

# Electric Infrared Heating Elements

## Clear & Red Quartz Lamps - 12mm Diameter

- Near wavelength infrared, color temp. emitted approx. 4100° F (high brightness)
- Approximately 96% radiant efficiency
- Excellent resistance to thermal shock
- Highest moisture resistance and quickest heat up time
- 3/8" Diameter clear or red quartz envelope
- Coiled tungsten filament; sealed porcelain end caps; halogen gas filled

Model prefix types:

- 630 = Horizontal Burning "Clear"
- 631 = Vertical QR Horizontal Burning "Clear"
- 632 = Horizontal Burning "Red"

**Notes:**

- Life expectancy of all heating elements = 5,000 hours
- All heating elements operate at 50 / 60 Hertz.

**⚠ WARNING:** This product can expose you to chemicals including nickel which is known to the State of California to cause cancer, and chromium, which is known to the State of California to cause birth defects and/or reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	VOLTS	LENGTH (IN.)		ENVELOPE TYPE	FITS MODEL	
				Overall	Heated			
04400502	630-05129	500	120	8 1/16	5	12mm DIAMETER CLEAR	MM-13A	
04401602	630-16209	1600	208	19 1/16	16		222, 223, or MM-24A	
04401702	630-16249		240					
04409902	631-16249		240					
04401802	630-16279		277					
04817302	630-16489	480	2500	28 1/16	25			342, 343, or MM-33A
04817402	630-25209	208						
04817502	630-25249	240						
04817602	630-25279	277						
04405402	630-25489	480						
04403602	631-25489	480						
04406802	631-25609	600	3650	41 1/16	38	462, 463, or MM-46A		
04406702	630-36489	480						
04462302	630-38579	3800	577	19 1/16	16	222/223 or RPH		
04441302	631-38579		577					
04914602	632-15129	1500	120	28 1/16	25	12mm DIAMETER RED	342 or 343	
04461502	632-1620	1600	208					
04461602	632-1624		240					
04462202	632-2548	2500	480					

## Quartz Tubes

- Medium wavelength infrared, color temp emitting approx. 1800°F (bright orange glow)
- Approximately 60% radiant efficiency
- Nickel-Chromium alloy coiled element with porcelain end caps and pigtailed termination
- 5/8" Diameter frosted quartz envelope
- Moderate heat-up/cool-down

**Notes:**

- Life expectancy of all heating elements = 5,000 hrs
- All heating elements operate at 50 / 60 Hertz.

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MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	VOLTS	LENGTH (IN.)		FITS MODEL
				Overall	Heated	
04432302	671-3784	1500	120	39 1/16	34 3/16	OCH-46
04418102	671-5061	2000	208			
04418002	671-3785	2000	240			
04419302	671-5018	2000	277			
04416602	671-5060	3000	208	50 1/16	45 3/16	OCH-57
04414702	671-3786	3000	240			
04419402	671-5059	3000	277			
04419502	671-5058	2250	480			
04914702	671-5062	2000	208	48 3/8	43	OCH2-55
04914802	671-5063		240			
04914902	671-5064		277			
04915002	671-5065	3000	208	59 1/4	53 3/8	OCH2-66
04915102	671-5066		240			
04915202	671-5067		277			
04403502	671-3454	450	120	12 15/16	8 7/16	FFH-912B
04400802	671-3492*	550	120	19 1/2	16	FFH-512A
04462402	671-5056	1000	120	18 5/16	14 1/16	CH-2212-1C
04462502	671-5057	1425	240	27 3/16	23 7/16	CH-6424-1C

\*3/8" Diameter

## Flat Panel Emitter Medium Wave Replacement Complete Conversion Kits - MR, CH, & FHK

- Medium wavelength infrared
- Color temp emitting approx. 1650°F
- Dull orange glow
- 78.5% radiant efficiency
- Black quartz composite face
- Non-glare & no glass materials
- Wound resistance wire consists of iron, chromium, & aluminum alloy
- Refractory blanket insulation
- High temp ceramic fiberboard
- Aluminized steel enclosure frame
- Electrical junction box
- Slow heat-up/cool-down
- 25,000 life expectancy
- Operates on 50 / 60 Hertz

**Notes:**

- Life expectancy of all heating elements = 25,000 hours
- All heating elements operate at 50 / 60 Hertz.

**⚠ WARNING:** This product can expose you to chemicals including nickel which is known to the State of California to cause cancer, and chromium, which is known to the State of California to cause birth defects and/or reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

CH & MR SERIES - FLAT PANEL EMITTER CONVERSION KITS					
MFG CATALOG NUMBER	MFG MODEL NUMBER	WATTS	VOLTS	FOR USE WITH OLD MODEL #:	
01358102	64337-022	3150	208	MR-420-1, CH-420-1C, CH-420-3A	
01358202	64337-023		240	MR-424-1, CH-424-1C, CH-424-1A	
01358302	64337-024		277	MR-427-1, CH-427-1C, CH-427-1A	
01358402	64337-025		480	MR-448-1, CH-448-1C, CH-448-1A	
01358502	64337-026	4300	600	MR-457-1, CH-457-1C, CH-457-1A	
01358602	64337-027		208	MR-620-3, CH-620-3C, CH-620-3A	
01358702	64337-028		240	MR-624-3, CH-624-3C, CH-624-3A	
01358802	64337-029		277	MR-627-3, CH-627-3C, CH-627-3A	
01358902	64337-030	9500	480	MR-648-3, CH-648-3C, CH-648-3A	
01359002	64337-031		600	MR-657-3, CH-657-3C, CH-657-3A	
01359102	64337-032		208	MR-1320-3, CH-1320-3B, CH-1320-3A	
01359202	64337-033		240	MR-1324-3, CH-1324-3B, CH-1324-3A	
01359302	64337-034	9500	277	MR-1327-3, CH-1327-3B, CH-1327-3A	
01359402	64337-035		480	MR-1348-3, CH-1348-3B, CH-1348-3A	
01359502	64337-036		600	MR-1357-3, CH-1357-3B, CH-1357-3A	
01359602	64337-037		208	MR-2720-3, CH-2720-3C, CH-2720-3B	
01359702	64337-038	9500	240	MR-2724-3, CH-2724-3C, CH-2724-3B	
01359802	64337-039		277	MR-2727-3, CH-2727-3C, CH-2727-3B	
01359902	64337-040		480	MR-2748-3, CH-2748-3C, CH-2748-3B	
01360002	64337-041		600	MR-2757-3, CH-2757-3C, CH-2757-3B	
FHK Series - Flat Panel Emitter Conversion Kits					
01360802	64337-049	4300	208	FHK-620-3A	
01360902	64337-050		240	FHK-624-3A	
01361002	64337-051		480	FHK-648-3A	
01361102	64337-052	9500	208	FHK-1320-3A	
01361202	64337-053		240	FHK-1324-3A	
01361302	64337-054		480	FHK-1348-3A	

Note: There are no element replacement kits for CH-2, MR-2, FHK-2, or FHK-4 model series heaters.