



## VeLED Series

LED Surgical / Examination Lights

Steel may hold the scalpel  
but light holds the soul





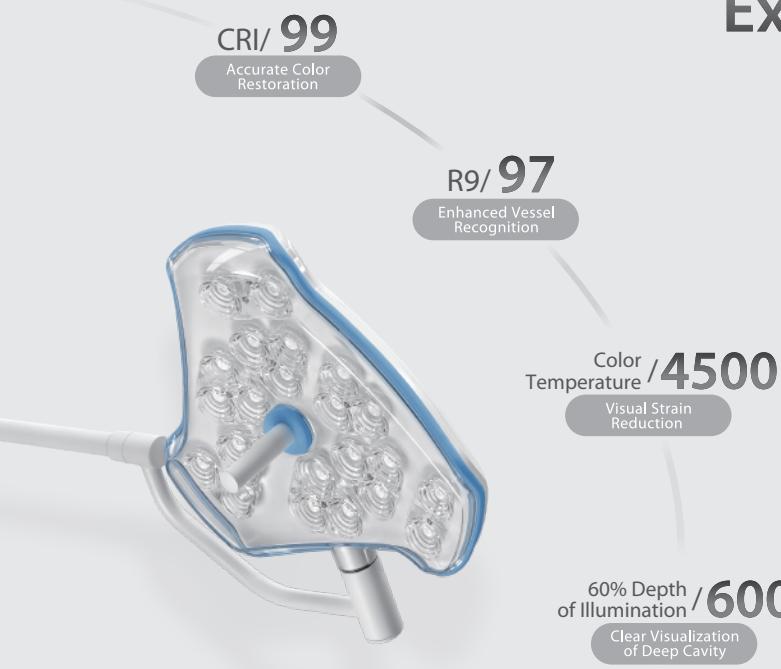
## Excellence in illuminating clinical care begins with precision at the millimeter level

### An Ideal Surgical Light:

- **Accurately reproduces the natural colors and subtle differences in tissue**, enabling veterinarians to make precise clinical decisions and perform safe, meticulous procedures.
- **Provides homogeneity and stable illumination**, reduces the need for frequent light adjustments that may interfere with surgical workflow.
- **Reduces eye fatigue**, promoting surgeons' eye health to assist in focused and composed high-intensity cases.
- **Adjusts brightness transitions in accordance with visual physiology**, reducing discomfort in animals caused by sudden exposure to intense light.



# Exceptional Illumination Eye-friendly Comfort



## High Performance & Low Fatigue

Superior color rendering and illumination performance  
Reduces visual fatigue during prolonged surgical procedures

### Multi-patch Superposition Technology (MPST)

- Delivers consistently uniform and circular light across the surgical field
- Maintains stable illumination even when part of the light source is obstructed

### Electronic Focusing

- Inner and outer ring beams converge at 0.8–1.2 m without dispersion
- Reduces need for frequent light adjustments, allowing surgeons to stay focused on procedures

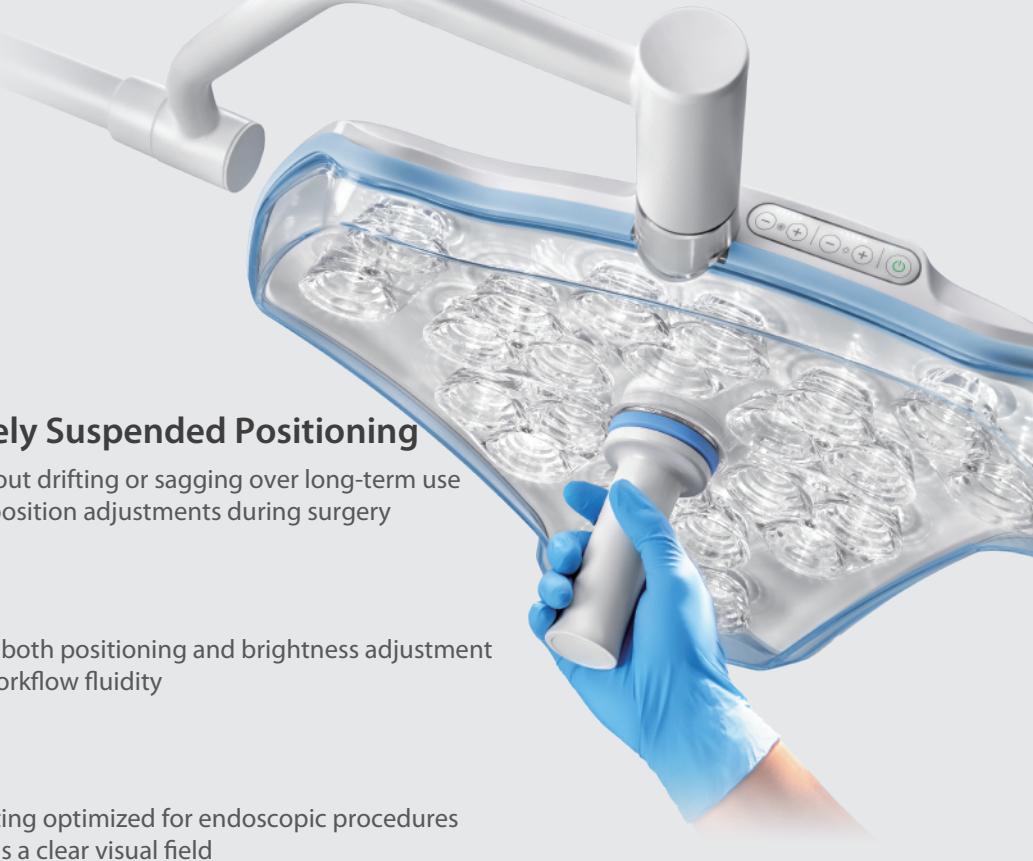


### Soft Start & Gentle Lighting

- Minimizes visual fatigue caused by sudden brightness changes
- Reduces stress responses in animals during exams

### Adjustable Light Field Diameter

- Light field diameter adjustable from 170 to 250mm
- Designed to suit a wide range of surgical cases - from fine incisions to broad operative fields



## Stable Articulation & Freely Suspended Positioning

- Maintains precise positioning without drifting or sagging over long-term use
- Enables fast and stable angle and position adjustments during surgery

## Dual-Function Handle

- Optional control handle integrates both positioning and brightness adjustment
- Enhances surgical efficiency and workflow fluidity

## Endo Mode

- Provides soft, low-illuminance lighting optimized for endoscopic procedures
- Prevents screen glare and maintains a clear visual field

# Single-handed operation Full-room flexibility



## Integrated Lamp Head

- Screw-free
- Antimicrobial coating
- Effortless routine care

## Compact Agility Powerful Functionality



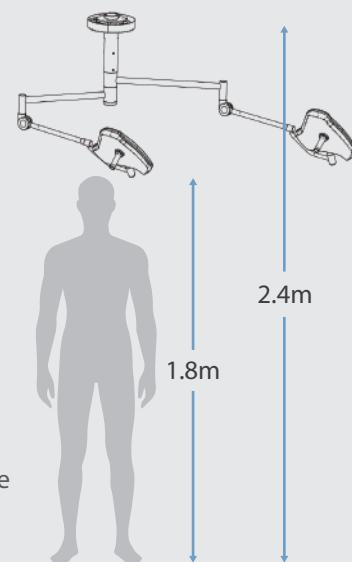
### Ceiling Height Adaptability

- Engineered to suit ceiling heights as low as 2.4 meters
- Ensures a professional, efficient surgical layout even in compact veterinary settings



### Compact Space Solution

- Specifically designed for veterinary clinics with limited space
- Easily fits into surgical areas as small as  $5\text{ m}^2$ , offering flexible and functional installation



A  $5\text{ m}^2$  surgical area is one that is specifically configured to support a rotational radius of 1.7 meters

# Crafted to Perfection Trusted Quality

- Rigorously tested under extreme conditions  
to last over 10 years of reliable performance

**25**  
Disinfectants

**IP54**  
The Waterproof and  
Dustproof Rating of Lamp Head

**10000+**  
Aging Tests

**20000**  
Operation Tests



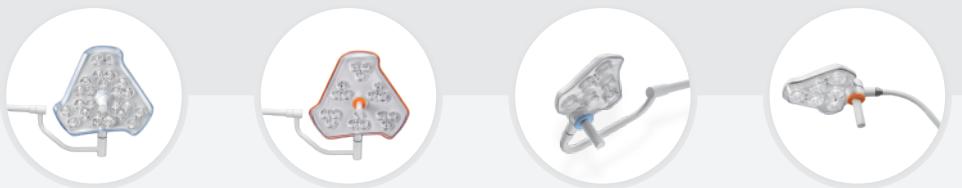
**100,000** Hours  
Service of Life

**40000+**  
Joint Rotation Tests

**Low EMI**  
Minimizes Interference with  
Ultrasound Imaging



Multiple mounting options for  
flexible and numerous installation options



Model	Surgical Lights		Examination Lights	
	VeLED S5	VeLED S3	VeLED E5	VeLED E3
Illumination (Lux)	160000	100000	70000	60000
Light Field Diameter (mm)	170-250	170-250	170	170
60% Depth of Illumination (mm)	600	600	1200	1200
Light Head Size (mm)	500	500	290	290
Mounting Options	Ceiling : Single & Dual-head Wall/Mobile	Ceiling : Single & Dual-head Wall/Mobile	Ceiling : Single-head Wall/Mobile	Wall/Mobile
Arm Configurations	Spring Arm	Spring Arm	Spring Arm	Gooseneck Arm
Brightness Control Handle	Standard	Optional	Optional	Optional
Endo Mode	✓	✓	✗	✗

For detailed parameter configurations, please consult Mindray Animal Medical's authorized distributor



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