



Brilliance. Focus. Comfort.

HarmonyAIR® M-Series Surgical Lighting System

PURE, WHITE BRILLIANCE



Experience the clear difference in coolness, comfort and natural color rendition inherent in pure, white LED light.



M-SERIES SURGICAL LIGHTING SYSTEM

Why white light is ideal in a surgical environment

The M-Series surgical lighting system uses a single-color, phosphorcoated LED chip for crisp, white light which provides natural color rendition, allowing surgeons to accurately and consistently assess and interpret tissue and vessel appearance.



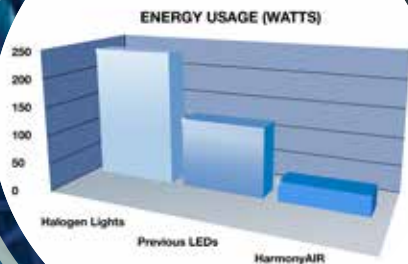
Bright, wide illumination of the surgical spot

The M-Series surgical lighting system delivers up to 160,000 lux over a greater portion of the spot or pattern size, making the spot visibly brighter, with crisp, defined edges. This more uniform beam and larger depth of field means no hot or cold spots, and less visual distraction or eye fatigue.



Cool under pressure

The new LED array consumes less than one-third of the energy of previous LED technology, providing a more comfortable OR experience for the surgical staff. Less heat also reduces the risk of drying out exposed tissue.





DESIGNED TO GROW WITH YOU

American-made to the highest quality standards, the M-Series suspension systems feature a STERIS-exclusive design. Their modular nature integrates with your workflow and case load, and protects your investment by making them future-ready. Lights, monitors, HD cameras or ambient rings can be added any time without disrupting your workflow or incurring costly downtime.

Stunning **ambiance**

Ideal for MIS procedures, an optional green ambient light ring at the ceiling mount is specially designed to provide low-level illumination for staff safety without causing glare on the monitors.

Let HD images **enhance the surgical experience**

Through its open architecture design, the M-Series surgical lighting system accommodates the high-definition signals. The optional HD in-light camera images are transmitted through low-loss coaxial cables and uniquely engineered 10-pole commutators, ensuring superior image quality.

Flexibility that **puts the equipment where you want it**

The M-Series surgical lighting system's monitor yokes are future-ready, accommodating up to 32-inch monitors. Simply push up and away to a stow position when not in use, avoiding heat damage to the screen face.

Elegant design **meets intuitive control**

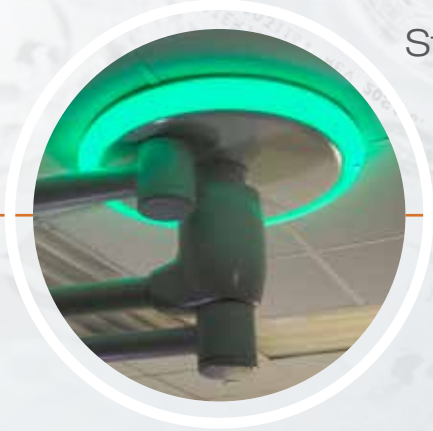
A sleek, capacitive-touch wall controller makes a bold, high-tech statement in the OR, while remaining easy to operate. Maintain centralized control on the large, easy-to-use, 10-inch touch panel display. Sterile surgeon controls enable you to turn the lights on and off, and adjust the light intensity, spot size and position from within the sterile field.



Integrate your connections for **safety and efficiency**

The Harmony™ ConnectPoint® Video Connectivity System offers versatile connectivity and optimizes flexibility around the sterile field.

The all power Harmony ConnectPoint Video Connectivity System is intended to replace the need for wall plates and reduce the number of cables routed on the floor, improving safety and efficiency for your staff and patients.





HYBRID OR EFFICIENCY, OUTCOMES, ADVANCED CARE

STERIS keeps you at the forefront of hybrid suite design by collaborating with your imaging partners and hospital team to translate your vision into the most efficient and advanced hybrid suite to fit your needs.



Suspension Solutions

Long arms provide customization options when imaging equipment presents a barrier around the operating table. With modular spindles and a variety of suspension options, we can put equipment where you want it-when you need it.

FREE5® Camera System

A dedicated FREE5 camera is ideal for capturing the precise angle needed for teaching and video conferences. The camera offers pan, tilt and zoom capability, plus unique 4th and 5th axes of pivot and rotation.



Radiation Shield

STERIS radiation shields bring efficiencies to the sterile field. They can be mounted from the light spindle to provide ease of positioning and protection for surgeons and surgical staff near the operating table.

Your Partner in Green

We're committed to providing you with environmentally responsible solutions that help you meet your goals, so that you can focus on what you do best – provide the highest quality patient care.

Our Environmental Stewardship Initiative encompasses our products and solutions, company operations, and social responsibility.



Less is More

M-Series surgical lights use 70 percent less energy per light head than previous LED surgical lights, all while delivering more light to the surgical field.

Long Live LEDs

Longer-life LED bulbs last in excess of 60,000 hours. Further, LEDs are mercury-free, and do not contain CFCs, POPs, VOCs, halogens or other harmful chemicals. They're also RoHS-compliant.



Technical Specifications



| Feature | M5 Series | M7 Series |
|-------------------------------|---|--|
| Diameter | 585 mm | 785 mm |
| # of LED | 84 | 120 |
| Maximum Central Illuminance | 160 klx | 160 klx |
| Maximum Central Irradiance | < 500 W/m ² | < 540 W/m ³ |
| Heat to Light Ratio | 3.1 mW/m ² -lx | 3.4 mW/m ² -lx |
| Depth of Field | 39" (100 cm) at 20% 20" (52 cm) at 60% | 36" (91 cm) at 20% 18" (46 cm) at 60% |
| Pattern Size (D10) | 7"-11" (18-28 cm) | 8.5"-12" (22-30cm) |
| D50 (small pattern) | 4.5" (11 cm) | 4.3" (11 cm) |
| D50/D10 (small pattern) | 63% | 50% |
| CCT (Color Temp) | 4400 +/- 300 K | 4400 +/- 300 K |
| CRI | up to 96 | up to 96 |
| R9 | up to 98 | up to 98 |
| Chromaticity Coordinates | (0.369, 0.370) | (0.369, 0.370) |
| UV emission (300-400 nm) | 2.85 W/m ² | 2.85 W/m ² |
| Power Consumption (LEDs only) | 40 watts | 200 watts |
| Life (B50, L70 definition) | 60,000 hrs | 30,000 hrs |



HarmonyAIR™
Surgical Lights

For more information, contact your STERIS representative or visit www.steris.com.

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 **STERIS**

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