

PULSE START METAL HALIDE

		High Power Factor, 60 Hz		
Ballast Type		System Wattage	Starting Amperes	Operating Amperes
150W PSMH				
277V	Reactor	170	1.50†	0.65
120V	CWA	190	1.40	1.70
208V	CWA	190	0.80	1.00
240V	CWA	190	0.70	0.85
277V	CWA	190	0.60	0.75
347V	CWA	190	0.40	0.55
480V	CWA	190	0.25	0.40
250W PSMH				
277V	Reactor	275	1.35†	1.10
120V	CWA	288	1.40	2.50
208V	CWA	288	0.80	1.45
240V	CWA	288	0.70	1.25
277V	CWA	288	0.60	1.10
347V	CWA	288	0.50	0.90
480V	CWA	288	0.35	0.60
320W PSMH				
277V	Reactor	349	1.70	1.40
120V	CWA	368	2.60	3.20
208V	CWA	368	1.50	1.80
240V	CWA	368	1.30	1.60
277V	CWA	368	1.15	1.40
347V	CWA	368	0.85	1.15
480V	CWA	368	0.60	0.80
400W PSMH				
277V	Reactor	435	2.10	1.70
120V	CWA	450	3.50	4.00
208V	CWA	450	2.00	2.30
240V	CWA	450	1.75	2.00
277V	CWA	450	1.50	1.75
347V	CWA	452	1.20	1.40
480V	CWA	455	0.90	1.00
750W PSMH				
277V	Reactor	—	—	—
120V	CWA	815	4.80	6.80
208V	CWA	815	2.80	4.00
240V	CWA	815	2.40	3.40
277V	CWA	815	2.10	3.00
347V	CWA	820	1.70	2.40
480V	CWA	820	1.10	1.70
1000W PSMH				
277V	Reactor	—	—	—
120V	CWA	1080	6.00	9.00
208V	CWA	1080	3.50	5.20
240V	CWA	1080	3.00	4.50
277V	CWA	1080	2.60	3.90
347V	CWA	1080	2.10	3.15
480V	CWA	1080	1.50	2.30

† Denotes open circuit amperes when value exceeds starting current amperes.

METAL HALIDE

High Power Factor, 60 Hz			Normal Power Factor, 60 Hz			
System Wattage	Starting Amperes	Operating Amperes	System Wattage	Starting Amperes	Operating Amperes	
50W MH						
120V	68	1.20†	0.60	70	2.40	1.50
208V	68	0.65†	0.35	70	1.25	0.85
240V	68	0.60†	0.30	70	1.00	0.75
277V	68	0.50†	0.25	70	0.80	0.65
347V	72	0.40†	0.25	72	0.80	0.55
480V	—	—	—	—	—	—
70W MH						
120V	90	1.70†	0.80	90	2.60	2.10
208V	90	0.95†	0.45	90	1.50	1.20
240V	90	0.85†	0.40	90	1.25	1.00
277V	90	0.70†	0.35	90	1.10	0.85
347V	90	0.60†	0.30	90	1.05	0.70
480V	—	—	—	—	—	—
100W MH						
120V	127	2.60†	1.10	127	4.00	3.00
208V	127	1.50†	0.65	127	2.30	1.50
240V	127	1.30†	0.55	127	2.00	1.35
277V	127	1.20†	0.50	127	1.75	1.30
347V	130	1.00†	0.40	130	1.40	1.00
480V	—	—	—	—	—	—
175W MH						
120V	210	1.60	1.80			
208V	210	0.90	1.10			
240V	210	0.80	0.90			
277V	210	0.70	0.80			
347V	210	0.50	0.65			
480V	211	0.30	0.45			
250W MH						
120V	289	1.80	2.50			
208V	289	1.10	1.45			
240V	289	0.90	1.25			
277V	289	0.80	1.10			
347V	289	0.60	0.90			
480V	295	0.50	0.65			
400W MH						
120V	455	2.80	4.00			
208V	455	1.60	2.30			
240V	455	1.40	2.00			
277V	455	1.20	1.75			
347V	455	1.10	1.40			
480V	457	0.70	1.00			
1000W MH						
120V	1080	6.00	9.00			
208V	1080	3.50	5.20			
240V	1080	3.00	4.50			
277V	1080	2.60	3.90			
347V	1080	2.10	3.15			
480V	1080	1.60	2.25			

ELECTRONIC METAL HALIDE

50/60 Hz		
System Wattage	Operating Amperes	
35W MH		
120V	45	0.40
277V	44	0.20
50W MH		
120V	56	0.50
277V	55	0.20
70W MH		
120V	82	0.70
277V	81	0.30
100W MH		
120V	112	0.90
277V	110	0.40
150W MH		
120V	169	1.40
277V	166	0.60

NOTE: Consult factory for voltages not shown here and for line amperes data when using quartz option.

HIGH PRESSURE SODIUM

	High Power Factor, 60 Hz			Normal Power Factor, 60 Hz		
	System Wattage	Starting Amperes	Operating Amperes	System Wattage	Starting Amperes	Operating Amperes
35W HPS						
120V	46	0.80†	0.40	46	1.40	0.85
208V	56	0.60*†	0.35*	54	0.95	0.70
240V	56	0.50*†	0.30*	54	0.85	0.60
277V	56	0.45*†	0.25	54	0.70	0.55
347V	—	—	—	—	—	—
480V	—	—	—	—	—	—
50W HPS						
120V	62	1.00†	0.60	62	1.80	1.20
208V	79	0.85*†	0.45*	78	1.35	0.90
240V	79	0.70*†	0.40*	78	1.15	0.80
277V	79	0.60*†	0.40*	78	1.00	0.70
347V	—	—	—	—	—	—
480V	—	—	—	—	—	—
70W HPS						
120V	86	1.30†	0.80	86	2.10	1.75
208V	96	0.90†	0.55	99	1.50	1.10
240V	105	0.80†	0.50	99	1.30	0.95
277V	105	0.70†	0.45	99	1.10	0.90
347V	93	0.60†	0.35	93	0.85	0.60
480V	94	0.40†	0.25	94	0.55	0.50
100W HPS						
120V	115	1.80†	1.10	115	3.10	2.15
208V	130	1.30†	0.70	130	1.80	1.30
240V	130	1.10†	0.60	130	1.60	1.15
277V	130	1.00*†	0.60*	130	1.85	1.60
347V	130	0.70†	0.40	130	1.05	0.80
480V	130	0.60†	0.35	130	0.80	0.65
150W HPS						
120V	170	2.40†	1.55	170	4.50	3.30
208V	188	1.60†	1.00	188	2.90	1.85
240V	188	1.40†	0.85	188	2.50	1.65
277V	188	1.30†	0.80	188	2.55	2.00
347V	188	0.90†	0.60	188	1.55	1.10
480V	188	0.70†	0.45	188	1.20	1.00
250W HPS						
120V	300	1.75	2.50			
208V	300	1.00	1.50			
240V	300	0.85	1.30			
277V	300	0.75	1.10			
347V	300	0.75	0.90			
480V	300	0.45	0.70			
400W HPS						
120V	460	3.30	3.80			
208V	460	1.90	2.20			
240V	460	1.65	1.90			
277V	460	1.40	1.70			
347V	460	1.15	1.30			
480V	460	0.80	1.00			
1000W HPS						
120V	1100	5.00	9.50			
208V	1100	3.00	5.50			
240V	1100	2.60	4.80			
277V	1100	2.20	4.20			
347V	1100	1.70	3.30			
480V	1100	1.30	2.40			

* Not truly High Power Factor, but rather Power Factor Corrected P.F. between 80 and 90%.

† Denotes open circuit amperes when value exceeds starting current amperes.

NOTE: Consult factory for voltages not shown here and for line amperes data when using quartz option.

COMPACT FLUORESCENT

	High Power Factor, 60 Hz			
	System Wattage	Starting Amperes	Operating Amperes	Ballast Type
13W single tube/2-pin (L-213S235)				
120V	16	0.36	0.14	Magnetic
277V	24	0.30	0.10	
13W double tube/2-pin (L-213D235)				
120V	17	0.14	0.14	Magnetic
277V	21	0.11	0.09	
13W double tube/4-pin (L-213D435)				
120V	17	—	0.13	Electronic
277V	17	—	0.06	
18W single tube/4-pin (L-218S435)				
120V	33	—	0.28	Electronic
18W triple tube/4-pin (L-218T435)				
120V	37	—	0.31	Electronic
277V	37	—	0.13	
24W single tube/2-pin (L-2T524835)				
120V	55*	—	0.47	Electronic
26W double tube/2-pin (L-226D235)				
120V	28	0.33	0.24	Electro-magnetic
277V	32	0.38	0.11	
26W double tube/4-pin (L-226D435)				
120V	27	—	0.23	Electronic
277V	27	—	0.09	
26W triple tube/4-pin (L-226T435)				
120V	26	—	0.22	Electronic
277V	26	—	0.09	
27W single tube/4-pin (L-227S435)				
120V	49*	—	0.42	Electronic
32W triple tube/4-pin (L-232T435)				
120V	36	—	0.30	Electronic
277V	36	—	0.13	
39W single tube/4-pin (L-239T435)				
120V	64*	—	0.55	Electronic
42W triple tube/4-pin (L-242T435)				
120V	47	—	0.39	Electronic
277V	47	—	0.17	
57W quad tube/4-pin (L-257T435)				
120V	59	—	0.50	Electronic
277V	59	—	0.21	
70W quad tube/4-pin (L-270Q430)				
120V	75	—	0.63	Electronic
277V	75	—	0.27	
	Normal Power Factor, 60 Hz			
	System Wattage	Starting Amperes	Operating Amperes	Ballast Type
13W double tube/2-pin (L-213D435)				
120V	17	0.40	0.30	Magnetic
277V	22	0.35	0.16	

*2-Lamp ballast data.



2D FLUORESCENT

High Power Factor, 60 Hz

	System Wattage	Starting Amperes	Operating Amperes	Ballast Type
21W 2D® Plug-In/4-pin				
120V	22	–	0.17	Electronic
277V	21	–	0.08	
28W 2D® Plug-In/4-pin				
120V	30	–	0.21	Electronic
277V	28	–	0.10	
38W 2D® Plug-In/4-pin				
120V	42	–	0.31	Electronic
277V	38	–	0.14	
28W 2D® Plug-In/4-pin (Universal Voltage Ballast)				
120-277V	28	–	0.11/0.24	Electronic
38W 2D® Plug-In/4-pin (Universal Voltage Ballast)				
120-277V	38	–	0.33/0.14	Electronic

2D is a registered trademark of GE Lighting.

LINEAR FLUORESCENT

	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Max THD	Power Factor
T8 2-Lamp					
120V	0.62	74	1.15	10%	0.99
208V*	0.36	74	1.15	11%	0.98
240V*	0.30	73	1.15	12%	0.98
277V	0.27	73	1.15	13%	0.98
T8 4-Lamp					
120V	1.36	151	1.15	10%	0.99
208V*	0.72	149	1.15	11%	0.98
240V*	0.62	148	1.15	12%	0.98
277V	0.59	147	1.15	13%	0.98
T8 6-Lamp					
120V	1.84	222	1.15	10%	0.99
208V*	1.06	221	1.15	11%	0.98
240V*	0.92	220	1.15	12%	0.98
277V	0.80	218	1.15	13%	0.98
T5HO 2-Lamp					
120V	1.00	120	1.00	10%	0.98
208V*	0.57	119	1.00	10%	0.98
230V	0.52	117	1.00	10%	0.98
240V*	0.49	117	1.00	10%	0.98
277V	0.43	117	1.00	10%	0.98
347V	0.35	120	1.00	10%	0.98
480V	0.25	119	1.00	10%	0.98
T5HO 4-Lamp					
120V	2.00	241	1.00	10%	0.98
208V*	1.15	240	1.00	10%	0.98
240V*	0.99	238	1.00	10%	0.98
277V	0.85	236	1.00	10%	0.98
347V	0.70	240	1.00	10%	0.98
480V	0.50	238	1.00	10%	0.98
T5HO 6-Lamp					
120V	3.00	361	1.00	10%	0.98
208V*	1.73	359	1.00	10%	0.98
240V*	1.48	356	1.00	10%	0.98
277V	1.28	353	1.00	10%	0.98
347V	1.05	360	1.00	10%	0.98
480V	0.75	357	1.00	10%	0.98

*Estimated Values