (1 Channels) Off/On

P00 | Mode P (1 Channels) Dimmer

F00 | Mode F (2 Channels) Dimmer, Strobe

FLAS Flash

This function allows you to strobe the LED's in White color. Press **Enter** use the **up/down** keys to select desired flash speed settings. Press **Enter** to confirm the settings.

d in- Dimming Curve

This function allows you to control the fade speed of the LED. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 3. Press **Enter** to confirm the settings. (4 Steps) 0 will have no fade time 4 will be the slowest.

d .SP Display Control

This function allows you to control the display . Press **Enter** use the **up/down** keys to select **on** for the display to stay on or **off** for the display to turn off after 10 second of no use . Press **Enter** to confirm the settings.

Control Knob

On the side of the control unit you will find a knob this knob is used to control the intensity of the LED. You can adjust the value from Min to Max. (note knob will not work if DMX signal is active) If DMX signal is lost the knob control will take over.

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.
3. Unit is to be 24 inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

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
7057-PCB-MAI	Main PCB card
7050-POW	Power Supply
7050-CON-POW	Male Power Head
7057-KNO	Knob Set
7057-LED	LED
7057-PCB-DRI	LED Driver

Accessories (included)

7050-ACC-GOB	Gobo Holder
7050-ACC-GEL	Gel Holder
7050-CAB-	Power Cable

Accessories

7050-IRIS	Removable Iris
7057-CON-3	DMX Controller 3 Pin
7057-CON-5	DMX Controller 5 Pin

Warranty Information

Warranty Conditions

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

-LED's and LAMPS 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.

Customer Support

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

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