



Surgical Headlight



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R1 Surgical headlight is a high-performance illumination solution designed for various applications like ENT, Spine Surgery, Dental and others, featuring a high-intensity LED for optimal brightness and accurate color rendering. Its lightweight and wireless design ensures user comfort during procedures, complemented by a detachable long-lasting battery. The inclusion of rear cranial support further enhances stability and comfort for prolonged use.



Attach Loupes



High Power LED



Detachable Battery with
USB Charger



Designed to feel light

Weight is distributed evenly across the head, preventing concentrated pressure points. This balanced approach makes the headlamp feel significantly lighter, enhancing comfort and allowing surgeons to maintain focus and precision during long procedures.



Adjustable Intensity



Efficient heat management

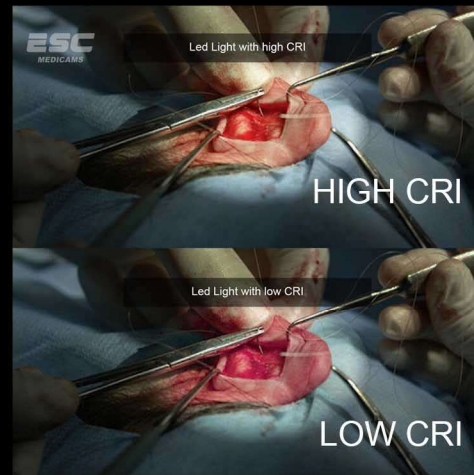


Flexible Headband



Rear Cranial Support

Minimized pressure points to enhance stability and prevent unwanted movement. Ergonomic adjustable headband with thick cushion.



Accurate Colors

With a high Color Rendering Index (CRI) and 5000k Temperature, our LEDs replicate natural light, allowing objects and skin tones to appear as they truly are.

Specifications

- Led Power : 11.8 Watts
- Intensity : Max 1,00,000 Lux
- Battery Life : 6 Hours (3+3) with dual battery; 3 Hours in single battery
- Color Temperature: 4,500° K for accurate color representation of tissue
- Typical LED life: > 50,000 hours
- Variable intensity control: 0 to 1,00,000 LUX
- Battery Recharge time 3.5 hours
- Adjustable light intensity
- Specialised PU Memory foam.
- Adjustable Spot Diameter
- Max. Diameter of light spot : 14.5 inches (Measured at 18" working distance)
- Min. Diameter of light spot : 1.5 inches (Measured at 18" working distance)
- Charger Output : DC 5 Volt
- Charger Input : AC 110 ~ 250V (Extension Plug provided for US and EU)
- Charging cable with Battery indicator.
- Weight : 350 grams (Evenly distributed to reduce pressure points)

Loupes

- Magnification : 3.5x / 2.5x
- Detachable : Yes
- Working distance : 280-320mm for 3.5x / 420-450mm for 2.5x