
Surgical lamp

Model D360A



User Manual

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【Notes, warnings and explanatory notes】

1. Please read the instructions carefully before using this product.
2. The installation and debugging shall be carried out strictly in accordance with the steps described in the installation instruction.
3. Please check the fastener of the surgical lamp regularly to prevent accidents.
4. Please do not disassemble the product and control circuit without the approval of our factory.
5. The safe use period of this product is 10 years, and the free warranty period is one year (except for fragile light bulbs and adjusting switches), this product provides life-long maintenance services. Forbid the user to repair privately, otherwise the manufacturer does not grant free warranty. Please use the accessories and components provided by the manufacturer, otherwise it will reduce the minimum safety of surgical lighting.
6. When cleaning operation lamp, please use soft cloth or sponge, wet cloth or detergent, don't use hard bristle brush, steel wire brush, don't use decontamination powder, paint, banana water, acid on any surface.
7. After using the detergent, please wipe the shadowless lamp again with a damp cloth, and then wipe it dry with a dry cloth.
8. Medical gauze is often used to remove dust from the glass surface of the front hood in order to increase the illumination. Can use water, prohibit the use of alcohol and other organic solvents for cleaning.
9. The surface of lamp shell and adjusting switch were disinfected with 75% alcohol for 3 minutes or 0.1% bromogeramine for 30 minutes.
10. It is strictly forbidden to suspend any other articles besides this equipment.
11. In order to ensure the normal use of this product, non-professionals are prohibited to open the lamp shell.

1 Product name

【Product name】 Surgical lamp model D360A

【Specifications and models】 D360A

2 Scope of application, contraindications

Scope of application: for Operation Auxiliary Lighting.

CONTRAINDICATION: None.

3 Product Structure Composition

The operation lighting consists of base, lift and lamp cap.

4 Technical parameters

Service Environment

a) Ambient temperature range: 5°C ~ 40°C;

b) Range of relative humidity: ≤80%;

c) Atmospheric pressure range: 700hPa ~ 1060hPa;







d) Power supply: AC100-240V, 50/60Hz;

★ The place of operation lighting should be free from harmful gas, chemical deposit and other inflammable, explosive, corrosive medium or near heat source, and should be well ventilated and dry in the cabinet.

★ Surgical lights should not be used with high-frequency surgical equipment. The use of this equipment near shortwave and microwave therapy equipment may cause the output of this equipment to be unstable

5 Label and package identification drawing

The packaging and labelling are explained below:

Symbols	Implications	Symbols	Implications
	Alternating current		Protective grounding
	Afraid of the rain		Watch out for burns
	Breakable articles		Up



Note: Please check the random files before using and avoid looking directly at the light source for a long time

6 Use methods

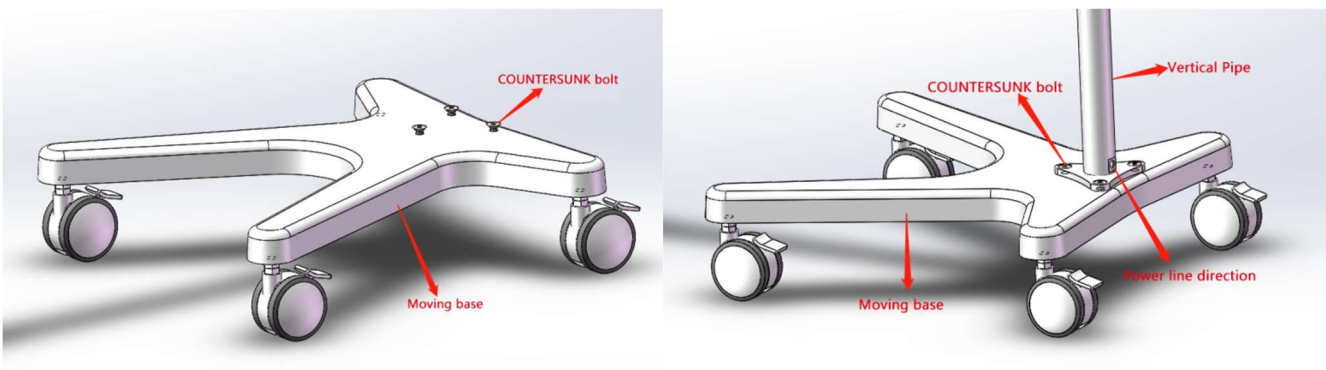
6.1 Installation method

Installation tools: Phillips screwdriver and hex wrench (included with the product).



Step 1: Assemble the pole and base

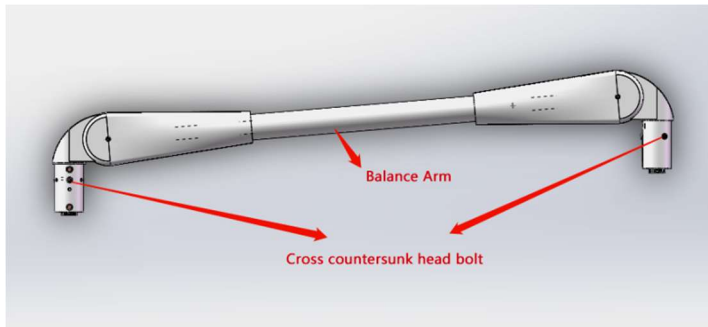
1. Use a hex wrench to remove all three countersunk bolts from the base.
2. The vertical pipe with flange is placed on the base, with the side of the power cord facing the rear of the base, and the vertical pipe is securely fastened to the base with the removed countersunk bolt.



- Note: 1. The power cord should be connected to the back of the base; ensure the orientation is correct.
2. The countersunk bolts securing the vertical pipe must be tightly fastened without any gaps.

Step 2: Install the balance arm

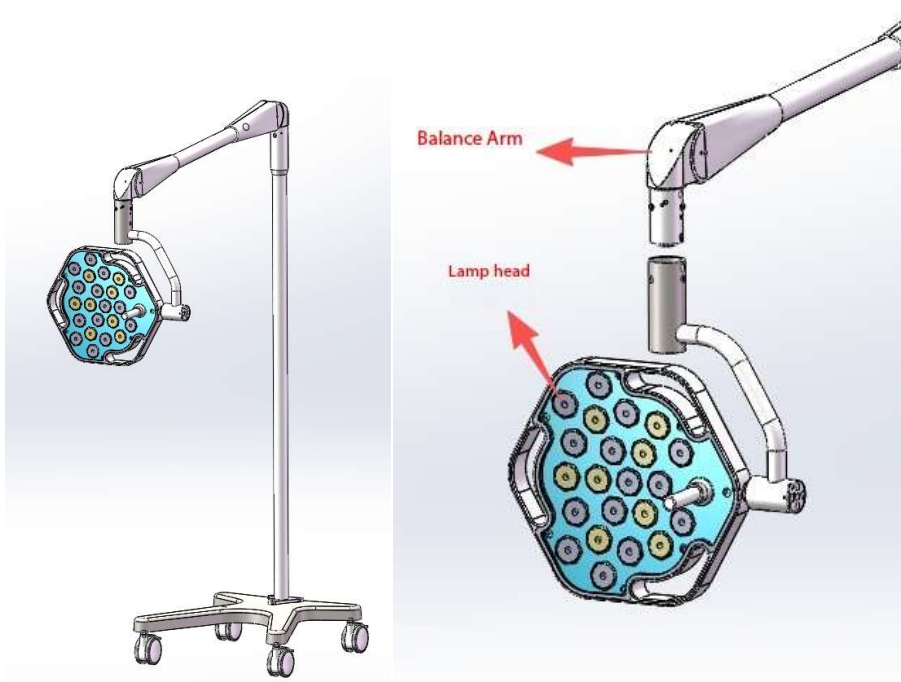
1. Remove the balance arm packaging and use a cross-head screwdriver to remove the countersunk bolts at both ends of the balance arm. Do not discard the bolts; only the exposed bolts (a total of 6) need to be removed, while the other bolts remain intact



2. The power connectors at both ends of the balance arm were removed.
 3. The power cord connector pulled out by the balance arm is plugged into the power cord connector at the top of the vertical pipe.
 4. The balance arm is inserted into the vertical tube, and the balance arm is matched with the screw hole of the vertical tube, and then the cross countersunk bolt is used to fasten.
- Note: 1. Before inserting the balance arm into the vertical tube, ensure the power cord is properly connected.
2. Never remove the balance arm bolts without authorization;
 3. The power cord must be securely and properly plugged in;
 4. Insert the balancer into the vertical tube, ensuring it doesn't press against the power cord.
 5. The fixing bolts must be securely tightened without any looseness or missing fasteners.

Step 3: Install the shadowless lamp head

1. Remove the head of the invisible lamp, then use a screwdriver to remove the screws on the upper sleeve. Do not discard the two screws. Next, remove the white cover from the upper sleeve and pull out the power cord connector inside the sleeve from the white cover.



2. The lamp head screw is fitted onto the balance arm connector, with the power cord connector previously unrolled from the balance arm threaded through the interior of the lamp head screw.
3. Connect the two power cord connectors and plug them in.
4. Use a screwdriver to tighten the removed cross-headed bolt, securing the lamp head to the balance arm.
5. Insert the connected power cord into the screw sleeve of the lamp head, cover it with the white cap, and tighten it with the two screws removed.

Requirements: 1. Fixed bolts must not have issues such as missing fasteners or loosening.

2. When installing the lamp, do not forget to connect the power cord connector

3. During quick wiring and plug-in installation, ensure secure connections and avoid arbitrary modifications to the circuit. Maintain consistent color schemes for all wires.

Step 4: Test Brightness

After inspecting all fastening bolts and completing the action debugging, connect to mains power for lighting test. Once confirmed correct, disconnect the mains power. This completes all installation procedures.

Requirements: 1. Fixed Bolts shall not have leakage, loose and other problems

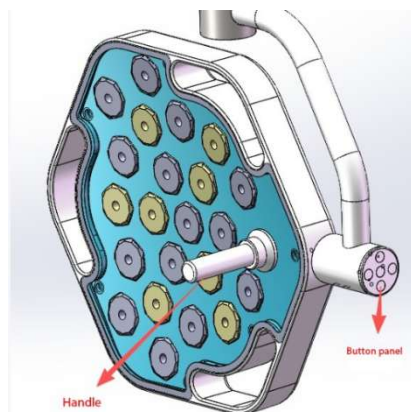
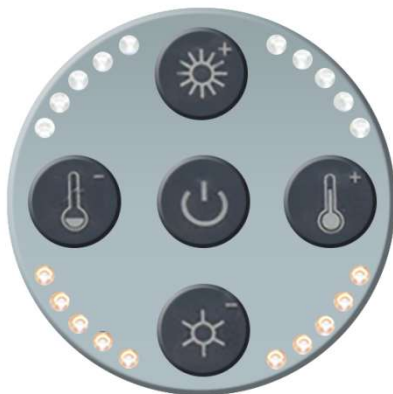
2. Do not forget to connect the power cord connector when installing the lamp cap

3. Fast wiring plug-in, to be reliable, do not arbitrarily change the line, wire up and down the same color.

Step 5: Try Lighting

All the fastening bolts are checked, action debugging, access to the market electricity to test light, test light after unmistakable, off the market electricity, to all the installation is completed.

6. How to use



Keyboard Control: When powered on, the switch button at the center of the keyboard allows you to turn the lamp on or off. To adjust the brightness, press the brightness+ or brightness- buttons. For color temperature adjustment, press the color temperature+ or color temperature- buttons.

After the handle is powered on, the hand touches the switch button at the center of the key panel to turn the lamp on or off. By rotating the handle, the color temperature and brightness intensity can be controlled simultaneously. Clockwise rotation of the handle increases both the color temperature and light intensity, while counterclockwise rotation decreases both.

7 Maintenance and repair

If you find any problem, please solve it according to the product specification. If you can not rule it out, please contact us.

Table 5 maintenance cycle

Projects	Frequency
Check the status of the fasteners at the connecting parts of the lamp	Every two months
Check the lighting circuit contact is good	Every two months
Check the flexibility of the moving parts of the lamp	Every two months

8 Clean and disinfect

When cleaning and disinfecting surgical lighting, you must first cut off the power supply, and prevent the infiltration of liquid into the lamp and do not use a brush, wire and other abrasive materials to clean the transparent plate. The lamp shell surface and the adjustment switch clean disinfection: 75% alcohol disinfection 3 minutes or 0.1% bromogeramine disinfection solution disinfection 30 minutes.

9 Storage and transportation

The surgical lighting should be stored in a room with relative humidity not exceeding 80% , temperature 5 ° C ~ ± 50 ° C, no corrosive gas and good ventilation.

Surgical lighting is fragile, sensitive to sharp or hard objects scratched or damaged products, in the course of transport, please use the original packaging, and by experienced transport agent transport.

10 Safe use period

Production date: see label.

The safe use life of this product is 10 years (counting from the date of production) .

11 Other notes

Security instructions for the environment

1、 Disposal of packaging materials

1) Wooden box-environmentally friendly and recyclable. Operational amplifier to the designated storage point of recyclable materials.

2) Styrene packaging profiles, plastic bags-harmful to the environment, should be transported to the

designated non-recyclable materials storage points, centralized treatment.

2 、 Disposal of equipment

- 1) When the equipment reaches the service life, must stop using. The dismantled equipment shall be classified according to the different materials of the product components.
- 2) metal parts-environmentally sound and recyclable. Should be transported to designated storage sites for recyclable materials.
- 3) plastic parts-harmful to the environment, should be placed in designated non-recyclable materials storage points, centralized treatment.
- 4) glass-environmentally sound, recyclable parts should be delivered to a designated storage point for recyclable materials.
- 5) Electronic and electrical devices-environmentally harmful, should be placed in designated non-recyclable materials, storage points, centralized treatment.

12 Common trouble shooting

See Table 6 for common faults and solutions.

Note: Any electrical line fault maintenance must be responsible for qualified maintenance personnel

Table 6 common failures and treatment methods

No.	Phenomenon	Method
1	Switch on the external power supply of the surgical lamp. The power adapter indicator lamp is not lit.	Check if there is a power supply to the lamp holder. Replace the power adapter
2	Turn on the external power supply of the surgical lamp, the adjusting switch can not adjust the brightness of the lamp (or the lamp does not turn on)	Maintenance Control Circuit lamp life is up, replace the adjustment switch or bulb.

3	The lifting of surgical lamp can not be fixed	Adjust the adjusting nut in the balancer
4	The surgical lights can not be moved	The universal wheel brake on lamp base is not open or the universal wheel is damaged

13 Configuration list

No.	Name	Quantity	Notes
1	Plinth	1	
2	Balance Arm	1	
3	Lamp body	1	
5	Certificate	1	
6	Instruction manual	1	
7	Product warranty card	1	
8	Packing list	1	