

# LED700/500 Shadowless operating lamp

## Luxury ultra-thin model



Technical Parameters	LED700	LED500
Illumination (Lux)	40,000–160,000Lux	30,000–160,000Lux
Lamp Bulb Quantity	84	54
Bulb Type	LED	LED
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)	500–1800mm	500–1800mm
Facular Diameter(mm)	120–300mm	120–300mm
Dimming Control	1%–100%	1%–100%
Bulb Power	84	54
Temp Rise (doctor head)	< 1°C	< 1°C
Input Power	AC100–240V 50/60HZ	AC100–240V 50/60HZ

### Product features:

1. A true cold light source

★ Adopting a new type of LED cold light source, it is energy-saving,

environmentally friendly, and has a long service life of over 80000 hours. The doctor's head temperature is less than 1 °C.

★ LED does not produce infrared and ultraviolet radiation, and the halogen-free shadowless lamp can cause temperature rise and tissue damage to the wound, accelerate postoperative wound healing, and has no radiation pollution.

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

★ Adopting imported OSRAM light beads and a brand new drilling lens design.

## 2. Excellent shadowless effect

★ The integrated circular operation armrest of the lamp panel adopts the most scientific curvature of the lamp head, with six built-in zones, mold design, multi-point light source design, and flexible adjustment of the light spot, making the illumination of the light spot more uniform. When the surgical light is partially obstructed, it can also achieve a perfect shadowless effect.

★ Rotation radius of the lamp panel:  $\geq 182\text{cm}$ , the lamp head can be pulled down close to the vertical ground for convenient illumination at various angles.

## 3. Excellent deep lighting

★ Adopting computer-aided modular design, multiple LED light

columns are focused and illuminated to generate deep illumination of over 1200mm, with a maximum central illumination of 160000Lux or more, and providing adjustable color temperature ranging from 3500K-5000K close to natural sunlight, truly reflecting the color of human tissue and 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 sets of multiple centralized control methods with the same power ensure that damage to a single LED does not affect surgical lighting requirements.

#### 5. Universal suspension system

★ The rotating arm is made of a new alloy material.

The balance system adopts imported arm spring components, which are lightweight, easy to operate, precise in positioning, and can provide the maximum adjustment range.

Equipped with fatigue correction device and positioning tactile adjustment device, it is easy to position and adjust after long-term use.

#### 6. Modern laminar flow lamp head

★ Circular ultra-thin design, with the thickest part not exceeding 9CM, can achieve excellent laminar flow effect.

★ The lamp head body cover is made of high-quality aluminum plate hydraulically formed, embedded with aviation aluminum top cover. The central handle of the lamp head is detachable and can withstand high temperature and high pressure disinfection at 134 °C , making it easy to adjust and flexibly position.

## Configuration list

1. 700 lamp holder、Dimming System	1 suite
2. 500 lamp holder、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