

Areamaster™ 250/400

Integrally ballasted floodlights for 400W, 250W, 150W, 100W, or 70W high pressure sodium lamps; 400W, 250W, or 175W metal halide lamps; or 400W, 250W, or 175W mercury vapor lamps. For general, marine, and Class I, Div. 2, Groups A, B, C and D hazardous locations.

Ordering Information

Lamp	Line Voltage	For General Duty		For Class 1, Div. 2 Classified Duty and Marine ^②	T Numbers and Temperatures ^①	
		Yoke Mount Cat. No.'s♦	Slip-Fit Mount Cat. No.'s†	Yoke Mount Cat. No.'s	T Rating	T Rating Temperature Range
High Pressure Sodium						
400W HPS	120-277◇	G-AM771L-MT	G-AM775L-MT	G-AM771L-MT-I/2	350°C	326-350°C
400W HPS	480	G-AM771L-48	G-AM775L-48	G-AM771-48-I/2	350°C	326-350°C
250W HPS	120-277◇	G-AM671L-MT	G-AM675L-MT	G-AM671L-MT-I/2	T2A	261-280°C
250W HPS	480	G-AM671L-48	G-AM675L-48	G-AM671L-48-I/2	T2A	261-280°C
150W HPS	120-277◇	—	—	G-AML471L-MT-I/2	T2C	230-216°C
150W HPS	480	—	—	G-AML471L-48-I/2	T2C	230-216°C
100W HPS	120-277◇	—	—	G-AML371L-MT-I/2	T3	181-200°C
100W HPS	480	—	—	G-AML371L-48-I/2	T3	181-200°C
70W HPS	120-277◇	—	—	G-AML271L-MT-I/2	T3C	136-160°C
70W HPS	480	—	—	G-AML271L-48-I/2	T3C	136-160°C
Metal Halide						
400W MH	120-277◇	G-AM771H-MT	G-AM775H-MT	G-AM771H-MT-I/2	325°C	301-325°C
400W MH	480	G-AM771H-48	G-AM775H-48	G-AM771H-48-I/2	325°C	301-325°C
250W MH	120-277◇	G-AM671H-MT	G-AM675H-MT	G-AM671H-MT-I/2	T2A	261-280°C
250W MH	480	G-AM671H-48	G-AM675H-48	G-AM671H-48-I/2	T2A	261-280°C
175W MH	120-277◇	G-AM571H-MT	G-AM575H-MT	G-AM571H-MT-I/2	T2C	216-230°C
175W MH	480	G-AM571H-48	G-AM575H-48	G-AM571H-48-I/2	T2C	216-230°C
Mercury Vapor						
400W MV	120-277◇	G-AM771M-MT	G-AM775M-MT	G-AM771M-MT-I/2	350°C	326-350°C
400W MV	480	G-AM771M-48	G-AM775M-48	G-AM771M-48-I/2	350°C	326-350°C
250W MV	120-277◇	G-AM671M-MT	G-AM675M-MT	G-AM671M-MT-I/2	325°C	301-325°C
250W MV	480	G-AM671M-48	G-AM675M-48	G-AM671M-48-I/2	325°C	301-325°C
175W MV	120-277◇	G-AM571M-MT	G-AM575M-MT	G-AM571M-MT-I/2	T2B	231-260°C
175W MV	480	G-AM571M-48	G-AM575M-48	G-AM571M-48-I/2	T2B	231-260°C

◇Ballast has primary taps for 120V, 208V, 240V, and 277V. †Slip-fits 2" or 2-1/2" pipe-size tenons. ♦Add suffix E to catalog number if provision for quartz emergency lamp is desired. Furnished with socket installed and pre-wired. *Quartz emergency lamp not available for Class I, Div. 2 fixtures. Classified duty floodlights have 1/2" N.P.T. tapped hub for power entry. Use 90° supply wire. ①Consult factory for elevated ambient suitability. ② For Hot Restrike options, add -HRE suffix for 70-150W HPS units.

Areamaster™ 250/400

Integrally ballasted floodlights for 400W, 250W, 150W, 100W, or 70W high pressure sodium lamps; 400W, 250W, or 175W metal halide lamps; or 400W, 250W, or 175W mercury vapor lamps. For general, marine, and Class I, Div. 2, Groups A, B, C and D hazardous locations.

Applications

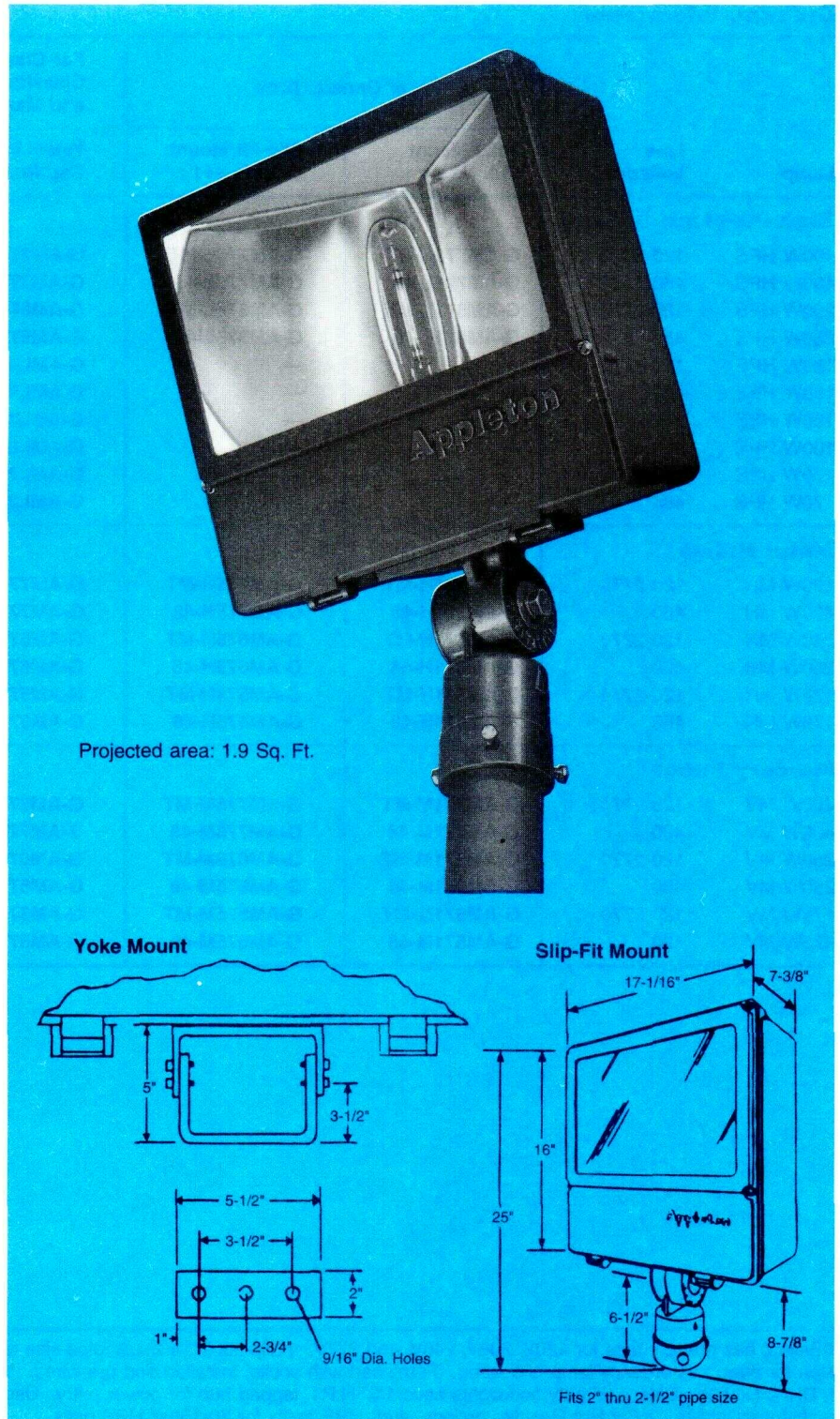
- Powerful, efficient weatherproof lighting for medium and large areas such as shopping malls, parking lots, sports areas, new-car lot lighting, security lighting and industrial process lighting.

Features

- Compact in size, attractively styled contemporary design, rugged and dependable.
- Easy to install and service.
- Integral ballast; choice of multi-tap for 120, 208, 240, or 277V lines, or for 480 lines.
- Housing: one-piece pressure-cast copper-free aluminum with architectural bronze POLYESTER finish.
- Lens door: one-piece pressure-cast copper-free aluminum with architectural bronze POLYESTER finish. Secured by four 1/4" Dia. captive stainless steel slotted hex-head bolts.
- Lens: thermal-shock and impact resistant glass.
- Gasket: heavy duty, high temperature silicone rubber, firmly seated.
- Socket: heavy duty, mogul base porcelain with heavy gauge brass, nickel plated, double lamp-grip screw shell and spring loaded center contact.
- Reflector: compound parabolic, double segment, Alzak® finished aluminum for optimum efficiency.
- Mounting Choice: (1) Yoke mount, zinc plated steel yoke with architectural bronze POLYESTER finish. (2) Pole mount, built-in slip-fitter, for internal wiring. Adjustable laterally and vertically, slip-fits 2" or 2-1/2" pipe. Architectural bronze POLYESTER finish.
- Cool operating temperatures for Class I, Division 2 fixtures translate into long luminaire life.

Compliances

- UL Standard 1572.
- UL Standard 844.
- UL Standard 595.
- Appleton aluminum products are produced from a high strength copper-free (4/10 of 1% max.) alloy.



Areamaster™ 250/400

Integrally ballasted floodlights for 400W, 250W, 150W, 100W, or 70W high pressure sodium lamps; 400W, 250W, or 175W metal halide lamps; or 400W, 250W, or 175W mercury vapor lamps. For general, marine, and Class I, Div. 2, Groups A, B, C and D hazardous locations.

ELECTRICAL SPECIFICATIONS

For C.W.A. type ballasts

Line Volts	Start. Amps	Oper. Amps	Total Watts	Start. Amps	Oper. Amps	Total Watts	Start. Amps	Oper. Amps	Total Watts	Start. Amps	Oper. Amps	Total Watts
	400W High Pressure Sodium			400W Metal Halide			250W Metal Halide			175W Metal Halide		
120	2.7	3.8	457	3.0	4.0	460	1.62	2.52	295	1.3	1.8	215
208	1.7	2.2	457	1.9	2.3	460	0.95	1.46	295	0.75	1.05	215
240	1.4	1.9	457	1.7	2.0	460	0.82	1.26	295	0.65	0.9	215
277	1.3	1.7	457	1.45	1.7	460	0.71	1.1	295	0.55	0.8	215
480	0.7	1.0	457	0.82	1.0	460	0.4	0.63	295	0.35	0.45	215
	250W High Pressure Sodium			400W Mercury Vapor			250W Mercury Vapor			175W Mercury Vapor		
120	1.6	2.7	295	3.2	3.9	455	2.35	2.5	285	1.3	1.8	205
208	0.95	1.5	295	2.0	2.2	455	1.43	1.45	285	0.7	1.1	205
240	0.8	1.3	295	1.7	1.95	455	1.09	1.25	285	0.6	0.9	205
277	0.7	1.15	295	1.5	1.7	455	0.94	1.10	285	0.52	0.78	205
480	0.4	0.65	295	0.95	0.98	455	0.48	0.62	285	0.45	0.48	210

For HX-HPF type ballasts

Line Volts	Start. Amps	Oper. Amps	Total Watts	Start. Amps	Oper. Amps	Total Watts	Start. Amps	Oper. Amps	Total Watts
	70W High Pressure Sodium			100W High Pressure Sodium			150W High Pressure Sodium		
120	0.90	0.82	94	0.80	1.14	128	1.95	1.66	188
208	0.50	0.48	94	0.55	0.66	128	1.10	0.96	188
240	0.44	0.41	94	0.41	0.57	128	0.95	0.83	188
277	0.35	0.36	94	0.35	0.49	128	0.88	0.72	188
480	0.21	0.20	94	0.22	0.28	128	0.36	0.44	188

Use 90°C rated supply wire.