



Multi LEDS optical focusing technology  
 Multi LEDS light source design with  
 more than 110 light sources  
 Light source area up to 4000 cm<sup>2</sup>  
 Excellent shadowless effect

Technical Specifications	OL9680
Diameter of lights (mm)	800
Illumination at 1 m (Lux)	40,000 - 160,000
Ambient light intensity (Lux)	≥ 30
Color temperature (K)	3000 - 5700
Light field diameter (D10, mm)	160 - 500 ± 20
Color rendering Index (Ra)	98
Color rendering Index (R9)	98
Color rendering Index (R13)	98
Color rendering Index (R15)	98
Depth of illumination L1 + L2 (20%, mm)	1,500 ± 20%
Depth of illumination L1 + L2 (60%, mm)	600 ± 20%
Number of LED bulbs	114
Service life of LED bulbs (h)	≥ 70,000
Dimming range	10 level (25%-100%)
Temperature rise in the surgical area surface (°C)	1.5 ± 0.5
Temperature rise in the area of the surgeon's head (°C)	1.0 ± 0.5
Minimum mounting height (mm)	2,800
Optional functions	Adjustable color temperature /Adjustable light field diameter/ Central built-in camera / Camera recording system / UPS system



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Purelit OL9600  
 Series LED Surgical Lights





#### Intelligent Lighting Compensation

When the surgeon's head blocks the light, the light sources of this area will be turned off automatically, while the other area will enhance the lighting as compensation.

It not only gives more comfort to surgeons during operation, but also greatly reduces the impact of the surgeon's head on the surgical field lighting.

#### Wide Range of Spot Diameter

Stepless adjustment on spot diameter from 160mm to 500mm. Except for general surgery, it also meets the requirements of large area debridement surgery. The spotlight and floodlight parts are well integrated, generating a soft transition section at the edge of the spotlight.



#### Endoscopy-assisted lighting

Endoscopic auxiliary lights can help doctors refresh the red in vision, maintain the sensitivity of the eye to red, and reduce the impact of long-term red surgical field on vision

#### Customized Surgical Modes

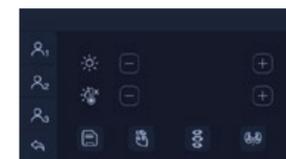
There are 3 preset surgical lighting modes (spinal surgery, cardiac surgery, urological surgery).

Surgeons can also set their parameters according to different surgeries, and save it to call whenever needed again.

#### Excellent Deep Cavity Lighting

With a lighting depth of up to 1500 mm, surgical procedures may be performed in a greater lighting range without often adjusting the surgical lamp's height owing to insufficient brightness.

Control panel



#### Superior Color Rendering Index

Color rendering index up to 98 helps surgeons to distinguish the color and layer of tissues clearly and accurately.

#### Adjustable Color Temperature

Color temperature is from 3,000K to 5,700K and it can be adjusted according to different surgical sites to achieve the ideal contrast, so that doctors can distinguish the subtle difference of tissues.

#### Antibacterial Coating

With nano silver antibacterial coating, it is effective against E.coli and S.aureus, and the antibacterial rate is up to 99.9%.

#### Digital Solutions for Operating Room

The central or external HD camera can be installed together with the monitor, various video transmission interfaces can be provided and access to the digital operating room system of the hospital for video transmission and storage, which is convenient for remote consultation and scientific research and teaching.

