



Efficient surgery lighting system provides extremely cool output

The DRE Maxx Luxx 3 refines surgery lighting. It provides increased efficiency over traditional halogen light sources, producing a lux output of over 100,000 with only a 39 watt H.I.D. bulb, versus a 150 watt halogen bulb. The Maxx Luxx 3 virtually eliminates heat, while increasing color temperature to over 4,300° Kelvin. Plus the Maxx Luxx 3 boasts a rated bulb life of over 10,000 hours and includes accurate, complete mechanical dimming.

- Highly efficient surgery lighting system
- Extremely cool output — lowest possible heat
- Superb color temperature
- Extremely long bulb life
- Wide range mechanical dimming
- 100,000 lux output at 1 meter
- 4,300° Kelvin color temperature
- 6.5" – 9" adjustable pattern
- 50% – 100% mechanical dimming
- Over 10,000 hour bulb life for primary bulbs



Choose the configuration that is right for your operating room

- Single mounts available with a light head or a monitor
- Dual ceiling mounts available with two lights heads, a light head and a monitor, or a light head and a camera
- Triple ceiling mounts available with three lights heads, two light heads and a camera, or two light heads and a monitor
- Portable stands available with a light head



Wall Mount



Single Ceiling Mount



Dual Ceiling Mount



Triple Ceiling Mount



Portable Stand

DRE Maxx Luxx 3

Surgery Lighting System

Equipment for the way *you* operate

Lamp Head Specifications

» Optical

Reflector 20" (508mm) diameter polished aluminum, faceted

IR/Color correcting filter glass

Corrected color Temperature 4300° Kelvin
Irradiance 314 W/m² (1m)
Color Rendering Index 90

Performance

Focal length 39" (1 meter)
Central Illuminance (adjustable) 2,500- 9,290 foot-candles
(26,909 -100,000 Lux)
Maximum Illuminance @33" 10,500 foot-candles (113,018 Lux)
Light field diameter (adjustable) 5.62 - 9.85" (143 - 250mm)
Depth of illumination 48" (1,220mm)
Diameter (d50) 4.12" (105mm)
Illuminance (one mask) 2,735 foot-candles (29,500 Lux)
Illuminance (two masks) 4,126 foot-candles (44,500 Lux)
Illuminance at bottom of standard tube 9,829 foot-candles
(106,000 Lux)
Illuminance at bottom of standard tube
with one mask 2,875 foot-candles (31,000 Lux)
Illuminance at bottom of standard tube
With two masks 4,312 foot-candles (46,500 Lux)

» Electrical

Voltages

Input Voltage 100 - 125 VAC 50/60 Hz, 140 Watts
220 - 240 VAC 50/60 Hz, 140 Watts
Lamp voltage 120 VAC 50/60 Hz (39 Watts) Primary
24 - VAC 50/60 Hz (80 Watts) Secondary
Bulb life 10,000 hours (average) For Primary

» Weight

S2 MH Light Head Approximately 23.5 lbs (10.7 Kg)

» Environmental

Operating temperature 41 - 104 deg F (5-40 Degrees Celsius)
Storage temperature Range 41 - 104 deg F (5-40 Degrees Celsius)
Humidity 10 - 90% relative humidity

Optional Configurations

Monitor arm



- A convenient solution for monitor placement
- Provides options for High Definition, fiber optics cabling, video source switching and compatibility with PACS
- Available with or without monitor

Video Camera



- Provides "S-Video" imaging
- 27x optical zoom, auto and manual focus
- Sterilizable handle – standard
- Mounted on its own independent arm assembly

Ceiling Mounting Specifications

» Mechanical

Weight

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)
S2 MH Light head assembly Approximately 23.5 lbs (10.7 Kg)

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) 3.5" (88.9 mm) Dia (tapered)
x 26.0" (660.4 mm) long
Light head assembly 23.0" (584.2 mm) diameter
x 10.0" (254mm) deep

Rotations

Ceiling mount/extension arm interface Continuous
Articulating/extension arm interface Continuous
Articulating arm vertical movement +20, -70 Degrees
Articulating arm/Yoke interface Continuous
Yoke/lamp head interface +/- 150 Degrees

Power

Solo (SS2120 MH, SS2230 MH) 120/230 VAC, 50/60 Hz 140 Watts
Duo (SS2S2120 MH, SS2S2230 MH) 120/230 VAC, 50/60 Hz
280 Watts
Trio (SS2S2S2120 MH, SS2S2S2230 MH) 120/230 VAC,
50/60 Hz 420 Watts

Floor Model Specifications

» Mechanical

Weight

Floor base with upright Approximately 88.5 lbs (40.1 Kg)
Arm assembly Approximately 16.3 lbs (7.4 Kg)
S2 MH Light Head Approximately 23.5 lbs (10.7 Kg)

Dimensions

Floor base 7.5" (191 mm) high x 28" (711 mm) long
x 25" wide (635 mm)
Upright 2.5" (63,5 mm) Dia 79" (2006,6 mm)
Arm assembly 3.5" (88,9 mm) Dia (tapered)
x 26.0" (660,4 mm) long

Rotations

Articulating arm horizontal movement +/- 7.5 Degrees
Articulating arm vertical movement +20 Degrees, 70 Degrees
Articulating arm/Yoke interface Continuous

» Electrical

Power

FS2120 MH, 120 VAC, 50/60 Hz, 140 Watts
FS2230 MH, 230 VAC, 50/60 Hz, 140 Watts