



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 160 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.

Unique Endoscopic Lighting

Green ambient light during endoscopic surgery, enhances the sensitivity of human eyes to light under darkness and reduces glare and optical illusion.



Customized Surgical Modes

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

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

Excellent Deep Cavity Lighting

Illumination depth up to 1,500 mm. Excellent deep cavity lighting ensures the best field illumination for deep cavity surgery.

Wall control



Control panel



Spinal Surgery

Cardiac Surgery

Urological Surgery



Superior Color Rendering Index

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

Adjustable Color Temperature

Color temperature from 3,000K to 5,700K , the optimal color temperature 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.





Multi-lens optical focusing technology
Multi-lens light source design with
more than 110 light sources
Light source area up to 4000 cm²
Excellent shadowless effect

Technical Specifications	OL9680
Diameter of lights (mm)	800
Illumination at 1 m (Lux)	160,000
Ambient light intensity (Lux)	30
The quantity of bulbs	114
Depth of illumination (mm)20%	≥1,500
Depth of illumination (mm)60%	≥600
Light field diameter (d10 mm)	160-500 stepless adjustment
Color temperature (K)	3,000-5,700
Color rendering index (Ra,%)	98%
Color rendering index (R9,%)	98%
Estimated LED service life (h)	≥70,000
Dimming range	10 level (25%-100%)
Minimum mounting height (mm)	2,8 00
Temperature rise in the surgical area surface (°C)	1.5±0.5
Temperature rise in the area of the surgeon's head (°C)	1±0.5



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CE
Purelit OL9600
Series LED Surgical Lights

