

Areamaster™ 1000 Floodlights

Integrally Ballasted. 1000 W and 1500 W HID

For ordinary locations. NOT available for use in CEC governed locations.

NEC:
Listed for Ordinary (Unclassified) Locations

Applications

- Powerful, efficient weatherproof floodlights for large areas such as:
 - Shopping malls
 - Industrial complexes
 - Ship loading areas
 - Mining sites
 - Parking lots
 - Sports areas
- Suitable for wet locations.

Features

- Highly efficient, integrally ballasted floodlight. Has compact, lightweight, yet rugged diecast aluminum construction. Combines architecturally beautiful design with rugged dependability, simple installation and maintenance.
- Easy to install and service.
- A wide range of ballasts and voltages are available for both domestic and export applications.
- Integral ballast.
- One-piece housing.
- One-piece lens cover. Secured by four 1/4" Dia. captive stainless steel slotted hex-head bolts.
- Thermal shock and impact resistant glass lens.
- Heavy duty, high temperature silicone rubber gasket, firmly seated.
- Heavy duty mogul-base porcelain socket with heavy gauge brass, nickel-plated, double lamp-grip screw shell and spring-loaded center contact.
- Compound parabolic, double segment, finished aluminum reflector 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.
- 3/4" NPT tapped hub for power entry.



Yoke



Slip-Fit

Projected Area: 0.31 Sq. M (3.36 Sq. Ft.)

Standard Materials

- Ballast housing and lens door: copperfree (4/10 of 1% max.) aluminum
- Gasket: silicone rubber
- Socket: heavy duty porcelain with heavy gauge brass shell
- Reflector: finished aluminum
- Yoke mount: zinc plated steel
- Bolts: stainless steel

Standard Finishes

- Ballast housing, lens cover, yoke and pole mount: architectural bronze polyester
- Socket: nickel-plated

NEC Certifications and Compliances

- UL Standard: UL 1598
- UL Listed: E85142

HID/FLOODLIGHT: NEC/CEC ORDINARY LOCATION

Order using catalog numbering guide below or select catalog number from tables on following pages.

Catalog Numbering Guide For Areamaster 1000 Floodlights

GAM	86	1	H	MT	FN
Series: Areamaster 1000 Series	Wattage: 86 - 1000 W HPS, MH, PSMH 96 - 1500 W MH	Mounting: 1 - Yoke 5 - Integral Pole Slip-fit ①	Lamp Type: H - Metal Halide L - High Pressure Sodium P - Pulse Start Metal Halide	Voltage: MT - 120/208/240/277 - 60 Hz, CWA 48 - 480 - 60 Hz, CWA	Options: FN - 120V Integral Fuse FP - 208V Integral Fuse FS - 240V Integral Fuse FT - 277V Integral Fuse FF - 480V Integral Fuse L - HID Lamp PR - Photocontrol Receptacle

① Slip-fits 2" or 2-1/2" pipe-size tenons.

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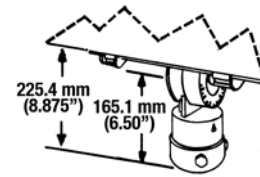
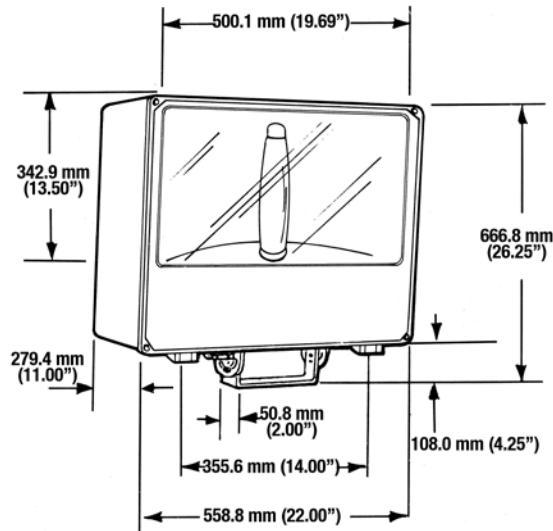
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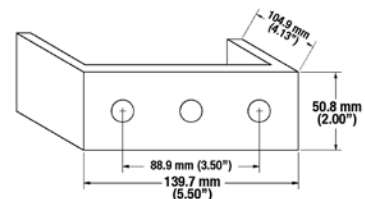
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Lamp Watts	Line Voltage	Weight kg (lb)	Volume dm ³ (in ³)	Yoke Mount Catalog Number	Slip-Fit Mount Catalog Number ①
High Pressure Sodium					
1000	120/208/240/277	29.48 (65.0)	75.7 (4620)	G-AM861L-MT	G-AM865L-MT
1000	480			G-AM861L-48	G-AM865L-48
Metal Halide					
1000	120/208/240/277	29.48 (65.0)	75.7 (4620)	G-AM861H-MT	G-AM865H-MT
1000	480			G-AM861H-48	G-AM865H-48
1500	120/208/240/277	29.48 (65.0)	75.7 (4620)	G-AM961H-MT	G-AM965H-MT
1500	480			G-AM961H-48	G-AM965H-48
Pulse Start Metal Halide					
1000	120/208/240/277	29.48 (65.0)	75.7 (4620)	G-AM861P-MT	G-AM865P-MT
1000	480			G-AM861P-48	G-AM865P-48

Dimensions in Millimeters (Inches)



Slip-Fit Mount



Yoke Mount







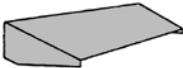
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	Description	Catalog Numbers
Crossarm Mounting Bracket 	Has 180° horizontal adjustment — degree marked. Facilitates mounting floodlight to crossarm or other flat surface, or to G-AM-8-WB. Includes floodlight yoke bolts. Malleable iron, zinc plated, chromate sealed, architectural bronze polyester finish.	G-AM-8-CA
Pipe or Wall Mount Bracket 	Used with G-AM-8-CA. Clamps to 1" to 2-1/2" pipe, vertical or horizontal, or mounts on flat surfaces. Includes U-bolt and crossarm bracket bolts. Malleable iron, zinc plated, chromate sealed, with architectural bronze polyester finish.	G-AM-8-WB
Poletop Slip-Fitter 	Slip-fits 1-1/2" or 2" pipe size poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Body is malleable iron-zinc plated, chromate sealed, with cast aluminum cap. Assembly has architectural bronze polyester finish.	G-SF20
	Slip-fits 2" or 2-1/2" poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Malleable iron, zinc plated, chromate sealed, with architectural bronze polyester finish.	G-AM-8-SF
Locking-Type Photocontrol Receptacle 	For NEMA type photocontrol, with installation hardware and instructions.	G-1PCR
Vandal Shield 	UV stabilized polycarbonate, with installation hardware and instructions.	G-AM-8-NVS
Top Visor 	Easy to install with hardware supplied. Aluminum, with architectural bronze polyester finish.	G-AM-6-NV

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Appleton®

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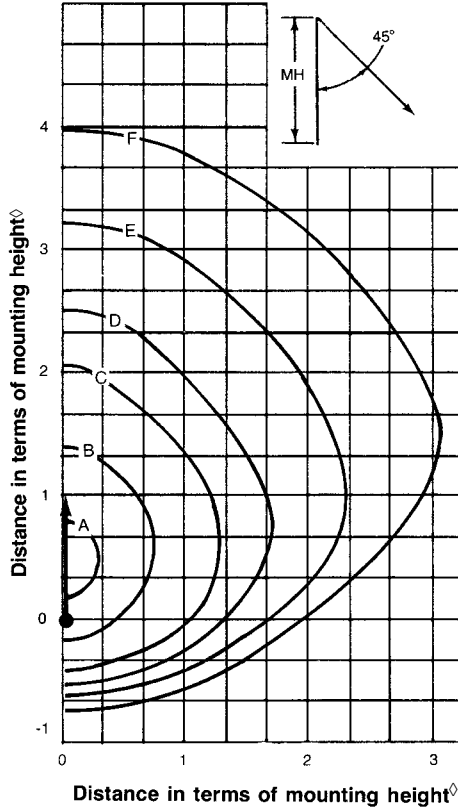
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Photometric Data

Typical Footcandle Values ①



Mtg. Ht. M (Ft)	Footcandle Values for Iso Footcandle Lines					
	A	B	C	D	E	F
1000W HPS Clear, 140,000 Lumens, Cat. No. G-AM861L-MT						
18.3 (60)	8.0	3.0	1.0	0.5	0.20	0.10
15.2 (50)	11.5	4.6	1.5	0.72	0.27	0.15
12.2 (40)	17.3	6.8	2.4	1.0	0.45	0.21
9.1 (30)	31.5	12	4.1	1.9	0.80	0.30
1000W MH Clear, 110,000 Lumens, Cat. No. G-AM861H-MT						
18.3 (60)	6.0	3	1.0	0.5	0.20	0.10
15.2 (50)	8.2	4.2	1.4	0.8	0.28	0.15
12.2 (40)	12.6	7.9	2.3	1.2	0.42	0.19
9.1 (30)	23.0	11.6	4.0	2.1	0.70	0.25

Photometric Data ①

	HPS	MH	PSMH
Horiz. Spread	134°	133°	
Vert. Spread	131°	124°	
Beam Lumens	77,440	62,112	
Beam Effic.	55.3%	56.5%	
Max. CP	40,251	45,909	
Avg. Max. CP	38,396	38,490	
Total Lumens	80,846	66,008	
Total Effic.	57.7%	60.0%	

Electrical Specifications

Lamp Type	Line Voltage	Type of Ballast	Starting Amps	Operating Amps	Total Watts
1000 Watt High Pressure Sodium					
HPS	120	CWA	6.35	9.50	1100
HPS	208	CWA	3.80	5.50	1100
HPS	240	CWA	3.20	4.80	1100
HPS	277	CWA	2.75	4.20	1100
HPS	347	CWA	2.20	3.30	1100
HPS	480	CWA	1.80	2.45	1100
1000 Watt Metal Halide					
MH	120	CWA	8.00	9.20	1080
MH	208	CWA	4.60	5.30	1080
MH	240	CWA	4.00	4.60	1080
MH	277	CWA	3.50	4.00	1080
MH	347	CWA	2.50	3.20	1080
MH	480	CWA	2.00	2.30	1080
1500 Watt Metal Halide					
MH	120	C.W.A.	13.50	14.00	1610
MH	208	C.W.A.	7.70	8.00	1610
MH	240	C.W.A.	6.70	7.00	1610
MH	277	C.W.A.	5.90	6.00	1610
MH	480	C.W.A.	3.30	3.50	1610
1000 Watt Pulse Start					
PSMH	120	Super CWA	8.30	8.50	1065
PSMH	208	Super CWA	4.70	5.00	1065
PSMH	240	Super CWA	4.00	4.40	1065
PSMH	277	Super CWA	3.40	3.80	1065
PSMH	480	Super CWA	2.00	2.30	1075

① Photometric charts available on request.

◇ i.e., ratio of distance to height. Example: @ 6.1 meters (20 feet) mounting height, 1 means 6.1 meters (20 feet); 2 means 12.2 meters (40 feet), etc.