System Two LED

Maximum brightness for precise procedure outcomes

The System Two is an affordable option for your surgery needs

The System Two delivers brilliant lighting in your surgical room. Brighter, whiter, cooler and more adjustable options for vivid, accurate colors with outstanding shadow control.

- 130,000 lux at 39.4” (1m)
- 4,200° Kelvin ±300°K
- CRI 95

DESIGN YOUR LIGHTING WITH FLEXIBILITY AND EASE

The System Two has several mounting options. Single Mount, Dual Mount or Triple Mount allows you to customize your surgical room to your desired preference.

GETTING A BETTER HANDLE ON THINGS

Controlling the brightness and position of your surgical illumination is critical. With the System Two, it’s incredibly simple. Just reach up and press the center button on our 5-stage dimming control handle to adjust brightness or rotate the handle to adjust the light pattern.

Visit BovieMedical.com/SystemTwo for more information
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:**
- Correlated Color Temperature: 4,200° Kelvin ±300°K
- Irradiance: 128 W/m² (1 m)
- Color Rendering Index (CRI R1-R8=RA): 95
- Color Rendering Index R9: 95
- Focal Length: 39.4” (1 Meter)
- Central Illuminance (Full Intensity): 130,000 +/- 5K Lux
- Dimming – 5 Intensity Levels (Indicated by 5 LED’s on 2 indicator strips Located 180° apart): 100%=130,000, 87.5%=113,750, 75%=97,500, 62.5%=81,250, 50%=65,000
- Endo Mode (12 LED’s triangulated 120° apart): 8,500 Lux
- Light Field Diameter (Adjustable): 9.5”–14” (229mm–356mm)
- Depth of Illumination: 32.3” (820mm)
- Diameter (d50): 5.5” (127mm–140mm)
- Illuminance (One Mask): 74,560 Lux (6,930 fc)
- Illuminance (Two Masks): 62,408 Lux (5,800 fc)
- Illuminance at Bottom of Standard Tube: 132,300 Lux (12,300 fc)
- Illuminance at Bottom of Standard Tube, One Mask: 72,630 Lux (6,750 fc)
- Illuminance at Bottom of Standard Tube, Two Masks: 60,256 Lux (5,600 fc)

**Environmental Specifications:**
- Ambient/Operating Temperature: 41°F to 104°F (5° to 40° Celsius)
- Storage Temperature Range: -4°F to 122°F (-20° to 50° Celsius)
- Humidity: 10%–90% Relative Humidity
- Pressure: 100 kPA (@<2K Meters)

**Mechanical Specifications:**
**Weights:**
- Solo Ceiling Mount Assembly*: Approximately 73.5 lbs (33.3 Kg)
- Duo Ceiling Mount Assembly*: Approximately 104.5 lbs (47.4 Kg)
- Trio Ceiling Mount Assembly*: Approximately 155.5 lbs (70.5 Kg)
- Light Head Assembly: Approximately 28.1 lbs (12.7 Kg)

*(Note: The weight of the Ceiling Cast assembly is included)

**Dimensions:**
- Ceiling Casting: 17.0” (431.8 mm) Dia. x 4.7” (119.4 mm) Deep
- Ceiling Rod: 2.5” (63.5 mm) Dia. x 9.0”–43.0”(228.6–1092.2 mm) Long (depending on ceiling height)
- Arm (Articulated): 4.0” (102 mm) Dia. (tapered) x 26.0” (660 mm) Long
- Light Head Assembly: 25.5” (648 mm) Dia. 4.75” (120 mm) Deep

**Rotations:**
- Ceiling Mount/Extension Arm Interface: Continuous
- Articulating/Extension Arm Interface: Continuous
- Articulating Arm Vertical Movement: +15 Degrees, -65 Degrees
- Articulating Arm/Yoke Interface: Continuous
- Yoke/Lamp Head Interface: +/-165 Degrees (330° Range)

**Electrical Specifications:**
- Input Voltage: 100-240 VAC 50/60 Hz – Single Phase
- LED Life: 50,000 Hours (Average)
- Solo Power: 120 Watts
- Duo Power: 240 Watts
- Trio Power: 360 Watts