

H.I.D. BALLASTS (HIGH PRESSURE SODIUM)

BALLAST & FUSE CHART

HIGH PRESSURE SODIUM REFERENCE TABLE

LAMP WATTAGE	LAMP TYPE	BALLAST TYPE	POWER FACTOR	PRIMARY VOLTAGE	FUSE* (AMPS)	STARTING CURRENT (AMPS)	OPERATING CURRENT (AMPS)	OPEN CIRCUIT CURRENT	LINE INPUT WATTS	OPERATING VOLTAGE RANGE**	MINIMUM STARTING AMBIENT (°C)
35	S-76	R	NPF	120	3	1.35	0.83	—	46	A	-40
50	S-68	R	NPF	120		1.80	1.18	—	62	A	-40
		HX	HPF	120 277	5 3	0.65 0.30	0.61 0.26	0.99 0.44	66	A	-40
70	S-62	R	NPF	120		2.10	1.6	—	86	A	-40
		HX	HPF	120	5	0.75	0.81	1.45	91	A	-40
				208	3	0.45	0.47	0.85			
				240	3	0.37	0.40	0.75			
277	3	0.35	0.35	0.65							
480	3	0.21	0.21	0.36	93						
100	S-54	R	NPF	120		3.05	2.1	—	115	A	-40
		HX	HPF	120	8	1.30	1.15	2.20	130	A	-40
				208	5	0.76	0.67	1.27			
				240	3	0.66	0.58	1.10			
				277	3	0.60	0.50	0.85			
480	3	0.33	0.29	0.57							
150	S-55	R	NPF	120		4.5	3.2	—	170	A	-40
		HX	HPF	120	10	2.0	1.65	2.80	188	A	-40
				208	5	1.15	0.95	1.60			
				240	5	1.0	0.83	1.40			
				277	5	0.85	0.72	1.25			
480	5	0.50	0.42	0.70							
200	S-66	CWA	HPF	120	8	1.55	2.22	1.32	240	B	-40
				208	5	0.89	1.28	0.76			
				240	5	0.78	1.11	0.66			
				277	3	0.67	0.96	0.57			
480	3	0.38	0.56	0.33							
250	S-50	CWA	HPF	120	8	1.60	2.70	2.20	295	B	-40
				208	5	0.95	1.50	1.15			
				240	5	0.85	1.36	1.00			
				277	3	0.70	1.15	0.95			
				480	3	0.40	0.65	0.60			
310	S-67	CWA	HPF	120	8	1.70	3.37	1.90	365	B	-40
				208	5	0.89	1.94	1.10			
				240	5	0.85	1.68	0.90			
				277	5	0.75	1.45	0.80			
				480	3	0.41	0.84	0.45			
400	S-51	CWA	HPF	120	10	2.70	3.80	2.00	457	B	-40
				208	8	1.70	2.20	1.20			
				240	5	1.40	1.90	0.95			
				277	5	1.30	1.70	0.85			
				480	3	0.70	1.00	0.55			
750	S-111	CWA	HPF	120	20	6.68	7.12	3.0	850	B	-40
				208	10	3.85	4.10	1.73			
				240	10	3.34	3.56	1.50			
				277	10	2.90	3.10	1.30			
				480	5	1.67	1.78	0.75			
1000	S-52	CWA	HPF	120	20	6.35	9.50	4.8	1100	B	-40
				208	15	3.80	5.50	2.7			
				240	10	3.20	4.75	2.4			
				277	10	2.75	4.15	2.2			
				480	8	1.60	2.30	1.2			

*Type KTK fuse recommended.

**See table at lower right.

HIGH PRESSURE SODIUM BALLASTS (and Low-Wattage Metal Halide Ballasts)

Remote ballast-to-lamp mounting distances for these ballasts are limited by the capabilities of the ignitor, because the ignitor must always be mounted with the ballast.

	Wattage	Ballast Type	Maximum Distance To Lamp		Voltage Ranges (Volts)					
			Standard Ignitor	Long Range Ignitor	A (5%)			B (10%)		
High Pressure Sodium	35-150w	HR Reactor	2'	35'	HIGH	RATED	LOW	HIGH	RATED	LOW
	35-150w	All	2'	15'	126	120	114	132	120	108
	200-1000w	All	2'	50'	218	208	198	229	208	187
Low-Wattage Metal Halide	50w	HX	5'	NA	252	240	228	264	240	216
	70w	HX	7'	NA	291	277	263	305	277	249
	100w	HX	2'	NA	504	480	456	528	480	432