

500 Shadowless operating lamp

Mobile



Technical Parameters	500
Illumination (Lux)	30,000–160,000Lux
Lamp Bulb Quantity	48
Bulb Type	LED
Bulb Average Life	$\geq 80,000$ h
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	48
Temp Rise (doctor head)	$< 1^{\circ}\text{C}$
Input Power	AC100–240V 50/60HZ

Product features:

1. True cold light source

★ Adopting a new type of LED cold light source, it is energy-saving, environmentally friendly, and has an ultra long service life of over 80000 hours. The head temperature of the doctor is less than 1 °C.

LED does not generate infrared and ultraviolet radiation, and halogen free shadowless lamps cause temperature rise and tissue damage to the wound surface, accelerating postoperative wound healing, and have no radiation pollution.

★ LED color temperature is constant, color temperature does not decay, soft and not dazzling, very close to natural sunlight.

★ Imported OSRAM lamp beads are used.

2. Excellent shadowless effect

★ The lamp head adopts the most scientific radian, 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.

★ Turning radius of the lamp disc: $\geq 182\text{cm}$, 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 adjustable color temperatures of 3700K-5000K that are close to natural sunlight, truly reflecting the color of human tissues, fully meeting the needs of 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. Suspension system

The balance system adopts imported arm spring components, with a lightweight structure, easy operation, precise positioning, and the ability to provide the maximum adjustment range.

Equipped with fatigue correction device and positioning touch adjustment device, it is convenient for positioning and adjustment after regular use.

6. Universal caster

The base adopts four wheel support, with high-end silent universal casters. Each caster is equipped with a braking device, which plays a fixed role. It is flexible, lightweight, stable, safe, reliable, and noiseless in movement and positioning.

7. Modern laminar flow lamp holder

★ 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、 500 lamp holder、 Dimming System	1 suite
2、 Support pole	1suite
3、 Balancing arm	1suite
4、 Transformer assembly	1suite
5、 Handle jacket	4 count
6、 Mobile base	1suite
7、 High grade silent universal wheel	4 count
8、 Allen key	1 suite
9、 Product Qualification Certificate	1 part
10、 Operation instructions	1 part