



NOVA-LITE WW150



USER MANUAL

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Check that the unit has not been damaged during transport.
Report any shipping damages to the shipping company.

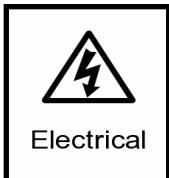


Protection Against Fire



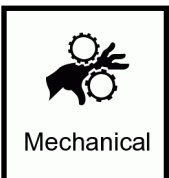
1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit to close to a heat source.
5. Make sure cable are properly secured.
6. Maximum surface operating temperature 113°.
7. Do Not block any air ventilation. Allow the fixture space between other fixtures and the wall.

Protection Against Electrical Injury



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. Ip 64 do not submerge into water.

Protection Against Mechanical Hazards



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.
4. Consistent operational breaks is recommended for a longer fixture life.

Ingress Protection



The IP rating is commonly expressed as **IP (Ingress Protection)** is followed by 2 numbers (i.e. 65) where the numbers define the fixture rating. The first number indicates the size of a particle that can enter the fixture.. The second number indicates the extent of protection against water entering the fixture. An IP20 rating in this fixture indicates that dust particles can enter the fixture. And there is no protection against water entering the fixture.

Safety Standards



1. This Products Conforms to USA and Canada ETL Safety Standards. And has been tested for Stage Lighting Safety Standards UL 1573

Technical Information

Part Numbers

4452- Nova Lite WW150

Mechanical Specifications

DMX Connectors: Neutrik 3 & 5 pin
Power connection: Neutrik Power Con to Nema 5-15 (cable mounted)
Thermal: Maximum ambient temperature 105°
Maximum surface temperature 113°
Fastening System: Dual Yoke
Display: Digital
Lens Angle: 55° reflector,
30° and 15° degree lens (included)
60° Beam 80° Field angle diffusion lens (accessory)



Fixture	Packaging
Size: 10.25" x 11.85" x 5.75" Weight: 7lb	Size: 13.5" x 11.25" x 7.5" Weight: 8.75lb

Electrical Specifications

LED Quantity: 1 COB LED Warm White
LED Watts: 150W
Color Temp: 3071K
CRI: 95
LED Lifetime: 40 to 80 thousand hours average
Refresh Rate: 12000 Hz
Power Input Voltage: 110V-240 50/60 Hz
Ballast: Electronic auto switching
Power Consumption: Watts: 163
Amps: 1.39

Control & Programming

Protocol: DMX 512
DMX Modes: Mode 1 Channels Dimmer
Mode 2 Channels Dimmer, Strobe
Mode 3 Channels Dimmer, Strobe, Dim Speed
Control Options: Display preset setting



Main Power Connection

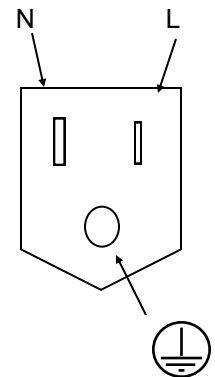
Caution!

1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 240V automatically
3. This unit must be earthed. (electronically grounded)

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 60Hz

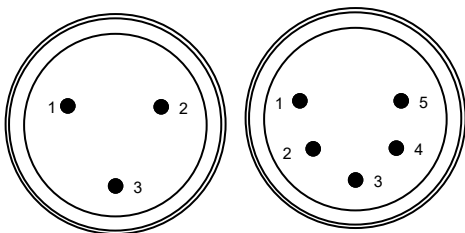
Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground		



DMX-512 Connection

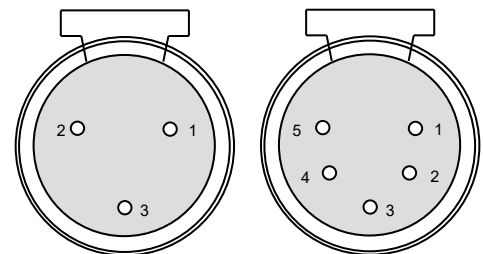
The fixture is equipped with Neutrik NC3FXX-HD and NC3MXX-HD IP 67 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—Input



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

DMX—Output

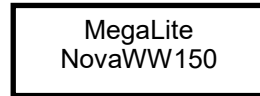


Caution!

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-DMX-T).

Display Menu

CONTROL BOARD



● ● ● ●
Mode Enter Up Down

DMX
Address

DMX Address

Press **Set Up** to select the DMX start channel use the **up/down** keys, Press **Set Up** to confirm the setting

Channel Mode

DMX Mode

This function allows you to select the mode in which you want to control the fixture. 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
3 CH	Dimmer, Strobe, Dim Speed

Dimmer

Color Dimmer

This function allows you to dim up or down the LED's . Press **Enter** use the **up/down** keys to select desired color to adjust settings.

Warm White
Dimmer

Use the **up/down** keys to select desired intensity to adjust. Press **Enter** to confirm.
(note; Last set intensity will return when in Dimmer mode.)

Strobe Mode

Strobe

This function allows you to select a preprogrammed strobe sequences. Press **Enter** use the **up/down** keys to select desired strobe program (15 options). Press **Enter** to set the desired speed use the **up/down** keys (15 options). Press **Enter** to confirm the settings. (note; Dimmer of selected intensity must be dimmed prior in Dimmer option)

Fade Mode

Fade

This function allows you to select a preprogrammed fade sequences speed. Press **Enter** use the **up/down** keys to select desired fade program speed (15 options). Press **Enter** to set the desired speed use the **up/down** keys. Press **Enter** to confirm the settings.

Dimming Curve

Dimming Speed

Press **Enter** to select the desired dimming speed when used with a DMX controller. Use the **up/down** keys to select from 0 to 3. 0 speed will be the fastest 3 will be the slowest. Press **Enter** to confirm.

Settings

Settings

This function allows you to dim up or down the LED's . Press **Enter** use the **up/down** keys to select desired color to adjust settings.

LCD
Back Light

Use the **up/down** keys to select desired wait time before auto turn off of the display or on for always on display. Press **Enter** to confirm.

DMX
Fail

Use the **up/down** keys to select the function of the light if DMX signal is removed. Off will turn the dimmer off. Hold will hold the last DMX command. Press **Enter** to Confirm

DMX
Synchronous

Factory
Reset

Use the **up/down** keys to select to return the fixture to original factory settings

Nova Lite WW150 DMX Profile

Nova Lite WW150 1Ch

DMX Channel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255

Nova Lite WW150 2Ch

DMX Channel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255

Nova Lite WW150 3Ch

DMX Channel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255
3	Dimming Speed	Dim Speed 0	0-62
		Dim Speed 1	63-124
		Dim Speed 2	125-187
		Dim Speed 4	188-255

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 fixture 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.



Pendant Mount: When using pendant and treaded mount consider the following

- 1) Remove the yoke as it will no longer be used.
- 2) Using a standard 1/2 bolt you can hang the fixture by threading directly into the top. (a metric 10mm version is also available part #4450-HPM)
- 3) Using a steel cable you can hang the fixture by running a steel cable throw the side hole
- 4) It is very important that you secure the fixture with a secondary safety .

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 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. 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

4452-LED	Replacement LED
4452-DRI	LED Driver card
4452-PS	Power Supply
4452-DIS	Display
4450-KN	Knob Set
4450-FP	Frontal Plastic
4450-KNS	Small Knob Set
4450-DIF15	15 Degree Lens
4450-DIF30	30Degree Lens
4450-HPS	Hanging Point Standard (1/2 inch)

Accessories

4450-DIF60	60 Degree Diffusion Lens
4450-BD	Barn Door
4450-CT	Ceiling Tile Holders (set)
4450-DT	Decorative Trim
4450-HPM	Hanging Point Metric (10mm)

Warranty Information

Warranty Conditions

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

-LEDs or 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 and Return Authorization Number given by MSI.

-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.

Monday—Friday 9am to 6pm CST

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