LED（5+3 型） LED 手术无影灯

LED (5+3 type) LED surgical shadowless lamp

技术参数及产品介绍

Technical parameters and product introduction

产品特点：

Product features:

1、真正的冷光源

1. A true cold light source

采用新型 LED 冷光源，节能环保和超长使用寿命高达 8 万小时以上。医生头部升温＜1℃。

Adopting a new type of LED cold light source, it is energy-saving, environmentally friendly, and has a super long service life of over 80000 hours. The doctor's head temperature is less than 1 ℃.

LED 不产生红外线和紫外线辐射，无卤素无影灯对创面造成的温升和组织损伤，加快术后伤口愈合，并且没有辐射污染。

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

LED 色温恒定，色温色彩不衰减，柔和不刺眼，非常接近自然太阳光线。

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

2、卓越的无影效果

2. Excellent shadowless effect

灯头采用最科学的弧度，多点光源设计，使光斑照度更均匀，当手术灯被部分遮挡时，同样能达到完美的无影效果。

The lamp head adopts the most scientific curvature and multi-point light source design, making the illumination of the spot more uniform. When the surgical lamp is partially blocked, it can also achieve a perfect shadowless effect.

灯盘回转半径：≥182cm，灯头可下拉近垂直地面，方便各种角度的照明。

The turning radius of the lamp panel is ≥ 182cm, and the lamp head can be pulled down close to the vertical ground, making it convenient for lighting at various angles.

3、极佳的深度照明

3. Excellent depth lighting

采用计算机辅助模块化设计，多颗 LED 光柱聚焦照射，产生 1200 毫米以上光柱的深度照明，中心照度最高达 1800001nx 以上，并提供接近自然日光的 3700K-5000K 可调色温，真实反映人体组织颜色，完全满足各类手术照明需要。

Using computer-aided modular design, multiple LED light columns are focused for illumination, producing a depth of illumination of over 1200mm. The central illumination can reach up to 180000lnx 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 various surgical lighting needs.

4、先进的控制系统

4. Advanced control system

采用液晶显示按键式控制，可进行电源开关、照度、色温等调节，满足医护人员对不同病人手术亮度的要求。

Using LCD display button type control, it can adjust power switch, illumination, color temperature, etc. to meet the requirements of medical staff for different surgical brightness of patients.

数字记忆功能，自动记忆适合的照明度，再次开启时无需进行调试。

Digital memory function, automatically remembers the appropriate lighting level, and does not require debugging when turned on again.

多个相同功率多组多路集中控制方法，保证单路单颗 LED 损坏不影响

手术照明要求。

Multiple centralized control methods with the same power and multiple groups ensure that damage to a single LED does not affect surgical lighting requirements.

5、万向悬挂系统

5. Universal suspension system

旋转大臂，采用新型合金材料制成八棱型。

The rotating arm is made of a new alloy material with an octagonal shape.

平衡系统采用国产弹簧组件，结构轻巧、便于操控、定位精确，能够提供最大的调节范围。

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

具备疲劳校正装置和定位手感调节装置，常时间使用后便于定位调校。

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

6、现代化层流灯头

6. Modern laminar flow lamp head

德国设计师花瓣形超薄设计，最厚处不超过 10CM，可获得极佳的层流效果。

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

灯罩壳为进口 ABS 材质，灯头中置手柄可拆卸，耐 134℃高温高压消毒，方便调节、灵活定位。

The lampshade shell is made of imported ABS material, and the middle handle of the lamp head is detachable. It is resistant to high temperature and high pressure disinfection at 134 ℃, convenient for adjustment, and flexible positioning.

技术参数　LED-700/500 型（5+3 型）

Technical parameters LED-700/500 type (5+3 type)

照度（可调）　　　　40,000-180,000Lux Illumination (adjustable) 40000-180000Lux	
灯泡数量　　　　61 颗 + 39 颗	

61+39 light bulbs	
灯泡类型 LED Bulb type LED	
灯泡平均寿命 ≥80，000h The average lifespan of light bulbs is ≥ 80000 hours	
色温（可调） 3700K ～5000K Color temperature (adjustable) 3700K~5000K	
显示指数(可调) 85～98 Display index (adjustable) 85-98	
聚焦深度 50-180cm Focusing depth 50-180cm	
光斑直径 160-280mm Spot diameter 160-280mm	
亮度调节 1%-100% Brightness adjustment 1% -100%	
消耗功率（W） 65 Power consumption (W) 65	
术者头部升温 ＜1℃ The head temperature of the surgeon is less than 1 ℃	
电源电压 AC100-240V 50/60HZ Power supply voltage AC100-240V 50/60HZ	

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LED-700/500 LED surgical shadowless lamp

配置清单（单台）

Configuration List (Single Unit)

序号 Number	配件名称 Accessory Name	品牌 brand	数量 quantity	单位 unit	备注 Remarks

1	700 灯头 五瓣灯头 700 lamp head five petal lamp head		1	套 set	
2	500 灯头 三瓣灯头 500 lamp head three petal lamp head		1	套 set	
3	消毒手柄 Disinfection handle		4	个 individual	标配、备品各 2 个 Two standard and two spare parts each
4	LED 灯组 LED light group	德国欧司朗 Osram, Germany	1	套 set	五瓣灯头 61 个 LED 灯珠 Five petal lamp head with 61 LED beads
5	LED 灯组 LED light group	德国欧司朗 Osram, Germany	1	套 set	三瓣灯头 39 个 LED 灯珠 Three petal lamp head with 39 LED beads
6	平衡臂 Balance arm		2	套 set	可选配进口臂 Optional imported arm
7	旋转臂（含固定底座） Rotating arm (including fixed base)		1	套 set	双臂 Both arms
8	开关电源组合件 Switching power supply assembly	国产 domestic	2	套 set	
9	护罩 Shield		1	套 set	
10	随灯工具 Accompanying light tool	国产 domestic	1	套 set	
11	产品合格证/保修卡 Product certificate/warranty card		1	套 set	
12	使用说明书 User manual		1	套 set	

木箱包装尺寸 Wooden box packaging size	100*94*67 100 * 94 * 67	48	
	108*37*64	62	

	108 * 37 * 64		