



RF Powered Auroral Light Sources



Resonance Ltd. RF Powered Auroral sources are designed to be reliable and maintenance free compact sources of auroral oxygen emissions with an operating life in excess of 300 hours.

The sources are sealed RF excited sources with a window in an EMI shielded enclosure. The lamp mounts to a 2.75 inch or larger CF type flange. The lamp assembly has an integral RF exciter which is powered by a small wall plug power supply.

RF Powered Auroral Specifications				
	Minimum	Typical	Maximum	Units
Plasma Cavity		30 x 9		Mm ID
Drift			1.0	% per hour
Calibration	Absolute intensity determined by traceable NBS Standard			
Testing	Test spectrum of entire UV spectral region performed			
Running Life	300			hours
Case Temperature	0		55	Degrees C
Input Voltage (50-60Hz)	20		35	AV Volts
Input Power	6		20	Watts

Gas Specifications	
Gas	Description
O	Green Line at 557.7nm with a radiance of 200 KRayleighs
O2	Atmospheric bands (0,0) with a radiance of 2 MRayleighs

Accessories	Options
Short adapter for wide angle output	Space Qualification
Lens Assembly	Miniature, low power configuration
Modular	High flux, high power configuration
UV Diodes	
PSD and Pulse counting	
Detector Assemblies	
