

# LED700 (Petal style)

## Shadowless operating lamp



Technical Parameters	LED700
Illumination (Lux)	40,000-160,000Lux
Lamp Bulb Quantity	61
Bulb Type	German OSRAM LED bulb
Bulb Average Life	≥80, 000h
Color Temp (K)	3700K ~5000K
Color Rendering Index (CRI)	85~98
Illumination Depth(mm)	50-180cm
Facular Diameter(mm)	120-300mm
Dimming Control	1%-100%
Bulb Power	61
Temp Rise (doctor head)	< 1℃
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℃。

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.

Imported OSRAM lamp beads are used.

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

Adopting petal style three-dimensional design and multi-point light source, the illumination of the spot is more uniform. When the surgical lamp is partially obstructed, it can also achieve a perfect shadowless effect.

The turning radius of the lamp disc:  $\geq 182\text{cm}$ , and the lamp head can be pulled down to the vertical ground, facilitating lighting at various angles.

### **3、 Excellent deep lighting**

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 160000 lux or more, and it provides a 3500K-5000K adjustable color temperature that is close to natural sunlight, truly reflecting the color of human tissues, fully meeting various surgical lighting needs.

### **4、 Advanced control system**

The use of liquid crystal display button control, to meet the needs of the medical staff of different patients with the brightness of the operation.

It offers illuminance memory function.

### **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 has 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

German designer petal shaped ultra-thin design, with a maximum thickness of no more than 10cm, can achieve excellent laminar flow effect.

The middle handle of the lamp head is detachable, resistant to 134 °C high temperature and high pressure disinfection, convenient for adjustment and flexible positioning.

### Configuration list

1、Five petal lamp、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