MEGA LITE

CONILOR ™

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 to close to a heat source.
5. Make sure cable 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 submerge unit in water.

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.

Specifications

Part

Fixture

7100-UniColor CM5 White 3W (Warm White, Cool White)
7101-UniColor CM5 Color 3W (Red, Green, Blue, Amber)
7102-UniColor CM5 UV 3W (UV)
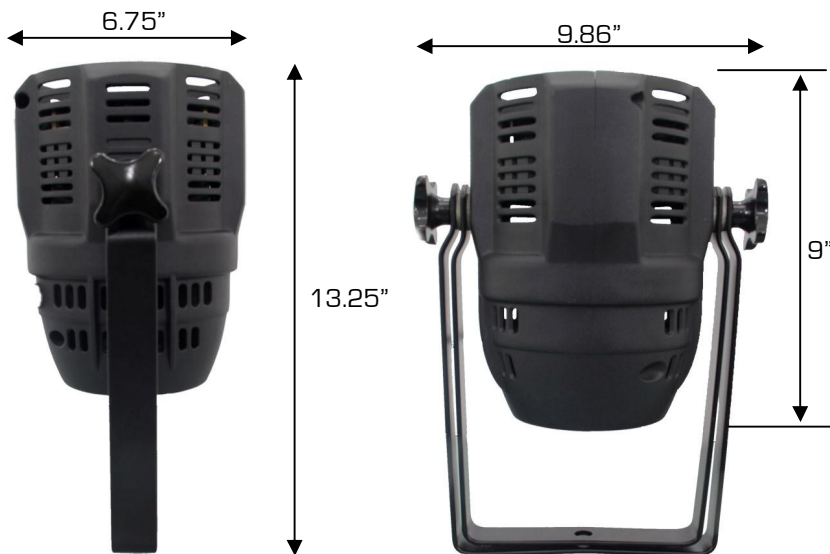**7103-UniColor CM5 White 5W (Warm White, Cool White)**

Mechanical Specifications

DMX Connections:	XLR 3 pin Or XLR 5 Pin
Power Connection:	Nema 5-15
Thermal:	Maximum ambient temperature Maximum surface temperature
Fastening System:	Dual mounting yoke

Fixture	Packaging
Size: 13.25+x 9.86+x 6.75+	Size: 16+x 9.5+x 9.5
Weight: 8lb	Weight: 9.5lb

Electrical Specifications

LED Quantity:	18 3 Watt or 5 Watt
LED Refresh rate :	400Hz (flicker free)
LED– Lifetime:	Average 60,000 to 100,000
Power Supply:	Electronic Universal 100-240V 50/60 Hz

Power Consumption	**3 Watt**	**5 Watt**
Watts:	62	94
Amps:	.87	.97
Protocol:	DMX 512	

DMX Modes:	2 Modes of operation	Mode 1	1 Channel Dimmer
		Mode 2	2 Channels Dimmer, Strobe
Display Setting:	Master Slave Standalone		

Ordering Information

Item Number		LED Color		Beam Angle		Fixture Color		DMX Input	
7100	18x3W	WW	Warm White	15	15°	BLAK	Black	3	3 pin in and out
		CW	Cool White	25	25°	WHIT	White	5	5 pin in and out
7101	18x3W	RE	Red	45	45°	XXXX	Custom		
		GR	Green	60	60°				
		BL	Blue						
		AM	Amber						
7102	18x3W	UV	Ultra Violet						
7103	18x5W	WW	Warm White						
		CW	Cool White						

Ordering Example

Item# 7100-CW-25-WHIT-5

= 18x3W—Cool White-25 degree-White Fixture Housing-5 pin Connectors in and out

5

Main Power Connection

This fixture is equipped with a auto switchable power supply that will let the unit operate from 110V or 220V from 50Hz to 60Hz.

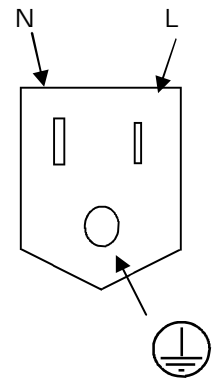The occupation of the connection-cable is as follows:

110V Connection

Cable (USA)	Cable (EU)	Pin	Connection
Black	Brown	Live	L
White	Light Blue	Neutral	N
Green	Yellow/Green	Ground	⏚

220V Connection

Cable (USA)	Cable (EU)	Pin	Connection
Black	Brown	Live	L
White	Light Blue	Live	N
Green	Yellow/Green	⏚	⏚

DMX-512 Connection

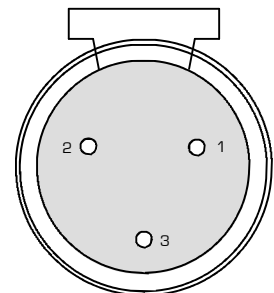The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input   **DMX—output**
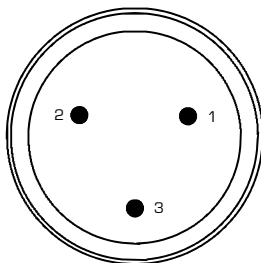
1. Shield
2. Signal (-)
3. Signal (+)

Main Control Menu for 7100, 7101, 7102 and 7103 LED model

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

DMX Address	DMX Mode	Single Color Dimmer	Fade Scroll	Fade Scroll
Addr	CHnd	UL --	FLAS	FAdE
1-512	1-Ch	00-15	00-15	00-15
	2-Ch			

Menu   Up   Down   Enter

Addr DMX Address

Press **Enter** to select the DMX start channel use the **up/down** keys, display will be flashing once you have selected the desired start channel Press **Enter** to confirm display will stop flashing.

CHnd DMX Mode

This function allows you to select the mode in witch you want to control the Arc 90. Press **Enter** use the **up/down** keys to select desired DMX mode settings. Press **Enter** to confirm the settings.

1 CH	Dimmer
2 CH	Dimmer, Strobe

UL -- Single Color Dimmer

This function allows you to dim up or down the Single Color LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

FLAS Flash

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

FAdE Fade Scroll

This function allows you to fade the LED's. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 15. Press **Enter** to confirm the settings.

DMX Profile for 7100, 7101, 7102 and 7103 LED model

UniColor 1Channel

DMX Chanel	Function	Description	Value
1	Dimmer	Single Color LED intensity	0-255

UniColor 2 Channel

DMX Chanel	Function	Description	Value
1	Dimmer	Single Color LED intensity	0-255
2	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255

Rigging the fixture

Caution!
1. The installations 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 24inches 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 UniColor CM5 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. Fuse is located inside the power supply

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

7100-bd	Barn door attachment
7100-my	Mounting Yolke
7100-Knob	Black Knob
7100-knobW	White Knob
7100-ps	Power supply
7100-dmx3	DMX 3pin connector card
7100-dmx5	DMX 5pin connector card

7110-dis-SC	Display 3Ch Control
7110-mpcbSC	Main PCB

Warranty Information

Limited Warranty

Unless otherwise stated, your product is covered by a one year parts and labor limited warranty. Dichroic filters and glass gobos are not guaranteed against breakage or scratches to coating. It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and dealer or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

Returning an Item Under Warranty for Repair

It is necessary to obtain a Return Material Authorization (RMA) number from your dealer or point of purchase BEFORE any units are returned for repair. The manufacturer will make the final determination as to whether or not the unit is covered by warranty. Lamps are covered by the lamp manufacturer's warranty.

Any Product unit or parts returned to MEGA Systems Inc. must be packaged in a suitable manner to ensure the protection of such Product unit or parts, and such package shall be clearly and prominently marked to indicate that the package contains returned Product units or parts and with an RMA number. Accompany all returned Product units or parts with a written explanation of the alleged problem or malfunction. Ship returned Product units or parts to: 5711 Kenwick St. San Antonio TX 78254 USA.

Note: Freight Damage Claims are invalid for fixtures shipped in non-factory boxes and packing materials.

Freight

All shipping will be paid by the purchaser. Items under warranty shall have return shipping paid by the manufacturer only in the Continental United States. Under no circumstances will freight collect shipments be accepted. Prepaid shipping does not include rush expediting such as air freight. Air freight can be sent customer collect in the Continental United States.

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 PROFITS, SUSTAINED OR INCURRED IN CONNECTION WITH ANY PRODUCT OR CAUSED BY PRODUCT DEFECTS OR THE PARTIAL OR TOTAL FAILURE OF ANY PRODUCT REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, AND WHETHER 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.

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