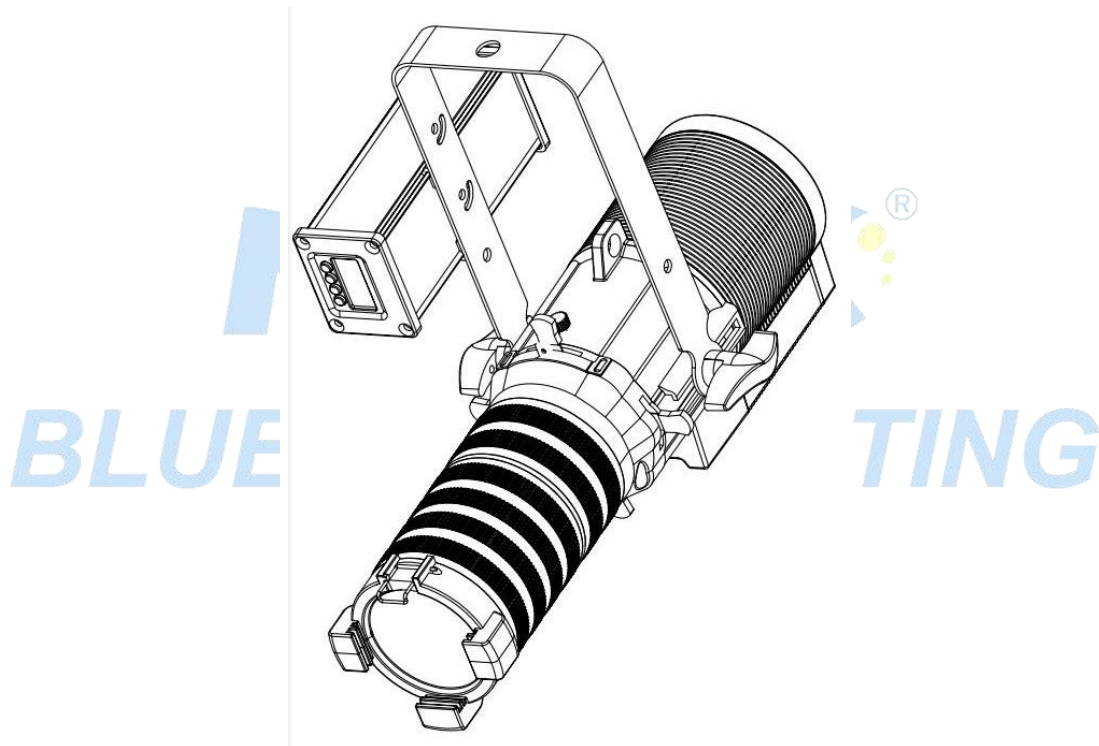


MINI PROFILE IP65 80W-RGBW



CE RoHS  IP65

User Manual

1 SAFETY INSTRUCTIONS



CAUTION

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



IMPORTANT

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device.

Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person. The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

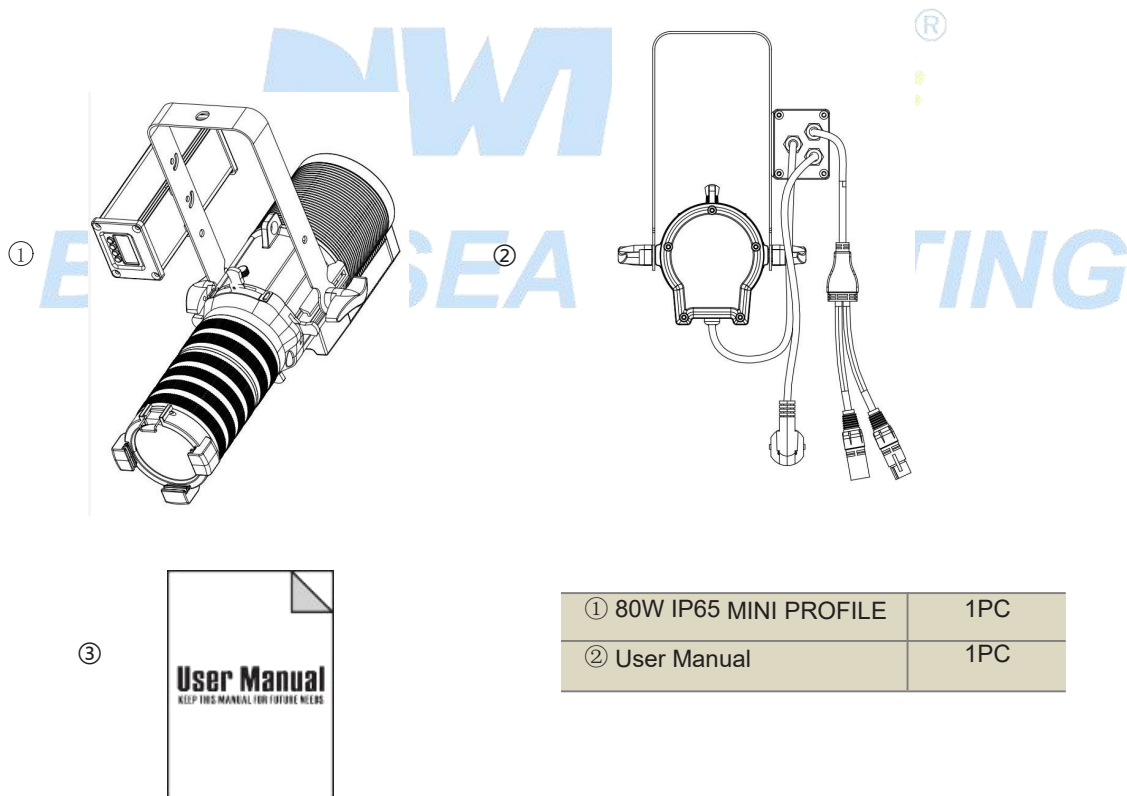
If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

2 Unpacking

Thank you for choosing our 80W IP65 MINI PROFILE. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

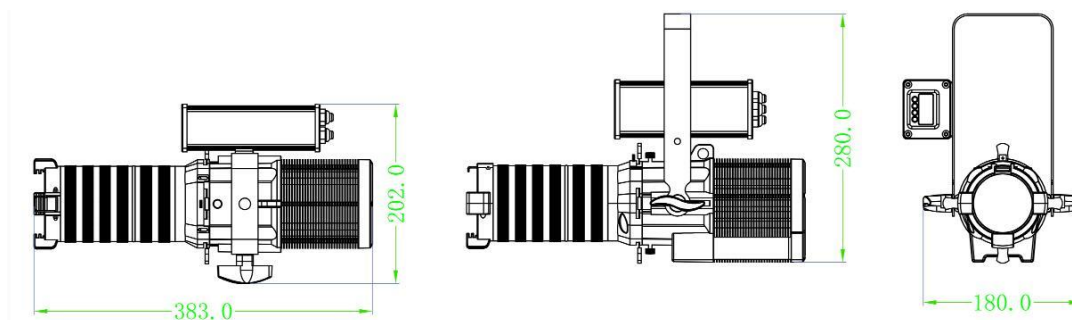
The 80W IP65 MINI PROFILE is made of a new type of high temperature strength of die-casting aluminum with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and link able with each other for operation. And it is applicable for Museum, Retail store, Restaurant, Children theater, Gallery.

The 80W IP65 MINI PROFILE adopts 1PCS 80W RGBW COB LED which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



3 FEATURES & SPECIFICATIONS

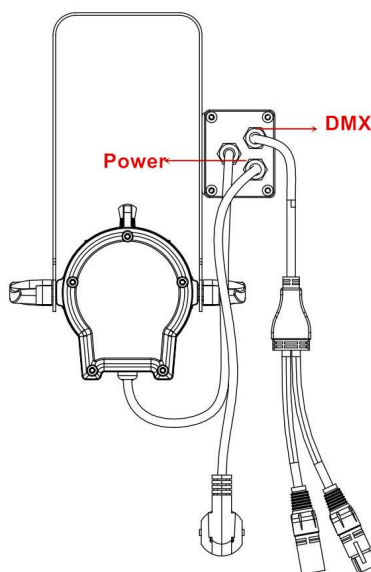
Feature:
* 1*80W COB LED (RGBW 4IN1)
*50,000 hours life span and low power consumption
*High quality optical system and field uniformity
*Manual zoom system from 15° -30°
*4 kinds of dimming curve
*Dimming Frequency: 500HZ - 25000HZ optional
*Die casting aluminum housing design
*Feature of housing: Small volume, lightweight
*4 Metal spot cutting slots
*0-100% Smooth linear dimmer
*4/8DMX channels
*RDM/DMX512, master-slave, or static mode, sound mode
*3-Pin XLR connectors IN/OUT
*Fan-less no noise cooling system
*Working Temperature: -10℃~40℃
*IP65 protection rating
Specifications:
*Input Voltage:AC100-240V 50/60Hz
*Max. Power: 80W
*Dimensions: 383*202*280mm
*Packing Size: 51*25.7*20cm(1pc/carton), 55*53*41cm(4pcs/carton)
*Net Weight: 4kgs
*Gross Weight: 5kgs

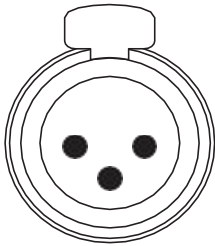


4 DMX-512 CONTROL CONNECTIONS

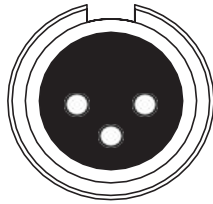
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

DMX-512 connection with DMX terminator



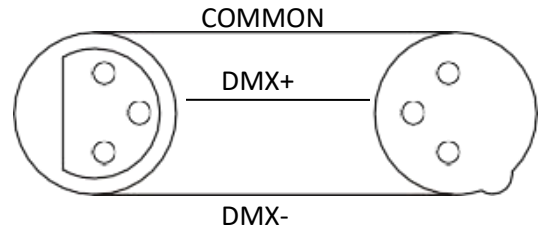


DMX Output
3-Pin XLR Socket



DMX Input
3-Pin XLR Socket

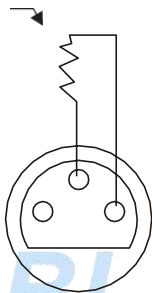
1:Ground
2:Data(-)
3:Data(+)



DMX 512 OUT
3-PIN XLR

DMX 512 IN
3-PIN XLR

120 Ω



Pin2
Pin3

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.

5 Product Features

- **2 kinds of running model**
 - External control mode (Slave model)
 - ◆ DMX 512 controller control(2 kinds channel modes)
 - ◆ Master/slave model control (auto match the signal from controller and the Master light, no need to set by menu)
 - static mode (Master model)
 - ◆ It can fix any color without the controller ,also work this color with strobe
- **Non-linear dimmer and linear dimmer**
 - The speed of dimmer can be set under the controller control
- **Screen Protect**
 - It will enter blank screen without any operate on the keyboard in 80 seconds . Press any keys then it can quit screen protection.
- **Temperature Protection**
 - It can be set to temperature protection mode
- **Speed of the Fan**
 - The fan will start to work when the working temperature reach 40 degree, and the speed will be changed according to the change of temperature.
- **Can be Reverse display**

Multi-light working in the same time

When using controller to control multi lights to work in strobe, the controller just send the channel data . The strobe effect will be depend on each light itself . And please take attention for the follow situation:

1. There will be many situations make the lights are not synchronization in the beginning. (For example: the different time of opening the light , or different time of them connect to the controller) .In this case, you can change value of the controller(for example push 20 to 0, and back to 20), then it can be synchronization.
2. Due to crystal frequency of different lights are not the same exactly, so it may not be synchronization after long time.
3. If need to keep synchronization for long time, there are two ways to do so:
 - A. Using the controller to edit program make the strobe, auto run effect,then they must be synchronization.
 - B. Using the Maser/Slave model

6 MENU OPERATIONS

A.O.O.1 (1~512)

d.O.O.1 (1~512)

A.E.O.1 (1~10)

→ **S.P.10** (1~20)

S.o.d.1 (1~2)

S.E.A.E → **r.255** (0~255)

.....
 → **S.E.00** (0~20)

F.r.E.9 → **1.10**

C.u.r.U → **S.E.A.n**

E.E.N.P → **0**

→ **E.O.80** (40~120)

U.E.O.1 (1~11)

→ **r.255** (0~255)

.....

d.15P

Menu rules:

The first column is the main menu (switch through the MENU key), the second column is the submenu (enter and switch through the ENTER key)

If the menu contains a decimal point, it means that there is a numerical value after the decimal point, and can be adjusted by the UP/DOWN key (the adjustment range is in parentheses)

Key operation:

MENU key (data will be saved after pressing this key)

If the current main menu, switch to the next main menu

If it is currently a submenu, return to the main menu

ENTER key (data will be saved after pressing this key)

If the current main menu and submenu, enter the submenu

If it is currently a submenu, switch to the next submenu

UP key/DOWN key

Has no effect if the current menu does not contain a decimal point

If the current menu contains a decimal point, the value after the decimal point can be adjusted. Note that after modifying the data, press the ENTER key to save

Key lock function

After power-on or screen saver, it will enter the key lock mode, and display four boxes "----", which means "please enter a 4-digit password". Note that only the input of "up" and "down" keys will be accepted at this time. .

Press the keys in the following order: up, down, up, down, "udud" will be displayed in turn, and then press the "OK" key to unlock.

If you accidentally press the wrong button, for example, press "Up" for the first two digits, "uu--" will be displayed. At this time, please continue to press the button to complete the 4-digit input, such as "uuuu", and then press the "OK" button. Since the password is incorrect, the system will clear the original input and display the four-bar "----" again. At this time, enter the correct password "udud", and then press the "OK" key.

Menu		State	Operation		Mark
Main menu	submenu				
A.001	No submenu	A: advance	UP/DOWN	Adjust ID address	disconnect the controller and connect the master light, then it will follow the master light. It will flicker if no signal.
		External control mode (standard channel model)	ENTER	Save ID address	
d.001	No submenu	d: dmx	UP/DOWN	Adjust ID address	
		External control mode (basic channel model)	ENTER	Save ID address	
At.01	One submenu	At: auto	UP/DOWN	Choose the program	
		Auto run model	ENTER	Enter submenu	
	SP.10	SP: speed	UP/DOWN	Adjust speed	
		Choose the speed of auto run	ENTER	Save data	
Sod.1	No menu	Sod: sound	UP/DOWN	Change to sound control model	
		Sound control model	ENTER	Save data	
StAt	Have menus	StAt: static	ENTER	Enter submenu	
		static model			
	r.255	r、G、b、W.....	UP/DOWN	Change the color data	
		Set color	ENTER	Save data and change to submenu	
	St.00	St: strobe	UP/DOWN	Change the strobe data	
		Strobe and its speed	ENTER	Save and change	
FrEq	One vice menu	FrEq:frequency	ENTER	enter vice menu	
		Frequency			
		Unit: KHz	UP/DOWN	Adjust frequency	
CurV	One vice menu	Range: 0.55~25.0	ENTER	Save data	
		CurV:curve	ENTER	Enter the vice menu	
	StAn	curve			
		StAn:Standard	UP/DOWN	Change curve	
	inCA		ENTER	Save data	
		inCA: Incandescent	UP/DOWN	Change curve	
	LinE		ENTER	Save data	
		LinE:Linear	UP/DOWN	Change curve	
tEMP	two vice menu		ENTER	Save data	
		quiC:Quick	UP/DOWN	Change curve	
			ENTER	Save data	
tEMP	two vice menu	tEMP: temperature	ENTER	enter the vice menu	
		temperature control			

		current temperature	ENTER	change to vice menu	
		t: top	UP/DOWN	change the data of temperature protect	
		tEMP: temperature	ENTER	enter the vice menu	
	multiple submenus	Wt: white	UP/DOWN		
		Color temperature setting	ENTER	enter submenu	
		r、G、b、W.....	UP/DOWN	change color value	
		Adjust the color temperature value	ENTER	save data Toggle Submenu	
	No vice menu	diSP: display	ENTER	reverse the display	
		set to show reverse display			
	No vice menu	rESt: reset	ENTER	enter the interface of key	the password is "UP DONW UP DOWN"
		return Initial State			

7 DMX CHANNELS

8CH Mode

channel	data	function	mark
1	0~255	dimmer	
2	0~255	color 1 (red)	
3	0~255	color 2 (green)	
4	0~255	color 3 (blue)	
5	0~255	color 4 (white)	
6	0~80	no effect	
	31~200	multi color change	
	201~205	color temperature 1	can be set in the menu of "WT.xx"
		color temperature 2~10(each 5 data is a color temperature level)	
	250~255	color temperature 11	
7	0~10	no strobe	this channel control the speed when running the build-in program
	11~255	speed of strobe (255 is the fastest)	
8	0~20	speed of dimmer 4 (the slowest and softest)	
	21~40	speed of dimmer 3	
	41~60	speed of dimmer 2	
	61~80	speed of dimmer 1	
	81~99	speed of dimmer off (fastest and no any delay)	
	100~109	inner program 1	
		each 10 data is a program	
	190~199	inner program 10	
	200~240	change color by sound control	
	241~255	strobe by sound control	

4CH Mode

channel	data	function
1	0~255	color 1 (red)
2	0~255	color 2 (green)
3	0~255	color 3 (blue)
4	0~255	color (white)

8 OPERATION INSTRUCTIONS

- The 80W IP65 MINI PROFILE is an LED profile light for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
- This light should be keep away from strong shaking during any transportation or movement.
- Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
- Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.
- Make sure the fixture is operated by qualified personnel who knows the fixture before using.
- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

9 INSTALLATIONS

For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas where the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.

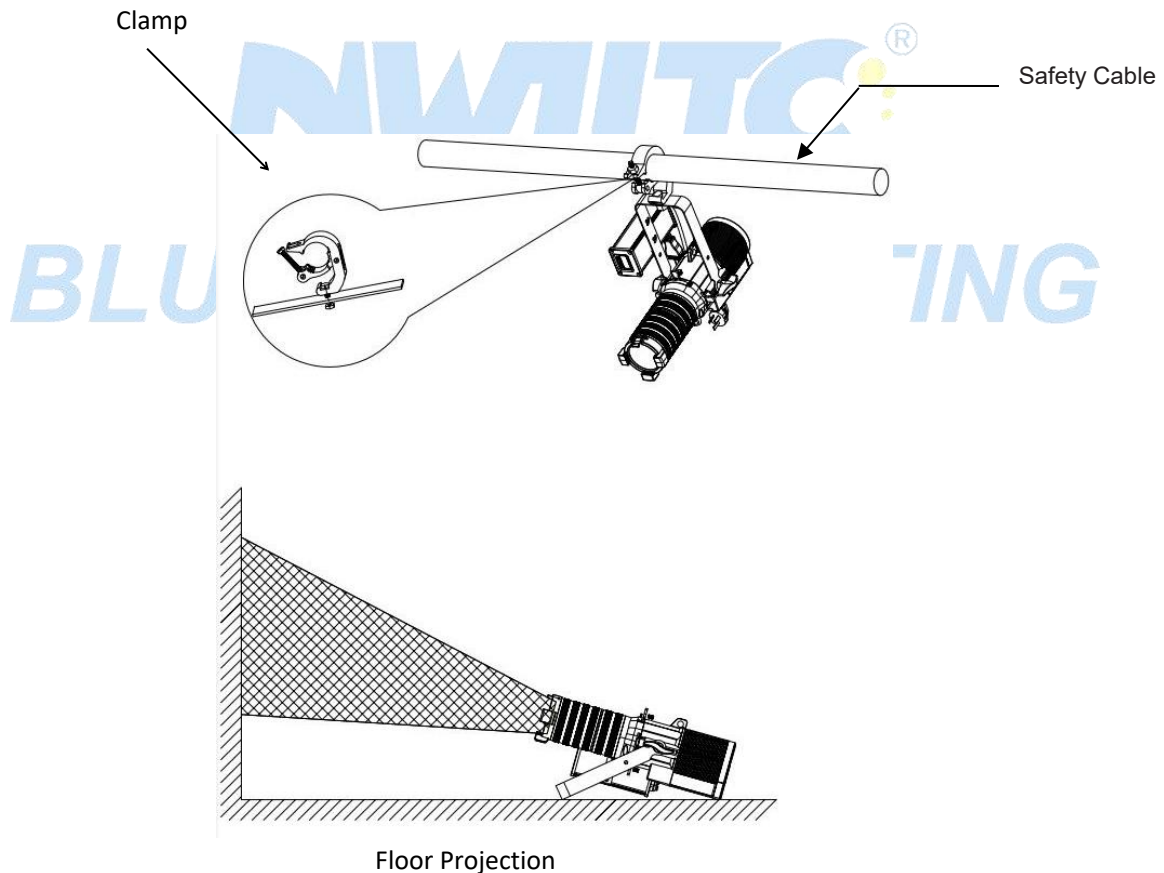
From a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.).

Please ensure that the led profile spotlight is hung using the appropriate "C" clamp or half cheeseboro. A safety chain or cable should also be used as a secondary point of holding the fixture in case the clamp comes loose. Never hang the fixture without a safety chain or cable. There is an eye-bolt on the back of the fixture to which the safety chain or cable can threaded through and then hung from the secondary point. Make sure the Gel frame (Gel holder) is clipped into position correctly and cannot come loose.

If you are not qualified or have any doubts about hanging the led profile spotlight then do NOT hang it.

Do not clamp the safety cable to the U bracket or clamp. That is not a secondary safety point. A secondary safety point is any point that will adequately hold the led profile spotlight if the "C" clamp or half cheeseboro fails.

Then the safety cable would be the backup and stop the fixture from falling to the ground. So do NOT fix the safety cable to the same place that the "C" clamp is attached



10 **Cleaning and maintenance**

Now ignoring maintenance and cleaning is very good way of creating problems "down the road" and many companies and installations do just that. However the net result is, no matter what the fixture, premature failure!

Changing the oil in a car, most people do on a regular basis.

So with the fixtures, regular maintenance it an excellent practice, if you want the fixtures to last.

So what is the maintenance for the fixture?

NWITC[®]
BLUE SEA LIGHTING