

SK-LLD7272C

LED OPERATION LAMP

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SKSurgitech™
by Saikang Medical



Product data sheet

SK-LLD7272C



FEATURES AND HIGHLIGHTS

The LED surgical shadowless lamp is composed of multiple lamp bulb. The bulb has a longer life than the traditional shadowless lamp. It can be round or petal-shaped. It is fixed on the balance arm suspension system. What's more, it is stable in positioning and can be moved vertically or cyclically to meet different heights during surgery.

Technical parameters

Lamp head diameter:	700±10mm, 700±10mm
Illuminance (at 1m distance): (adjustment range: 0-100), 120000-160000lx (adjustment range: 0-100)	120000-160000lx
Color temperature (Kelvin): (adjustment range: 0-100), 3000-4500K (adjustment range: 0-100)	3000-4500K
Color Rendering Index (CRI):	98, 98
Red Light Rendering Index (R9):	95, 95
Green Light Rendering Index (R11):	95, 95
Light spot diameter (d10):	150-200mm, 150-200mm
Light spot distribution (d50/d10):	52%, 52%
Light column depth (60%Ec):	555mm, 555mm
Maximum total irradiance (Ee):	⩽570W/m², ⩽570W/m²
Irradiance density (Ee/Ec):	⩽3.56mW/(m²·lx), ⩽3.56mW/(m²·lx)
Light beads:	Osram
Light bead type:	LED
Number of light beads:	108+108
Power per light bead:	1W each
Surgical field temperature rise:	⩽2°C, ⩽2°C
Surgeon's head temperature rise:	⩽1°C, ⩽1°C
Average service life of light beads:	⩾60000h
4.3-inch full-screen touch controller	
Manual focusing	
Four lighting modes: Standard, Laparoscopic, Low Light, Superficial	

Technical configuration

☑ Rotating arm	2 set
☑ Balance arm	2 set
☑ C-arm	2 set
☑ Handle	2 pcs

Material technology

The lampshade shell adopts a thin, light and streamlined design, and ABS is integrally formed to achieve the best laminar flow effect and meet the requirements of modern clean laminar flow operating rooms.
The surface of the lamp arm adopts the high-voltage electrostatic spraying process, and the imported environmentally friendly antibacterial plastic powder that used to ensures that the product meets the requirements of surgical hygiene.



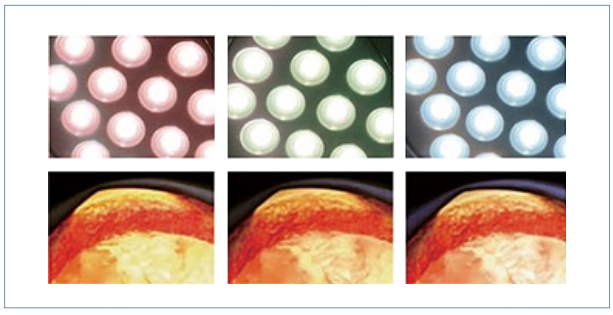
Bulb

Using the original imported LED lamp beads from Osram, Germany, the average service life is as high as 60,000 hours, which is 40 times longer life than halogen lamps.
Under the same brightness, the energy consumption of LED is only 1/10 of that of ordinary incandescent lamps and 1/2 of that of halogen lamps.



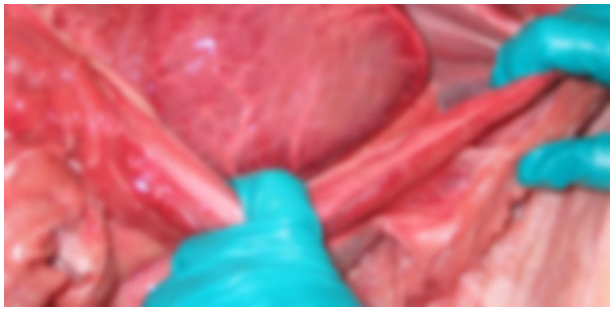
Color temperature&illumination

Using a new type of LED cold light source, the illuminance can reach 120,000-160,000 Lux, which can realize stepless dimming and non-multi-speed adjustment; the color temperature is in the range of 3000-4500K, and the stepless dimming is non-multi-step adjustment. While meeting the high illuminance, adjust the lighting parameters according to the needs of different surgeons, so that the surgeon's perception of light is soft and no glint.



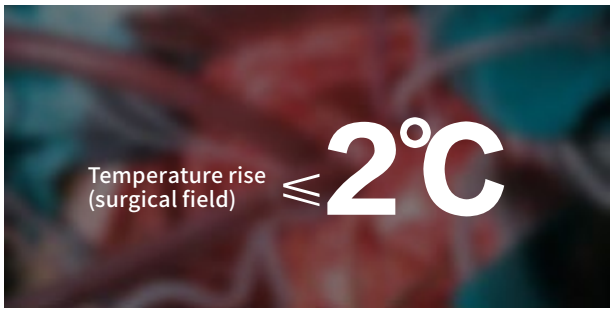
Color rendering index

The color rendering index reaches 98, which truly reflects the color of human tissues. It is suitable for various surgical scenes and greatly reduces the visual fatigue of medical staff due to long-term operations.



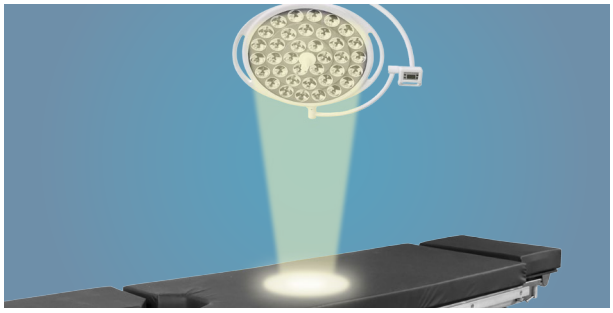
Temperature rise (surgical field)

LED cold light source has no infrared radiation, coupled with our nano-coated radiator, created our excellent heat dissipation effect. It solves the problem of the doctor's head temperature being too high during the operation, and creates a more comfortable operation environment for the doctor; it also effectively avoids the loss of water and infection of the surgical wound, which is conducive to the rapid recovery of the patient's wound after the operation.



Reflective bowl design

The multi-focus design of the reflective bowl is adopted, and 3 luminous bodies are hidden in each reflective bowl. The light source in the reflective bowl is just rightly converged to the surgical area, forming a good shadowless effect.



Operating handle

The detachable disinfection handle is made of high-strength ABS, which can be disinfected and sterilized at a high temperature above 135°, ensuring the durability and reliability of the handle.



Other functions

With one-key cavity mirror mode, can easily switch between standard mode and cavity mirror mode.





CONSTANT INNOVATION


Design


Research


Manufacturing


Maintenance


Service

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Company video

General catalogue