

LED510 Operating Light



Configuration:

With Standard surgical light rotating axis system(Patent)

With Standard butterfly spring braking system, preventing drifting (Patent)

With standard surgical light focusing (Patent)

Imported electric commutator system from Germany :LED bulb imported from Germany

ABS operate handle in the lamp rim

Reflector with big headlight cup, 1w high power LED bulb

Main feature:

1. The main light use 48 pcs LEDS(main bulb), divided into multiple independent illuminant group, divided into multiple independent illuminant group; Every group of LED illuminant controlled by special circuit chip, any group failure will not affect the normal use of shadowless light.

2. Use international advanced warm white LED as shadowless illuminant, environmental, lower energy consumption LED bulb, bulb life: ≥ 60000 hours.

3. 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.

4. Microcomputer digital control, illumination can be adjustable; stepless adjustment, eight segments continuous indicating, adjustment range: 10%-100%, backlight illumination: ≥ 30 Lux; it offers illuminance memory function

5. The handle on the central of lamp can be detachable, can take high temperature ($\leq 134^{\circ}\text{C}$) sterilization treatment, easily adjust, flexible fixed; Adopt balanced arm, handy operate, and make sure the lamp stable during operation; has C-arm joint control panel, has

luminance prompt facility, provide environment lighting models

6. Lamp panel radius of gyration: $\geq 182\text{cm}$, the lamp can be pulled to vertical floor, convenient to any angle illumination. Unify ABS operate handle and mid-operation handle of Lamp rim convenient to operate. Product execute international IEC standard.

7. The transverse arm joint can rotate horizontally without restriction 360 degrees, and the balance arm system's two joints can rotate 540 degrees, using a multi joint linkage device

Technical Parameters/Model	LED510
Light head diameter	50cm
Maximum Light Output Measured in 1m(lux),Ec	120,000
Color Temperature (Kelvin)	4,300
Adjustable Color Temperature (Kelvin)	3000-5000
Color Rendering Index (CRI)	96
Electronic ray intensity control	standard
Dimming range	10—100%
Temp rise(Surgeon head)(°C)	≤ 0.5
Temp rise(surgical field)(°C)	≤ 2
Lighting Spot Size (mm)	160-300
Bulb Type	LED
Average Bulb Life (hours)	60,000
Bulb Quantity	48Leds
Depth of Illumination	$\geq 80\text{cm}$
Power Consumption of the Light head (W)	50
Height adjustment(cm)	118
Power Input	100-240VAC, 50/60Hz
Ceiling height	2.7m-3.4m