



Care you precisely



SK-LKD12A

APERTURED SERIES OPERATION
SHADOWLESS LAMP



SK-LKD12A

FEATURES AND HIGHLIGHTS

This apertured series operation shadowless lamp is an economical operation lamp. It adopts light sources from different positions to focus to eliminate shadows of different parts of medical workers by adjusting knob.



Technical parameters

▪ Diameter of lighthouse (mm):	900
▪ Illumination at 1m (Lux):	130000
▪ Brightness control range:	40-100%
▪ Color Temperature (Kelvin):	4000±500
▪ Color Rendering Index (CRI):	≥85
▪ Temperature rise (Surgeon head)(°C):	≤2
▪ Temperature rise (surgical field)(°C):	≤2
▪ Total Irradiance Ee (W/m2):	≤2000
▪ Radiant Power Ee/Ec (mW/m2lux):	≤6
▪ Effective Focusing Depth (cm):	40-45
▪ Lighting Spot Size (cm):	20±1
▪ L1+L2 depth of illumination (cm):	≥30
▪ Bulb Type:	LED

▪ Bulb Brand:	OSRAM
▪ Bulb Quantity:	48
▪ Bulb Power (w):	1
▪ Average Bulb Life (hours):	≥50000

Technical configuration

<input checked="" type="checkbox"/> Rotating arm parts	1 set
<input checked="" type="checkbox"/> Balance arm	1 set
<input checked="" type="checkbox"/> Main light	1 set
<input checked="" type="checkbox"/> Auxiliary light	1 set
<input checked="" type="checkbox"/> handle	1 pcs
<input checked="" type="checkbox"/> fuse	2 pcs

Material technology

The lampshade shell and boom are selected from Baosteel's high-quality steel. The surface 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. Also, this product has matte surface and no glint.



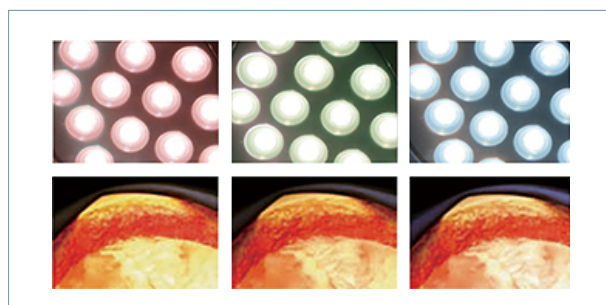
Bulb

It uses OSRAM high-quality LED light-emitting chips, the chip life is up to more than 50,000 hours, 40 times longer than the life of traditional halogen lamps.



Color temperature&illumination

It uses LED cold light source, the color temperature is $4000 \pm 500K$, the illuminance can reach 130,000 Lux, which can realize stepless dimming and non-multi-level adjustment. While meeting high illuminance, according to the needs of different surgeons, it can adjust the lighting parameters, so that the surgeon's perception of light is soft and not dazzling.



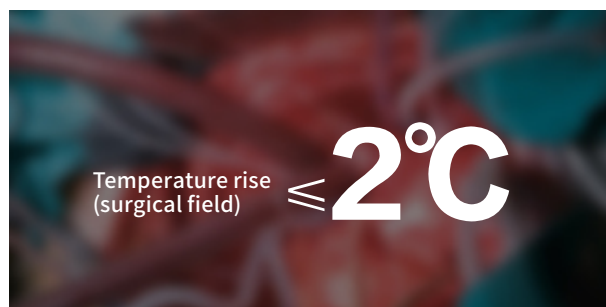
Color rendering index

The color rendering index is as high as 85, 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.



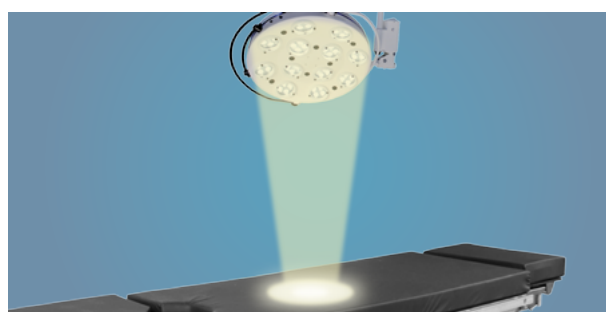
Temperature rise (surgical field)

Temperature rise (surgical field) (°C) : ≤ 2 , this can avoid tissue drying due to high temperature and rapid blood clots at the wound, which will affect the operation.



Lamp holder structure

The lamp holder is equipped with multiple light sources and reflectors to focus on the working plane, which can effectively eliminate the shadows on the surgical site formed by the surgeon's head, shoulders and arms.



Lamp arm structure

This is a self-developed multifunctional lamp arm. Both the head lamp arm and the small lamp arm can be rotated up to 360°. The lamp head can be flipped vertically and horizontally, and can be hovered up and down.






CONSTANT INNOVATION



Design



Research



Manufacturing



Maintenance



Service



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Company video



General catalogue