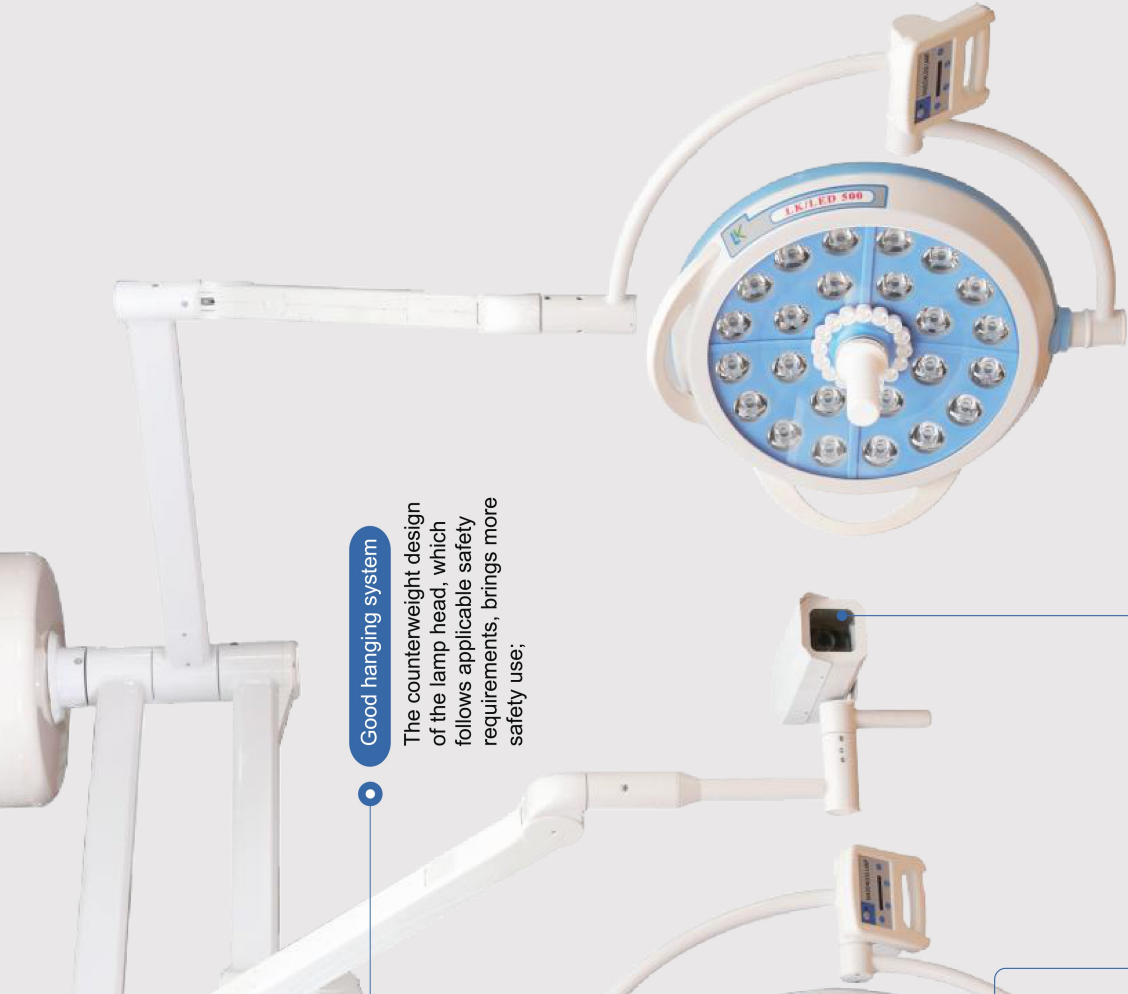




Profession creates value Health shapes future

- Product service
- SERIES OF SHADOWLESS LAMP PRODUCTS
- Operating table product series
- Pendent product series
- Ward care series



Good hanging system

The counterweight design of the lamp head, which follows applicable safety requirements, brings more safety use;

HD camera system

Several optional camera system combinations including internal and external cameras are available to meet different needs and various transfer interfaces, which are an important part of a digital operating room, are provided to facilitate remote teaching, R&D, and data archiving to perfectly create an integrated operating room system at the hospital.

Perfect lighting effect

A novel LED cold light source is used, with no UV rays and IR rays in the spectrum, no need for heating. Having a round-shaped lamp head design, it follows the illuminating principle of shadowless lamps. The light is evenly radiated at 360° and the beam is more concentrated, which meets the

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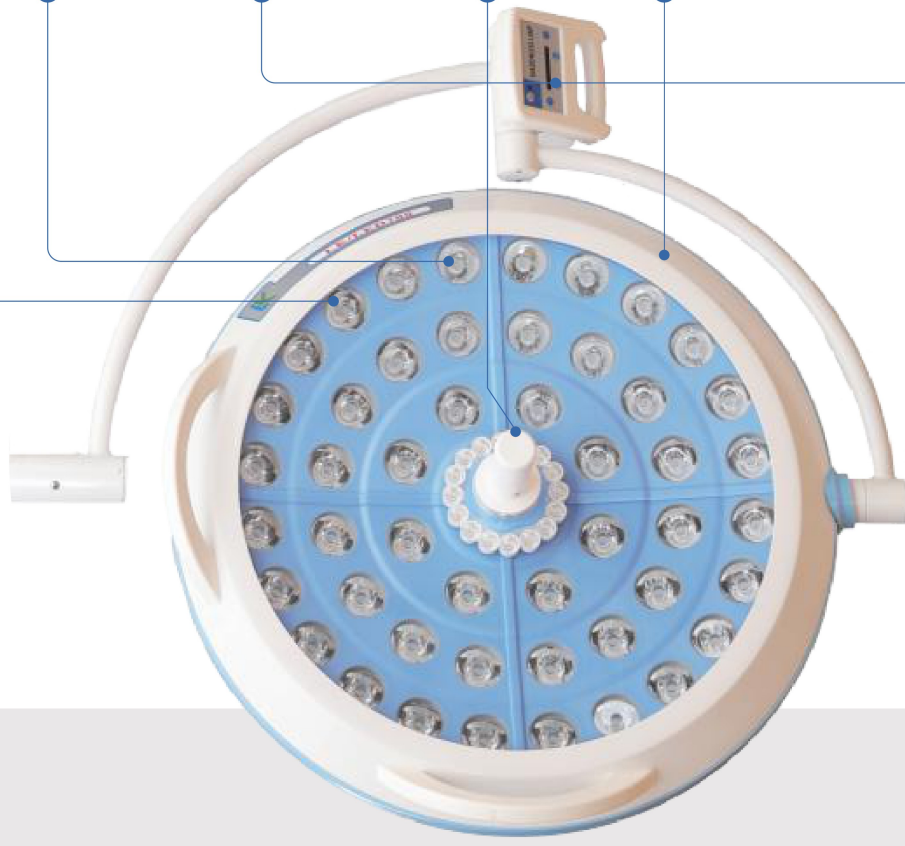
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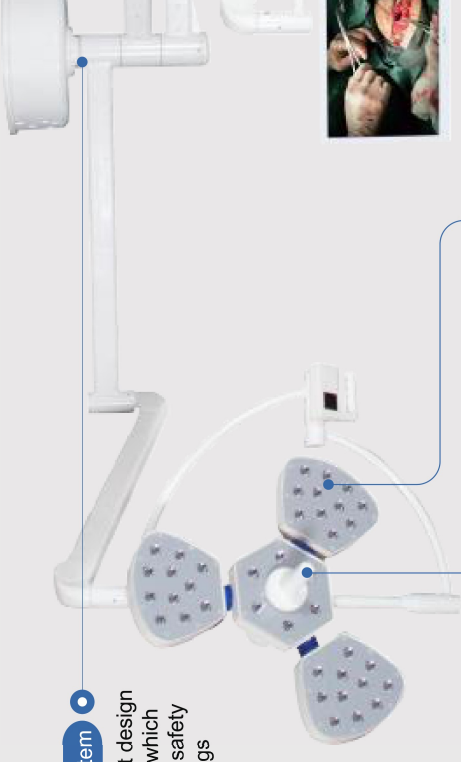
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B

LED PETALS ON SHADOWLESS LAMP

► Model CH/LED-700 / 500 (5 + 3 model)



Good hanging system

The counterweight design of the lamp head, which follows applicable safety requirements, brings more safety use

Detachable handle

Made from imported high-end medical-grade PPSU materials; the pressing and plugging in/out operations are simple and convenient; it can be sterilized at a high temperature ($\leq 160^{\circ}\text{C}$) to meet the aseptic requirements of operating rooms.

Exquisitely structured focusing system

The manual focusing technology enables simple and convenient operation and solves the technical difficulties in focusing of LED surgical shadowless lamps to realize non-grade focusing.

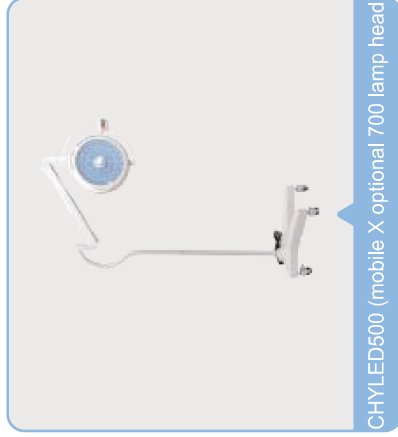
HD camera system

Several optional external cameras transfer interfaces are provided to facilitate perfectly create a

Perfect lighting effect

A novel LED cold light spectrum, no design, it follows light is evenly radiated which meets the realistic and clear

optional ceiling type double-head lamp, ceiling type single head lamp mobile and internal, external HD camera systems and a display suspen-



Diverse product portfolio

According to different needs and environments, optional ceiling type double standing mobile shadowless lamp are available and internal, external HD system can also be added.

Extra-long service life

A novel LED cold light source is used to extend the service life to up to 60,000 hours with no need to change bulbs. The LED light source is superior to traditional halogen lamps and can meet the requirements of energy saving and environmental protection.

Bright and uniform lighting

The light beams emitted by the LED light source go through a specially-designed high-performance lens and then converge on the surgical area to form a light field which meets the need of surgical lighting; the max. illuminance is up to 160,000 LUX.

Humanized interface design

The lighting brightness can be changed according to the hospital's need for different surgical lighting. Optional novel LED touch-screen LCD control panel is available for the turn-on/off and adjustment of illuminance, color temperature, and brightness.

Perfect non-shadow rate

With professional optical design and reasonable lamp bead arrangement, the LED light source is efficiently refracted by the non-impurity convergent optical lens to meet the need for lighting deep cavity tissues and to minimize the effects of the physician's body, surgical devices, etc. on the lighting.

Perfect details

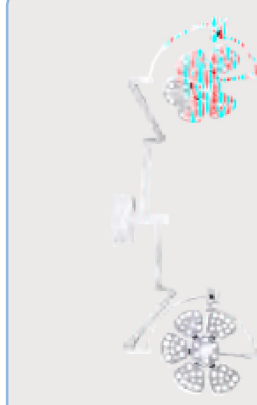
The lampshade shell is made of high-quality aluminum profile with good heat dissipation, and its surface is treated with environmentally friendly powder coating, which is corrosion-resistant, acid and base resistant and can effectively lengthen the service life of the product.

A design in line with the laminar flow requirements

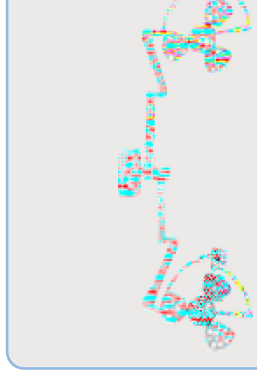
The fully enclosed and streamlined lamp head design conforms to the design principle of aerodynamics and complies with the requirements of medical air technical standards, which thoroughly eliminate the dead corners of the flow in the purified air and meet the high-standard laminar requirements in modern operating rooms.

Excellent color temperature adjustment function

The color temperature of the Model LK/LED-700/500 surgical shadowless lamp can be adjusted from 3500K to 5000K in six levels, which makes the diagnosis more accurate and will not cause eye fatigue of the medical staff due to long hours of work.
E.g.: when used for hepatobiliary surgeries, the warm white light range from 3500K to 4000K is more suitable, which can better distinguish various tissue fluids, blood and skin tissues; while for major wound surgeries such as cardiothoracic ones, the pure white light range from 4500K to 5000K can provide brighter lighting effects and will not cause eye fatigue of the medical staff even after long hours of work.



CHGLED700/700 (Model 5+5)



CHGLED-500/500 (Model 5)



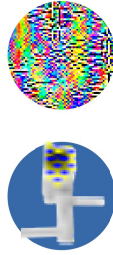
CHGLED500/700 (Model 3+5)



CHGLED500 (Model 3)



CHYLED700 (Model 5)
mobile shadowless lamp



HD camera system

Several optional camera system combinations including internal and external cameras are available to meet different needs and various transfer interfaces, which are an important part of a digital operating room. are provided to facilitate remote teaching, R&D, and data archiving to perfectly create an integrated operating room system at the hospital.

High temperature resistant detachable handle

Made by imported high-end medical-grade PPSU materials; the pressing and plugging in/out operations are simple and convenient; it can be sterilized at a high temperature ($\leq 160^{\circ}\text{C}$) to meet the aseptic requirements of operating rooms.

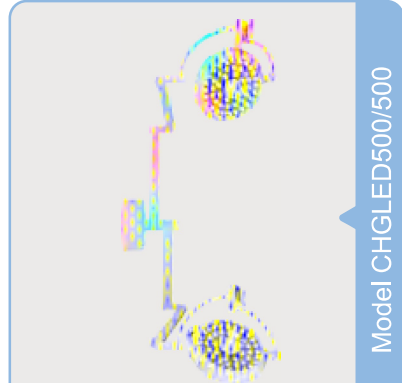


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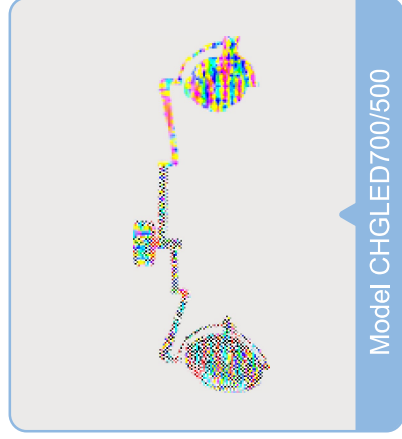
INTEGRAL REFLECTION SHADOWLESS LAMP

► Model CHIZF-700/500

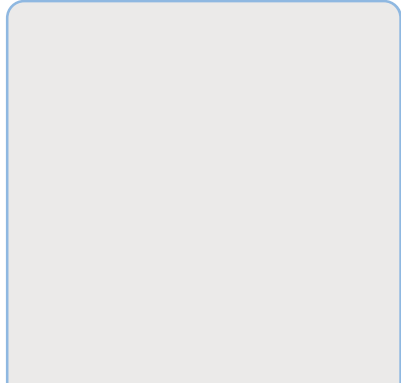
s, optional ceiling type double-head lamp, ceiling type single head lamp available and internal, external HD camera systems and a display suspen-



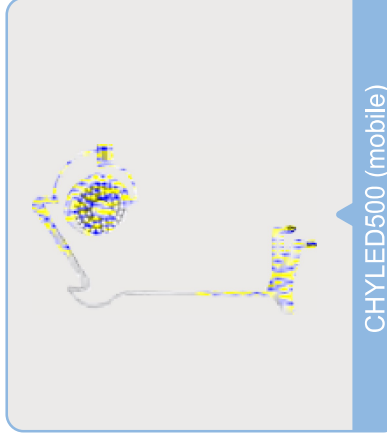
Model CHGLED500/500



Model CHGLED700/500



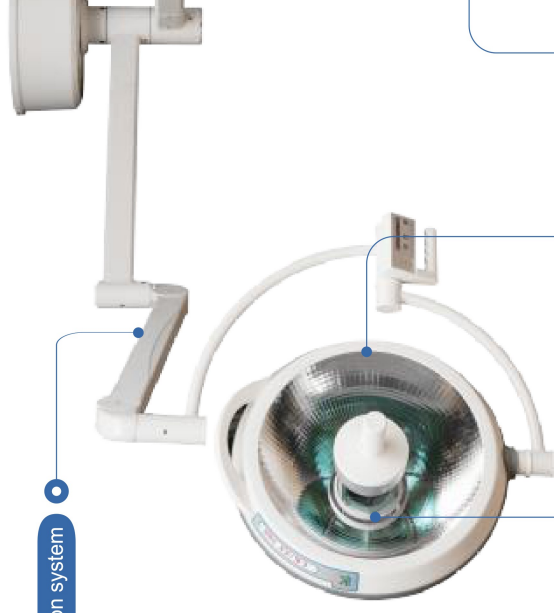
CHYLED700 (mobile)



CHYLED500 (mobile)

Professional balance and suspension system

Six sets of universal joints are linked to enable light and 360° all-direction movement with accurate positioning to meet the needs of different heights and angles during surgery.



Good lighting effect

An imported blob lighting system with a service life of more than 1,000 hours is adopted, which has backup blobs for automatic switching: when the main lamp fails, the auxiliary lamp will automatically light up within 0.2 seconds.

Perfect lighting depth

The classic multi-prism mirror reflection system converges the beams into a stable, high-brightness light column to ensure a soft and even deep beam-converging effect, to meet surgical lighting requirements.



Accurate color tem

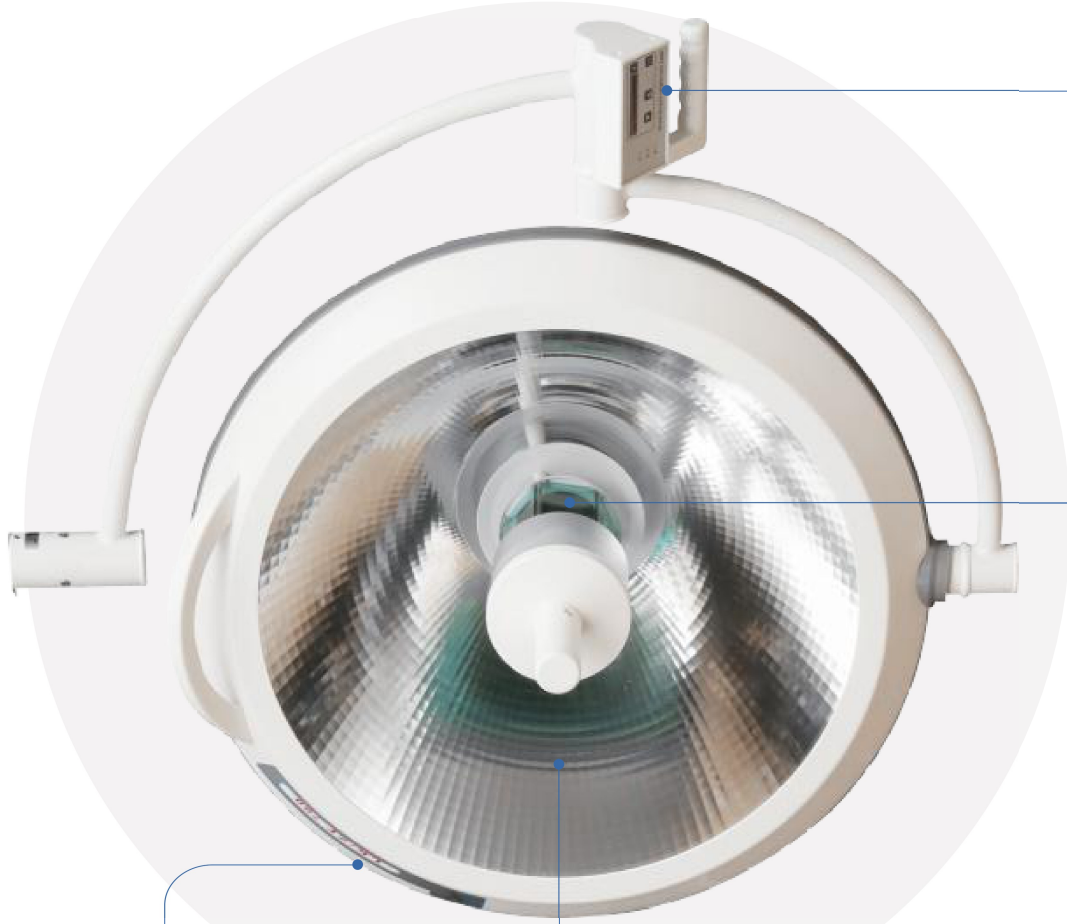
The advanced coat meticulous optical temperature of the to the standard day possible.

Traditional reflector

The high-emission illuminance of the long-term effective multi-prism mirror h surfaces.

Diverse product portfolio

According to different needs and environments, optional ceiling type down and standing mobile shadowless lamp are available and internal, external system can also be added.



Simple control module

Microcomputer digital control, eight continuously adjustable brightness options, illumination memory function and wide voltage working characteristic. It keeps stable work in the AC180V-250V range of mains supply and has strong anti-interference ability.

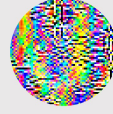


Good hanging system

Lightweight high-quality suspension system with balance arm (optional imported arm); six sets of universal joints are linked to enable light and 360° all-direction movement with accurate positioning to meet the needs of different heights, angles and positions during surgery.



Model CHGLEDT00500 (fixed focus)



HD camera system

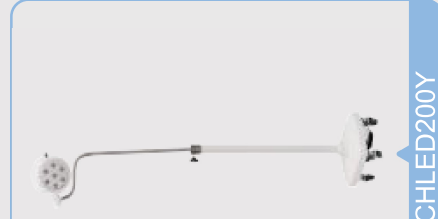
Several optional camera system combinations including internal and external cameras are available to meet different needs and various transfer interfaces, which are an important part of a digital operating room, are provided to facilitate remote teaching, R&D, and data archiving to perfectly create an integrated operating room system at the hospital.

Extremely low fault rate

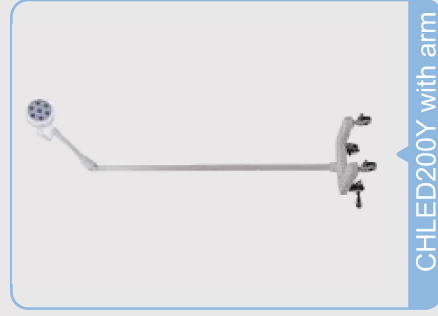
Each LED module contains 6-1 LED beads. Since each module has an independent electronic control system, the fault rate of the lamp head is very low and the fault of a single LED won't affect the functions of the lamp head.

Diverse product portfolio

According to different needs and environments, optional ceiling type double-head lamp, ceiling type single head lamp and standing mobile shadowless lamp are available and internal, external HD camera systems and a display suspension system can also be added.



CHLED200Y



CHLED200Y with arm



CHGED200