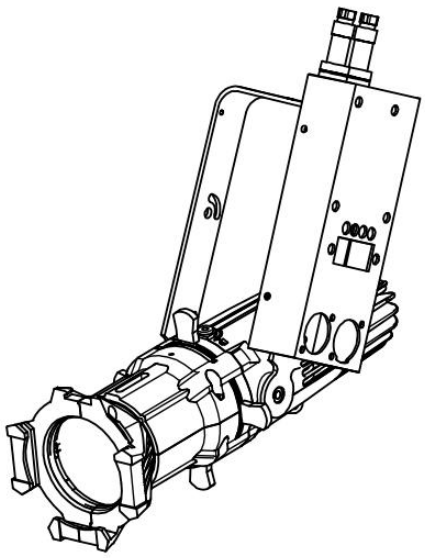
MINIP

MINI P 20W PROFILE



CE RoHS IP20

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.

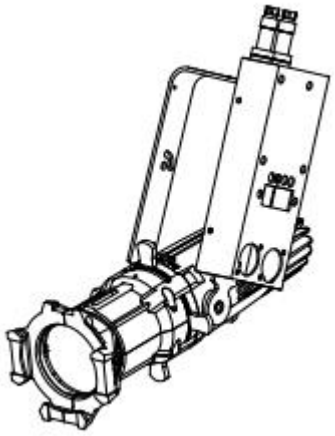
2 Unpacking

Thank you for choosing our MINI P 20W 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 MINI P 20W 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 MMINI P 20W Profile adopts 1PCS 20W COB LED (WW) 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:

①



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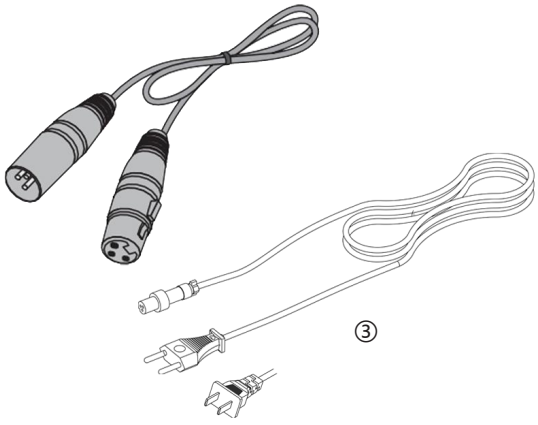

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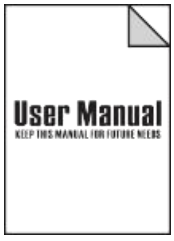


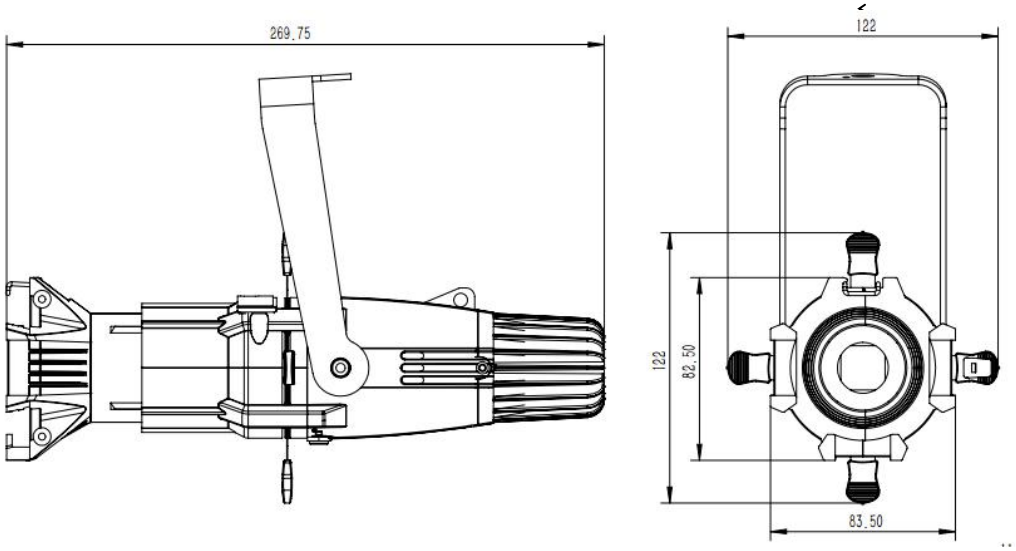
① MINI P 20W	1PC
② Signal Cable	1PC
③ Power Cable	1PC
④ User Manual	1PC

3 FEATURES & SPECIFICATIONS

• 1*20W COB LED (Warm white)
• 50,000 hours life span and low power consumption
• Color Rendering Index(CRI): Ra≥90
• Optimized high definition optical system for improved photometric performance and field uniformity
• Projector-quality, high reflector
• Glass reflector that removes greater than 90% infrared radiation (heat) and reflects greater than 95% of visible light
• Power Max: 20W
• Housing made by rugged, die-casting aluminum
• Flat and even spot image
• Ease of use, superior optics, crystal-clear image projection
• Beam edge continually adjustable hard-to-soft
• High-quality dimming, and even beam field
• High-strength single handle design
• Metal gobo slot as optional
• Color frame as optional
• 4 Metal spot cutting slots
• 0-100% Smooth and precise linear dimmer
• 25T/sec high speed shutter/strobe effect with variable speed
• 1/3 DMX channels USITT DMX-512
• DMX512, master-slave, and sound control or auto operation
• 4-Button digital display
• 3-Pin XLR connectors IN/OUT
• Fanless cooling system
• -10~40°C Max ambient temperature
• IP20 protection rating

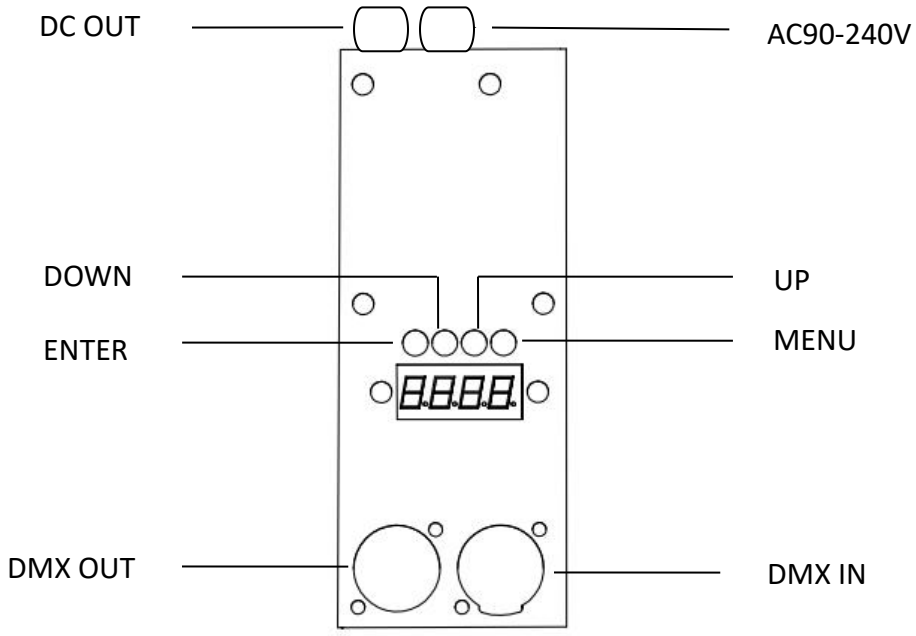
Specifications

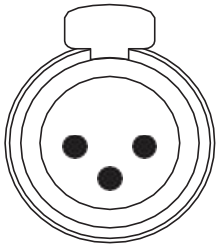
Input Voltage:AC100-240V 50/60Hz
Dimensions: 269.75*122*122mm
Packing size: 340*160*145mm (1pc/carton)
540*370*320mm (6pc/carton)
Net Weight: 2.0kg
Gross Weight: 2.5kg



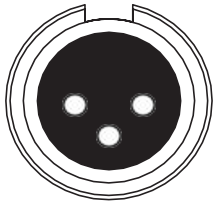
4 DMX-512 CONTROL CONNECTIONS

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



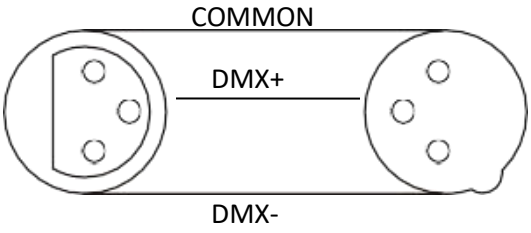


DMX Output
3-Pin XLR Socket



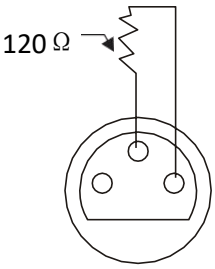
DMX Input
3-Pin XLR Socket

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



DMX 512 OUT
3-PIN XRL

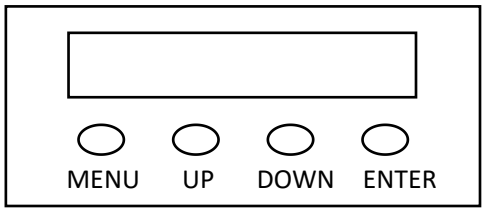
DMX 512 IN
3-PIN XRL



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 MENU OPERATIONS

5.1 Key operation



- Main key

【MENU】 Main menu or back the last menu
【UP】 Choosing data value
【DOWN】 Choosing data value
【ENTER】 Enter, choose the vice menu or end edit.

5.2. Menu description

5.2.1. Main menu

Press MENU key to change the menu

LED show	English word/function	key operation	description
	Advanced DMX Advance DMX controller state	UP/DOWN key to choose the address code (1~512) ENTER key to save	check "channel data"
	dMX normal DMX controller state		
	SLAve equal "d001"		
	Above is the slave mode, attention: **1、Make sure there is only a signal (controller or master light)** **2、The light will be turn off if the signal is cut down. (turn off the controller or master light)**		
	Cool white Change color	(0~255)ENTER to choose the led group UP/DOWN to choose the bright of the led group	
	Strobe Strobe	UP/DOWN key to choose the speed (1~50) ENTER to save.	
	Sound Sound model		
	Above is the master state, the light will send the data automatically. (the slave light should set "d001" or "SLAv")		

5.2.3. Set Menu

In the “Sound” menu, long press “ENTER” to set the menu.
Press MENU to change the menu option.

LED show	English Word/function	key operation	Description
	LED waiting **t**ime Screen protect time	UP/DOWN choose the waiting time	0 = no screen protect
	High **P**ower Power choose	UP/DOWN choose high power or not	On = 100% off = 33.3%
	dMX-controller **d**elay controller delay	UP/DOWN choose use the controller delay or not	
	Synchronization Multi-light synchronization	UP/DOWN choose usemulti-light synchronization or not	
	LoAd reset	Long press ENTER until it shows “LdEd”(loaded)	
	rEtur**n** Back to function menu	Press ENTER to save the data and back to main menu.	

6 DMX CHANNELS

Channel	Data	Function
1	0~255	Dimmer
2	0~5	No function
	6~255	Strobe: 6 is slowest, 255 is fastest
3	0~25	Turn on “delay by controller”
	26~200	Turn off “delay by controller”
	251~255	Sound mode: the changing of the light depends on the MIC of each light

Channel	Data	Function
1	0~255	Dimmer

7 OPERATION INSTRUCTIONS

• The MINI P 20W 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.

8 INSTALLATIONS

For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were 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.

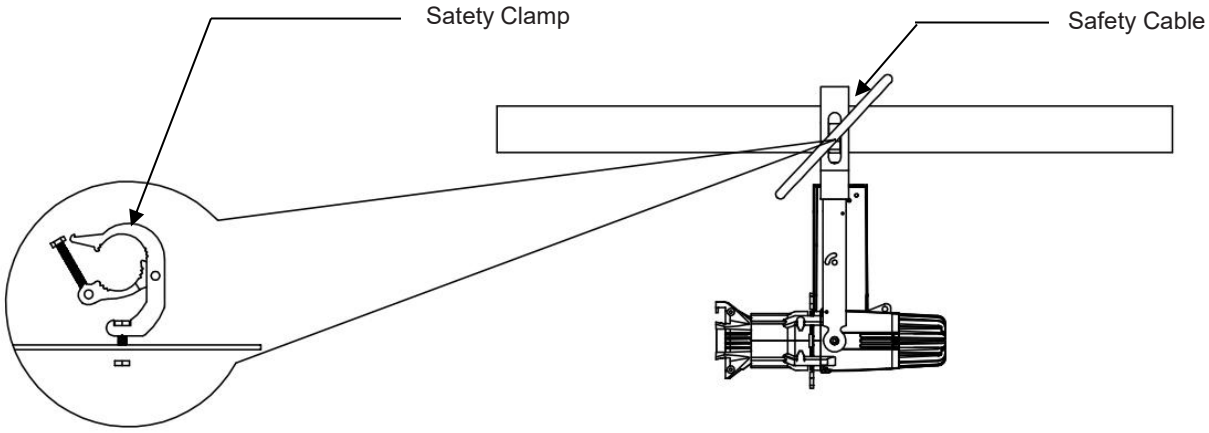
Never stand directly below the device when mounting, removing, or servicing the fixture.

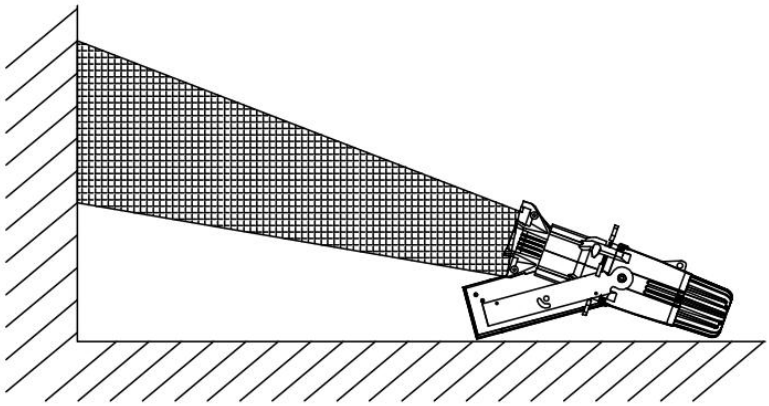
From a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.).

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 cheesboro 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

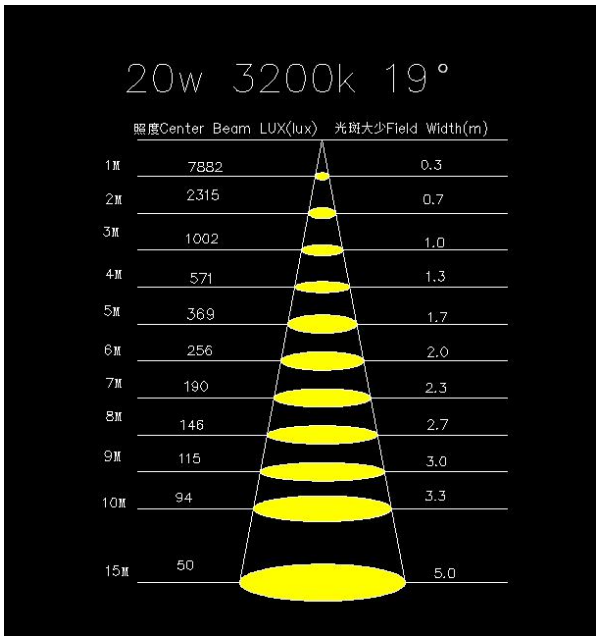




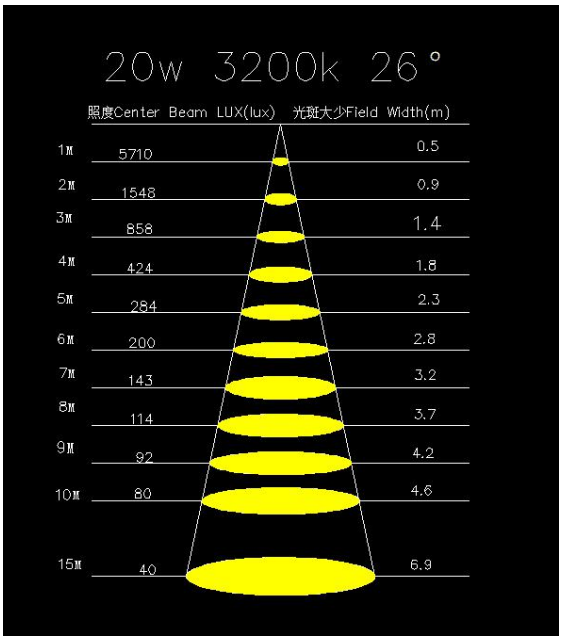
Floor Projection

9 Photographic Chart

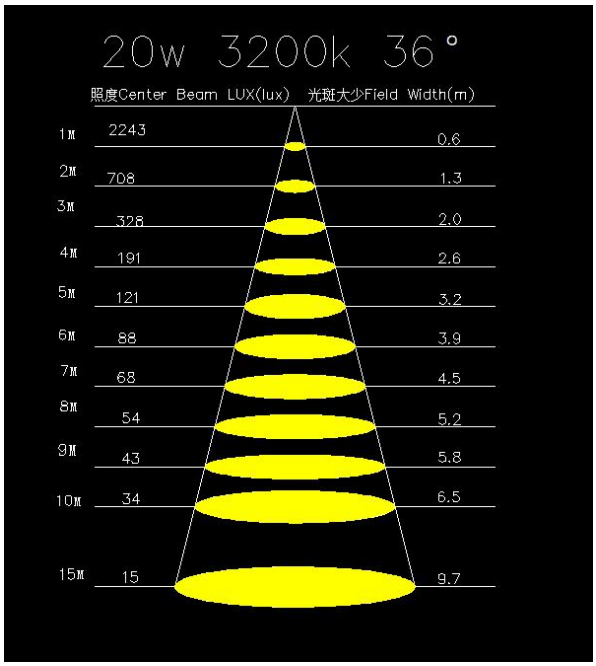
19 degree



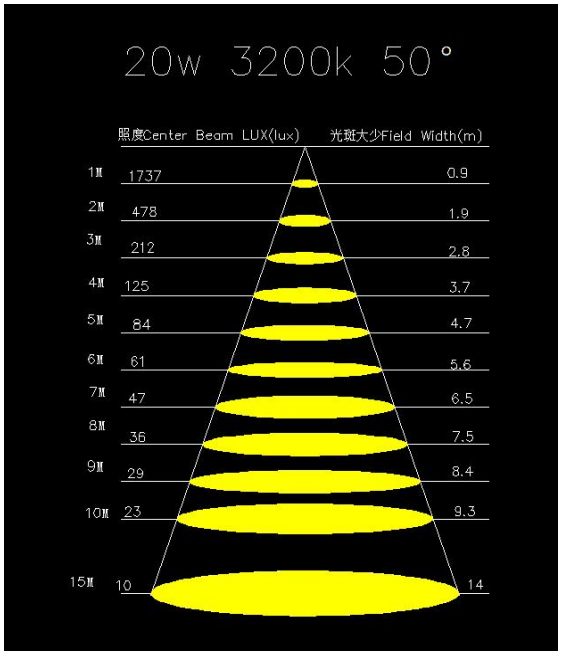
26 degree



36 degree



50 degree



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?

Model: MINIP

Voltage:	100V ~ 240V/50~60Hz
LEDs:	20W COB LED WW
IP Rating:	IP20
T.Color :	Warm White
Working Position:	Any safe working position
CRI:	>90
Housing:	Die casting aluminum housing design
Cooling System:	Low noise fan integrated, copper liquid cooling system
DMX Control:	DMX512, master-slave, or auto operation
DMX Channels	1/3DMX channels USITT DMX-512
Weight:	2.0Kgs
Dimension:	269,75(D)*122(W)*122(H)mm
Warranty:	2 Year

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

https://www.piu39av.com/pluslite-lighting/