

Section 2: Specifications

Optical Specification			
Parameter	MI-1000	MI-750	MI-550
# of LED's	36	18	8
Output	100,000 Lux @ 39.4" (1m)	75,000 Lux @ 39.4" (1m)	55,000 Lux @ 24" (0.6m)
CCT	4,300°K		
CRI	97		
Focal Length	39.4" (1m)		24" (0.6m)
Dimming Levels	5	3	2
Dimming Percentages	100%, 87%, 75%, 62%, 50%	100%, 75%, 50%	100%, 50%
Endo Mode	Yes	No	No
Light Field (d10)	≈Ø8.3" (Ø209mm)	≈Ø7.7" (Ø196mm)	≈Ø6.0" (Ø152mm)
Light Field (d50)	≈Ø4.9" (Ø124mm)	≈Ø4.3" (Ø110mm)	≈Ø3.5" (Ø 89mm)
Depth of Illumination	24.0" (610mm)	26.5" (673mm)	-
Illuminance (one mask)	27.2%	.003%	-
Illuminance (two masks)	37.2%	34.5%	-
Illuminance (tube with one mask)	24.3%	.003%	-
Illuminance (tube with two masks)	40.3%	35.5%	-
Irradiance	295 W/m²	196 W/m²	71 W/m²
Electrical Specifications			
Supply Circuit	100 - 240 VAC, 50/60Hz		
Fuse Rating	1.5 Amp/250VAC	1.5 Amp/250VAC	1.5 Amp/250VAC
Power Supply power handling capacity	65W	65W	65W
Light Head power consumption	54W @24VDC	27W @24VDC	16W @24VDC
Mechanical Specifications			
Light Head Weight	14.6 lbs. (6.6 kg)	9.0 lbs. (4.1 kg)	6.9 lbs. (3.1 kg)
Light Head Dimensions	Ø18" (Ø457mm) 3" H (76.2mm)	Ø14.5" (368mm) 2.75" H (70mm)	Ø9.2" (234mm) 2.6" (66mm)
Arm Assembly Weight	Single: 48.3 lbs. (21.9 kg)		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°		
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)		