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 ¾" 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 ✪

- 10 year standard warranty

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

AMLG + Clear Lens **AMLH + Frosted Lens**

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

- 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

- Zones 2 – 21 and 22

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.
✪ For warranty details go to www.appleton.emerson.com.

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 ❶	9,500	15,000	19,500	24,000	30,000	38,000
Efficacy (up to, lm/W) ❶	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 ❷	-40 °C to +65 °C (-40 °F to +149 °F)					-40 °C to +55 °C (-40 °F to +131 °F)
Temperature Code ❷	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					

❶ Nominal lumens based on NEMA 7x7 (Non-optic), 5000K CCT with clear glass lens. Refer to catalog pages for detailed performance.
❷ Refer to catalog pages for detailed temperature tables/operating temperature based on lumen output/certification.

APPLETON™

For product information:
www.masteringled.com
1.800.621.1506

EMERSON™

Project Information

Part Number: _____ Date: _____

Project: _____

Fixture Type: _____

Specifications

_____

_____

_____

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

Series Prefix	Lumen (nominal)	Color Temperature	Diffusion:	Beam Spread	Voltage	Fusing Options	Surge Option	Metric Adapter Options	Cold Temperature Options	Pre-Wired 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 ①

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)

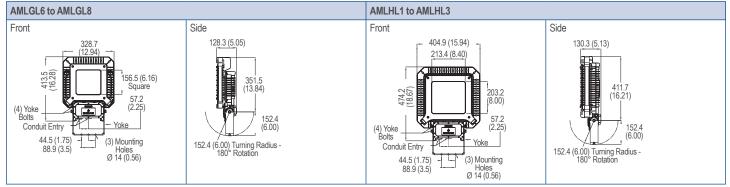① All lumen values are typical (tolerance +/- 10%).
② Diffused Polycarbonate lens available for NEC/CEC only. Diffused Polycarbonate lens not available with Cold Start option.
③ BH voltage available for NEC/CEC only. BH voltage not available with Cold Start option. Dimming not available with BH voltage.
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 ❶ | MILLIMETERS (INCHES)

AMLGL6 to AMLGL8		AMLHL1 to AMLHL3	
Front	Side	Front	Side

AMLGL6 to AMLGL8 — Front:
328.7 (12.94)
413.5 (16.28)
156.5 (6.16) Square
57.2 (2.25)
(4) Yoke Bolts
Conduit Entry
Yoke
44.5 (1.75)
88.9 (3.5)
(3) Mounting Holes Ø 14 (0.56)

AMLGL6 to AMLGL8 — Side:
128.3 (5.05)
351.5 (13.84)
152.4 (6.00)
152.4 (6.00) Turning Radius - 180° Rotation

AMLHL1 to AMLHL3 — Front:
404.9 (15.94)
213.4 (8.40)
474.2 (18.67)
203.2 (8.00)
57.2 (2.25)
(4) Yoke Bolts
Conduit Entry
Yoke
44.5 (1.75)
88.9 (3.5)
(3) Mounting Holes Ø 14 (0.56)

AMLHL1 to AMLHL3 — Side:
130.3 (5.13)
411.7 (16.21)
152.4 (6.00)
152.4 (6.00) Turning Radius - 180° Rotation

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

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