

### Single Head Ceiling Mounted Hospital Equipment LED Shadowless Operating/Surgery Light

Ceiling Style Surgical Shadowless LED lamp does not release infrared rays, which occurs heat, and prevents tissue drying caused by heat providing a pleasant operating environment. (less than 1 degree of heat above operator's head). It is an ECO-Friendly System which uses only 40% of electricity compared to Halogen lamp.

Model NO.	YDE700/500K
LED Quantity	44PCS
CRI	95ra
Power Supply	90-240V
Model No	Yde700/500K
Specification	700mm/700mm
Origin	Shandong
Production Capacity	1000 Sets Per Month
Focus	Manual
Illuminance	160,000lux
Light Depth	1400mm
Guaranty	1 Year
Transport Package	Standard Wooden Carton
Trademark	MT-Medical
HS Code	9405409000

#### Products Description:

- Utilising the most advanced LED technology available.
- The new, slim, fully enclosed head with colour touchscreen digital controls is a perfect LED lighting solution complementing all surgical rooms.
- LEDs (light emitting diodes) have been around for a long time. Recently this technology has become leading-edge in the field of lighting - a breakthrough technological solution to the inherent problems of the incandescent light bulb.
- We have taken the technology and developed it further to provide high definition lighting solutions with no infrared, low environmental impact, high brightness, low power consumption, no toxic chemicals and a long operating life.
- Full close streamline lamp body design completely meets the demand of the sterilization and high standard of laminar flow purification in the operation room. Curve and slippery surface prevents deposition of dust very well, conveniently purified air reaching the surgery surface of wound smoothly.
- The lamp-chimney is made of aluminum alloy, ultrathin and streamlined shape reduces the air drag, the thickest part of lamp-chimney is not more than 18cm.
- The main light uses more than 300pcs independent LED illuminant (lamp cup one main and six vice's structure), divided into multiple independent illuminant groups; vice light uses more than 200pcs independent LED illuminant (lamp cup one main and six vice's structure), divided into multiple independent illuminant groups; every lamp uses double CPU control,

every group of LED illuminant controlled by special circuit chip, any group failure will not affect the normal use of shadowless light .

- Use international advanced warm white LED as shadowless illuminant, environmental, lower energy consumption LED bulb, bulb life: ≥80000 hours
- LED do not engender infrared ray and ultraviolet radiation, it doesn't have the temperature rise and tissue damage caused by halogen shadowless light, can accelerate the wound healing after surgery, and has no Radiation pollution
- Adopt restrain interference design of electromagnetic wave, avoid disturb with the other equipment in operating room
- Use satlite oval swing pipe design, can install 4 cantilever devices in complex operating room, also can be reserved per hospital's request, convenient to upgrade and provide the perfect solution for the increasing multi-media request of hospital
- Balanced system using imported German Ondal arm module, more than 5 group universal joints, every cantilever must has more than 3 joints which can be rotated in 360°, equipped with fatigue correcting unit and fix position hand handle device, easy to fix position after long time use

**Parameters Details:**

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Diameters	700mm	700mm
Illuminance	160000 Lux	160000 Lux
Color temperature	3600-5500K (±500K)	
Color rendering index	≥95Ra	≥95Ra
R9:95 R13:92		
Power of bulb(W)	1W*44pcs	1W*44pcs
50% Spot diameter d50(mm)	150	150
10% Spot diameter d10(mm)	280	280
Depth of Illuminance (cm)	140	140
The adjusting range of illuminance	25-100%	
Focus system	Electric/ manual/ fixed	
Voltage	90V-240VAC	90V-240VAC
Frequency	50Hz	50Hz
Min installation height	2800mm	
LED service life	100,000 hours	
The temperature on surgeon's is less than 1°C		
Camera system	Optional	
Battery	Optional	



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