

The Sky Rose Searchlight



User Manual

- *Please read this manual before using*

1、Brief introduction

The sky rose is one of great product in the outdoor lights area . It includes the high science & technology and arts & crafts and novelty characteristic. It is very easy to be installed and operated by the technician.

It is suitable for the park, big square, big building, any recreation ground etc.

2、Important safety operation

Please abide the user manual to use the sky rose.

Power supply:AC 220V 50Hz

Plug: 3-Pin plug with earth wire

Please confirm the sky rose connectAC 220V 50Hz power supply. The lamp power source plug should has the earth wire.

Please cut off the power supply immediately when the below situation happen. Then check up and repair it by the special technician.

- When cooling fan refuse working,
- power supply cable and other cable damaged.
- Lamp cannot turn on.
- There are abnormity phenomena during its working.
- Operate the light according to the manual, but the light still cannot work normally.

Notice: During the machine start work, as for the cooling system start working, there will be some noise; and when the lamp start, also will be some noise (In general, this will be a short time)

3、Spare Parts Description

*Aluminum body: Use aluminum alloy material, waterproof, rust, heat dissipation quickly.

*Reflective bowl: it used the high-grade shock resistance materials, can make the highest lamps brightness output.

NOTICE : reflective bowl can't touch and lens must be kept clean.

*The light cone stents: It is support light cone and connection chassis .

*Knob: It can adjust the angle of the body.

*Signal cable: passes and send signal

*Bottom: stand the body and inside function.

*Waterproof fan case: protect the fan from water.

*Wheels: move the equipment easier.

*Waterproof power plug: red cable connects “Live Wire”. “yellow & green” cable connects “earth wire” .

4、Lamp Installation Instruction

Specify Xenon Lamp called Xenon short Arc lamp High pressure. In the lamp has the high-pressured Xenon . In the high frequency pressure arouse formed under the arc discharge. It is the small light point source, shaft injection from uv to near infrared, strongly continuous spectrum, visible area very similar to separation of sunlight, high frequency shine, color temperature 6500 K, show color of the high Ra = 94. Is television and film lighting, the color films, stage lighting, photographic system board, projection amplification meter, infrared ray of light and simulation technology ideal light source.

5、Operation and Notice

When fetch the lamp ,do not touch the lamp glass envelope , before use please clean the lamp by alcohol to avoid influence the light and lifetime of the lamp.

Please turn on the red switch when you start to use it, each switch control an electric rectifier. The black switch is control the lamps body spin.

1) Install Xenon lamp. Install the cathode “—” on the lamp chimney following lamp stand steady and fastness . Install the anode “+” on the front which is the light emit, can follow Xenon flash lamp axis stretching . Please remember :Avoid fixed only one end and the other end is suspended(low wattage lamps may allow fixed one end). Fastening on both sides must allow free extension

Xenon lamp cannot have any pressure or collision under any condition (installation /adjust / clean or so on)

2) Xenon lamp light positions both vertically and horizontally, perpendicular to the vertical light should be. Tilt is not more than $\pm 5^{\circ}$, and the anode "+" at the top is connected positive electricity. Level when lit, must increase the magnetic field, magnetic field transverse magnetic field, dimensionally stable arc vacuum arc can be taken both magnetic fields are used in conjunction arc stability of magnetic field polarity must be correct, magnetic field strength must be moderate, the show is under constant observation, finds the problem timely adjustment. Use after a certain time, lights should be turned a certain angle to increase lamp life.

3) Xenon lamp must be current ripple (pulsating) coefficient greater than 3.5% under the DC power supply is lit, otherwise it will affect lamp life seriously .

4) Xenon lamp and conductor contact surface should smooth, good contact to prevent contact resistance, in order to ensure a good contact, you must check the contacts on a regular basis.

5) Xenon lamp life has close relations with switching frequency, switching less, life expectancy increases, in turn, accelerated bulb blackening, shorten life expectancy.

6) Xenon lamp to maintain good ventilation, to power large (more than 1500W) of lights to be carried out with sufficient air flow forced air cooling, General Yin extreme wind, horizontal light Xenon lamp reflector middle hole air valid and reasonable.

7) Above 2000w lamp should uses the dismountable electricity wiring . When installs it two spanners should be used, one support on both sides the hat gap, another tighten the hexagonal nut. When the assembling and dismantling does not allow to have the stress or barbaric action.

8) Xenon lamp belongs to the high-pressured electric discharge electric lamp. Please make sure the barometric pressure is in the high pressure before it work and work time. And must avoid the shock. When installing and uses, the worker must wear the protecting mask and glove. The lamp should be put in the radiation good heat dissipation to avoid soaks the shell breakage and the strong luminous intensity ultraviolet ray burns the skin and eye.

NOTICE

- 1、 Before work, please check whether the lamp logo match to the actual.
- 2、 In the installation process please cut off the power source first, not installed the good lamps can not be link to electrify.
- 3、 Please check whether installation well, and the power is in accordance with the requirements, the input voltage of AC 220V 50Hz high or low voltage will affect controller or can't work normally.
- 4、 Do not use gasoline or other chemicals to wipe lamps.
- 5、 Do not replace any parts without authorization.
- 6、 Do not cover the light during it working.
- 7、 Needs to repair or when the replacement components must the dump, waiting for lamps cool

completely, only then can carries on.

8、Has any question or the technical question about the lamps, please look for the specialists or the supplier.

9、For your long time use , PLS keep the performance time less than 4 hours

6、Start The Lamps

Wired up the power, turn on the red switch ,one red switch control 1000w. Black switch control lights horizontal scan.

7、Skill Specification

specification parameter	2KW	3KW	4KW	5KW
Power supply	220V	220V	220V	220V
Net Weight	48kg	50kg	53.5kg	57kg
Lamp	Herical Xenon Lamp(2-5kw)			
Light beam angle	5-30° manual adjust			
Rotation angle	Horizontal 110° Vertical45° manual adjust			

Other parameter

Light life : 800Hours

IP rate: IP44 outdoor use

Color : White, Yellow, Blue, Green,Red

Color Temperature: 6500 K

Color rendering index: Ra>94

Dimensions :69x58x101cm

NOTICE:

Xenon lamp's characteristic and application method: The xenon lamp is electric discharge and stimulate bubble lamps.

The light effect is 30~40 lm per watt

The tube luminophor is small, is the point source, is advantageous in the optical system design

- The contact conductor should contact good, the electrode do not connected reverse.
- The light bulb installment should not receive external forces ,torsion force, pulling force, in order to avoid tube break.
- The tube actual use power do not surpass the rated power, simultaneously should have the suitable heat radiating, in order to avoid the lamp damaged.
- The light bulb spheroid must maintain clean, refuses to touch barehanded. in order to avoid greasy dirt dust contamination. If with dirt ,please clean it by cleaning ethyl alcohol lint ball, in order to avoid lamp burning, the spheroid shell lose permeability, even explode

8. The Maintenance And Cleaning

Equipment fouling phenomenon usually appears in different levels after a period of time, normal operation of the lamp being dirt will not conducive to the future. So we strongly recommend you to regular maintenance and cleaning products, regular time to use the environment and the operating frequency and decide, usually within a month at least clean again.

In the lamp before cleaning, please disconnect the lamp power.

In the lamp firmly fixed, steady state for maintenance and cleaning.

Open the lamp cover, the lamp, reflector, glass and other glass products cleaning. And then do the cleaning work on the circuit board, fan, power supply and other electronic components. Please note: electronic components can not be cleaned with cleaning fluid or liquid materials with water cleaning tool.

Recommend the use of soft cloth or a professional cleaner to clean, under any circumstances, can not use alcohol or solvent.

When cleaning, please be gentle force, in order to avoid damage to parts, especially glass and circuit board.