

Acota

Acota OR Series

AcotaLED_{LED} Surgical Light



AcotaLED LED Surgical Light

As an innovator and a pioneer in modern shadowless operation light industry, Acota incorporates LED (light Emitting Diode) and Beam Sharper technologies into product development. Acota has a comprehensive understanding of operation room, and can therefore offer better LED surgical lights, which are comfort and cost-saving.

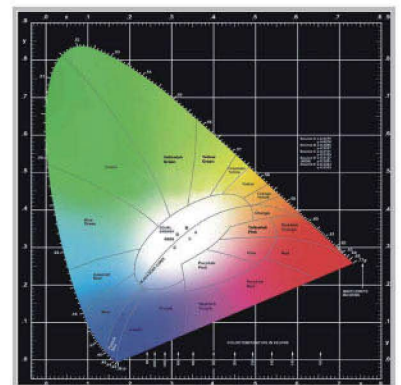


Optical Efficiency

Optimized white LEDs cover the entire visible colour spectrum required for demanding surgeries.

Hollowing Design

Unique hollowing design, clean air can reach the surgical field directly, fulfill the purification effect of laminar flow.



Low Temperature

Almost no infrared and ultraviolet spectra, low temperature in surgical field after long-lasting operation.

Streamlining Surfaces

Follow the "Teardrop" shape from the international wind resistance standards, Acota-LED L8 series is highly expressive with integrated aesthetic and technological factors effectively, to reduce turbulence and resistance of the light.



Beam Shaper Technology

Independent Condenser Combination for each LED bulb, to control the LED light precisely, eliminate glare while ensuring maximum output by the double reflection system.

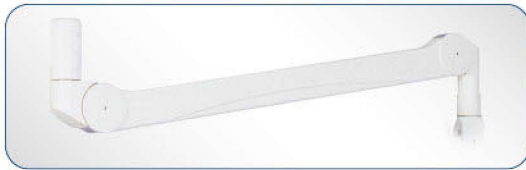
Adjustable Facula Size and Optical Focal Depth

Adjustable focus handle controls projection angle of LED light, and adjusts facula size and optical focal depth easily.



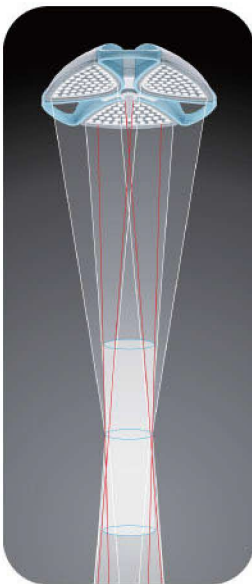
Environmental Friendly

The light is stimulated by light-emitting diode, heavy metals free, without pollution to environment.



Suspension System

Universal 6-joint spring suspension system with full and accurate positioning without drifting.



Bulb

Average life span is up to 50,000 hours or more.

Traditional Lamp

Comparing to disk-shaped design of the traditional lamp, the triangular shape reduces hindering area by 30%, improve the purification effectively.



Light Intensity

Great optical performance, the luminance ranges form 130,000~160,000Lx easily.



Circuit

Long-life and stability circuit supports multi-level dimming

Camera System

For convenience of different customers, there are 3 choices of high sensitive and definition and interference-resistant digital camera systems: built-in, arm-mounted and wall-mounted.



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Technical Specifications

Type	AcotaLED-8080	AcotaLED-8000
Luminance (Lux)	Ec: (130000Lx~160000Lx) × 2	Ec: 130000Lx~160000Lx
Color Temperature (Kelvin)	5100K±300K	5100K±300K
Light Field Diameter (mm)	d ₁₀ : ≥ 160; d ₅₀ : ≥ 50% × d ₁₀	d ₁₀ : ≥ 160; d ₅₀ : ≥ 50% × d ₁₀
Focusing Depth (mm)	≥ 800	≥ 800
Color Rendering Index (Ra)	95±5	95±5
Total Irradiance	Ee: ≤ 1000W/m ² Ee/Ec ≤ 6mW/m ²	
Power Supply	AC 220~230V/50~60Hz, 110V/60Hz	
Rated Current	0.68A+0.68A	0.68A
Rated Power	150VA+150VA	150VA
Power of LED Bulb	(1W high-power LED bulb) ×150 pcs ×2	(1W high-power LED bulb) ×150 pcs
Voltage of LED Bulb	Vf: DC 3.2V	Vf: DC 3.2V
Standard Installation Height* (mm)	2900~3100	2900~3100
Carrying capacity for OR ceiling(Kg)	≥ 500	≥ 500
Weight(Kg)	100	57

* Optional installation height may require special suspension arm or extra accessories.

Acota OR Series Surgery Shadowless Lamp



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