

## *N-E Color Par 38*



## 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 cable is properly secured.
6. Maximum surface operating temperature 80°.

#### Protection Against Electrical Shock



Electrical

1. For connection to main power supply proceed to page 5.
2. This unit must be earthed. (electronically grounded)
3. 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 risk of electrical shock.

# Technical Features

## Part Numbers

### Fixture

4061- N-E Color Par 38

## Mechanical Specifications

**DMX Connectors:** 3-pin XLR connectors

**Thermal:** Maximum ambient temperature 40° C  
Maximum surface temperature 60° C

**Fastening System:** Mounting Yoke

**Refresh rate :** 400Hz (flicker fee)



Fixture	Packaged for Shipping
Size: 8.5"L x 7.5"W x 9.5"H Weight: 2.05 lb	Size: 10.5"L x 7"W x 7.5"H Weight: 3 lb

## Electrical Specifications

**LED Quantity:** 90

**Red:** 30  
**Green:** 30  
**Blue:** 30

**LED Diameter:** 10 mm

**LED Lifetime:** 60,000 to 100,000 hours

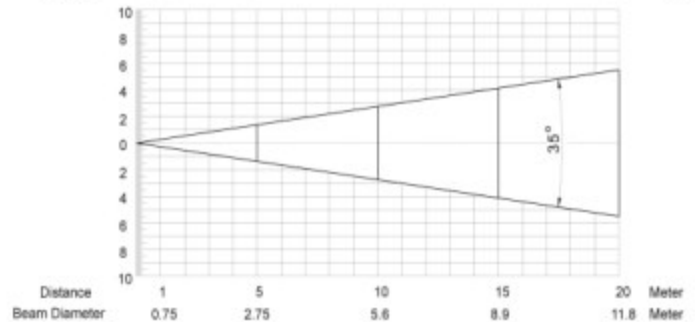
**LED Angle:** 35° ( ± 5° )

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

**Ballast:** Electronic

**Watts:** 6  
**Amps:** .11

R(30)	218	9	4	2	1	LUX
G(30)	635	25	10	5	2.3	LUX
B(30)	925	31	14	6	2.9	LUX
RGB(90)	1797	70	30	15	7.5	LUX



## Control & Programming

**Protocol:** DMX 512

**DMX Channels:** 4 Channels Dimmer, Red, Green and Blue

**Control options:** Auto Via dip switch. Audio-trigger

**Operating mode:** Master/Slave, Stand alone

## 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.

### AC 100-240V 50Hz-60Hz

This unit features an automatic switching power supply:

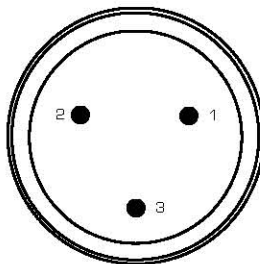
The occupation of the connection-cable is as follows:

Cable [USA]	Cable [EU]	Pin	110V	220V
Black	Brown	Live	L	L
White	Blue	Neutral	N	L
Yellow / Green	Yellow/Green	Pin		N

## DMX-512 Connection

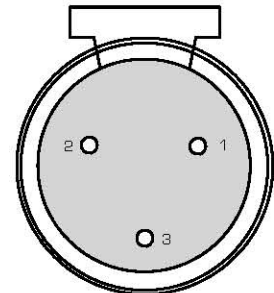
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

### DMX—input



### DMX—output

1. Shield
2. Signal (-)
3. Signal (+)



### Caution!

On 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 (HOS-DMXT).

## 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 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 secure with a secondary safety attachment. The installation location of the fixture needs 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 once a year by a skilled person.

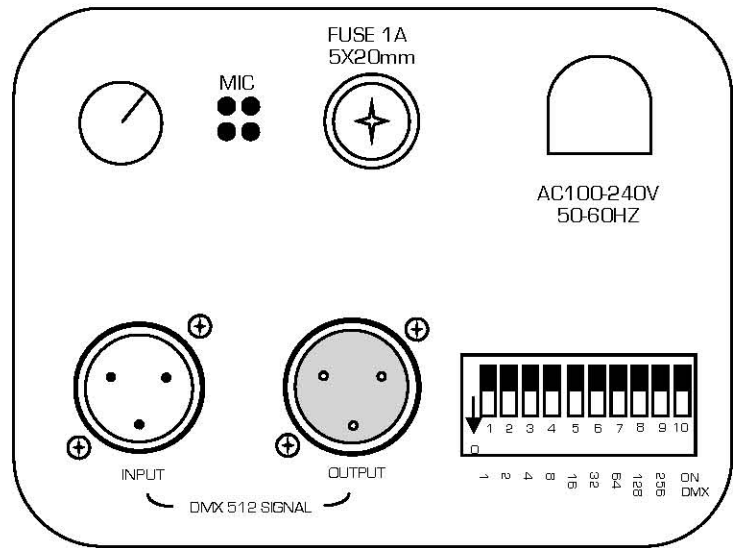
## DMX Profile

### NE Color Par 38 DMX profile

DMX Channel	Function	Description	Value
1	Dimmer	Dimmer(0-100%)	0-127
		Strobe Slow to Fast	128-251
		Dimmer On	252-255
2	LED Color	Red LED (0-100%)	0-255
3	LED Color	Green LED (0-100%)	0-255
4	LED Color	Blue LED (0-100%)	0-255

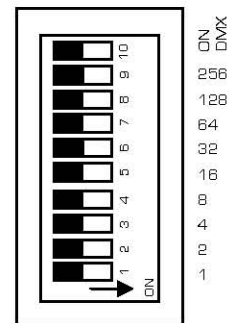
# Main Control Menu

The control board on the fixture is your interface to access and control all the functions on the unit. The following will explain each function and its options.



## Auto Settings

Turn dipswitch 10 to the off position. This function will turn on the auto function that will allow the unit run a preprogram function. You can also choose to use this unit as a master unit and have other units copy the same functions, by connecting the XLR cable from out to in on the next unit.

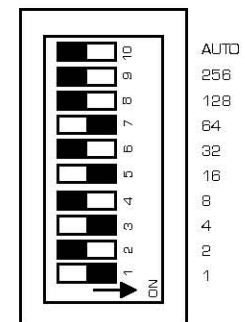


Function	1	2	3	4	5	6	7	8	9	10
RED	ON									
GREEN		ON								
BLUE			ON							
STROBE	SLOW	MED	FAST	FASTES	ON	CYAN	MAGENTA	YELLOW		
FADE IN/OUT	SLOW	MED	FAST	FASTES		ON				
COLOR FLASH	SLOW	MED	FAST	FASTES			ON			
SOUND ACTIVATED	RAINBOW							ON		
DMX	1	2	4	8	16	32	64	128	256	ON

## DMX Addressing

To address the unit each dipswitch from 1 to 9 hold a numerical value located on the right side. You will have to add the numerical value to give you the correct fixture start address. The user must assign a start address on the fixture that indicates the first channel reserved in the controller.

For example if you wish the first unit to start on address channel 85 you will need to turn on dip-switch 1,3,5 and 7(1+4+16+64= 85).



# 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) Mechanically moved parts like axles, eyes and other must not show any traces of wearing and must not rotate with unbalances.
- 4) 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.

**Disconnect from mains before starting maintenance operation!**



*Caution Danger to life!*

## Electrical

We recommend a frequent cleaning of the device. Please use a moist, lint free cloth. Never use alcohol or solvents!

- 1) Environment with foggers will require more periodic cleaning as fog fluid tends to build up residues, reducing the light output.
- 2) Avoid blowing compressed air into the unit, as this may damage parts.

**Note:** There is no serviceable parts inside . 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 only in order to avoid hazards.

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

## Parts List

P-4060MAINC	Main PCB Card
P-4060LEDMOD	LED Module
P-4060DC	Diffusion Cover
P-4000RLED10M	Red LED
P-4000GLED10M	Blue LED
P-4000BLED10M	Green LED



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