

- Damage due to improper installation, use, cleaning or maintenance, as outlined in the Installation and Service Manual.
- Labor costs associated with removing, re-packaging for shipment or reinstalling product

Limited Warranty, Rev 8-23

## Section 2

### Section 2: Product Specifications

#### Mechanical Specifications

Parameter	Value
<b>Weights:</b>	
Ceiling Mounting Plate	Approximately 7.2 lbs (3.3kg) to 58.2 lbs (26.5kg)
Single Central Axis	Approximately 20.9 lbs (9.5kg)
Dual Central Axis	Approximately 38.3 lbs (17.4kg)
Triple Central Axis	Approximately 54.3 lbs (24.7kg)
Spring Arm – L21	Approximately 16.1 lbs (7.3kg)
Spring Arm – LCH	Approximately 14.3 lbs (6.5kg)
Spring Arm – MD21 (Monitor Spring Arm)	Approximately 16.5 lbs (7.5kg)
Light Head assembly	Approximately 28.1 lbs (12.8kg)
Power Box (Dual Light)	Approximately 8.8 lbs (4.0kg)
<b>Dimensions:</b>	
Ceiling Mount Plate	11.2" (290mm) Hex Mounting Plate
Available Ceiling Rod lengths	8" (200mm) 16" (400mm) 24" (600mm) 32" (800mm) 39" (1.0m) 47" (1.2m)
Central Axis Extension Arm lengths - Single	41.3" (1,050mm)
Central Axis Extension Arm lengths - Dual	41.3" (1,050mm) / 35.4" (900mm)
Central Axis Extension Arm lengths - Triple	41.3" (1,050mm) / 35.4" (900mm) / 29.5" (750mm)
Spring Arm length	36.2" (920mm)
Light head assembly	25.5" (648 mm) Dia. x 4.75" (120 mm) deep

#### Electrical Specifications

Voltage Input Voltage	100 - 240 VAC 50/60 Hz – Single Phase
LED life	50,000 hours (average)
<b>Power:</b>	
Single	180 Watts
Dual	360 Watts
Triple	540 Watts

**Section 2: Specifications**

**Optical Specifications**

Correlated Color Temperature	
D-Series	Fixed at 4,300°K ±300°K
Vu-160	Fixed at 4,300°K ±300°K
Vu-E	Variable between 3,800°K to 4,800 °K ±300°K
Irradiance	128 W/m <sup>2</sup> (1 m)
Color Rendering Index (CRI R1-R8=RA)	95
Color Rendering Index R9	95
Focal length	39.4" (1 meter)
D-Series Central Illuminance (full intensity)	130,000 ± 5K Lux.
Dimming – 5 Intensity Levels	100%    87.5%    75%    62.5%    50%
(Indicated by 5 LED's on 2 indicator strips located 180° apart)	130,000   113,750   97,500   81,250   65,000
Vu-160/Vu-E Central Illuminance (full intensity)	160,000 +0 / -10K LUX @4,300°K
Dimming – 5 Levels	100%    87.5%    75%    62.5%    50%
(Indicated by 5 LED's on 2 indicator strips located 180° apart)	160,000   140,000   120,000   100,000   80,000
	LUX    LUX    LUX    LUX    LUX
Endo Mode	
D-Series	10% - 12 white LED's triangulated 120° apart (8,500 LUX)
Vu	7.4% - 6 green LED's located 60° apart @4300°K
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 with one mask	72,630 Lux (6,750 fc)
Illuminance at bottom of standard tube with two masks	60,256 Lux (5,600 fc)

**Environmental Specifications**

Ambient/Operating temperature	41°F to 104°F (-10°C to 40°C)
Storage temperature range	-4°F to 122°F (-20°C to 50°C)
Humidity	10% - 75% Relative Humidity
Pressure	500 hPA to 1,060hPA (@<2K meters)