



Address: North Cheonan Mining South,Chongwen Avenue,Lingcheng town,Qufu City,Shandong Province

## Shandong Yimai Medical Technology Co., Ltd

North Cheonan Mining South,Chongwen Avenue,Lingcheng town,Qufu City,Shandong Province

### **LED Operation shadowless lamp**

### **LED500 Petal Luxury Wall hanging**



Technical Parameters	LED500
Illumination (Lux)	40,000-180,000Lux
Lamp Bulb Quantity	42
Bulb Type	German OSRAM LED bulb
Bulb Average Life	≥80, 000h
Color Temp (K)	3700K ~5000K
Color Rendering Index (CRI)	85~98



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Illumination Depth(mm)	50-180cm
Facular Diameter(mm)	120-280mm
Dimming Control	1%-100%
Bulb Power	42
Temp Rise (doctor head)	< 1°C
Input Power	AC100-240V 50/60HZ

## **Product features:**

### **1、 Ideal cold light effects.**

Using the new LED cold light source, energy saving and environmental protection and long service life up to 80,000hours or more. Temperature increase over surgeon's head < 1°C.

LED do not engender infrared ray and ultraviolet radiation, it doesn't have the temperature rise and tissue damage caused by halogen shadowless light, can accelerate the wound healing after surgery, and has no Radiation pollution.

LED color temperature constant, soft, very close to the natural sun light.

### **2、 Excellent shadowless effect**

The lamp head adopts the most scientific curvature, with built-in eight zones, molded, and multi-point light source design. The light spot adjustment is flexible, making the light spot illumination more uniform. When the surgical lamp is partially blocked, it can also achieve a perfect shadowless effect.

Lamp panel radius of gyration:  $\geq 182\text{cm}$ , the lamp can be pulled to vertical floor, convenient to any angle illumination.

### **3、 Excellent deep lighting**



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Adopting computer-aided modular design, multiple LED light columns are focused for illumination, generating a depth of illumination of over 1200 millimeters of light columns. The central illumination can reach up to 180000 lux or more, and provides a color adjustable temperature of 3700K-5000K that is close to natural sunlight, truly reflecting the color of human tissues, fully meeting various surgical lighting needs.

## 4、 Advanced control system

Adopting LCD display button control, it can adjust power switch, illumination, color temperature, etc. to meet the requirements of medical staff for different patient surgical brightness.

Digital memory function, automatically remembers the appropriate lighting level, and does not require debugging when turned on again.

Multiple centralized control methods with the same power and multiple groups, ensuring that single LED damage does not affect surgical lighting requirements.

## 5、 Universal suspension system

Rotating arm, a new type of alloy material is made of eight edge type.

Balanced system using imported arm module, more than 5 group universal joints, every cantilever must have more than 3 joints which can be rotated in 360°, The structure is light, easy to manipulate, accurate positioning, can provide the maximum range of regulation.

The equipped with fatigue correcting unit and fix position hand handle device, easy to fix position after long time use.

## 6、 Modern laminar lamp

The lamp head adopts petal-type stereo design, with multiple light sources, and the light spot adjustment is flexible, so that the light spot illumination is more uniform. When the surgical lamp is partially blocked, it can also achieve a perfect shadowless effect.



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The lampshade shell is made of imported aluminum material, and the middle handle of the lamp head is detachable. It can withstand high temperature and high pressure disinfection at 134 °C, making it easy to adjust and flexibly locate.

Each flap has an independent integral handle, beautiful shape and easy to operate.

## Configuration list

1、 500 lamp cap、 Dimming System	1 suite
2、 Rotating Arm	1 suite
3、 Balance arm	1 suite
4、 Transformer assembly	1 suite
5、 Handle Sleeve	2 count
6、 Hexagon Allen key	1 suite
7、 Fixed plate	1 piece
8、 Install fixing bolts, washers, and nuts	1 suite
9、 Bracket, support cover	1 suite
10、 Fixed seat	1 part
11、 Product Qualification Certificate	1 part
12、 Instructions	1 part