



Surgical Lamp
GLEAM

Precision starts with visibility.



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+1 786 266-7795

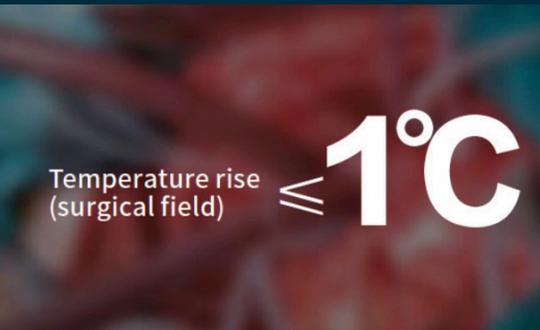


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hosmed-inc.com



High-Performance Surgical Illumination System

Equipped with a one-touch Endoscopy mode, allowing for seamless switching between standard surgical lighting and specialized ambient lighting for minimally invasive procedures."



Temperature rise (surgical field)

$\leq 1^{\circ}\text{C}$



Operating handle

The centrally mounted sterilization handle is fully detachable and engineered to withstand temperatures exceeding 134°C and pressures of at least 205.8 kPa. This allows for convenient and reliable high-temperature, high-pressure steam autoclaving.



Color rendering index

With a Color Rendering Index (CRI) ranging from 85 to 98, this system provides exceptional color fidelity, accurately representing the true appearance of human tissue. This precision is ideal for a wide variety of surgical procedures and significantly reduces eye strain for medical staff during extended operations."

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Feature and Highlights

Technical parameters



• Diameter of lighthouse(mm):	700 / 700
• Illumination at 1m(Lux):	180000/180000
• Brightness control range:	0-100% stepless adjustment
• Color Temperature(Kelvin):	3700-5000
• Color Rendering Index(CRI):	≥95
• Temperature rise(Surgeon head)(°C):	≤1
• Temperature rise(Surgical field)(°C):	≤1
• Total Irradiance E(W/m ²):	≤600 + 600
• Lighting Spot Size(cm):	16-28
• L1+L2 depth of illumination(cm):	≥130
• Bulb Type:	LED
• Bulb Brand:	OSRAM
• Bulb Quantity:	80 + 80
• Bulb Power(w):	1
• Average Bulb Life(hours):	≥80000
• Endo light for minimal surgery	
• Synchronize control of combined lamp (Double Dome)	



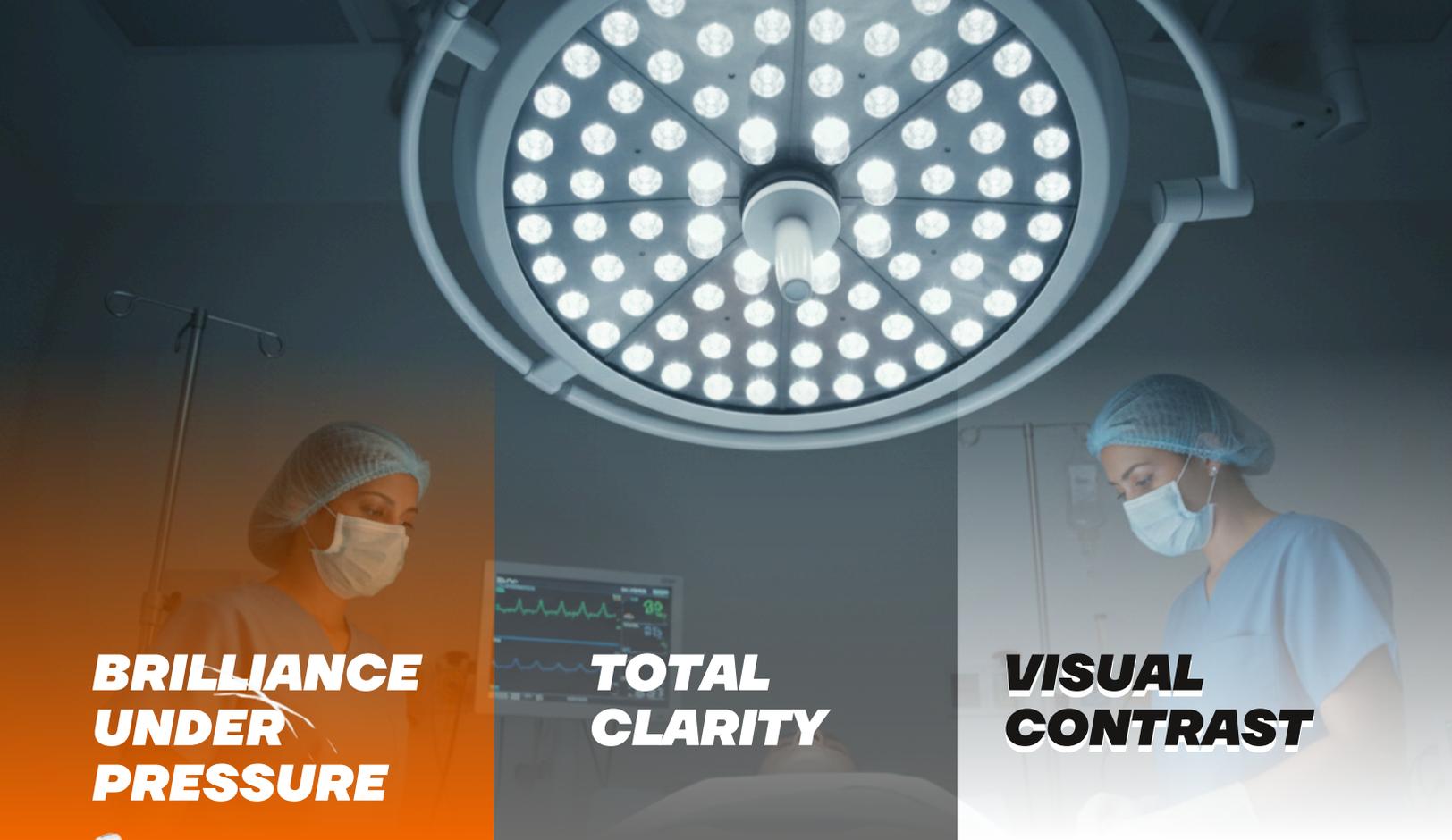
Material technology

The lamp housing is crafted from high-grade aluminum alloy with a high-voltage electrostatic spray finish. We utilize premium, eco-friendly antibacterial powder coatings to ensure the product strictly adheres to surgical hygiene standards."



Bulb

Utilizing original German-imported Osram LED beads, the system achieves a rated lifespan of 80,000 hours, outlasting halogen lamps by a factor of 40. Furthermore, the LEDs are highly energy-efficient, requiring just 10% of the power used by incandescent bulbs and 50% of that used by halogen lamps to maintain the same illuminance."



**BRILLIANCE
UNDER
PRESSURE**

**TOTAL
CLARITY**

**VISUAL
CONTRAST**



How Hosmed Inc. is Eliminating Shadows and Enhancing Precision with GLEAM.

In the high-stakes environment of the operating room, the margin for error is non-existent. Surgeons rely on their skills, their team, and—perhaps most critically—their vision. If you can't see it, you can't treat it. This is the philosophy behind the GLEAM Surgical Lamp series by Hosmed Inc.

For years, surgical lighting faced a trade-off: intensity versus heat. High-visibility often meant uncomfortable temperatures for the surgical team. Hosmed Inc. has shattered this compromise. By utilizing advanced cold-LED technology, GLEAM provides a powerful, concentrated light beam that remains cool to the touch, even during grueling multi-hour procedures.

But GLEAM is about more than just brightness; it's about Color Fidelity. With a high Color Rendering Index (CRI), these lamps allow surgeons to distinguish between tissue types and vascular structures with lifelike accuracy. Combined with an aerodynamic design that minimizes turbulence in laminar flow theaters, GLEAM isn't just a lamp—it's a vital organ of the modern surgical suite.

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**THE FUTURE
OF PRECISION**





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