

## MI-550 LED

### Excellence for exams and diagnostics

*The MI-550 offers the look and feel of surgery center lighting in a compact version that fits your examination room needs and your budget.*



The MI-550 provides maximum brightness, sharpness, superior shadow control and color accuracy. So you can visualize your work in the most precise way.

- 55,000 lux at 24" (60 cm)
- 4,300° K pure white
- CRI 97

These LEDs "Keep their Cool" emitting near-zero radiated heat... and with the 50,000 hour-rated LED life, you'll have virtually no bulb replacement concerns or expenses.

#### DESIGN YOUR LIGHTING WITH FLEXIBILITY AND EASE

The MI-550 LED features a longer, completely reengineered arm (now 66"). Configure it to accommodate your space. The light is available in single ceiling, dual ceiling, wall, and portable mounting options.



#### GETTING A BETTER HANDLE ON THINGS

Controlling the brightness and position of your lights is critical. With the MI-550, it's incredibly simple. Just reach up and press the center button on the sterilizable multi-stage dimming control handle to adjust brightness.



# ENGINEERING MEETS SCIENCE MEETS MEDICINE

The superb MI LED Series lighting is designed to create the most pure, uniform white light possible, taking into account not only how LEDs operate but also how the human eye perceives color. The result is a remarkable optics technology that sets a new standard in surgical illumination.



To compensate for inherent LED color imperfections, an ingenious lens was developed that merges all emitted colors into one focused beam of very white light, affording you unparalleled color accuracy.

All MI Series lights incorporate a special front diffuser lens system that individually re-directs each beam into a single, coherent, even light field.

## TECHNICAL SPECIFICATIONS

### Optical Specifications:

Number of LEDs: 8  
Output: 55,000 Lux @ 24" (0.6m)  
CCT: 4,300°K  
CRI: 97  
Focal Length: 24" (0.6m)  
Dimming Levels: 2  
Dimming Percentages: 100%, 50%  
Endo Mode: No  
Light Field (d10): ≈Ø6.0" (Ø152mm)  
Light Field (d50): ≈Ø3.5" (Ø 89mm)  
Irradiance: 71 W/m<sup>2</sup>

### Electrical Specifications:

Supply Circuit: 100- 240 VAC, 50/60Hz  
Fuse Rating: 1.5 Amp/250VAC  
Power Supply power handling capacity: 65W  
Light Head power consumption: 16W @ 24VDC

### Environmental Specifications:

Ambient/Operating temperature: 41°F to 104°F (5°C to 40°C)  
Storage Temperature: -4°F to 122°F (-20°C to 50°C)  
Humidity: 10 – 90% Relative Humidity  
Pressure: 100kPA (@<2k meters)

### Mechanical Specifications:

Light Head Weight: 6.9 lbs (3.1 kg)  
Light Head Dimensions: Ø9.2" (234mm) 2.6" (66mm)  
Arm Assembly Weight: Single = 48.3 lbs (22.0 kg),  
Arm Assembly Weight: Dual = 77.1 lbs (35.0 kg)  
Articulating Arm Vertical Movement: +20° Up, -60° Down  
Articulating Arm Horizontal Movement: ≈540°  
Articulating Arm/Yoke Interface: ≈540°  
Yoke/Light Head Interface: ≈300°

### Rotation and Movement

