

Shadowless operating lamp



Technical Parameters		
Illumination (Lux)	40,000-160,000Lux	40,000-160,000Lux
Lamp Bulb Quantity	80	80
Bulb Type	German OSRAM LED bulb	German OSRAM LED bulb
Bulb Average Life	≥80, 000h	≥80, 000h
Color Temp (K)	3700K ~ 5000K	3700K ~ 5000K
Color Rendering Index (CRI)	85~98	85~98
Illumination Depth(mm)	50-180cm	50-180cm
Facular Diameter(mm)	120-280mm	120-280mm
Dimming Control	1%-100%	1%-100%
Bulb Power	80	80
Temp Rise (doctor head)	< 1℃	< 1℃
Input Power	AC100-240V 50/60HZ	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.

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

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 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

Circular ultra-thin design, with the thickest part not exceeding 10cm, can achieve excellent laminar flow effect.

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.

Configuration list

1、 700 lamp cap、 Dimming System	1 suite
2、 700 lamp cap、 Dimming System	1 suite
3、 Rotating Arm	2 suite
4、 Balance arm	2 suite
5、 Transformer assembly	2 suite
6、 Handle Sleeve	4 count
7、 Hexagon Allen key	1 suite
8、 Fixed plate	1 piece
9、 Install fixing bolts, washers, and nuts	1 suite
10、 Bracket, support cover	1 suite
11、 Fixed seat	1 part
12、 Product Qualification Certificate	1 part
13、 Instructions	1 part