Mobile LED Surgical light



Main Technique parameter	
Illumination Ec	55000-160000LX(adjustable)
D10	120mm≤d10≤220mm
Light sport allocation	D50≥0.5xd10
Ra	85≦Ra≦100
Lighting depth	≧500mm
Arm angle:	upswing≈11^0, downswing≈12^0
Height	1900mm

Main Technique parameter	
Lamp head diameter	500mm
The maximum distance between the lamp head and the column size	1100mm
Power supply	220V 50HZ

Technical features of the LED lighting lamp series

1. Lamp head illuminance

The illuminance adjustment can perform stepless dimming. Reducing the illuminance does not change the color temperature range.

2. Color temperature range

Technical requirements: 4800K±300K

3. Size of the illuminated area:

The lamp head can be manually focused. Turning the focusing dimming knob can adjust the size of the illuminated area, making the illuminated areas of each lighting module overlap.

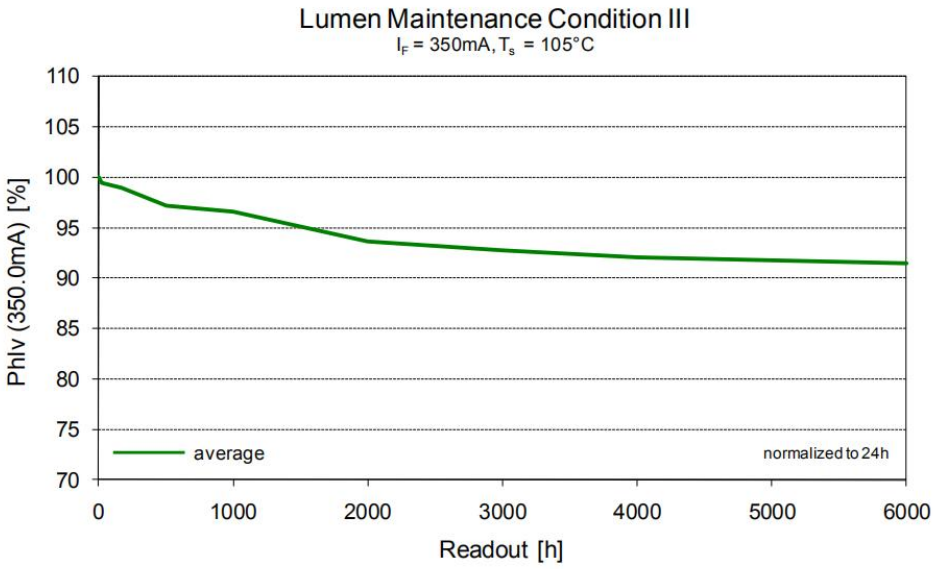
4. The LED surgical lighting lamp adopts an innovative light source, namely LED (Light-emitting Diode). The LED light-emitting diodes used in our factory are original imported Osram lamp beads.

Average service life

The advantage of LED lights over traditional halogen lamps or gas discharge lamps is that leds have a longer service life.

The traditional light-emitting mode usually needs to be replaced after about 500 hours of use, while the average lifespan of LED lights is approximately 30,000 hours.

Osram LED Life Curve table



5. Low failure rate

By using original imported Osram LED beads, the lamp head has a very low failure rate. The failure of a single group of LED beads will not affect the normal use of the lamp head.

6. The lamp head is equipped with a separate memory switch. After the current use, when the lighting is turned on next time, the brightness remains at the same position as when the lighting was turned off last time, thereby reducing the doctor's operational steps.

7. Each desk lamp is equipped with an ABS lamp cap handle for easy adjustment of the lamp cap position.

8. Equipped with a power indicator light and a fuse.

9. The light-transmitting plate is made of shatter-resistant material to ensure the safety of doctors and patients during use.

10. The base adopts a hidden space waterproof design, which ensures the safety of the transformer's use to a greater extent.

11. The lamp cap is equipped with a heating fan hole to better reduce the heat of the lamp.

Parts list

No.	Parts name	QTY
1	Base legs (including casters)	2ea
2	Base assembly	1ea
3	Lower pole	1ea
4	Upper vertical pole and spring arm (including 2 knobs)	1ea
5	Light head	1ea
6	Installation screw bag (including 2 brake wheels)	1set
7	Setup Toolkit	1set
8	fuse (F5AL250V)	2ea
9	Lamp head handle	1ea
10	User’s manual	1ea
11	Packing list	1ea