

Sealed IR Quartz Lamps



Design Features

- * *Fast Filament Response*
- * *High Power Densities possible — up to 200 watts per inch per filament*
- * *Different filament temperatures available to suit different materials*
- * *Optional white or gold reflective layer on lamps redirects heat towards target material*
- * *Single or twin-tube construction*
- * *Contour bending available*

Filament Temperature Ratings

Filament Type	Near Infrared (NIR)	Short Wave (SW)	Fast Response Medium Wave (FRMW) High Temperature	Fast Response Medium Wave (FRMW) Low Temperature
Filament Response	1 second	1 second	1-2 seconds	1-2 seconds
Filament Temperature	2900K/4800°F	2500K/4000°F	1900K/2900°F	1500K/2200°F
Approximate Peak Wavelength	1.0μm	1.2μm	1.6μm	2.0μm
Maximum watts/inch per Filament	200	200	100	100
Average Lifetime (Hours)	2000	5000	5000	5000

SPECIFICATIONS

- Max. Temperature:** 350°C — End Seal
 900°C — Quartz Tube and optional White Ceramic Reflective Layer
 800°C — Optional Gold Reflective Layer
- Max. Voltage:** 600 Volts depending on design

LAMP GLASS TYPES

- Clear:** Standard
- Ruby:** Reduces Glare
- Translucent:** Reduces Glare
- Frosted:** Reduces Glare
- Gold Reflector:** Redirects heat toward target for increased efficiency.
- White Reflector:** Redirects heat toward target for increased efficiency similar to gold, but will not degrade over time at high temperatures.



Custom Designs

