

AREAMASTER™ GENERATION 2 AND HIGH LUMEN LED SERIES LUMINAIRES

FLOODLIGHT — HAZARDOUS LOCATION

FEATURES

- Six 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 0.14 - 6 mm² (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 adapter 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, 3000K (80 CRI) warm white, 1800K (70 CRI), or Amber (56 CRI).
- 0-10 Vdc Dimming standard for all BU voltage configurations. See catalog page for dimming and Group Lighting Controls details.
- 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.

WARRANTY

- 5 year standard warranty. 10 year limited warranty for select part number configurations

PRODUCT SPECIFICATIONS

| Series Lumen Output | AMLGL6 | AMLGL7 | AMLGL8 | AMLHL1 | AMLHL2 | AMLHL3 |
|-----------------------------|---|---------|---------|--------------------|---|--------|
| Nominal Wattage (W, @120 V) | 73 | 111 | 154 | 180 | 231 | 317 |
| Equivalencies (W, HID) | 175-250 | 250-400 | 400-750 | 1000 | 1000-1500 | 1500 |
| Nominal Lumens ① | 9,500 | 15,000 | 19,500 | 24,000 | 30,000 | 38,000 |
| Efficacy (up to, lm/W) ① | 141 | 135 | 128 | 136 | 134 | 126 |
| Color Temperature (CCT) (K) | 5000/4000/3000/1800K/Amber | | | | | |
| Color Rendering Index (CRI) | ≥ 70 CRI (5000K/1800K) ≥ 80 CRI (4000K / 3000K) ≥ 56 CRI (Amber) | | | | | |
| Voltage | 120 – 277 Vac, 50/60 Hz; 125 – 300 Vdc 347 – 480 Vac, 50/60 Hz | | | | | |
| Surge Protection | Standard: 6 kV/3 kA Optional: 10 kV/5 kA | | | | | |
| L70 Lifetime (hrs) | +25 °C (+77 °F) Ambient Temperature: Reported > 60,000 hours Calculated > 200,000 hours +65 °C (+149 °F) Ambient Temperature: Reported > 60,000 hours Calculated > 135,000 hours | | | | | |
| Ambient Temperature ② | -40 °C to +65 °C (-40 °F to +149 °F) | | | | -40 °C to +55 °C (-40 °F to +131 °F) | |
| Temperature Code ② | T3 - T6 | | | | | |
| Fixture Weight - kg (lbs) | 9.8 kg (21.6 lbs) | | | 16.1 kg (35.4 lbs) | | |
| Replaceable Parts | Drivers, Lens, Yoke Mount Bracket | | | | | |

① Nominal lumens based on NEMA 7x7 (Non-optic), 5000K CCT with clear glass lens. Refer to catalog pages for detailed performance.

② Refer to catalog pages for detailed temperature tables/operating temperature based on lumen output/certification.

TYPICAL 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.
 - -55 °C (-67 °F) Cold Start option available for BU voltages only. See Catalog Numbering Guide for more details
- Globally rated luminaires with all applicable certification labels for NEC/CEC and ATEX/IECEx environments. See catalog page for details.

LUMINAIRE MATERIALS

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



AMLG + Clear Lens



AMLH + Frosted Lens

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

ACCESSORIES (PURCHASE SEPARATELY)

- Wall Mount Bracket: GPSWB6GAL
- Wire Guard — Low Lumen: LGGUARD
- Wire Guard — High Lumen: LHGUARD
- Safety cable: LEDSC
- Visor — Low Lumen: AMLGV
- Visor — High Lumen: AMLHV
- Portable Floodlight Base: GAMPFB

NEC/CEC LISTINGS ①

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

IECEx / ATEX LISTINGS ①

- Zone 2, 21, 22 | ② II 2D 3G 3D | IK08 | IP66

NOTABLE LISTINGS ①

- CE
- UKCA
- UKEX
- ABS Certified
- DLC Listed
- 10G Vibration

RELATED PRODUCTS

- See catalog page for details

① Refer to catalog pages for detailed certification information.

APPLETON™

For product information:
www.masteringled.com
 1.800.621.1506

EMERSON™

AREAMASTER™ GENERATION 2 AND HIGH LUMEN LED SERIES LUMINAIRES

FLOODLIGHT – HAZARDOUS LOCATION

Project Information

Part Number: _____

Date: _____

Project: _____

Fixture Type: _____

Specifications

CATALOG NUMBERING GUIDE | AMLG LOW LUMEN AND AMLH HIGH LUMEN MODELS

| Series Prefix | Color Temperature | Beam Spread | Fusing Options | Metric Adapter Options | Pre-Wired Options |
|---------------|-------------------|-------------|----------------|------------------------|--------------------------|
| | Lumen (nominal) | Diffusion: | Voltage | Surge Option | Cold Temperature Options |
| AMLG | | | | | |

| SERIES PREFIX: | |
|--------------------------|---|
| AMLG | Areamaster Generation 2 LED Series - Low Lumen |
| AMLH | Areamaster Generation 2 LED Series - High Lumen |
| AMLG LUMEN (NOMINAL): ① | |
| L6 | 9,500 |
| L7 | 15,000 |
| L8 | 19,500 |
| AMLH LUMEN (NOMINAL): ① | |
| L1 | 24,000 |
| L2 | 30,000 |
| L3 | 38,000 |
| COLOR TEMPERATURE (CCT): | |
| C | 5000K (70 CRI) |
| N | 4000K (80 CRI) |
| W | 3000K (80 CRI) |
| S | 1800K (70 CRI) |
| A | Amber (56 CRI) |

| AMLG DIFFUSION: | |
|-------------------|--------------------------|
| G | Clear Glass |
| F | Frosted Glass |
| D | Diffused Polycarbonate ② |
| AMLH DIFFUSION: | |
| G | Clear Glass |
| F | Frosted Glass |
| AMLG BEAM SPREAD: | |
| 6 | NEMA 7x7 (non-optic) |
| 7 | NEMA 7x6 |
| AMLH BEAM SPREAD: | |
| 3 | NEMA 3x3 |
| 5 | NEMA 5x5 |
| 6 | NEMA 7x7 (non-optic) |
| 7 | NEMA 7x6 |

| VOLTAGE: | |
|-------------------------|---------------------------------------|
| BU | 120-277 Vac, 50/60 Hz, 125-300 Vdc |
| BH | 347-480 Vac, 50/60 Hz ③ |
| FUSING OPTIONS: | |
| Blank | No Fusing |
| F | Fusing ④ |
| SURGE OPTIONS: | |
| Blank | 6 kV Surge Protection (Standard) |
| S | 10 kV Surge Protection ⑤ |
| METRIC ADAPTER OPTIONS: | |
| Blank | No Adapter |
| M | M20 Metric Cable Entry Adapters ⑥ |

| COLD TEMPERATURE OPTIONS: | |
|---------------------------|---|
| Blank | Standard Temperature (-40 °C) |
| C | Cold Temperature (-55 °C) ⑦ |
| PRE-WIRED OPTIONS: ⑧ | |
| Blank | No Pre-wired options |
| P | Pre-wired (10 Foot Cord; 3 Conductors; Power without Dimming) |
| D | Pre-wired (10 Foot Cord; 5 Conductors; Power and Dimming) |

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

② Diffused Polycarbonate lens available for NEC/CEC only. Diffused Polycarbonate lens not available with Cold Start option.

③ BH voltage available for NEC/CEC only. BH voltage not available with Cold Start option. Dimming not available with BH voltage.

④ Use of fuse voids Marine rating. Fusing available for NEC/CEC only. Fusing not available with Cold Start option.

⑤ 10 kV Surge Protection available for NEC/CEC only. 10kV Surge Protection not available with Cold Start option.

⑥ M20 Metric Cable Entry Adapter not available with Pre-Wired options.

⑦ Cold Start option available for NEC/CEC only. Cold Start option not available with Diffused Polycarbonate lens, BH voltage, Fusing or 10kV Surge Protection.

⑧ Pre-Wiring available for NEC/CEC only. Pre-Wiring not available with Metric Adapter option. Cord grip used with Pre-Wiring option is Type 3R rated.

IP66/IP67 and Marine rating is not available with Pre-Wiring option.

DIMENSIONAL DRAWINGS ① | MILLIMETERS (INCHES)

| AMGL6 to AMLG8 | AMHL1 to AMLHL3 |
|--|---|
| <p>Front</p> <p>328.7 (12.94)</p> <p>413.5 (16.28)</p> <p>156.5 (6.16) Square</p> <p>57.2 (2.25)</p> <p>44.5 (1.75)</p> <p>88.9 (3.5)</p> <p>Ø 14 (0.56)</p> <p>(4) Yoke Bolts</p> <p>Conduit Entry</p> <p>Yoke</p> | <p>Front</p> <p>404.9 (15.94)</p> <p>213.4 (8.40)</p> <p>474.2 (18.67)</p> <p>203.2 (8.00)</p> <p>57.2 (2.25)</p> <p>44.5 (1.75)</p> <p>88.9 (3.5)</p> <p>Ø 14 (0.56)</p> <p>(4) Yoke Bolts</p> <p>Conduit Entry</p> <p>Yoke</p> |

① Refer to catalog pages or the Product Drawing configurator page for additional dimensional information; available on www.masteringled.com.

APPLETON™

United States: 1.800.621.1506 | Asia/Pacific: + 65.6556.1100 | Australia: + 61.3.9721.0387
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
www.masteringled.com

Appleton Grp LLC d/b/a Appleton Group. The Appleton and Emerson logos are registered in the U.S. Patent and Trademark Office. All other product or service names are the property of their registered owners. © March 2024, Appleton Grp LLC. All rights reserved.

 **EMERSON**™