

Bovie System Two LED

Bovie Medical Corporation's electrosurgery
business is now a part of



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 \pm 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

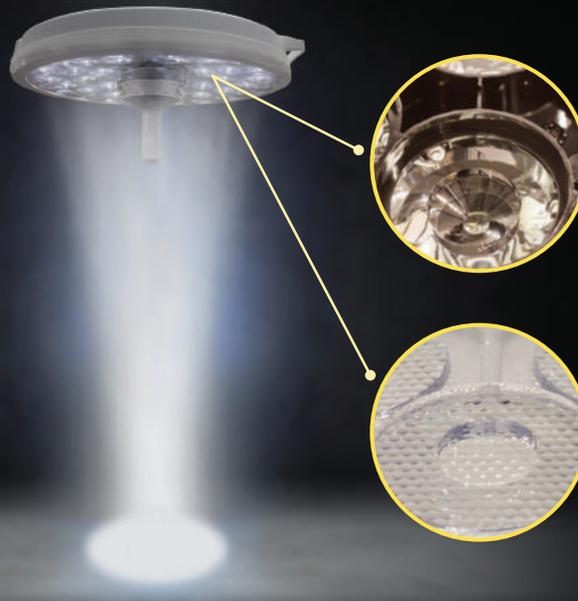
Controlling the brightness and position of your surgical illumination is critical. With the System Two, it's incredibly simple. Just reach up and press the center button on our 5-stage dimming control handle to adjust brightness or rotate the handle to adjust the light pattern.



Visit BovieMedical.com/SystemTwo for more information

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:

Correlated Color Temperature: 4,200° Kelvin \pm 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)

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

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)

