

MGE-SL1B

MGE[®] Medical

Ceiling-Mounted Surgical Light



Features & Benefits:

The MGE-SL1B delivers high-performance illumination and advanced functionality for diverse surgical procedures. Its LED cold light source ensures superior shadowless lighting, precise color reproduction, and reduced heat emissions. The integrated Full HD camera system enhances documentation, teaching, and communication in surgical environments.

Key Features:

- **High-Performance Illumination:** LED light with adjustable intensity and color temperature (4300K) for optimal surgical visibility.
- **Full HD Camera:** Captures high-definition video for teaching, documentation, and patient communication.
- **Shadowless Design:** Arc focus eliminates shadows from the surgeon's head and shoulders for better visibility.
- **Ergonomic Adjustments:** Multifunctional handle allows easy spot and brightness control.
- **Lifelike Color Reproduction:** Osram LED bulbs ensure true tissue color rendering and consistent quality.
- **Long-Lasting LEDs:** Over 80,000 hours lifespan for reduced maintenance.
- **Microcomputer Control:** Digital memory system for easy adjustments of brightness and modes.
- **Durable Build:** Ultra-thin aluminum lamp head and robust suspension system for precise, stable positioning.
- **Multimedia Compatibility:** Supports monitors and cameras for seamless workflow integration.



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Technical Parameters

Item	Parameters
Origin	China
Model	MGE-SL1B
Product Name	Operation Theatre Light
Diameter of Lighthead (mm)	700/500
Illumination at 1m (Lux)	180000/160000
Spot Diameter (mm)	100-300
Illumination Depth (mm)	≥1300
Brightness Control Range	0-100% stepless adjustment
Color Rendering Index (CRI)	≥95
Color Temperature (Kelvin)	3700-6700
Temperature Rise (Surgeon Head) (°C)	≤1
Temperature Rise (Surgical Field) (°C)	≤1
Total Irradiance Ee (W/m ²)	≤600+500
Radiant Power Ee/Ec (mW/m ² lux)	≤4
Effective Focusing Depth (cm)	60-130
Lighting Spot Size (cm)	16-28
Operating Radius (mm)	≥2200
Voltage (V)	AC110-240V 50/60HZ
Input Power (W)	400VA
Bulb Type	LED
Bulb Brand	OSRAM
Average Service Life (H)	≥80000
Power of Single Lamp Bead	1W/3V
Optimum Installation Height (mm)	2800-3000





► Super High Color Reproduction

Oram Led Bulbs, Standard Natural Light With 4300k Color Temperature
The Color Reproduction Is Lifelike, The Tissue Color Is Truly Reproduced, And The Color Temperature Is Constant At Any Illuminance Condition.



► Perfect Shadowless Light Effect

The Scientific Arc Focus Design Cleverly Avoids The Doctor's Head And Shoulders To Achieve The Ideal Shadowless Effect And Super Deep Illumination.





► Microcomputer Control Panel

The Integrated Power Switch And Push-button Digital Display Dimming Can Be Adjusted According To Requirements.



► Multifunctional Disinfection Handle

The Non-contact Sensor Design Integrates The Most Commonly Used Light Spot Adjustment And Illuminance Adjustment Functions Of The Doctor Into The Handle To Improve The Efficiency Of The Operation.





► Arm

Mould Die-casting Eight Edge Type Revolving Arm.



► Optional Camera System

There Are Inserted Camera In Central Of Light Head And Fixed In Third Balance Arm For Choice.

