



Care you precisely



# SK-LLD7050Z

SHADOWLESS LAMP



# SK-LLD7050Z

## FEATURES AND HIGHLIGHTS

Suitable for clinical operation lighting



### Technical parameters

▪ Lamp head diameter(mm):	700/530±10
▪ Illuminance at 1 meter(Lux):	40,000-160,000
▪ Brightness adjustment:	9 levels
▪ Color temperature(Kelvin):	4000-5000
▪ Color rendering index(CRI):	≥95
▪ Spot diameter at 1 meter(mm):	180-280
▪ Illumination depth(cm):	≥120
▪ Surge in surgeon's head temperature(°C):	≤1
▪ Surge in surgical field temperature(°C):	≤0.5
▪ Light source type:	LED
▪ LED brand:	OSRAM
▪ Number of LEDs:	81 + 51
▪ LED power(W):	Rated 3W, actual use 1W
▪ LED lifespan(hours):	50,000
▪ Brightness adjustment:	4.3-inch controller 9 levels adjustment
▪ Operating voltage:	AC 100V-240V, 50HZ/60HZ
▪ Installation :	2800-3200mm (optional 2.5m floor height customized edition)

### Standard configuration

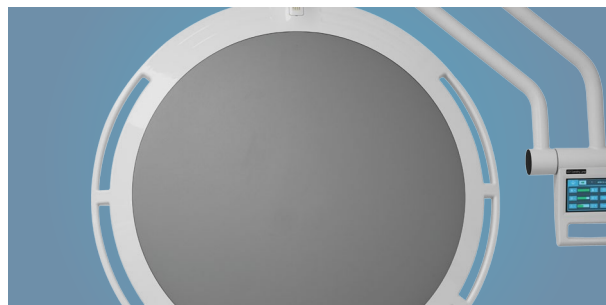
- 4.3-inch full-screen touch controller
- Manual focusing module
- Red light compensation
- Green light compensation
- Standard, endoscopic, low-light illumination modes

### Options

- Motorized focusing module
- Shadow compensation
- Mutually control system
- Gesture detection
- Backup battery
- Remote controller
- Wall control system
- Camera system

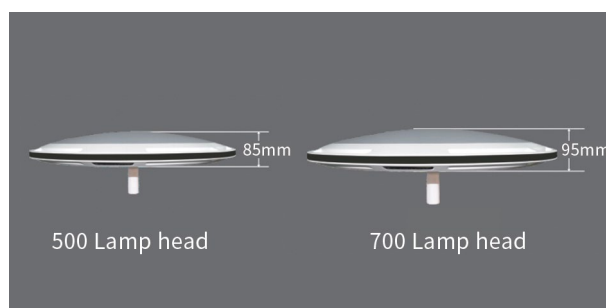
## Material technology

The lampshade shell is made of aluminum + integrated ABS engineering plastic with an embedded aerospace aluminum top cover, which facilitates heat dissipation. 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.



## Lamp head design

Using LED cold light source technology, the ultra-thin streamlined design meets laminar flow purification requirements. The 360° surround handle design makes operation more convenient. The thickness of the 700mm-diameter lamp head is 95mm, and the thickness of the 500mm-diameter lamp head is 85mm.



## Bulb

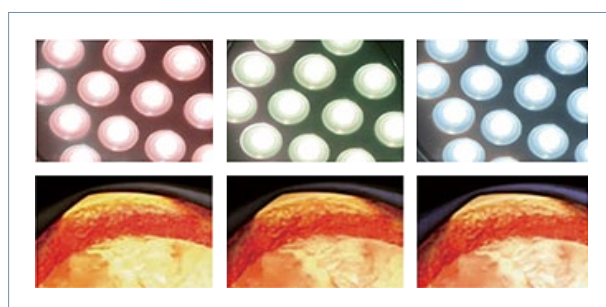
Using the original imported LED lamp beads from Osram, Germany, the average service life is as high as 50,000 hours, which is 40 times longer life than halogen lamps.

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.



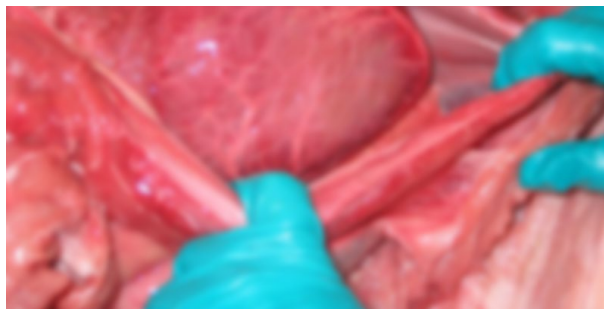
## Color temperature&illumination

Using a new type of LED cold light source, the illuminance can reach 160,000 Lux, which can realize 9-level adjustment; the color temperature is in the range of 4000K-5000K with 4-level adjustment.



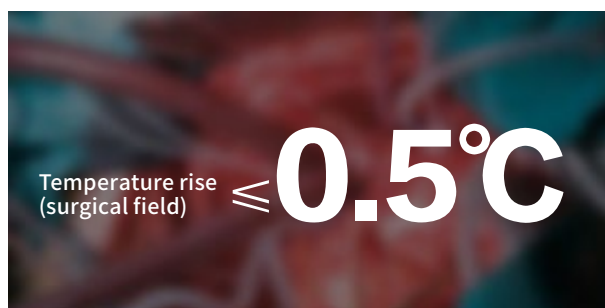
## Color rendering index

The color rendering index reaches 95, 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.



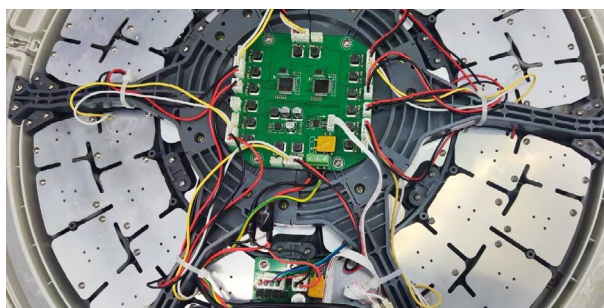
## Temperature rise (surgical field)

Temperature rise (surgical field):  $\leq 0.5^{\circ}\text{C}$ , this can avoid tissue drying due to high temperature and rapid blood clots at the wound, which will affect the operation.



## Light source components

The internal light source components are composed of ABS engineering plastic frame+aluminum substrate structure, offering excellent heat dissipation, lightweight to reduce failure rate.



## Operating handle

- Central detachable disinfection handle.
- Made of PPSU material.
- Temperature resistance up to  $134^{\circ}\text{C}$ .
- Pressure resistance up to 205.8 kPa.
- Suitable for high-temperature, high-pressure steam sterilization.



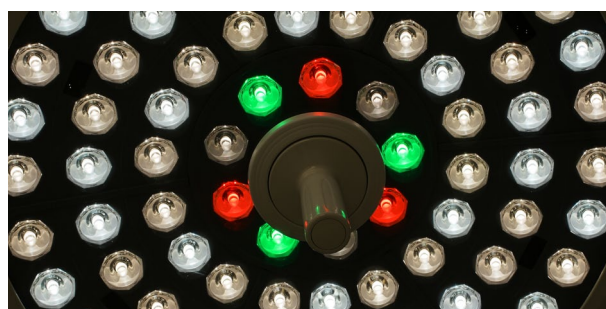
## Control panel

- 4.3-inch large LCD screen.
- Bar graph display for brightness and color temperature.
- Brightness and color temperature memory function.



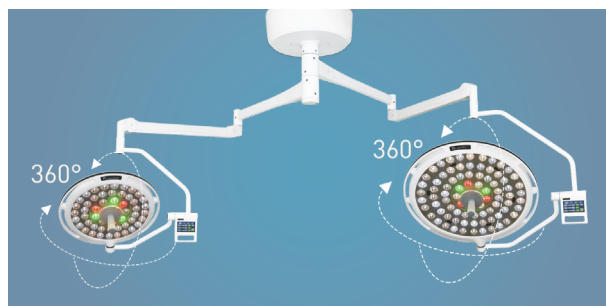
## Operating

Equipped with red and green light compensation functions to enhance the CRI (Ra), these can be turned on or off independently and combined as needed. Additionally, it offers three illumination modes: standard, low-light, and endoscopic, all switchable with a single button.



## Lamp head adjustment

The lamp head can be vertically pulled down and rotated. The lamp panel has a rotation angle of  $\geq 360$  degrees.





## **CONSTANT INNOVATION**



Design



Research



Manufacturing



Maintenance



Service

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