



Care you precisely



SK-LLY700Z

SHADOWLESS LAMP



SK-LLY700Z

FEATURES AND HIGHLIGHTS

Suitable for clinical operation lighting.
 Humanized intelligent shadow compensation: Automatically increases brightness in unblocked areas when the doctor's head obstructs part of the light, ensuring consistent illumination of the surgical field.



Technical parameters

▪ Lamp head diameter (mm):	700±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 (cm):	18-28
▪ 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
▪ LED power (W):	rated 3W, actual use 1W
▪ LED lifespan (hours):	50,000
▪ Operating voltage:	AC 100V-240V, 50Hz/60Hz

Standard configuration

- 4.3-inch full-screen touch controller
- Manual focusing module
- Red light compensation
- Green light compensation
- Standard, endoscopic, low-light illumination modes
- Motorized focusing module
- Shadow compensation
- Mutually control system
- Gesture detection

Options

- Backup battery
- Remote controller
- Wall control system
- Camera system

Material technology

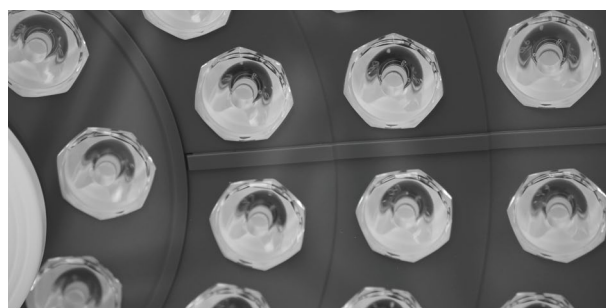
The lampshade shell is made of aluminum + integrated ABS structure design, which facilitates heat dissipation. The surface adopts the high-voltage electrostatic spraying process, and the imported environmentally friendly antibacterial plastic powder that used to ensures that the product meets the requirements of surgical hygiene.



Bulb

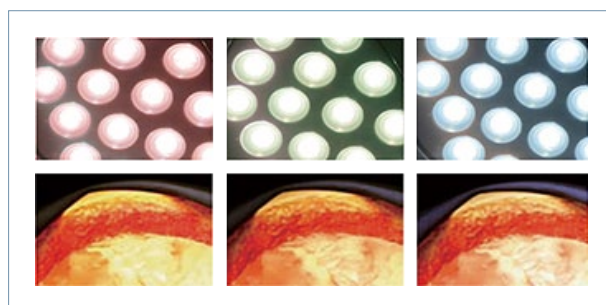
Using the original imported LED lamp beads from Osram, Germany, the average service life is as high as 50,000 hours, which is 40 times longer life than halogen lamps.

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.



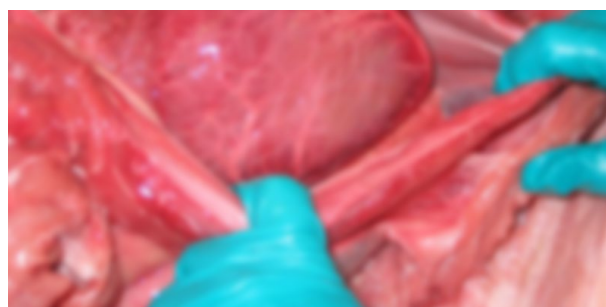
Color temperature&illumination

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.



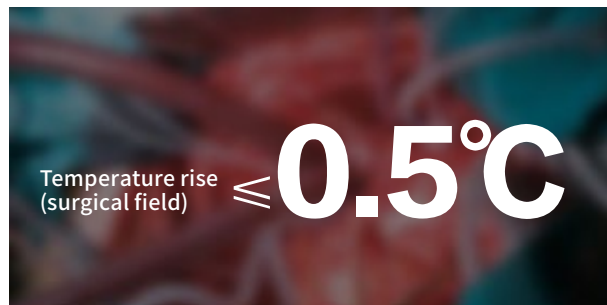
Color rendering index

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.



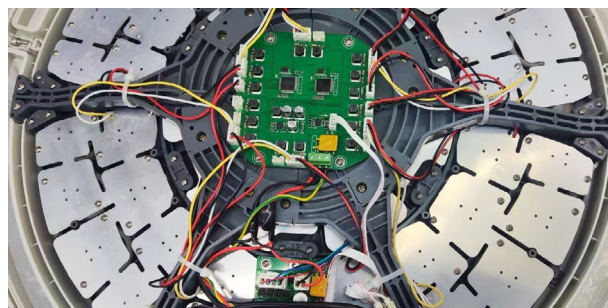
Temperature rise (surgical field)

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°C .
- Pressure resistance up to 205.8 kPa.
- Suitable for high-temperature, high-pressure steam sterilization.



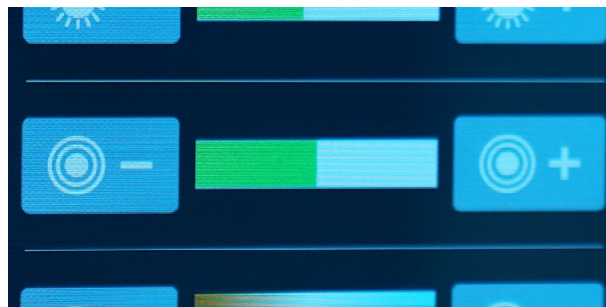
Control panel

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



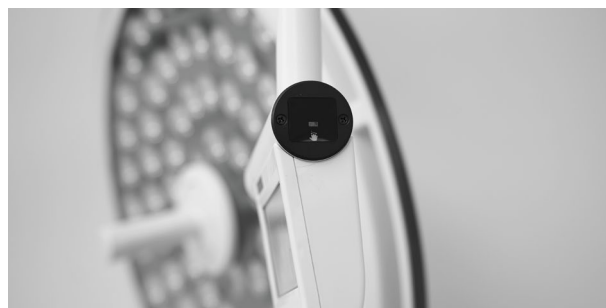
Electric focus

Focus can be adjusted manually by handle and electrically by controller.



Gesture sensing

Gesture detection via sensor.
Non-contact brightness adjustment.



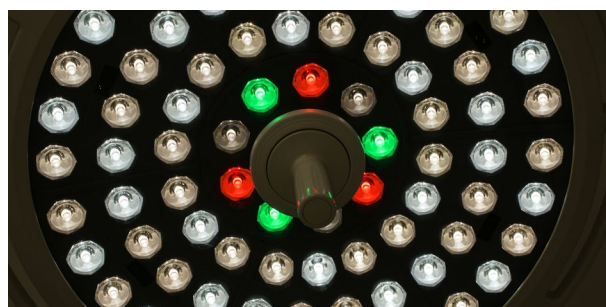
Mobile application

QR code for App download, lamp can be controlled by App.



Other functions

3 lighting models, Red light compensation, Green light compensation, Shadow compensation.






CONSTANT INNOVATION



Design



Research



Manufacturing



Maintenance



Service



WORLDWIDE BRANCHES

South America Branch

Saikang Medical Technology, Inc

W3400 Corrientes, Argentina
TEL: +55 (11) 2758-0438
Rua Universal, Hollywood,
São Bernardo do Campo,
Brazil
TEL: +55 (11) 2758-0438

East Africa Branch

Saikang Medical Technology Ltd

Mezzanine Floor, Taj Tower,
upper hill, nairobi, Kenya
TEL: +254714084806

South East Asia Branch

Saikang Medical (Philippines) Company Limited

Manila, The Philippines
TEL: +63 953 044 7864

US Branch

Healthward Technology, INC

17800 CASTLETON ST STE
180,
CITY OF INDUSTRY CA 91748
TEL: +1 (603)416-3063

Russia Branch

LLC 'SAIKANG'

454004, Russian Federation,
Chelyabinsk,
Universitetskaya
Naberezhnaya, Russia
TEL: +7 (919)300-00-06

Mid East Branch

Saikang Medical Supplies (Mid East) LLC

Musaffah
P.O Box 53200, Abu Dhabi,
UAE
Tel: +971 585710652

SAIKANG / Medical

Jiangsu Saikang Medical Equipment Co., Ltd.
STOCK CODE: 870098

📍 No. 35, Lehong Road · Zhangjiagang (Jiangsu) · China

☎️ +86 18021231901 · 🕒 24/7

✉️ export@saikangmedical.com

🌐 www.saikangmedical.com



Company video



General catalogue