

Process Radiant Heaters Selection Guidelines

- **Metal Sheath, Medium Intensity & Medium Wavelength**
- **Quartz, High Intensity & Short Wavelength**
- **Quartz, Medium Intensity & Medium Wavelength**
- **Radiant Oven Assemblies**
- **Wide Area Quartz Panels**
- **Ceramic Panels**

Selection Guidelines

The metal-sheath type heater is easily installed and may be operated in any position. The units may be mounted to form banks, tunnels or oven sections.

Chromalox offers heaters in two standard intensities. 1.83 kW per sq. ft. — type RAD. Adequate intensity for about 80% of all applications including finish curing.

3.66 kW per sq. ft. — type RADD, U-RAD and U-RAD-LT speed up webfed and conveyORIZED operations in which excessive temperatures

will not cause damage. Examples are water dry-off, shrink fitting and weld preheating.

Liquid-tight housings are available for single and double hairpin designs where moisture resistance is desired.

Quartz lamp and Quartz tube have faster heat and cool down cycles for higher speed process applications.

Wide area panels can give a wide, flat infrared radiation pattern where needed.

See the following selection guidelines to find more product information.

Process Radiant Heaters — Selection Guidelines

Type	Feature	kW Rating	Model	Page
RAD Series	Mounting Methods			E-27
LN & LW Series	Mounting Methods			E-28
Metal Sheath/ Medium Wavelength/ Medium Intensity	Single Element - 1.83 kW/Ft ²	0.4 - 4.5	RAD	E-29
	Double Element - 3.66 kW/Ft ²	1.6 - 13	RADD	E-31
	Single Element - Single End	0.9 - 4.4	S-RAD	E-33
	Single Element - Hermetically Sealed	0.7 - 3.6	RAD-H	E-35
	Single Hairpin Element	0.8 - 3.6	U-RAD®	E-36
	Double Hairpin Element	1.6 - 7.2	U-RAD®	E-38
	Single Hairpin Assembly	0.8 - 3.6	RUTU	E-40
	Liquid-Tight, Single Hairpin	0.8 - 3.6	U-RAD-LT	E-41
	Liquid-Tight, Double Hairpin	1.6 - 7.2	U-RAD-LT	E-42
	Single Element, Double Hairpin	1.6 - 7.8	DU-RAD	E-44
	Three Element	3.2 - 15.0	DU-RAD	E-45
	Panel	13.2 - 36.0	U-RP	E-49
	Quartz/Short Wavelength/ High Intensity	Quartz Lamp	0.5 - 3.8	QR
Quartz/Medium Wavelength	Quartz Tube	0.35 - 4.3	QRT	E-52
Accessories	Grilles, Reflectors, Terminals			E-53
Specialty	Lamp Replacement - METARAY®	0.37 - 1.0	FR & DQ	E-54
Assemblies	Oven Sections	0.45 - 3.8	LN & LW	E-55
Elements	Quartz Lamp T-3	0.5 - 3.8		E-57
	Quartz Tube	0.38 - 4.3		E-58
Wide Area	CP Series			E-59
	Quartz - High Intensity	1.8 - 4.8	CPHI	E-61
Ceramic	Curved Face	0.2 - 1.2	RCH-C	E-63
	Flat Face	0.2 - 1.0	RCH-F	E-64
	Accessories			E-65