HAZARDOUS AREAMASTER™ GENERATION 2 LED

- Three lumen outputs provide up to 19,500 lumens.
- 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 UL/CSA 26-10AWG).
- Two ¾” NPT entries provided.
- Yoke bracket is designed to accommodate traditional Areamaster brackets and sligflitters for easy retrofit.
- Choice of color temperature (CCT); 5000K cool white or 3000K warm white.
- 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 6KV surge protection.
- Captive fasteners secure one piece lens.
- Field replaceable LED driver and lens cover.

SUITABLE LOCATIONS
- 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
  — Other areas where corrosive, wet, dirty and tough environments are a problem
- IP66/IP67, Type 4X, marine and wet locations
- Locations requiring dependable, consistent lighting in extreme hot/cold temperature environments.
- Ambient Temperature: -40 °C up to +65 °C (-40°F up to +149°F)

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

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

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
- 10KV Surge Protection
- Metric M20 thread adapter

RELATED PRODUCTS
- Round Tapered Steel Poles
- Hinged Steel Poles
- Square Tapered Steel Poles
- Square Steel Poles
- Floodlight Mounting Brackets

NEC/CEC RATING
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2 Group IIIC
- Class II, Division 1 and 2, Groups E, F, G
- Class III
- Zone 20 and 21 Group IIC
- Zone 22, Group IIIB
- Simultaneous Exposure
- Marine Outside Type (Salt Water) for USA ONLY
- Wet Locations
- Type 3R, 4X, IP66/67
- cCSAus: 164460 Certificate Number: 70073611

ATEX/IECEx CERTIFICATIONS AND COMPLIANCES
- Certification Type: Areamaster Gen 2
  — Gas: Zone 2
    - Conforming to ATEX 2014/34/EU: II 3 G
    - Type of Protection: Ex eb IIC Gc
    - Temperature Class: T5 to T3
  — Dust: Zone 22
    - Conforming to ATEX 2014/34/EU: II 3 D
    - Type of Protection: Ex tc IIIC 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)
- EU Declaration of Conformity: 50317
- ATEX Certificate: SIRA 17ATEX3241
- IECEx Certificate: IECEx SIR 17.0079
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10
- Photobiological Safety, IEC 62778 and IEC 62471: RG0

DESIGNLIGHTS™ CONSORTIUM
- All models
**PRODUCT ORDERING GUIDE | AREAMASTER GENERATION 2 LED**

### AMLG Series: Areamaster 2 LED

<table>
<thead>
<tr>
<th>L7</th>
<th>Color Temp CCT: C - 5000K W - 30000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>Beam Spread: 6 - 7x7 (non-optic) 7 - 7x6</td>
</tr>
<tr>
<td>BU</td>
<td>Voltage: BU - 120-277 Vac 50/60 Hz, 170-300 Vdc BH - 347-480 Vac 50/60 Hz</td>
</tr>
<tr>
<td>S</td>
<td>Options: F - Fusing S - 10 KV Surge Protection M - M20 Metric</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>AMLGL6</th>
<th>AMLGL7</th>
<th>AMLGL8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equivalent to HPS/PSMH</td>
<td>175-250 Watt</td>
<td>250-400 Watt</td>
<td>400-750 Watt</td>
</tr>
<tr>
<td>Input Power</td>
<td>70 Watt</td>
<td>110 Watt</td>
<td>150 Watt</td>
</tr>
<tr>
<td>Voltage Range</td>
<td>BU 120-277 Vac, 50/60 Hz, 170-300 Vdc</td>
<td>BH 347-480 Vac, 50/60 Hz</td>
<td></td>
</tr>
<tr>
<td>Luminous Flux (Efficacy)</td>
<td>7x7 9900 (141) 15300 (139) 19900 (133)</td>
<td>7x6 9000 (129) 14200 (129) 18400 (123)</td>
<td></td>
</tr>
<tr>
<td>Correlated Color Temperature (CCT)</td>
<td>3000K/5000K</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>80/70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>–40 °C to +65 °C (–40 °F to +149 °F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T Rating NEC/CEC Class I Division 2</td>
<td>T4A @ +65 °C (+149 °F) T3C @ +65 °C (+149 °F) T3A @ +65 °C (+149 °F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T Rating ATEX/IECEx Zone 2</td>
<td>T4 @ +65 °C (+149 °F) T3 @ +65 °C (+149 °F) T3 @ +65 °C (+149 °F)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Luminaire Weight</td>
<td>9.8 kg (22lb)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard Materials</td>
<td>Housing: copperfree aluminum Finish: architectural bronze polyester Lens: thermal shock- and impact-resistant glass or optional frosted glass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lifetime</td>
<td>&gt;100,000 hours @ +40°C (+104°F) ambient temperature &gt;60,000 hours @ +65°C (+149°F) ambient temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warranty</td>
<td>5 years standard; 10 years for models with secondary optic and extra surge protection</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Luminaire Category</th>
<th>Image</th>
<th>Effective Projected Area (EPA) = FPA * DC m² (ft²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>90° to Ground-Worst Case Mounting</td>
<td>0.39 (1.28)</td>
<td></td>
</tr>
<tr>
<td>45° to Ground-Standard Mounting</td>
<td>0.55 (1.82)</td>
<td></td>
</tr>
</tbody>
</table>

### Photometric Data

**7x7**

```
  2 fc
  1 fc
  0.5 fc

  0.2 fc
  0.1 fc
```

**7x6**

```
  2 fc
  1 fc
  0.5 fc

  0.2 fc
  0.1 fc```

Note: 1 FC = 10.8 Lux
HAZARDOUS AREAMASTER™ GENERATION 2 HL LED

- Three lumen outputs provide up to 38,000 lumens.
- 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 UL/CSA 26-10AWG).
- Two ¾” NPT entries provided.
- Yoke bracket is designed to accommodate traditional Areamaster brackets and slipfitters for easy retrofit.
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- Yoke: zinc plated HR steel
- Bolts: stainless steel
- Close up plugs: (1) aluminum provided
- Guard and safety cable: stainless steel
- Visor: Aluminum

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- Floodlight Mounting Brackets

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  - Foundries
  - Drilling Rigs
  - Pulp and Paper Mills
  - Food and Beverage Processing Facilities
  - Loading Docks
  - Power Plants
  - Water and Wastewater Treatment Facilities
  - Other areas where corrosive, wet, dirty and tough environments are a problem
- IP66/IP67, Type 4X, marine and wet locations
- Locations requiring dependable, consistent lighting in extreme hot/cold temperature environments. -40 °C to +65 °C (-40°F to +149 °F) ambient temperature range

For product information:
www.appletonlec.com
1.800.621.1506

NEC/CEC RATINGS
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2 Group IIC
- Class II, Division 1 and 2, Groups E, F, G
- Class III
- Zone 20 and 21 Group IIIC
- Zone 2, Group IIIB
- Simultaneous Exposure
- Marine Outside Type (Salt Water) for USA ONLY
- Wet Locations
- Type 3R, 4, 4X, IP66/67
- cCSAus: 164460 Certificate Number: 70073613

ATEX/IECEx CERTIFICATIONS AND COMPLIANCES
- Certification Type: Areamaster High Lumen
  - Gas: Zone 2
    - Type of Protection: Ex ec IIC Gc
    - Temperature Class: T4 to T3
    - Dust: Zone 22
      - Type of Protection: Ex tc IIIC 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 +268 °F)
  - ATEX Certificate: SIRA 17ATEX3241
  - IECEx Certificate: IECEx-SIR 17.0079
  - Index of Protection according EN/IEC 60529: IP66
  - Impact Resistance (shock): IK10
  - Photobiological Safety, IEC 62778 and IEC 62471: RG0

DESIGNLIGHTS® CONSORTIUM
- All models

For product information:
www.appletonlec.com
1.800.621.1506

EMERSON

CONSIDER IT SOLVED.
# Areamaster™ Generation 2 HL LED

The Areamaster™ Generation 2 HL LED is a floodlight designed for hazardous locations. It is a Type 3R, 4, or 4X, IP66/67 luminaire, wet locations, and suitable for marine use in the USA only. The luminaire is available in two voltage ranges: BU = 120-277 Vac, 50/60 Hz, 170-300 Vdc, and BH = 347-480 Vac 50/60 Hz.

### Specifications

- **Color Temp (CCT):** 3000K/5000K
- **Beam Spread:**
  - 3x3
  - 5x5
  - 7x7 (non-optic)
  - 7x6
- **Diffusion:**
  - G - Clear Glass
  - F - Frosted Glass
- **Standard Materials:**
  - Housing: copperfree aluminum
  - Finish: architectural bronze polyester
  - Lens: thermal shock- and impact-resistant glass or optional frosted glass
- **Luminous Flux (Efficacy):**
  - 7x7: 22,500 (131)
  - 7x6: 22,700 (126)
  - 5x5: 24,100 (134)
  - 30,000 (133)
  - 38,300 (124)
- **Lumen Level:**
  - L1: 0.50 (3.82)
  - L2: 3.00 (20.82)
  - L3: 3.80 (27.12)
- **Voltage:**
  - BU = 120-277 Vac, 50/60 Hz, 170-300 Vdc
  - BH = 347-480 Vac 50/60 Hz
- **Input Power:**
  - AMLH1: 180 Watt
  - AMLH2: 225 Watt
  - AMLH3: 310 Watt
- **Temperature:**
  - Ambient: –40 °C to +65 °C (-40 °F to +149 °F)
- **Warranty:**
  - 5 years standard; 10 years for models with secondary optic and extra surge protection

### Photometric Data

- **5x5:**
  - 0.5 fc
  - 2 fc
  - 0.2 fc
  - 0.1 fc
- **7x6:**
  - 0.5 fc
  - 0.2 fc
  - 0.1 fc
- **7x7:**
  - 0.5 fc
  - 0.2 fc
  - 0.1 fc

### Notes:

- BH voltage available for NEC/CEC only.
- Use of fuse voids Marine rating. Fusing not available for NEC/CEC.
- Frosted Glass is only available with NEMA 7x7 light pattern.
- BH voltage available for NEC/CEC only.
- Diffused polycarbonate available for NEC/CEC only.

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**United States:** 1.800.621.1506 | Asia/Pacific: +65.6556.1100 | Australia: + 61.3.9721.0348  
**Canada:** +1.888.765.2226 | China: +86.21.3338.7000 | Europe: +33.3.22.54.13.90  
**Mexico/Latin America:** +52.55.5809.5049 | Middle East/Africa/India: +971.4.811.8100  
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