Areamaster Jr.™ HID Wide–Beam Floodlights

Integrally Ballasted. 150 W, 100 W, 70 W, 50 W HPS; 100 W PSMH. Medium Base.

Applications

- Available for use with HPS or PSMH medium base lamps.
- HPS luminaires, with their superior energy efficiency are excellent for such applications as:
  - — Security lighting
  - — Small sports areas
  - — Parking areas
  - — Apartment complexes
  - — Hotels and motels
  - — Work area lighting
  - — Accent, building facade and sign lighting
- PSMH luminaires, with their near perfect color rendition, are recommended for:
  - — Car lots
  - — Garden shops
  - — Small sports areas
  - — Billboards
  - — Building facades
  - — Airports
  - — Security areas
- HPS and PSMH floodlights replace higher wattage, inefficient quartz and PAR lighting.
- Suitable for use in wet locations.

Features

- HPS units use approximately 80% less energy than incandescent PAR-38 lamps and 70-75% less than quartz lamps. In lumen output, the 50 W HPS unit is comparable to two 150 W PAR 38 incandescent lamps; 70 W HPS to 300 W T-3 quartz; and 100 W HPS to 500 W T-3 quartz.
- Beam pattern is NEMA Type 7.
- Extra-compact, high efficiency floodlights designed specifically for the small size of HID medium base lamps.
- Compact size permits use of existing poles for retrofitting quartz fixtures.
- Ruggedly built for dependable, vandal-resistant service. Attractively styled. Easy to install, aim, and service, with easy access to interior.
- Durable architectural bronze polyester finish resists chipping, peeling and fading no matter what the weather or climate conditions.
- Mounting arm: heavy duty, degree-marked swivel mounting arm with 3/4" pipe thread and locknut. Allows vertical and horizontal adjustment. Order mounting accessories separately.
- Medium base porcelain socket with nickel-plated contacts. Rated for 4-KV pulse. Furnished with 392 °F/200 °C leads, pre-wired to the ballast.
- Reflector: precision parabolic design, natural finish, aluminum for maximum efficiency.
- Patented hinged door has thermal shock and impact resistant glass lens, secured within diecast aluminum frame with two captive stainless hex head steel screws for watertight fit.
- HPF ballasts have non-PCB capacitors.

Projected Area: 0.7 Sq. Ft.

Standard Materials

- Ballast housing, door and mounting arm: diecast heavy gauge aluminum
- Reflector: heavy gauge aluminum
- Lens: heat- and impact-resistant tempered glass
- Gasket: heavy, high temperature silicone rubber

Standard Finishes

- Reflector: diffused anodized natural finish
- Housing, lens door and mounting arm: architectural bronze polyester finish

Certifications and Compliances

- UL Standard: 1598 (supersedes UL Standard 1572).
- Suitable for use in wet locations
- CSA Certified: LR9349

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Description	Line Voltage	Catalog Number
Pulse Start Metal Halide Fixtures		
100 Watt Metal Halide HX-Auto Ballast, High Power Factor	120	**G-MM350H-12H ❶❷**
High Pressure Sodium Fixtures		
50 Watt High Pressure Sodium Reactor Ballast	120	**G-MM150L-12R**
50 Watt High Pressure Sodium Reactor Ballast, High Power Factor	120	**G-MM150L-12RH ❶**
70 Watt High Pressure Sodium Reactor Ballast	120	**G-MM250L-12R**
70 Watt High Pressure Sodium Reactor Ballast, High Power Factor	120	**G-MM250L-12RH ❶**
100 Watt High Pressure Sodium Reactor Ballast	120	**G-MM350L-12R**
100 Watt High Pressure Sodium Reactor Ballast, High Power Factor	120	**G-MM350L-12RH ❶❷**
150 Watt High Pressure Sodium Reactor Ballast	120	**G-MM450L-12R**
150 Watt High Pressure Sodium Reactor Ballast, High Power Factor	120	**G-MM450L-12RH ❶❷**

Accessories and Replacement Parts

	Description	Catalog Number
	**Crossarm Mount** Has wiring compartment, 180° horizontal position scale. Mounts with bolt (not furnished). Aluminum. Includes cord grip.	**G-6028N**
	**Channel Crossarm** Extruded aluminum, with slide-off cover. Six 3/4" threaded holes, with three close-up plugs. Mounts five luminaires. Mounts on 3/4" conduit or on G-810 poletop fitter.	**G-6017**
	**Pipe or Wall Mount Bracket** Mounts on 1" to 2" pipe, vertical or horizontal, or mounts on flat surfaces (used with G6028N) Includes U-bolts and bolt for G-6028N. Malleable iron.	**G-VB101**
	**Poletop Fitter** Cast aluminum, for mounting to 1-1/2" or 2" pipe. Has setscrews for securing to pole. 3/4" tapped top hub to accommodate luminaire or Channel Crossarm above.	**G-810**
	Wire Guard Mounts to lens door with screws furnished. Zinc plated.	**G-506**
	Top Visor Aluminum. Easy to install with hardware supplied.	**G-MM4V**
	Vandal Shield UV stabilized polycarbonate, with installation hardware and instructions.	**G-MM-4-VS**
	Replacement Lens and Frame Assembly	**G5005RFL**
	Replacement Lens Only	**59601252002**

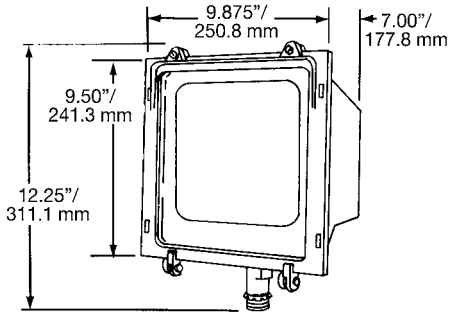
*❶ 208 V, 240 V or 277 V also available. For 208 V, change voltage suffix -**12** to -**20**; for 240 V, change -**12** to -**24**; and for 277 V, change -**12** to -**27**.*
*❷ For 347 V, change voltage suffix -**12H** to -**34**.*

Areamaster Jr.™ HID Wide–Beam Floodlight Specifications

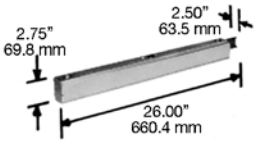
Integrally Ballasted. 150 W, 100 W, 70 W, 50 W HPS; 100 W PSMH. Medium Base.

Line Voltage	Type of Ballast	Starting Amps	Operating Amps	Total Watts
100-Watt Metal Halide				
120	HX-Auto, High Power Factor	1.22/.44	1.15/.50	129
150-Watt High Pressure Sodium				
120	Reactor	4.50	3.20	170
120	Reactor, High Power Factor	2.20	1.50	170
100-Watt High Pressure Sodium				
120	Reactor	3.05	2.10	115
120	Reactor, High Power Factor	1.50	1.05	115
70-Watt High Pressure Sodium				
120	Reactor	2.10	1.60	83
120	Reactor, High Power Factor	0.89	0.75	86
50-Watt High Pressure Sodium				
120	Reactor	1.80	1.18	62
120	Reactor, High Power Factor	0.95	0.55	60

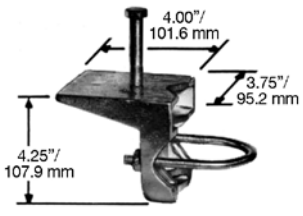
Dimensions



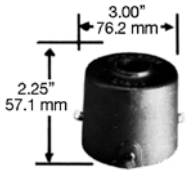
Crossarm Mount



Channel Crossarm



Pipe/Wall Mount Bracket



Poletop Fitter

Areamaster Jr.™ HID Wide–Beam Floodlight Photometric Data

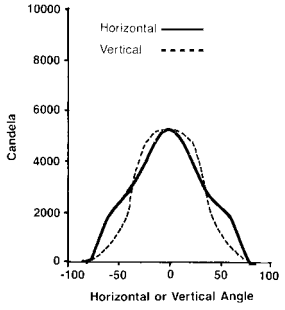
Integrally Ballasted. 150 W, 100 W, 70 W, 50 W HPS; 100 W PSMH. Medium Base.

Fixture Wattage and HID Lamp—All Medium Base Clear. All Fixtures produce NEMA Type 7 Beam Pattern.

Photometric Data	150 W HPS	100 W HPS	70 W HPS	50 W HPS	100 W PSMH
Horizontal Spread	146°	146°	146°	146°	136°
Beam Lumens	10,150	6036	3676	2536	4864
Beam Efficiency	63%	64%	63%	63%	68%
Maximum CP	5750	3415	2084	1437	3039
Average Maximum CP	5317	3158	1927	1328	2581
Total Lumens	10,422	6186	3746	2576	4972
Total Efficiency	65%	65%	65%	64%	69%

Candlepower Distribution All data based on fixture with clear medium base lamp

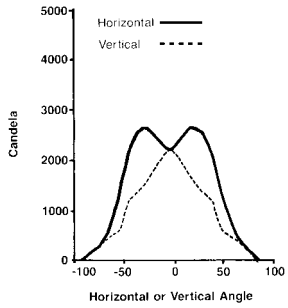
150-Watt High Pressure Sodium



0° Candela Table

Angle	Horizontal	Vertical
-85.5	102	13
-76.5	175	112
-67.5	1224	450
-58.5	1972	774
-49.5	2319	1280
-40.5	2707	2070
-31.5	3302	3838
-22.5	4091	4842
-13.5	4888	5252
-4.5	5334	5390
0.0	5388	5388
4.5	5334	5390
13.5	4888	5252
22.5	4091	4842
31.5	3302	3838
40.5	2707	2070
49.5	2319	1280
58.8	1972	774
67.5	1224	450
76.5	175	112
85.5	102	13

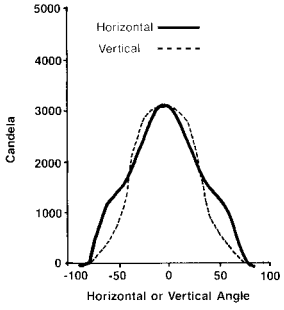
100-Watt Metal Halide



0° Candela Table

Angle	Horizontal	Vertical
-76.6	96	11
-68.0	233	285
-60.0	415	417
-52.0	772	536
-44.0	1471	660
-36.0	2226	1269
-28.0	2641	1442
-20.0	2729	1662
-12.0	2537	1957
-4.0	2296	2226
0.0	2273	2273
4.0	2296	2226
12.0	2537	1957
20.0	2729	1662
28.0	2641	1442
36.0	2226	1269
44.0	1471	660
52.0	772	536
60.0	415	417
68.0	233	285
76.0	96	11

100-Watt High Pressure Sodium



0° Candela Table

Angle	Horizontal	Vertical
-85.5	61	8
-76.5	104	67
-67.5	727	267
-58.5	1171	459
-49.5	1378	760
-40.5	1608	1229
-31.5	1961	2280
-22.5	2430	2876
-13.5	2903	3119
-4.5	3168	3201
0.0	3200	3200
4.5	3168	3201
13.5	2903	3119
22.5	2430	2876
31.5	1961	2280
40.5	1608	1229
49.5	1378	760
58.5	1171	459
67.5	727	267
76.5	104	67
85.5	61	8