

LIGHT SKY[®]

USER MANUAL

FOLLOW SPOT

330W **450W** **470W**



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FLY DRAGON LIGHTING EQUIPMENT CO., LTD

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Note: As the company pursues a policy to improve its products all the time, the data contains in this manual are subject to change without notice. The Our Company reserves the right to change the relevant specifications in product improvement. The publisher of this manual shall not be responsible for the accuracy of the information herein contained or the consequence resulting from such information.

1.Safety information

■Notice



To guarantee proper and consistent operation, it is important to follow the guidelines in this manual. Our company will not accept responsibility for damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual.

■Mounting surfaces



It is permissible to mount the fitting on normally flammable surfaces.



Please do not install the fixture onto combustible surface. Ensure a minimum clearance of 0.2m around the cooling fans and ventilation.

■Maximum ambient temperature

t_a 38°C



The fixture is intended for indoor application. Do not operate the fixture if the ambient temperature (T_a) exceeds 38°C.

■Temperature of the external surface

The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 60°C.

■ Protection against electrical shock



Connection must be made to a power supply system fitted with efficient earthing (Class I appliance according to standard EN60598-1).



It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

■ Connection to mains supply

The double insulation between the LV power supply and the control conductor on the fixture.

Connection to the electricity mains must be carried out by a qualified electrical installer.

Check that the mains frequency and voltage correspond to those for which the projector is designed as given on the electrical data label.

This label also gives the input power to which you need to refer to evaluate the maximum number of fittings to connect

to the electricity line, in order to avoid overloading.

Don't use the power cable when the insulation is damaged.

It must be the manufacturer or distributor or the professional person to change the damaged power cable in order to avoid any dangerous.



■ Protection against explosion

The protection screen, lens or ultraviolet screen on the lamp can be damaged to the degree of failure if visible damage, such as a crack or deep mark, should be replaced.



■ Protection optical radiation

Never look directly into the light source. You risk injury to your retina, which may induce blindness.

■ Maintenance

Never open this fixture while in use.



Please disconnect the power supply when begin to maintenance take down the light.

Please disconnect the power supply when begin to maintenance take down the light. Please let the parts cool down 10 minute at least then begin to install.

The light source in this fixture shall be replaced by the manufacturer or its service agent or similar qualification..

Do not revise the fixture or install any parts not from our company. Please be aware that damages caused by modifications to the device are not subject to warranty.

■ The products referred to in this manual conform to the European



Community Directives to which they are subject::

Low Voltage 2014/35/EU

Electromagnetic Compatibility 2014/30/EU

2. Technical information

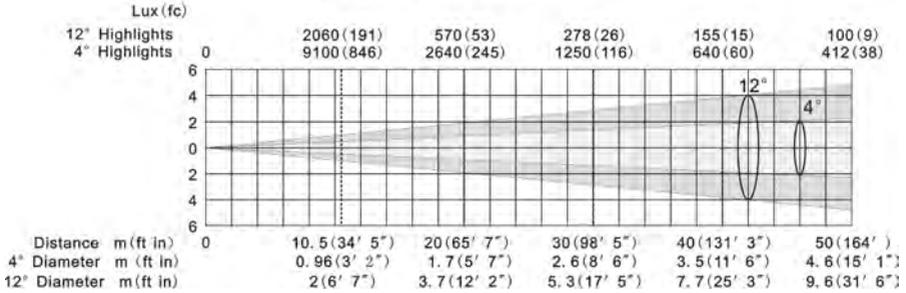
Power supplies available	AC100V~240V 50/60Hz
Rated consumption	<input type="checkbox"/> 400W, PF0.987; <input type="checkbox"/> 485W, PF0.988 <input type="checkbox"/> 521W, PF0.989
Lamp	<input type="checkbox"/> 330W, <input type="checkbox"/> 450W, <input type="checkbox"/> 470W
Average life	1500H(330W,450W); 1200H(470W)
Current	6A
Fixture dimension	866×400×404MM
N.W.	22.5KG
Carton size	978×512×475MM
G.W.	26KG
Fly case size (single)	1225×625×545MM
G.W.	73KG
Tripod weight	9.18KG
Travel	Pan:360° ,Tilt:90°
Color temperature	440W (2500K、3200K、8000K) , 330W (7500K)
Beam angle	4°-12°(330W、440W); 5°-10°(470W)

330W

Distance, spot diameter and illumination diagram

With zoom (4° -12°)

Lamp Total Output: 12000 lumens

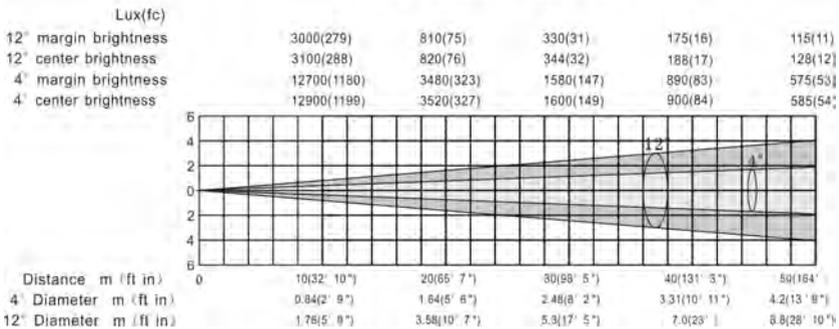


450W

Distance, spot diameter and illumination diagram

with zoom (4° -12°)

Lamp Total Output: 24000 lumens

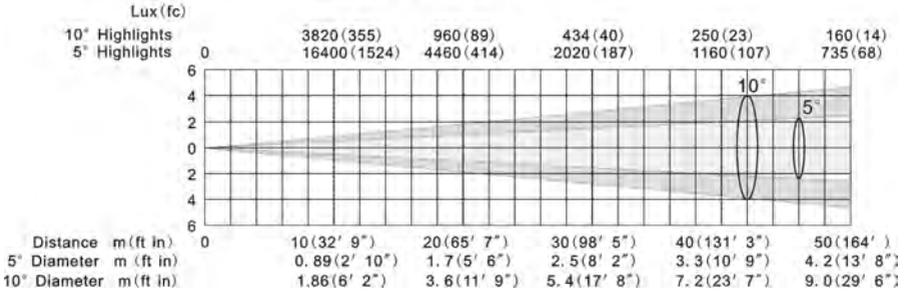


470W

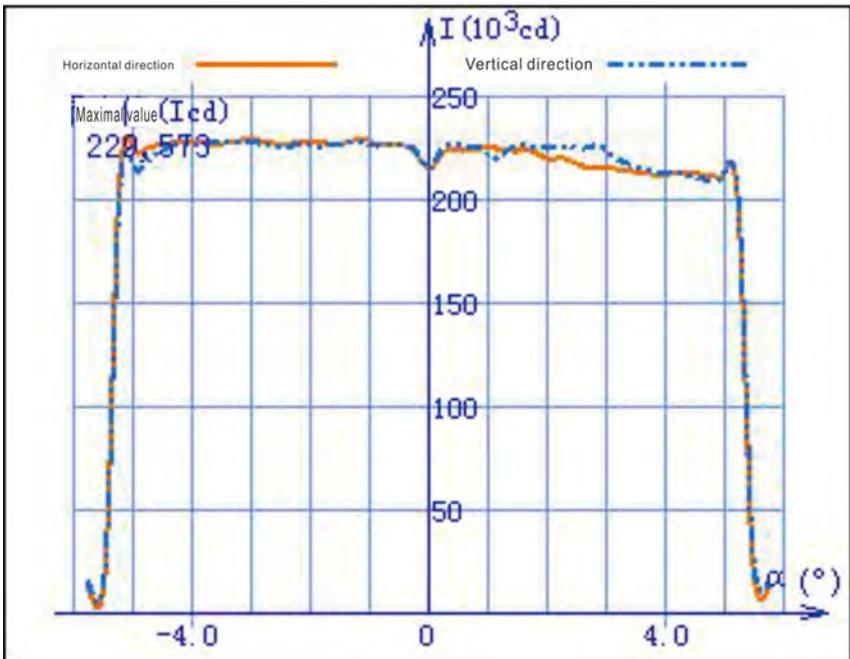
Distance, spot diameter and illumination diagram

With zoom (5° - 10°)

Lamp Total Output: 23000 lumens



Illumination and intensity distribution curve comparison chart



3.Functional introduction

1. Dimmer

Manually linear dimmer, smooth and even dimming through the whole dimming range 0-100%

2.Frost

Frost filter, impart frosted effect to light beam.

3.Iris

Manually mechanical iris, used to regulate spot diameter.

4.Beam shaper

Beam shaper system, cut light beam vertically on both sides.

5.Focus

Focusing optics can be used to sharpen the casting beam.

6.Zoom

Zooming range:4° to 12° (330W、450W); 5° to 10° (470W)

7.Gobo

Manually replace gobos.

8. Color temperature

Standard Color temperature 3200K, manually adjustment.

9.Color changer

Color changer, designated with 5 color paper clips which are intended for changing colors of the casting beam by interchanging preset color papers.

4.Physical modules

1.Main body



2.Tripod



5.Assembling

1. Tripod assembling

1.1.Take out the Stand from packing carton and put it away (as picture 1), unscrew the sliders (number 1,number 2).

1.2. Outward pull the stand feet or downward press the slider (as picture 2)

1.3.Twist the screw(number 5), then adjust the lifting handle to the suitable height and tighten the screw (number 5).



Fig.1



Fig.2

2.Light assembling

2.1. Take out the Backing plate and Slider(as picture 3), then assemble and fix the U-type stand plate (as picture 4).

2.2.Take out the light from packing carton, to aim and install the assembling site of the light to the mounting holes (number 3, number 4) of U-type stand plate and fix the screws(as picture 5).

After assembling as picture 6, to adjust the lifting handle to the suitable height.



Fig.3



Fig.4



Fig.5



Fig.6

6.Lamp-on operation

1.1.Fist connect the follow spot to the mains via power cable①,turn on power switch②, push down lamp switch key ③ to ignite the lamp.

1.2.Turn on levers ④⑤⑥⑦⑧⑨subsequently, and a casting beam comes out of the fixture.

①Power

②Power switch

③Lamp switch (please re-turn on the lamp at least 2 minutes later after the lamp turns off .)

④Dimmer

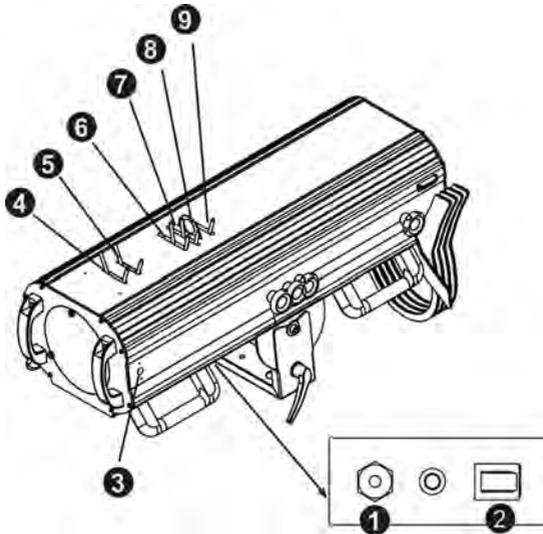
⑤Color temperature

⑥Beam shaper

⑦Iris

⑧Gobo

⑨Frost

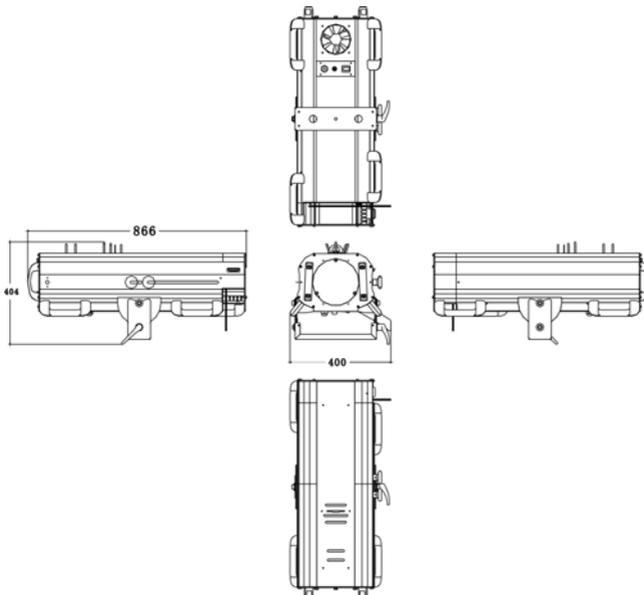


7.Tripod packing



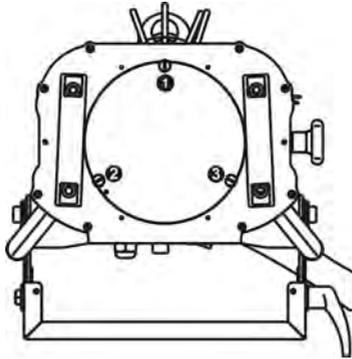
Keep the handle down when put the Stand into the fly case as the above picture.

8.Fixture dimension



9.Lamp replacement

1. When the lamp totally cooling down , loose the crew ①②③,open the rear cover.
2. Pull out the lamp cable.
3. Press the lamp softly ,lamp can be got out.
4. Install the lamp and connect the cable.
5. Close and lock the rear cover.
6. The replacement is complete.



Before operation, read the manufacturer avoid to the contretemps. Otherwise, the manufacturer have not any respond if installation don't following the above-mention lead to the projector fall and bring into the result.

CAUTION: 1、 Only install the lamp with the device switched off!

2、 Unplug from mains before!

3、 The lamp has to be replaced when it is damaged or deformed due to the heat.

10. Colored paper installation

1. Undo the 3 screws on the colored paper fixed plate as picture 1.



Picture 1

2. Neatly put the colored paper into the middle of the fixed plate as picture 2, then pull up the colored paper as the direction of arrow as picture 3.



Picture 2



Picture 3

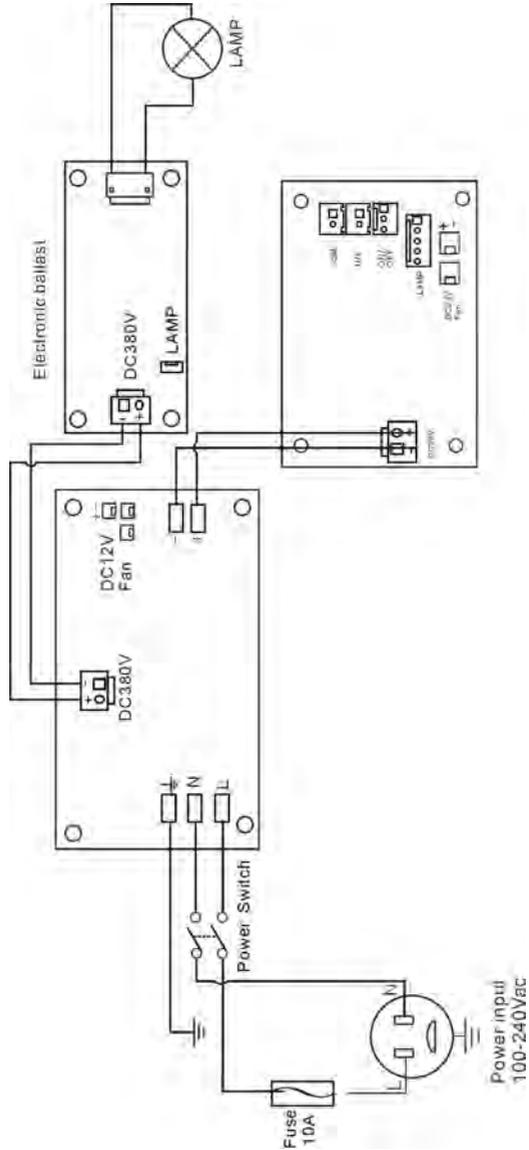
3. Tighten the 3 screws, and use the scissors to trim the colored paper as picture 4.



Picture 4

Remark: the size of colored paper is 215X215mm

11.Circuit connecting diagram



12.Cleaning and serving

To ensure reliable operation, the projector shall be kept clean. It is recommended that the machine and the fan be clean every 15 days. The lens and the color separation filter shall be cleaned regularly to ensure optimal lighting effect. Note, no soluble detergent shall be used on the color separation filter

13.Troubleshooting

It is recommended some solution for some normal trouble shooting. any unsolved problems should always be handle by the professional person. Disconnect the power supply before maintenance the light

◎Lamp off

- 1.Please check if install the suitable lamp
2. Please check the connection of the power supply or switch is ok
3. The lamp is in over heat protection status due to high interior temperature.
check whether the fan and the air duct are blocked
4. Ballast damaged

◎The light works intermission

1. Please check if the fan works normally or mote clogging
2. Please check if the lamp is to the usage life.

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