



Efficient surgery lighting system provides extremely cool output

The DRE Maxx Luxx II incorporates proven halogen reliability and an unparalleled list of standard features, making it an industry standard. Full focus control, four-stage dimming, high color temperature, a complete array of mounting options and low cost make the Maxx Luxx II a truly great value.

- Available with advanced video integration capability with video camera and video monitoring options
- Redesigned ceiling mounting and extension arm for easier mounting and improved stability
- Two light heads are available:
 - 20" reflector: 102,000 lux (9,500 ft. candle) output at one meter, and a 4,000° K color temp.
 - 16" reflector: 72,000 lux (6,700 ft. candle) output at one meter, and a 4,000° K color temp.

Choose the configuration that is right for your operating room

- Single mounts available with a light head or a monitor
- Portable stands available with a light head
- 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



Wall Mount

Single Ceiling Mount

Dual Ceiling Mount

Triple Ceiling Mount

Portable Stand

DRE Maxx Luxx II

Surgery Lighting System

Equipment for the way *you* operate

16" Reflector Technical 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)
Light head assembly	Approximately 13.8 lbs (6.3 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" (660.4 mm) long
Light head assembly	18.75" (476.3 mm) Dia. x 7.75" (196.9 mm) 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

Electrical

Voltages

Input voltage	100 - 125 VAC 50/60 Hz 220 - 240 VAC 50/60 Hz
Lamp voltage	23 - 25 VAC 50/60 Hz (105 Watt)
Bulb life	1,000 hours (average)
Power	
» Solo (SS1120, SS1230)	120/230 VAC, 50/60 Hz 125 Watts
» Duo (SS1S1120, SS1S1230)	120/230 VAC, 50/60 Hz 250 Watts
» Trio (SS1S1S1120, SS1S1S1230)	120/230 VAC, 50/60 Hz 375 Watts

Optical

Reflector	16" (406.4 mm) diameter vacuum metalized aluminum, faceted
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IR/Color correcting filter glass

Corrected color temperature	4,000° Kelvin
Irradiance	246 W/m ² (1 m)
Color rendering index	90

Performance

Focal length	39" (1 meter)
Central illuminance (adjustable)	2,000 - 7,727 foot-candles (21,500 - 83,174 Lux)
Light field diameter (adjustable)	5.625 - 9.850" (143 - 250 mm)
Depth of illumination	42" (1,067 mm)
Diameter (d50)	3.84" (97.5 mm)
Illuminance (one mask)	978 foot-candles (10,527 Lux)
Illuminance (two masks)	3,472 foot-candles (37,377 Lux)
Illuminance at bottom of standard tube	7,727 foot-candles (83,174 Lux)
Illuminance at bottom of standard tube with 1 mask	1,176 foot-candles (12,658 Lux)
Illuminance at bottom of standard tube with 2 masks	3,567 foot-candles (38,399 Lux)

Environmental

Operating temperature	41 - 104° F (5 - 40° Celsius)
Storage temperature range	41 - 104° F (5 - 40° Celsius)
Humidity	10 - 90% relative humidity

20" Reflector Technical 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)
Light head assembly	Approximately 17.5 lbs (7.9 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" (660.4 mm) long
Light head assembly	23.0" (584.2 mm) diameter x 9.5" (241.3 mm) deep

20" Reflector Technical Specifications continued

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

Electrical

Voltages

Input Voltage	100 - 125 VAC 50/60 Hz 220 - 240 VAC 50/60 Hz
Lamp voltage	23 - 25 VAC 50/60 Hz (105 Watt)
Bulb life	1,000 hours (average)
Power	
» Solo (SS2120, SS2230)	120/230 VAC, 50/60 Hz 170 Watts
» Duo (SS2S2120, SS2S2230)	120/230 VAC, 50/60 Hz 340 Watts
» Trio (SS2S2S2120, SS2S2S2230)	120/230 VAC, 50/60 Hz 510 Watts

Optical

Reflector	20" (508mm) diameter polished aluminum, faceted
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IR/Color correcting filter glass

Corrected color temperature	4,000° Kelvin
Irradiance	314 W/m ² (1m)
Color rendering index	90

Performance

Focal length	39" (1 meter)
Central illuminance (adjustable)	2,000 - 9,500 foot-candles (21,500 - 102,257 Lux)
Maximum illuminance @33"	10,700 foot-candles (115,173 Lux)
Light field diameter (adjustable)	6.5 - 9.0" (165 - 229mm)
Depth of illumination	48" (1,220mm)
Diameter (d50)	4.72" (120mm)
Illuminance (one mask)	2,340 foot-candles (25,200 Lux)
Illuminance (two masks)	3,300 foot-candles (35,500 Lux)
Illuminance at bottom of standard tube	9,500 foot-candles (102,000 Lux)
Illuminance at bottom of standard tube with 1 mask	2,340 foot-candles (25,200 Lux)
Illuminance at bottom of standard tube with 2 masks	3,300 foot-candles (35,500 Lux)

Environmental

Operating temperature	41 - 104° F (5 - 40° Celsius)
Storage temperature range	41 - 104° F (5 - 40° Celsius)
Humidity	10 - 90% relative humidity

Floor Model Technical Specifications

Mechanical

Weight

Floor base with upright	Approximately 88.5 lbs (40.1 Kg)
Arm assembly	Approximately 16.3 lbs (7.4 Kg)
Light Head w/ 16" Reflector	Approximately 13.8 lbs (6.3 Kg)
Light Head w/ 20" Reflector	Approximately 17.5 lbs (7.9 Kg)

Dimensions

Floor base	7.5" (190.5 mm) high x 28" (711.2 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 interface vertical movement	20 Degrees, 70 Degrees
Articulating arm/upright interface horizontal movement	+/- 7.5 Degrees

Electrical

Power

FS1120	120 VAC, 50/60 Hz, 125 Watts
FS1230	230 VAC, 50/60 Hz, 125 Watts
FS2120	120 VAC, 50/60 Hz, 170 Watts
FS2230	230 VAC, 50/60 Hz, 170 Watts

Specifications subject to change without notice.