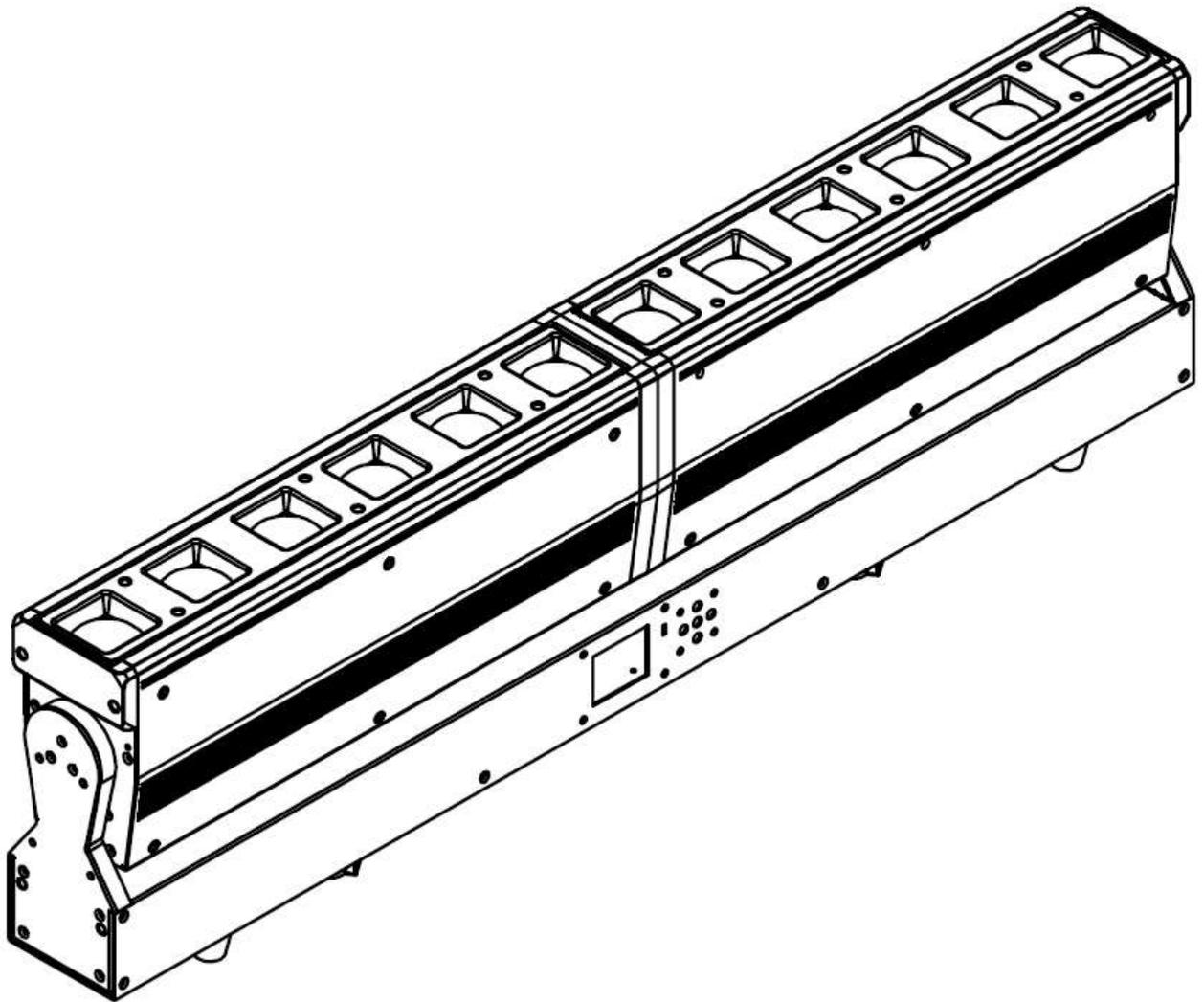
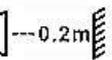


LED Pixel Zoom bar

12pcs 40W RGBW 4-in-1 LED



CE   IP20 LED  0.2m  $t_a 40^\circ\text{C}$ $t_c 150^\circ\text{C}$

User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

1. Unpacking

Thank you for choosing our product. 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.

This fixture is made of a new type of high temperature strength of engineering plastics and cast aluminum casing 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 linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

4-IN-1 LEDs(RGBW) 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:

LED Pixel Zoom bar----One

Power Cable----One

3-Pin Signal Cable----One

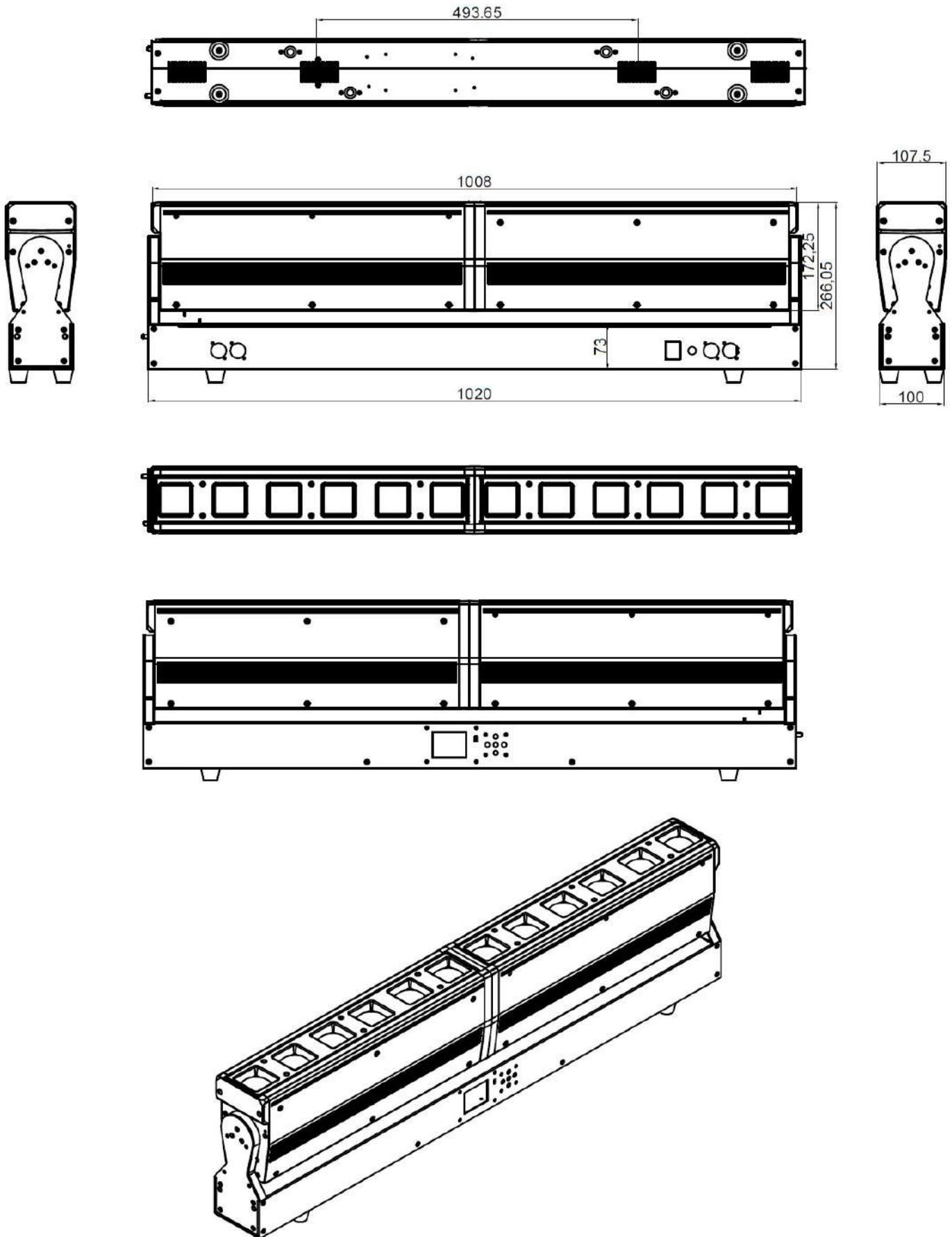
Safety Cable----one

Omega Bracket----Two

User Manual----One

2. Fixture size

Unit of length: mm



3. 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.

Don't use the fixture in RGBW full on for more than 10 minutes in case of high temperature damage the fixtures.

4. Operation Instructions

-The fixture is for beam effect 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.

5. Mounting and Installation

Cautions: 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.

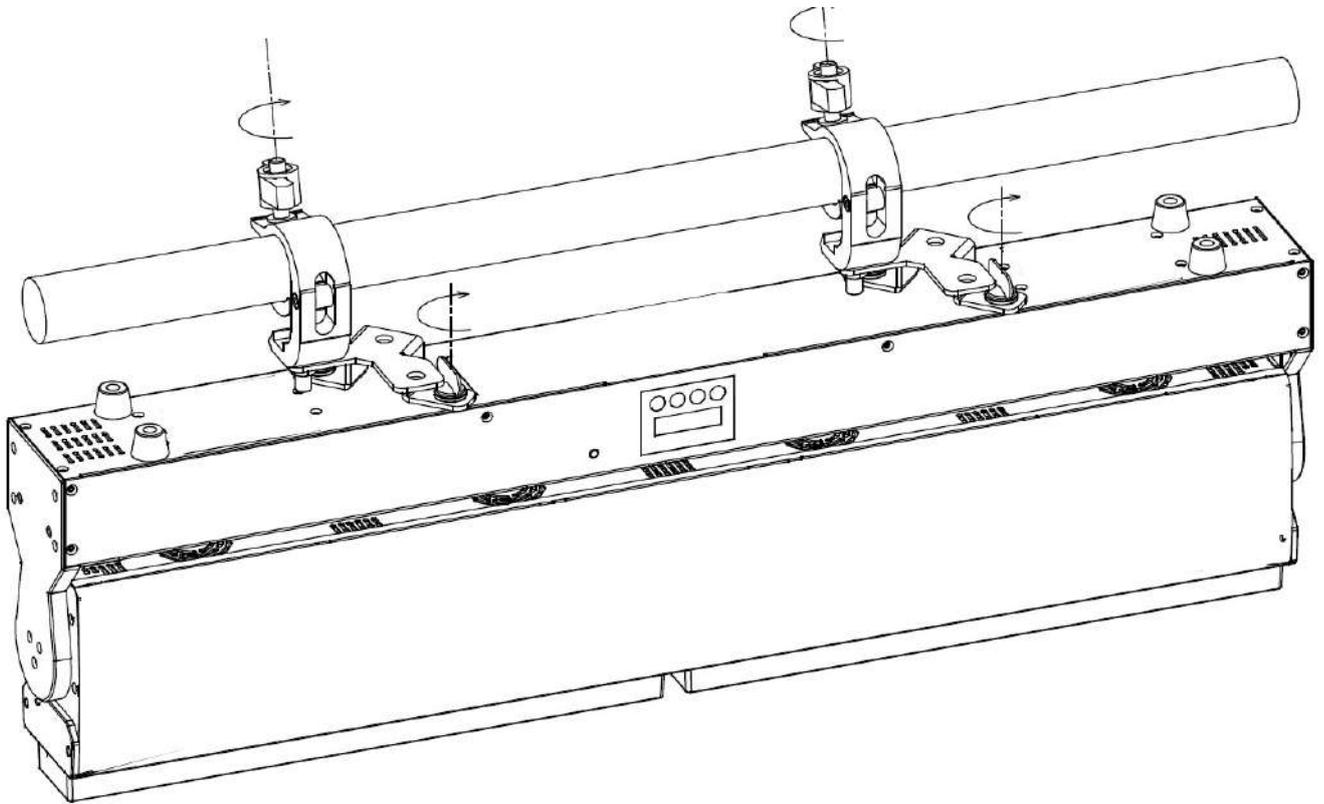
Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight.

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 periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp Mounting: The LED Pixel Zoom bar provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the “omega bracket”. As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in the base assembly



Regardless of the rigging option you choose for your LED pixel Zoom par, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable and never secure a safety cable to a carrying handle.

6. DMX-512 control connections

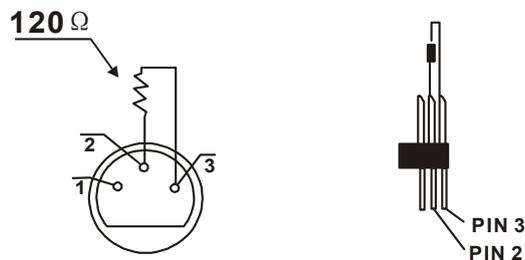
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. (5-pin connect way is similar)

You can chain multiple Moving heads be connected 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



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.



7. DMX Channel

1) 、 56 Channels:

Channel	Value	Function
1	0-255	Y Movement
2	0-255	Y movement fine
3	000-007	Y Speed Normal
	008-247	From slow to fast
	248-255	Normal
4	000-255	Zoom
5	0-255	Dimmer
6	0-255	Dimmer fine
7	000-031	Strobe
	032-063	Close
	064-095	Open
	096-127	From fast to slow
	128-159	Open
	160-191	Pulse: From fast to slow
	192-223	Open
	224-255	Random: From fast to slow Open
8	000-100	Function
	101-160	None
	161-255	Motor reset None
9	000-255	LED1R
10	000-255	LED1G
11	000-255	LED1B
12	000-255	LED1W
13	000-255	LED2R
14	000-255	LED2G
15	000-255	LED2B
16	000-255	LED2W
.	.	.
.	.	.
.	.	.
.	.	.
53	000-255	LED12R
54	000-255	LED12G
55	000-255	LED12B
56	000-255	LED12W

2) 、 40 Channels:

Channel	Value	Function
1	0-255	Y Movement
2	0-255	Y movement fine
3	0-255	Zoom
4	000-255	101-160 reset(hold 3 second)
5	0-255	LED 1 Dimmer
6		LED 1 Strobe
	0-9	Close
	10-130	Pulse from slow to fast
	131-255	Random from slow to fast
7	0-8	RGBW
	9-18	R
	19-28	G
	29-38	B
	39-48	RG
	49-58	RB
	59-68	GB
	69-78	RW
	79-88	RGB
	89-98	W
99-255	Color Auto	
8	0-255	LED2 Dimmer
9		LED 2 Strobe
	0-9	Close
	10-130	Pulse from slow to fast
	131-255	Random from slow to fast
10	0-8	RGBW
	9-18	R
	19-28	G
	29-38	B
	39-48	RG
	49-58	RB
	59-68	GB
	69-78	RW
	79-88	RGB
	89-98	W
99-255	Color Auto	
.	.	.
.	.	.
.	.	.
38	0-255	LED12 Dimmer
39		Strobe
	0-9	Close

	10-130	Pulse from slow to fast
	131-255	Random from slow to fast
40	0-8	RGBW
	9-18	R
	19-28	G
	29-38	B
	39-48	RG
	49-58	RB
	59-68	GB
	69-78	RW
	79-88	RGB
	89-98	W
	99-255	Color Auto

3) 、 16 Channels:

Channel	Value	Function
1	000-255	Y movement
2	000-255	Y movement fine
3	000-255	Zoom
4	000-255	Dimmer
5	000-255	Dimmer Fine
6	000-031	Strobe
	032-063	Close
	064-095	Open
	096-127	From fast to slow
	128-159	Open
	160-191	Pulse from fast to slow
	192-223	Open
	224-255	Random from fast to slow
7	000-008	Open
	009-038	None
	039-068	Effect 1
	069-098	Effect 2
	099-128	Effect 3
	129-158	Effect 4
	159-187	Effect 5
	188-255	Effect 6
8	000-255	Effect 7
8	000-255	Effect with front color
9	000-255	Effect with back color
10	000-255	Built-in program: 0-9 none, each 10 dmx value one effect
11	000-255	Built-in Speed
12	000-255	R
13	000-255	G

9. Key Features

Voltage: AC110-240V 50/60Hz

Max Power: 500 W

Source: 12pcs 40W RGBW 4in1 led

Beam degree: 1:7 zoom range from 5°-35

Tilt: 220 degree+ fine

LED Lifetime: Average 50,000 hours

Led: pixel control

Strobe: 20 times one second

Dimmer:0-100% linear dimmer

Channel: 20/57 two channel mode

Control mode: DMX-512,Auto-run, Sound activated

Cooling system: fan forced cooling system

Working environment: indoor

Net weight: 15 KG

Fixture size: 102*10.75*26.6 cm

Package size: 110*18*35.5cm

Gross weight: 17 KG

10. Maintenance and Cleaning

The following points have to be considered during the inspection:

1. All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
2. There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
3. Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
4. The electric power supply cables must not show any damage, material fatigue 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.



CAUTION!

Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents. There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions". Should you need any spare parts, please order genuine parts from your local dealer