



# HW-LLY70A

LED OPERATION LAMP



# SK-LLY70A

## 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

▪ Diameter of lighthead (mm):	700
▪ Illumination at 1m (Lux):	180000
▪ Brightness control range:	0-100% stepless adjustment
▪ Color Temperature (Kelvin):	3700-5000
▪ Color Rendering Index (CRI):	≥95
▪ Temperature rise (Surgeon head)(°C):	≤1
▪ Temperature rise (surgical field)(°C):	≤1
▪ Total Irradiance Ee (W/m2):	≤600
▪ Radiant Power Ee/Ec (mW/m2lux):	≤4
▪ Effective Focusing Depth (cm):	60-130
▪ Lighting Spot Size (cm):	16-28
▪ L1+L2 depth of illumination (cm):	≥130
▪ Bulb Type:	LED

▪ Bulb Brand:	OSRAM
▪ Bulb Quantity:	80
▪ Bulb Power (w):	1
▪ Average Bulb Life (hours):	≥80000

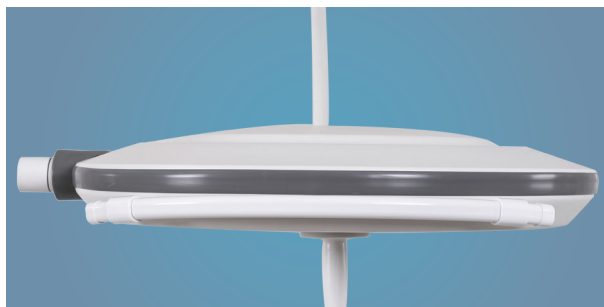
### Technical configuration

<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	2 pcs
<input checked="" type="checkbox"/> fuse	2 pcs



## Material technology

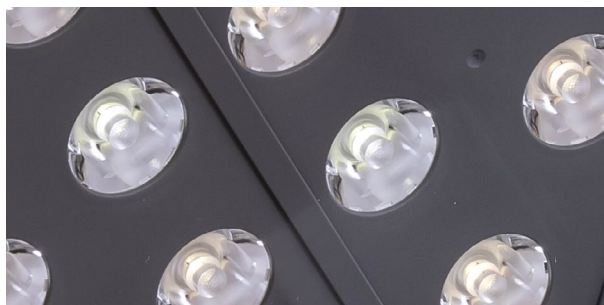
The lampshade shell is made of high-quality aluminum alloy. The surface adopts the high-voltage electrostatic spraying process, and the imported environmentally friendly antibacterial plastic powder that used to ensures that the product meets the requirements of surgical hygiene.



## Bulb

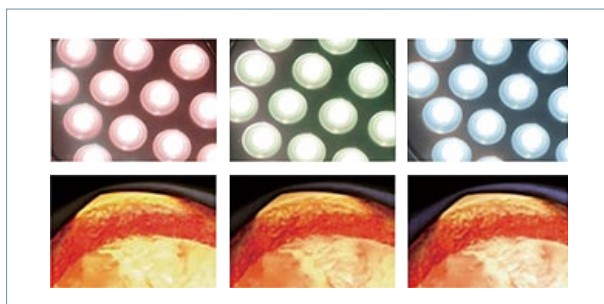
Using the original imported LED lamp beads from Osram, Germany, the average service life is as high as 80,000 hours, which is 40 times longer life than halogen lamps.

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.



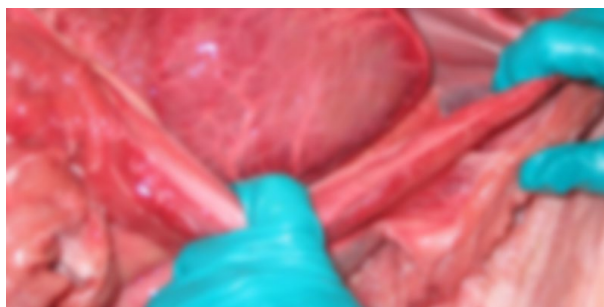
## Color temperature&illumination

Using a new type of LED cold light source, the illuminance can reach 180,000 Lux, which can realize stepless dimming and non-multi-speed adjustment; the color temperature is in the range of 3700K-5000K, 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.



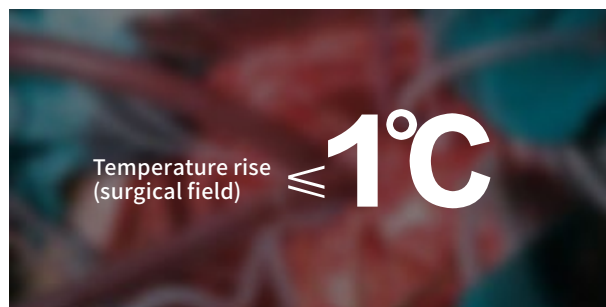
## Color rendering index

The color rendering index is 85 to 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)

Temperature rise (surgical field):  $\leq 1^{\circ}\text{C}$ , this can avoid tissue drying due to high temperature and rapid blood clots at the wound.



## Operating handle

The middle-mounted disinfection handle can be detached at will, the temperature resistance is more than  $134^{\circ}\text{C}$ , and the high pressure resistance is not less than  $205.8\text{kPa}$ , which is convenient for high temperature and high pressure steam sterilization.



## 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