

Technical Specifications	OL9570	OL9550
Diameter of lights (mm)	700	500
Illumination at 1 m (Lux)	40,000-160,000	40,000-160,000
Ambient light intensity (Lux)	≤500	≤500
Color temperature (K)	Standard: 4,500 Optional: 3,000-6,000	Standard: 4,500 Optional: 3,000-6,000
Light field diameter (D10, mm)	Standard: 360 Optional: 160-360	Standard: 260 Optional: 160-260
Color rendering Index (Ra)	98	98
Color rendering Index (R9)	98	98
Color rendering Index (R13)	98	98
Color rendering Index (R15)	98	98
Depth of illumination L1 + L2 (20%)	1,950±25%	1,650±25%
Depth of illumination L1 + L2 (60%)	1,050±25%	850±25%
Number of LED bulbs	150	70
Service life of LED bulbs	≥70,000	≥70,000
Dimming range	10 level (25%-100%)	10 level (25%-100%)
Minimum mounting height (mm)	2,800	2,800
Optional functions	Central built-in camera/Camera recording system/UPS system Adjustable color temperature/ Adjustable light field diameter	



## Purelit OL9500 Series LED Surgical Lights



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The Purelit OL9500 is an advanced surgical light that fulfills the needs of high-end users.

- 15 patents obtained
- Received Red Star Design Award 2010
- High-tech Produce Star by Beijing Government in 2013

# Purelit OL9500

## Features

### Clearness

The adjustable color temperature, improved color rendering index, and wide-range light spot ensure a clearer visualization of the surgical field.

### Convenience

The incorporation of an integrated control panel and multifunctional handle facilitates the adjustment of surgical light parameters.

### Durability

The 70,000-hour service life of LEDs proves the cost-effectiveness of Purelit OL9500.

### Sterilization

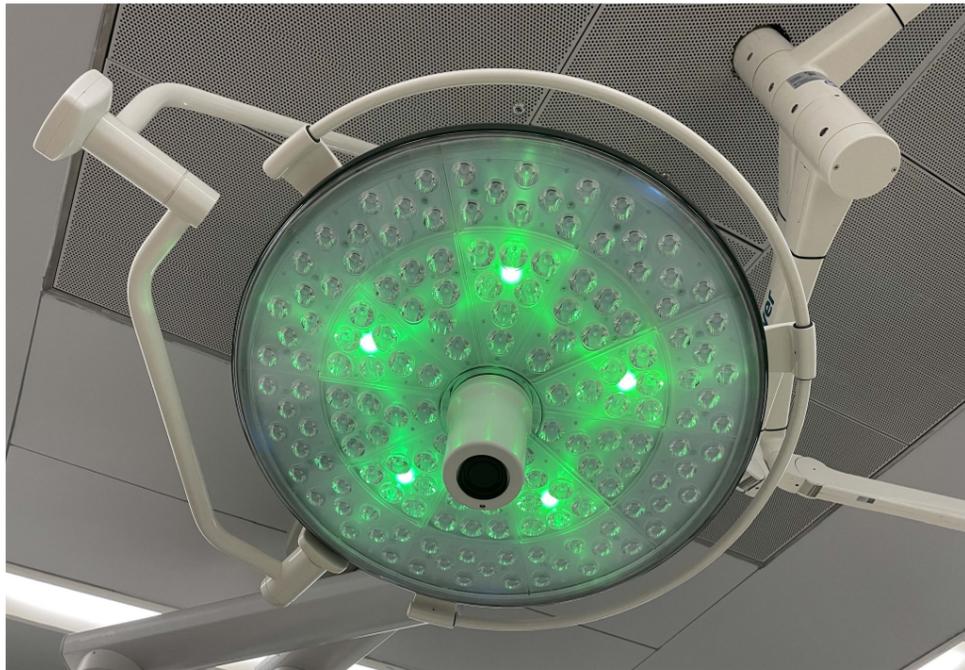
Optimized shape and antimicrobial coating meet the needs of sterilization management.

### Safety

Modularized circuit management ensures each part works independently, which provides a strong backup for consistent illumination and ensures patients' safety.

### Adaptability

High-definition video solutions meet the needs of modern digital ORs.



### Clearness

OL9570 has 160 LEDs. OL9550 has 80 LEDs. This layout ensures an even and full illumination with no dim spots.

The multi-lens structure delivers light spot with a diameter up to 360mm and a depth of illumination up to 1950mm. Tunable color temperature guarantees a clearer view of the surgical site during surgical procedures. Enhanced color rendering index assists the surgeon to distinguish the different blood vessels during surgery. Wide-range light spot makes it suitable for various size and shape incisions and also provides an effective way to reduce the glare from the area around the surgical field and prevent surgeons from eye strain.



160mm



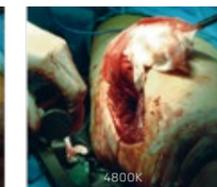
360mm



3800K



4300K



4800K



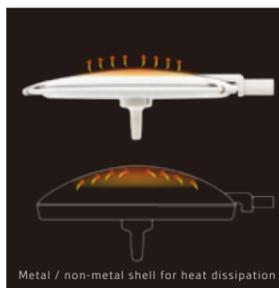
### Convenience

With a patented adjustment electronic program, Purelit OL9500 shows consistent performance. The integrated control panel with an advanced microprocessor allows 10-level adjustment of the parameters. The multifunctional handle provides another convenient way to adjust brightness, color temperature, and spot size.



### Durability

The aluminum alloy shell of the light head provides good heat dissipation for surgical lamps which ensures long-term stable operation. With a service life of up to 70,000 hours, the OL9500 is a cost-effective surgical lamp of choice in the OR.



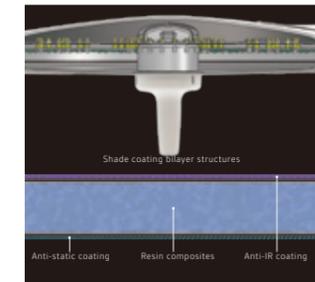
### Safety

The OL9570 model is equipped with 160 LEDs, organized into 20 distinct modules, while the OL9550 features 80 LEDs distributed across 10 separate modules. The modular circuit management system guarantees that each component operates independently, thereby providing robust support for consistent illumination and ensuring patient safety.



### Sterilization

The ultra-thin and streamlined light head contributes to low airflow resistance. It keeps air circulating above the surgical wound area and reduces the risk of surgical site infection caused by falling airborne bacteria. The anti-static coating of the light screen prevents dust and floating particles from leaving on the surface, which makes it easy to clean. The sterilizable handle is capable of withstanding sterilization at a temperature of 134 °C.



### Adaptability

The Purelit OL9500 also offers high-definition video solutions for recording surgical procedures, transmitting videos for remote consultations, and providing video-based teaching. It effectively caters to the requirements of modern digital operating rooms.



2,000,000 pixels camera system (Optional)



High definition screen (Optional)

### Technical Specifications

Video Camera	High Definition (HD)
Signal System	1080p
Effective number of pixels	2.13 Megapixel
Optical zoom	≥30x
Digital zoom	12x
Focal length (mm/inch)	f = 4.3 mm (wide) to 129.0 mm (tele) F1.6 to F4.7
Video signal outputs	HD: Digital: Y/Cb/Cr 4:2:2 via LVDS (Signal format conforms to SMPTE 274/SMPTE296.) SD: VBS