

UV-C LED Bore Disinfection System

MRI Safe



Product Description

The MRI Safe UV-C LED Bore Disinfection System (Patent Pending) is used to disinfect medical imaging equipment in healthcare. The system generates UV-C light energy across the Germicidal Spectrum (260nm to 300nm) proven to kill all pathogens with a kill factor of 99.9%. The system is safe, easy and efficient to use. It can disinfect Radiology equipment bores and patient tables, making it versatile and economic for healthcare. Can be used on MR, PET/MR, CT, PET, PET/CT, MR guided Linac, Nuc Med and any other bores in the hospital 80cm wide and up to 200 cm long

Features

360 degrees of UV-C Disinfection	Built in thermal protection
Cycle time under 5 minutes	MRI compatible
LED safety indicators	

Light Output

	Minimum	Typical	Maximum	Units
Light Output per LED	-	300	-	mW
UV-C power		12		W (Total)
Dose at completion of cycle		40		mJ/cm2
Wavelength	260	-	300	nm

Mechanical

	Minimum	Typical	Maximum	Units
Enclosure		Cart mounted		-
Fixture Length	-	72	-	in
Product Weight (Excluding Cart)	-	34	-	lbs

Electrical

	Minimum	Typical	Maximum	Units
Input Voltage	100	-	240	Vac
Input Current	-	-	12	A
Input Power	-	-	1100	W
Input Frequency	50	-	60	Hz
Heat	-	3340	-	BTU/h

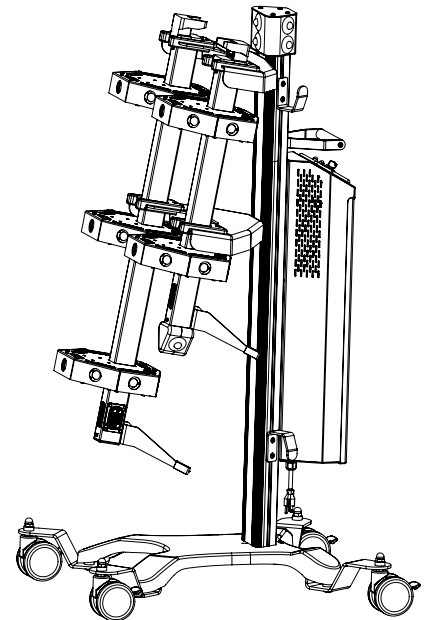
Compliance

	Minimum	Typical	Maximum	Units
Regulatory Safety	-	Listed	-	UL 61010-1 CSA22.2 #61010-1
FCC		Meets FCC Part 15, Subpart B, Class A Standards for Unintentional Radiators, Class A digital devices		
CE	-	EU Only	-	IEC 61010-1:2010/ AMD1:2016
RoHS	-	Compliant	-	2011/65/EU 2015/863

Environmental

	Minimum	Typical	Maximum	Units
Operating Temperature	0	20	35	C
Humidity	20	-	80	%
Warranty	1	-	-	Years

Part Number: 1-07-000351



PDC Specification Submittal

Job Name:	
Job Number:	
Model Numbers:	Fixture Type:

Notes

UV-C can be dangerous to skin and eyes if safety guidelines are not followed

Only exposed surfaces will be disinfected

Disinfects up to 200cm bore at 80cm diameter

PPE can be used to protect from high energy UV-C light. Covering all exposed skin and wearing a face shield with UV-C tinted plastic will protect from all UV-C light energy.

UV-C light energy will not penetrate clothing, window glass or opaque surfaces

Regulatory standards prohibit personnel in the scan room during the Disinfection Cycle.

Mechanical Diagrams

