

# Areamaster™ Generation 2 and High Lumen LED Series Luminaires

## Floodlight

### Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups E, F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 | Class I, Zone 2 AEx/Ex ec IIC Gc | Zone 21, AEx/Ex tb IIC Db | Type 3R, 4 and 4X | IP66/67 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations  
ATEX/IECEx: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66  
Markings: CE | UKCA  
Notable: American Bureau of Shipping (ABS) Certified | 10G Vibration

## Applications

- Enclosed and gasketed fixtures suitable for use in a wide range of industrial, chemical processing and other areas where flammable gases and vapors are present, for example:
  - Oil and Gas Refineries
  - Petrochemical Plants
  - Foundries
  - Drilling Rigs
  - Pulp and Paper Mills
  - Food and Beverage Processing Facilities
  - Loading Docks
  - Power Plants
  - Water and Wastewater Treatment Facilities
  - Hydrogen and Biofuels plants
  - LNG (Liquid Natural Gas) plants
  - Other areas where corrosive, wet, dirty and tough environments are a problem
- IP66/IP67, Type 4X, marine and wet locations. IP66 for IECEx/ATEX.
- Locations requiring dependable, consistent lighting in extreme hot/cold temperature environments.
  - 40 °C to +65 °C (-40 °F to +149 °F) ambient temperature range.
  - 40 °C to +55 °C (-40 °F to +131 °F) for high lumen AMLHL3 output.
- Globally rated luminaires with all applicable certification labels for NEC/CEC and ATEX/IECEx environments. See Certifications and Compliances for details.

## Features

- Six lumen outputs provide up to 38,000 lumens.

| Nominal Lumens ① | HID Equivalent | Model Number |
|------------------|----------------|--------------|
| 9,500            | 175W-250W      | AMLGL6       |
| 15,000           | 250W-400W      | AMLGL7       |
| 19,500           | 400W-750W      | AMLGL8       |
| 24,000           | 1000W          | AMLHL1       |
| 30,000           | 1000-1500W     | AMLHL2       |
| 38,000           | 1500W          | AMLHL3       |

① Nominal lumen value for 5000K, NEMA 7x7, with clear glass. Detailed lumen information provided in tables.

- Choice of optics for optimal light distribution in a variety of applications.
- Separate field wiring compartment with screw terminal block for easy and secure connection can accept 0.14 - 6 mm<sup>2</sup> (26 - 10 AWG) wire.
- Wiring compartment has two 3/4" NPT entries in bottom and one 3/4" NPT entry on top. Optional M20 metric adapters available.
- High Bay mounting achieved by using 3/4" NPT threaded non-penetrating blind hold centered in top of luminaire with integral set screw. Wire via wiring compartment.
- Yoke bracket is designed to accommodate traditional Areamaster brackets and slipfitters for easy retrofit. Optional stainless steel yoke bracket is available.
- Choice of color temperature (CCT): 5000K (70 CRI) cool white, 4000K (80 CRI) neutral white, or 3000K (80 CRI) warm white.
- Reported L70 is > 60,000 hours @ +65°C (+149 °F).
- Rugged and compact housing with superior thermal design translates to long luminaire life.
- Heavy duty, high temperature silicone rubber gaskets.
- Thermal shock and impact resistant clear or frosted glass lens.
- Standard 6 kV/3 kA surge protection. Optional 10 kV/5 kA additional surge protection available.



- Captive fasteners secure one piece lens.
- Field replaceable LED driver and lens cover.
- Photometric data and electronic drawings available upon request.
- 5 year standard warranty. 10 year limited warranty for select part number configurations.

## Options

- Improved safety cable design with multiple retention points, *purchase separately*.
- Guard and visor available, *purchase separately*.
- Slip-fitters and mounting brackets available for easy pole or wall mounting.
- Stainless steel yoke bracket.
- 10 kV/5 kA Surge Protection, for NEC/CEC only.

## Standard Materials

- Housing and lens cover: copperfree (4/10 of 1% max.) aluminum
- Gaskets: silicone rubber
- Yoke: zinc plated steel
- Bolts: stainless steel
- Close up plugs: (2) aluminum provided
- Guard and safety cable: stainless steel
- Visor: Aluminum

## Standard Finishes

- Housing, lens cover, visor and yoke mount: architectural bronze polyester

## NEC/CEC Certifications and Compliances

- UL Standards: UL 844; UL1598; UL1598A; UL 8750
- CSA Standards: CSA C22.2 No. 250.0; CSA C22.2 No. 137
- cCSAus 164460 Certificate Number: AMLG – 70073611, AMLH – 70073613
- cETLus: 104364566CHI
- Vibration Rating: 10G, 10 hours, 3 axis at first mode resonant frequency

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Zone 21, AEx/Ex tb IIC Db | Type 3R, 4 and 4X | IP66/67 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations

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Markings: CE | UKCA

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### ATEX/IECEx Certifications and Compliances

- Certification Type: Areamaster Generation 2 and High Lumen LED
  - Gas: Zone 2
    - Conforming to ATEX 2014/34/EU: II 3G
    - Type of Protection: Ex ec IIC Gc
    - Temperature Class: AMLG – T5 to T3; AMLH – T4 to T3
  - Dust: Zones 21 and 22
    - Conforming to ATEX 2014/34/EU: II 2D
    - Type of Protection: Ex op is tb IIC Db
    - Surface Temperature: +85 °C to +100 °C (+185 °F to +212 °F)
  - Dust: Zone 22
    - Conforming to ATEX 2014/34/EU: II 3D
    - Type of Protection: Ex tb IIC Dc
    - Surface Temperature: +85 °C to +100 °C (+185 °F to +212 °F)
- Ambient Temperature: -40 °C up to +65 °C (-40 °F up to +149 °F). -40 °C to +55 °C (-40 °F to +131 °F) for high lumen AMLHL3 output.
- ATEX Certificates: ITS18ATEX104171, ITS18ATEX304055
- IECEx Certificate: IECEx ITS 18.0049
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK08
- Photobiological Safety, IEC 62778 and IEC 62471: Risk Group 1 (RG1)

### CE and UKCA Marking

- ATEX: EN 60079-0, EN 60079-7, EN 60079-31
- Safety: EN 60598-1, EN 60598-2-1, and EN 60598-2-5
- EMC: EN 61547, 61000-6-2, 61000-6-4, 61000-3-2; CISPR 15

### ABS Certifications

- AMLG: 18-HS1714271-PDA
- AMLH: 18-HS1714275-PDA

### DesignLights™ Consortium

- Check DLC QPL for current list of products.

### Related Products

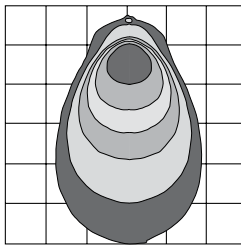
- Industrial Areamaster Generation 2 and High Lumen LED Series Luminaires
- Round Tapered Steel Poles
- Hinged Steel Poles
- Square Tapered Steel Poles
- Square Steel Poles
- Floodlight Mounting Brackets

### Illustrated Features

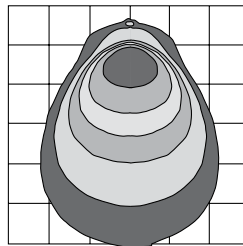
#### Light Where You Need It

Choose from **3 color temperatures** and a **variety of secondary optics** to put light where your application needs it most. Unsure of which optic is best for your job? Contact your sales representative to get a free 3D Dialux simulation.

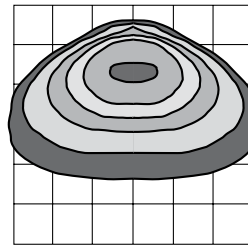
#### The Right Beam Pattern for Your Application



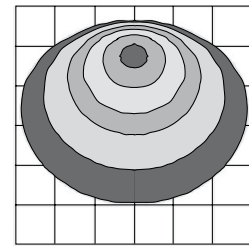
**NEMA 3x3** – Very Narrow, spot type forward intensity focus. Enables highest mounting heights (30 m / 100 ft +) while maintaining delivered light on surface (footcandles/lux).



**NEMA 5x5** – Narrow, spot type forward intensity focus. Enables higher mounting heights (15 m / 50 ft +) while maintaining delivered light on surface (footcandles/lux).



**NEMA 7x6** – Mimics traditional HID light distribution. Light intensity is directed forward and side-to-side to maximize spacing between luminaires.

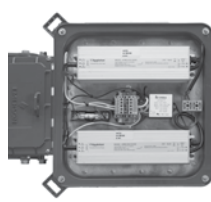


**NEMA 7x7** – Uniform light spread, perfect for most typical flood lighting applications.

### Robust Design



**Front-Facing Wiring Compartment:** Gasketed front wiring compartment with screw terminal block, and captive screws offers unmatched installation ease and convenience.



**Replaceable Drivers:** Easy to access, field replaceable drivers extend the useful life of your luminaire up to 200,000 hours or more.



**Visor and Guard:** Comply with light pollution regulations or control light spread with a visor. Protect the lens with a guard.



**High Bay Mount:** Use 3/4" NPT threaded non-penetrating blind hold centered in top of luminaire with integral set screw. Wire via wiring compartment.

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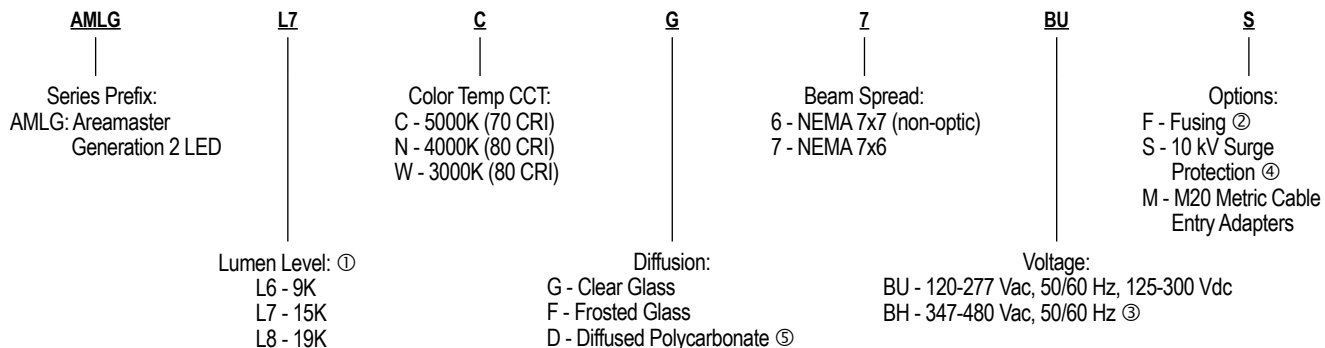
Zone 21, AEx/Ex tb IIIC Db | Type 3R, 4 and 4X | IP66/67 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations

ATEX/IECEx: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66

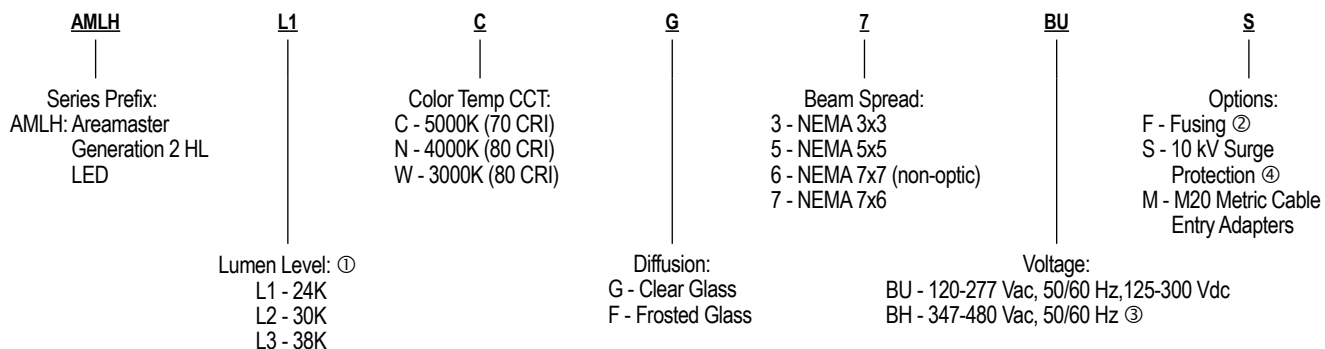
Markings: CE | UKCA

Notable: American Bureau of Shipping (ABS) Certified | 10G Vibration

## Order Using Catalog Numbering Guide — Areamaster™ Generation 2 Series Luminaires — Low Lumen Model



## Order Using Catalog Numbering Guide — Areamaster™ Generation 2 Series Luminaires — High Lumen Model



① All lumen values are typical (tolerance +/- 10%)

② Use of fuse voids Marine rating. Fusing available for NEC/CEC only.

③ BH voltage available for NEC/CEC only.

④ 10kV Surge Protection available for NEC/CEC only.

⑤ Diffused polycarbonate available for NEC/CEC only.

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Floodlight  
Hazardous Locations

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Lumen Output (Efficacy) — Low Lumen Model ①

|                        |                    |                                  | CCT<br>(Correlated<br>Color<br>Temperature) | CRI<br>(Color<br>Rendering<br>Index) |                 |                    |       |     |                 |                    |       |     |                 |                    |
|------------------------|--------------------|----------------------------------|---------------------------------------------|--------------------------------------|-----------------|--------------------|-------|-----|-----------------|--------------------|-------|-----|-----------------|--------------------|
| Model                  | HID<br>Equivalency | Light<br>Distribution<br>Pattern |                                             |                                      | Lumen<br>Output | Efficacy<br>(lm/W) | CCT   | CRI | Lumen<br>Output | Efficacy<br>(lm/W) | CCT   | CRI | Lumen<br>Output | Efficacy<br>(lm/W) |
| Clear Glass            |                    |                                  |                                             |                                      |                 |                    |       |     |                 |                    |       |     |                 |                    |
| AMLGL6                 | 175-250W           | NEMA 7x6                         | 3000K                                       | 80                                   | 7,350           | 105                | 4000K | 80  | 8,500           | 121                | 5000K | 70  | 9,500           | 136                |
|                        |                    | NEMA 7x7                         | 3000K                                       | 80                                   | 7,650           | 109                | 4000K | 80  | 9,000           | 129                | 5000K | 70  | 9,900           | 141                |
| AMLGL7                 | 250-400W           | NEMA 7x6                         | 3000K                                       | 80                                   | 11,000          | 99                 | 4000K | 80  | 12,950          | 117                | 5000K | 70  | 14,500          | 131                |
|                        |                    | NEMA 7x7                         | 3000K                                       | 80                                   | 11,500          | 104                | 4000K | 80  | 13,650          | 123                | 5000K | 70  | 15,000          | 135                |
| AMLGL8                 | 400-750W           | NEMA 7x6                         | 3000K                                       | 80                                   | 14,500          | 95                 | 4000K | 80  | 16,550          | 109                | 5000K | 70  | 18,500          | 122                |
|                        |                    | NEMA 7x7                         | 3000K                                       | 80                                   | 15,000          | 99                 | 4000K | 80  | 17,550          | 115                | 5000K | 70  | 19,500          | 128                |
| Frosted Glass          |                    |                                  |                                             |                                      |                 |                    |       |     |                 |                    |       |     |                 |                    |
| AMLGL6                 | 175-250W           | NEMA 7x6                         | 3000K                                       | 80                                   | 6,200           | 89                 | 4000K | 80  | 7,200           | 103                | 5000K | 70  | 7,900           | 113                |
|                        |                    | NEMA 7x7                         | 3000K                                       | 80                                   | 6,400           | 91                 | 4000K | 80  | 7,500           | 107                | 5000K | 70  | 8,300           | 119                |
| AMLGL7                 | 250-400W           | NEMA 7x6                         | 3000K                                       | 80                                   | 9,400           | 85                 | 4000K | 80  | 10,950          | 99                 | 5000K | 70  | 12,000          | 108                |
|                        |                    | NEMA 7x7                         | 3000K                                       | 80                                   | 9,700           | 87                 | 4000K | 80  | 11,350          | 102                | 5000K | 70  | 12,500          | 113                |
| AMLGL8                 | 400-750W           | NEMA 7x6                         | 3000K                                       | 80                                   | 12,000          | 79                 | 4000K | 80  | 14,000          | 92                 | 5000K | 70  | 15,550          | 102                |
|                        |                    | NEMA 7x7                         | 3000K                                       | 80                                   | 12,500          | 82                 | 4000K | 80  | 14,500          | 95                 | 5000K | 70  | 16,550          | 109                |
| Diffused Polycarbonate |                    |                                  |                                             |                                      |                 |                    |       |     |                 |                    |       |     |                 |                    |
| AMLGL6                 | 175-250W           | NEMA 7x6                         | 3000K                                       | 80                                   | 5,950           | 85                 | 4000K | 80  | 6,950           | 99                 | 5000K | 70  | 7,700           | 110                |
|                        |                    | NEMA 7x7                         | 3000K                                       | 80                                   | 6,250           | 89                 | 4000K | 80  | 7,300           | 104                | 5000K | 70  | 8,050           | 115                |
| AMLGL7                 | 250-400W           | NEMA 7x6                         | 3000K                                       | 80                                   | 9,000           | 81                 | 4000K | 80  | 10,550          | 95                 | 5000K | 70  | 11,700          | 105                |
|                        |                    | NEMA 7x7                         | 3000K                                       | 80                                   | 9,450           | 85                 | 4000K | 80  | 11,000          | 99                 | 5000K | 70  | 12,200          | 110                |
| AMLGL8                 | 400-750W           | NEMA 7x6                         | 3000K                                       | 80                                   | 11,500          | 76                 | 4000K | 80  | 13,500          | 89                 | 5000K | 70  | 15,000          | 99                 |
|                        |                    | NEMA 7x7                         | 3000K                                       | 80                                   | 12,100          | 80                 | 4000K | 80  | 14,150          | 93                 | 5000K | 70  | 15,650          | 103                |

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#### Electrical Specifications ①

| Model            | Voltage | Input Power (Watts) | Input Current (Amps) | Power Factor (PF) | Total Harmonic Distortion (THD) |
|------------------|---------|---------------------|----------------------|-------------------|---------------------------------|
| Low Lumen Model  |         |                     |                      |                   |                                 |
| AMLGL6           | 120 Vac | 73                  | 0.62                 | >.9               | <20%                            |
|                  | 277 Vac | 71                  | 0.27                 |                   |                                 |
|                  | 125 Vdc | 69                  | 0.55                 | N/A               | N/A                             |
|                  | 300 Vdc | 68                  | 0.23                 |                   |                                 |
|                  | 347 Vac | 71                  | 0.21                 | >.9               | <20%                            |
|                  | 480 Vac | 71                  | 0.16                 |                   |                                 |
| AMLGL7           | 120 Vac | 111                 | 0.94                 | >.9               | <20%                            |
|                  | 277 Vac | 106                 | 0.43                 |                   |                                 |
|                  | 125 Vdc | 113                 | 0.90                 | N/A               | N/A                             |
|                  | 300 Vdc | 111                 | 0.37                 |                   |                                 |
|                  | 347 Vac | 115                 | 0.33                 | >.9               | <20%                            |
|                  | 480 Vac | 115                 | 0.25                 |                   |                                 |
| AMLGL8           | 120 Vac | 154                 | 1.30                 | >.9               | <20%                            |
|                  | 277 Vac | 146                 | 0.56                 |                   |                                 |
|                  | 125 Vdc | 156                 | 1.25                 | N/A               | N/A                             |
|                  | 300 Vdc | 152                 | 0.51                 |                   |                                 |
|                  | 347 Vac | 150                 | 0.43                 | >.9               | <20%                            |
|                  | 480 Vac | 149                 | 0.32                 |                   |                                 |
| High Lumen Model |         |                     |                      |                   |                                 |
| AMLHL1           | 120 Vac | 180                 | 1.52                 | >.9               | <20%                            |
|                  | 277 Vac | 176                 | 0.67                 |                   |                                 |
|                  | 125 Vdc | 172                 | 1.38                 | N/A               | N/A                             |
|                  | 300 Vdc | 170                 | 0.57                 |                   |                                 |
|                  | 347 Vac | 179                 | 0.52                 | >.9               | <20%                            |
|                  | 480 Vac | 179                 | 0.39                 |                   |                                 |
| AMLHL2           | 120 Vac | 231                 | 1.94                 | >.9               | <20%                            |
|                  | 277 Vac | 231                 | 0.88                 |                   |                                 |
|                  | 125 Vdc | 220                 | 1.76                 | N/A               | N/A                             |
|                  | 300 Vdc | 217                 | 0.72                 |                   |                                 |
|                  | 347 Vac | 219                 | 0.64                 | >.9               | <20%                            |
|                  | 480 Vac | 219                 | 0.47                 |                   |                                 |
| AMLHL3           | 120 Vac | 317                 | 2.67                 | >.9               | <20%                            |
|                  | 277 Vac | 303                 | 1.15                 |                   |                                 |
|                  | 125 Vdc | 305                 | 2.44                 | N/A               | N/A                             |
|                  | 300 Vdc | 298                 | 0.99                 |                   |                                 |
|                  | 347 Vac | 299                 | 0.87                 | >.9               | <20%                            |
|                  | 480 Vac | 298                 | 0.63                 |                   |                                 |

Note: Surge Protection: Integral 6 kV surge protection. Option for up to 10 kV surge protection.

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#### NEC/CEC Temperature Codes

| Model  | Max Driver Current (mA) | Max Ambient C° (F°) | Gas<br>Class I,<br>Division 2<br>Groups<br>A, B, C, D | Class I,<br>Zone 2<br>Group IIC | Dust<br>Class II,<br>Division 1<br>Groups<br>E, F, G | Zone 20<br>Group IIIC | Combined<br>Class I,<br>Division 2<br>and Class II,<br>Division 1 | Gas<br>Ex ec IIC,<br>Class I,<br>Zone 2,<br>AEx ec IIC | Dust<br>Ex tb IIIC, Zone 21,<br>AEx tb IIIC |
|--------|-------------------------|---------------------|-------------------------------------------------------|---------------------------------|------------------------------------------------------|-----------------------|-------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------|
| AMLGL6 | 410                     | 40 (104)            | T5                                                    | T5                              | T6                                                   | T6                    | T4A                                                               | T5                                                     | T85 °C                                      |
|        |                         | 55 (131)            | T4A                                                   | T4                              | T6                                                   | T6                    | T4A                                                               | T4                                                     | T85 °C                                      |
|        |                         | 65 (149)            | T4A                                                   | T4                              | T6                                                   | T6                    | T4                                                                | T4                                                     | T85 °C                                      |
| AMLGL7 | 680                     | 40 (104)            | T4                                                    | T4                              | T6                                                   | T6                    | T4                                                                | T4                                                     | T85 °C                                      |
|        |                         | 55 (131)            | T3C                                                   | T3                              | T6                                                   | T6                    | T3C                                                               | T3                                                     | T85 °C                                      |
|        |                         | 65 (149)            | T3C ①                                                 | T3 ①                            | T5 ①                                                 | T5 ①                  | T3C ①                                                             | T3 ②                                                   | T100 °C ②                                   |
| AMLGL8 | 930                     | 40 (104)            | T3C                                                   | T3                              | T6                                                   | T6                    | T3C                                                               | T3                                                     | T85 °C                                      |
|        |                         | 55 (131)            | T3B ①                                                 | T3 ①                            | T5 ①                                                 | T5 ①                  | T3A ①                                                             | T3 ①                                                   | T100 °C ②                                   |
|        |                         | 65 (149)            | T3A ①                                                 | T3 ①                            | T5 ①                                                 | T5 ①                  | T3A ①                                                             | T3 ①                                                   | T100 °C ②                                   |
| AMLHL1 | 530                     | 40 (104)            | T4A                                                   | T4                              | T6/T5 ③                                              | T6/T5 ③               | T4A                                                               | T4                                                     | T85°C/T100°C ③                              |
|        |                         | 55 (131)            | T4A                                                   | T4                              | T6/T5 ③                                              | T6/T5 ③               | T4A                                                               | T4                                                     | T85°C/T100°C ③                              |
|        |                         | 65 (149)            | T4                                                    | T4                              | T5 ③                                                 | T5 ③                  | T4                                                                | T4                                                     | T100°C                                      |
| AMLHL2 | 680                     | 40 (104)            | T4                                                    | T4                              | T6/T5 ③                                              | T6/T5 ③               | T4                                                                | T4                                                     | T85°C/T100°C ③                              |
|        |                         | 55 (131)            | T4                                                    | T4                              | T5 ③                                                 | T5 ③                  | T4                                                                | T4                                                     | T100°C                                      |
|        |                         | 65 (149)            | T3C                                                   | T3                              | T5 ③                                                 | T5 ③                  | T4                                                                | T3                                                     | T100°C                                      |
| AMLHL3 | 915                     | 40 (104)            | T3C                                                   | T3                              | T6/T5 ③                                              | T6/T5 ③               | T3C                                                               | T3                                                     | T85°C/T100°C ③                              |
|        |                         | 55 (131)            | T3C                                                   | T3                              | T5 ③                                                 | T5 ③                  | T3C                                                               | T3                                                     | T100°C                                      |
|        |                         | 65 (149)            | —                                                     | —                               | —                                                    | —                     | —                                                                 | —                                                      | —                                           |

#### NEC/CEC — “T” Numbers Represent the Maximum Internal Temperature or Maximum Surface Temperature ④ ⑤

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

Notes: Supply Wire Temperature for all: +90 °C (+194 °F).

For input voltages of 125-169 Vdc, an ambient temperature exceeding +55 °C (+131 °F) is not permitted.

① Diffused polycarbonate lens option is not certified for these ambient temperature and lumen output combinations. Diffused polycarbonate not available for AMLH high lumen series

② Diffused polycarbonate lens is certified for NEC/CEC only. No face up orientation for installation.

③ T5 is maximum allowed temperature code, and T100°C is maximum allowed temperature, when model number includes 3x3 secondary optic.

④ T numbers represent the maximum internal temperature for Class I, Division 2 and Class I, Zone 2 locations designated by the NEC.

⑤ T numbers represent the maximum surface temperature under a dust blanket for Class II, Division 1 and Class I, Zone 2 as designated by the NEC or Zone 2 (Gas) and 22 (Dust) locations as designated by the IEC.

# Areamaster™ Generation 2 and High Lumen LED Series Luminaires

## Floodlight

### Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups E, F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 | Class I, Zone 2 AEx/Ex ec IIC Gc |

Zone 21, AEx/Ex tb IIC Db | Type 3R, 4 and 4X | IP66/67 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations

ATEX/IECEx: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66

Markings: CE | UKCA

Notable: American Bureau of Shipping (ABS) Certified | 10G Vibration

#### ATEX/IECEx Temperature Codes

| Model  | Max Driver Current (mA) | Gas — T Rating |                 |                | Dust — Surface Temperature |                 |                |
|--------|-------------------------|----------------|-----------------|----------------|----------------------------|-----------------|----------------|
|        |                         | +40°C (+104°F) | +55 °C (+131°F) | +65°C (+149°F) | +40°C (+104°F)             | +55 °C (+131°F) | +65°C (+149°F) |
| AMLGL6 | 410                     | T5             | T4              | T4             | T85°C                      | T85°C           | T85°C          |
| AMLGL7 | 680                     | T4             | T3              | T3             | T85°C                      | T85°C           | T100°C         |
| AMLGL8 | 930                     | T3             | T3              | T3             | T85°C                      | T100°C          | T100°C         |
| AMLHL1 | 530                     | T4             | T4              | T3             | T85°C ①                    | T85°C ①         | T85°C ①        |
| AMLHL2 | 680                     | T4             | T4              | T3             | T85°C ①                    | T100°C          | T100°C         |
| AMLHL3 | 915                     | T4             | T3              | —              | T100°C                     | T100°C          | —              |

#### ATEX/IECEx — “T” Numbers Represent the Maximum Internal Temperature or Maximum Surface Temperature

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

① Areamaster High Lumen with 3x3 secondary optic surface temperature is T100°C for these ranges.

# Areamaster™ Generation 2 and High Lumen LED Series Luminaires

## Floodlight

### Hazardous Locations

NEC/CEC: Class I, Division 2, Groups A, B, C, D | Class II, Division 1, Groups E, F, G | Class II, Division 2, Groups F, G | Class III | Zone 20, 21 and 22 | Class I, Zone 2 AEx/Ex ec IIC Gc |

Zone 21, AEx/Ex tb IIC Db | Type 3R, 4 and 4X | IP66/67 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations

ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66

Markings: CE | UKCA

Notable: American Bureau of Shipping (ABS) Certified | 10G Vibration

#### Replacement Drivers

|                                                                                   | Model                     | Voltage  | Driver Wattage | Constant Current Setting | Catalog Number                     |
|-----------------------------------------------------------------------------------|---------------------------|----------|----------------|--------------------------|------------------------------------|
| <b>Low Lumen Model</b>                                                            |                           |          |                |                          |                                    |
|  | AMLGL6C, AMLGL6N, AMLGL6W | BU<br>BH | 100 Watt       | 410mA                    | APMS100C105UD41<br>APMS100C105HD41 |
|                                                                                   | AMLGL7W                   | BU<br>BH | 150 Watt       | 650mA                    | APMS150C105UD65<br>APMS150C105HD65 |
|                                                                                   | AMLGL7C, AMLGL7N          | BU<br>BH | 150 Watt       | 680mA                    | APMS150C105UD68<br>APMS150C105HD68 |
|                                                                                   | AMLGL8W                   | BU<br>BH | 150 Watt       | 890mA                    | APMS150C105UD89<br>APMS150C105HD89 |
|                                                                                   | AMLGL8C, AMLGL8N          | BU<br>BH | 150 Watt       | 930mA                    | APMS150C105UD93<br>APMS150C105HD93 |
|                                                                                   | <b>High Lumen Model</b>   |          |                |                          |                                    |
|                                                                                   | AMLHL1C, AMLHL1N, AMLHL1W | BU<br>BH | 100 Watt       | 530mA                    | APMS100C105UD53<br>APMS100C105HD53 |
|                                                                                   | AMLHL2W                   | BU<br>BH | 150 Watt       | 650mA                    | APMS150C105UD65<br>APMS150C105HD65 |
|                                                                                   | AMLHL2C, AMLHL2N          | BU<br>BH | 150 Watt       | 680mA                    | APMS150C105UD68<br>APMS150C105HD68 |
|                                                                                   | AMLHL3W                   | BU<br>BH | 150 Watt       | 890mA                    | APMS150C105UD89<br>APMS150C105HD89 |
|                                                                                   | AMLHL3C, AMLHL3N          | BU<br>BH | 150 Watt       | 915mA                    | APMS150C105UD91<br>APMS150C105HD91 |

#### Luminaire Weights

| Description                                          | Weight in kg (lbs) |
|------------------------------------------------------|--------------------|
| Low Lumen Model — AMLGL6, AMLGL7, AMLGL8 Luminaires  | 9.8 (21.6)         |
| High Lumen Model — AMLHL1, AMLHL2, AMLHL3 Luminaires | 16.1 (35.4)        |