

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 150 LEDs. OL9550 has 70 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 varial 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

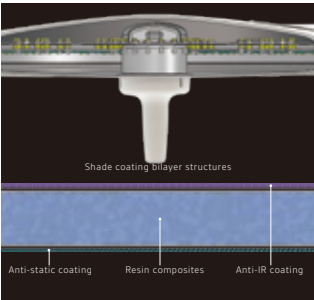


360mm



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



High definition screen

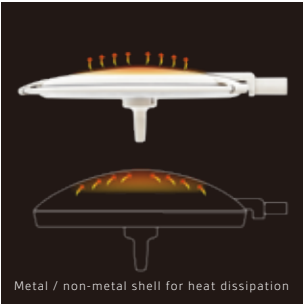
Convenience

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

OL9570 has 150 LEDs which are divided into 20 modules. OL9550 has 70 LEDs which are separated into 10 modules. Modularized circuit management ensures each part works independently, which provides a strong backup for consistent illumination and ensures patients' safety.

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