

Areamaster™ 1000 Floodlights

Integrally Ballasted. 1000 W HID

For hazardous locations.

NEC/CEC:

Listed for ordinary and marine locations

NEC – Optional hazardous locations:

Class I, Division 2, Groups A, B, C, D

CEC – Optional hazardous locations:

Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Ex nR, Groups IIA, IIB, IIC

Applications

- Powerful, efficient weatherproof lighting for large areas such as:
 - Pulp and paper mills
 - Processing plants
 - Chemical plants
 - Oil refineries
 - Foundries
 - Storage areas
 - Waste and sewage treatment
 - Parking garages
 - Other areas where dust, water, dirt and rough usage are a problem

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 five 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.
- Yoke mount, zinc plated steel yoke with architectural bronze polyester finish.
- 3/4" NPT tapped hub for power entry.

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/CEC Certifications and Compliances

- UL Standard: UL 1598, UL 844
- UL Listed: E10794



Yoke

Projected Area: 3.36 Sq. Ft.

HID/FLOODLIGHT: NEC/CEC ENCLOSED AND GASKETED

Appleton®

Areamaster™ 1000 Floodlights

Integrally Ballasted. 1000 W HID

For hazardous locations.

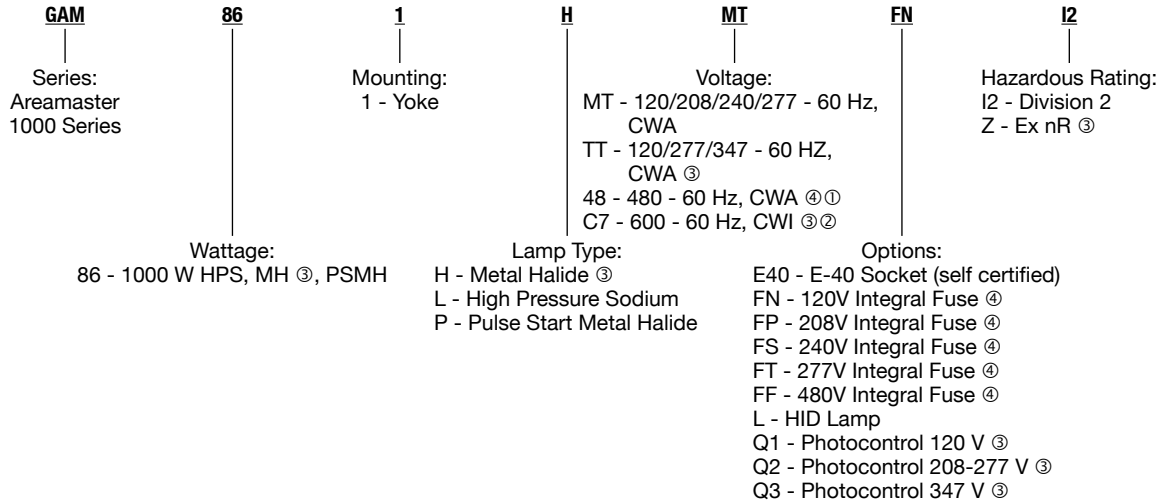
NEC/CEC:
Listed for ordinary and marine locations

NEC – Optional hazardous locations:
Class I, Division 2, Groups A, B, C, D

CEC – Optional hazardous locations:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Ex nR, Groups II

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

Catalog Numbering Guide For Areamaster 1000 Floodlights



“T” Numbers Represent the Maximum Lamp Temperature for Class I, Division 2 Locations and Maximum Surface Temperature Under Dust Blanket for Class II, Division 1 Locations.

| “T” Number | T1 | 350 | 325 | T2 | T2A | T2B | T2C | T2D | T3 | T3A | T3B | T3C | T4 | T4A | T5 | T6 |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|
| Temp. Range (°C) | 351-450 | 326-350 | 301-325 | 281-300 | 261-280 | 231-260 | 216-230 | 201-215 | 181-200 | 166-180 | 161-165 | 136-160 | 121-135 | 101-120 | 86-100 | 85 |
| Temp. Range (°F) | 664-842 | 619-662 | 574-617 | 538-572 | 502-536 | 448-500 | 421-446 | 394-419 | 358-392 | 331-356 | 322-329 | 277-320 | 250-275 | 214-248 | 187-212 | 185 |

“T” Numbers Represent the Maximum Surface Temperature for Luminaires with AEx nA nR or AEx nR rating

| “T” Number | T1 | T2 | T3 | T4 | T5 | T6 |
|------------------|---------|---------|---------|---------|---------|-----|
| Temp. Range (°C) | 301-450 | 201-300 | 136-200 | 101-135 | 86-100 | 85 |
| Temp. Range (°F) | 547-842 | 394-572 | 277-392 | 214-275 | 187-212 | 185 |

① For CEC 480 V, 60 Hz, consult factory.

② Not for available for PSMH versions.

③ Certified to meet the Canadian Electrical Code (CEC) only.

④ Certified to meet the National Electrical Code (NEC) only.

Areamaster™ 1000 Floodlights

Integrally Ballasted. 1000 W HID

For hazardous locations.

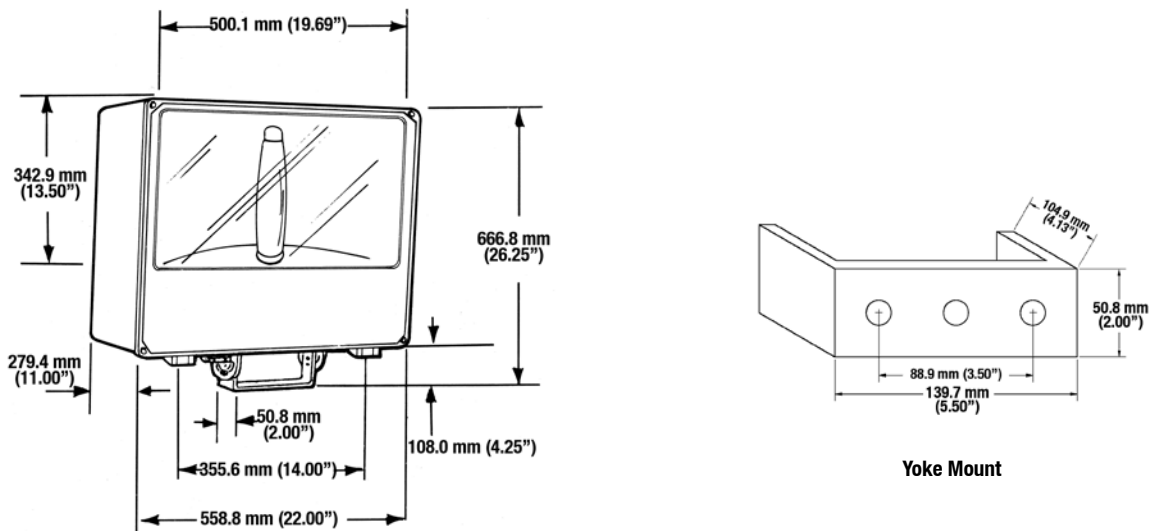
NEC/CEC:
Listed for ordinary and marine locations

NEC – Optional hazardous locations:
Class I, Division 2, Groups A, B, C, D

CEC – Optional hazardous locations:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Ex nR, Groups II

| Lamp Watts | Line Voltage | Weight kg (lb) | Volume dm ³ (in ³) | NEC/CEC Class 1, Division 2 Catalog Number | CEC Class I, Zone 2, Ex nR Catalog Number |
|---------------------------------|-----------------|----------------|---|--|---|
| High Pressure Sodium | | | | | |
| 1000 | 120/208/240/277 | | | G-AM861L-MT-I/2 | G-AM861L-MT-Z ② |
| 1000 | 120/277/347 | | | G-AM861L-TT-I/2 ② | G-AM861L-TT-Z ② |
| 1000 | 480 | 29.48 (65.0) | 75.7 (4620) | G-AM861L-48-I/2 | G-AM861L-48-Z ② |
| 1000 | 600 ① | | | G-AM861L-C7-I/2 ② | G-AM861L-C7-Z ② |
| Metal Halide | | | | | |
| 1000 | 120/208/240/277 | | | G-AM861H-MT-I/2 | G-AM861H-MT-Z ② |
| 1000 | 120/277/347 | | | G-AM861H-TT-I/2 ② | G-AM861H-TT-Z ② |
| 1000 | 480 | 29.48 (65.0) | 75.7 (4620) | G-AM861H-48-I/2 | G-AM861H-48-Z ② |
| 1000 | 600 ① | | | G-AM861H-C7-I/2 ② | G-AM861H-C7-Z ② |
| Pulse Start Metal Halide | | | | | |
| 1000 | 120/208/240/277 | | | G-AM861P-MT-I/2 ③ | — |
| 1000 | 480 | 29.48 (65.0) | 75.7 (4620) | G-AM861P-48-I/2 ③ | — |

Dimensions in Millimeters (Inches)



- ① Supplied complete with CWI Isolated Secondary Ballast for 600 Vac.
- ② Certified to meet the Canadian Electrical Code (CEC) only.
- ③ Certified to meet the National Electrical Code (NEC) only.

Areamaster™ 1000 Floodlights

Integrally Ballasted. 1000 W HID

For hazardous locations.







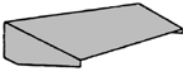
NEC/CEC:
Listed for ordinary and marine locations

NEC – Optional hazardous locations:
Class I, Division 2, Groups A, B, C, D

CEC – Optional hazardous locations:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Ex nR, Groups II

HID/FLOODLIGHT: NEC/CEC ENCLOSED AND GASKETED

Appleton®

| | 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 |

Areamaster™ 1000 Floodlights

Integrally Ballasted. 1000 W HID

For hazardous locations.

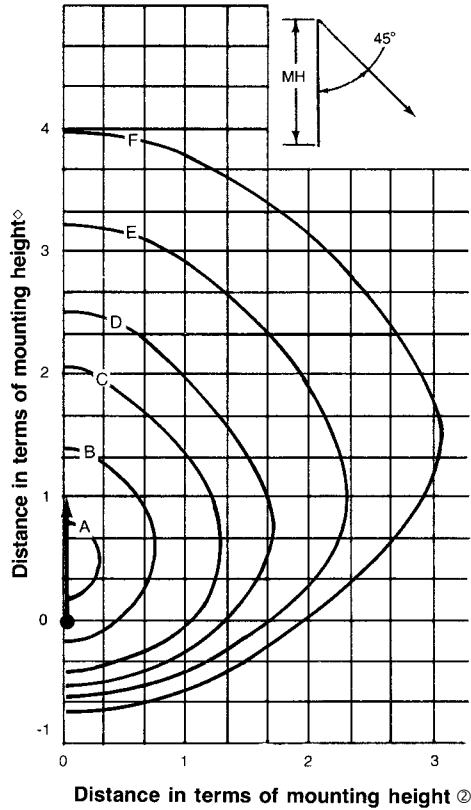
NEC/CEC:
Listed for ordinary and marine locations

NEC – Optional hazardous locations:
Class I, Division 2, Groups A, B, C, D

CEC – Optional hazardous locations:
Class I, Division 2, Groups A, B, C, D
Class I, Zone 2, Ex nR, Groups II

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 |
| 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 |

T Numbers and Temperature Ratings Areamaster 1000

| Fixture Wattage | Lamp Type | Fixture Type | T Ratings | Ambient | T Rating Temperature Range °C (°F) |
|-----------------|-----------|---------------|-----------|---------------|------------------------------------|
| | | | | Temp. °C (°F) | |
| 1000 | HPS | Class I Div 2 | 350 | 40 (104) | 301-350 (574-662) |
| 1000 ③ | HPS | Ex nR IIC | T3 | 40 (104) | 136-200 (277-392) |
| 1000 | PSMH | Class I Div 2 | T1 | 40 (104) | 301-450 (574-842) |

① Photometric charts available on request.

② 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.

③ Certified to meet the Canadian Electrical Code (CEC) only.