



ELECTRIC INFRARED REPLACEMENT HEATING ELEMENTS



CLEAR & RED QUARTZ LAMPS	WWG MODEL #	Item #	Watts	Volts	Length (in.)		Fits Model	Lamp Type
					Overall	Heated		
 <p><i>Short Wavelength</i></p>	1UMN3	630-16209	1600	208	19 1/16	16	222/223 or MM24	Clear
	1UMN4	630-16249		240				
	2KCZ8	630-16489		480				
<ul style="list-style-type: none"> Coiled tungsten filament; sealed porcelain end caps; halogen gas filled Color temperature emitted: approx. 4100° F (high brightness) Approximately 96% radiant efficiency Excellent resistance to thermal shock 3/8" Diameter clear or red quartz envelope <p>Note: Item # (*) 630 = Horizontal Burning "Clear" 631 = Vertical OR Horizontal Burning "Clear" 632 = Horizontal Burning "Red"</p>	2KCZ9	630-25249	2500	240	28 1/16	25	342/343 OR MM33	
	2KDA1	630-25489		480				
	31TP46	631-25489		480				
	1UMN5	630-36489	3650	480	41 1/16	38	462/463 or MM46	
	31TP48	632-1620	1600	208	19 1/16	16	222/223 or RPH	
	31TP49	632-1624		240				
31TP50	632-2548	2500		480	28 1/16	25	342 or 343	Red

QUARTZ TUBES	GRAINGER MODEL #	Item #	Watts	Volts	Length (in.)		Fits Model
					Overall	Heated	
 <p><i>Medium Wavelength</i></p>	1UMN6	671-3784	1500	120	39 1/16	34 3/16	OCH-46
	31TP47	671-3785	2000	240			
	1UMN7	671-5060	3000	208	50 1/16	45 3/16	OCH-57
	1UMN8	671-3786	3000	240			
<ul style="list-style-type: none"> 5/8" Diameter frosted quartz envelope Nickel-chrome alloy coiled element with porcelain end caps and pigtailed terminations Approximately 60% radiant efficiency Fast heat-up/cool-down Mechanical ruggedness: Good 	1UMN9	671-3454	450	120	12 15/16	8 7/16	FFH-912B
	1UMP1	671-3492*	550	120	19 1/2	16	FFH-512A
	1UMP2	671-5056	1000	120	18 5/16	14 7/16	CH-2212-1C
	1UMP3	671-5057	1425	240	27 5/16	23 7/16	CH-6424-1C

FLAT PANEL EMITTER ELEMENTS (for discontinued MR, CH & FHK Heaters)

GRAINGER MODEL #	MFG MODEL #	WATTS	VOLTS	Dim. (in.)		Fits "Discontinued" Heater Model		Replaces element
				L	W	Fostoria Model #	Grainger Model #	Grainger Model #
45EM42	64337-022	3150	208	48	3	MR-420-1, CH-420-1C, CH-420-3A	20HN41, 15A734, 2KDA3	20HN55, 15A748, 1UMP7
45EM43	64337-023		240			MR-424-1, CH-424-1C, CH-424-1A	20HN42, 15A735, 2KDA4	20HN56, 15A749, 1UMP8
45EM44	64337-025		480			MR-448-1, CH-448-1C, CH-448-1A	20HN43, 15A736, 2KDA5	20HN57; 15A750, 1UMP9
45EM45	64337-027	4300	208	29	12	MR-620-3, CH-620-3C, CH-620-3A	20HN44, 15A737, 2E971	20HN52, 15A745, 1UMP4
45EM46	64337-028		240			MR-624-3, CH-624-3C, CH-624-3A	20HN45, 15A738, 2E972	20HN53, 15A746, 1UMP5
45EM47	64337-030		480			MR-648-3, CH-648-3C, CH-648-3A	20HN46, 15A739, 2E973	20HN54; 15A747, 1UMP6
45EM48	64337-032	9500	208	51	12	MR-1320-3, CH-1320-3B, CH-1320-3A	20HN47, 15A740, 3E545	20HN55, 15A748, 1UMP7
45EM49	64337-033		240			MR-1324-3, CH-1324-3B, CH-1324-3A	20HN48, 15A741, 3E546	20HN56, 15A749, 1UMP8
45EM50	64337-035		480			MR-1348-3, CH-1348-3B, CH-1348-3A	20HN49, 15A742, 3E547	20HN57; 15A750, 1UMP9
45EM51	64337-038	9500	240	57	12	MR-2724-3, CH-2724-3C, CH-2724-3B	20HN50, 15A743, 3UD71	20HN56, 15A749, 1UMP8
45EM52	64337-040		480			MR-2748-3, CH-2748-3C, CH-2748-3B	20HN51, 15A744, 3UD72	20HN57; 15A750, 1UMP9
45EM53	64337-050	4300	240	27	12	FHK-624-3A	2E529	30PL15, 20HN53, 1UMP5
45EM54	64337-051		480			FHK-648-3A	2E530	30PL16, 20HN54; 1UMP6
45EM55	64337-053	9500	240	49	12	FHK-1324-3A	3E214	30PL18, 20HN56, 1UMP8
45EM56	64337-054		480			FHK-1348-3A	3E215	30PL19, 20HN57; 1UMP9

