

AREAMASTER™ GENERATION 2 AND HIGH LUMEN LED ZONE 1 SERIES LUMINAIRES FLOODLIGHT — HAZARDOUS LOCATION

FEATURES

- Six lumen outputs provide up to 38,000 lumens
- Separate field wiring compartment with screw terminal block for easy and secure connection (can accept UL/CSA 26-10 AWG, 4 to 6 mm²).
- Yoke bracket is designed to accommodate traditional Areamaster brackets and slipfitters for easy retrofit.
- Choice of color temperature (CCT): 5000K (70 CRI) cool white, 4000K (80 CRI) neutral white, or 3000K (80 CRI) 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 6 kV surge protection.
- Captive fasteners secure on piece lens.
- Field replaceable LED driver and lens cover.
- Photobiological safety rating: Risk Group Zero (RG0) with frosted glass; Risk Group One (RG1) with clear glass

WARRANTY

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

TYPICAL APPLICATIONS

- For use in locations where:
 - Hazardous areas designated as: Zone 1, 2, 21 and 22
 - A high degree of corrosion resistance is required
 - Protection against gas, dust, water and moisture is necessary

- A wide range of harsh and hazardous 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
 - IP66/67; marine and wet locations
 - Extreme hot/cold temperature environments: -40 °C to +55/65 °C (-40 °F to +131/149 °F)

LUMINAIRE MATERIALS

- Housing and lens door: copperfree aluminum (4/10 of 1% maximum)
- 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
- Housing, lens cover, visor and yoke mount: architectural bronze polyester.



AMLZ + Clear Lens



AMHZ + 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, Zone 1 AEx/Ex eb mb Group IIC Gb | Class I, Zone 21 AEx/Ex tb Group IIC Db

IECEX / ATEX LISTINGS

- 1, 2, 21, 22 | Ex eb mb op is IIC | Ex II 2 GD | IP66/67 | IK08

RELATED PRODUCTS

- Areamaster™ Generation 2 and High Lumen LED Series Luminaires

PRODUCT SPECIFICATIONS

Series * Lumen Output	AMLZ*L6	AMLZ*L7	AMLZ*L8	AMHZ*L1	AMHZ*L2	AMHZ*L3
Input Power (W, @120 V)	65	105	140	165	205	275
Equivalencies (W, HID)	175-250	250-400	400-750	1000	1000-1500	1500
Nominal Lumens ❶	9500	15000	19500	24000	30000	38000
Efficacy (up to, lm/W) ❶	139	134	126	115	110	104
Color Temperature (CCT) (K)	5000/4000/3000					
Color Rendering Index (CRI)	≥ 70 CRI (5000K) ≥ 80 CRI (4000K / 3000K)					
Voltage	120-277 Vac, 50/60 Hz, 170-300 Vdc					
Surge Protection	Standard: 6 kV					
L70 Lifetime (hrs, reported)	> 60,000 hours @ +65 °C (+149 °F)					
Ambient Temperature ❷	Standard: -40 °C to +65 °C (-40 °F to +149 °F)					
Temperature Code ❷	T3 - T6					
Fixture Weight - kg (lbs)	9.8 (21.6)			16.5 (36.5)		
Replaceable Parts	Drivers, Globes					

❶ Nominal lumens based on Type 7x7 optics, 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



CONSIDER IT SOLVED™

AREAMASTER™ GENERATION 2 AND HIGH LUMEN LED ZONE 1 SERIES LUMINAIRES FLOODLIGHT — HAZARDOUS LOCATION

Project Information

Part Number: _____ Date: _____
Project: _____
Fixture Type: _____

Specifications

CATALOG NUMBERING GUIDE | LOW LUMEN MODEL

Series Prefix	Lumen (nominal)	Color Temperature	Diffusion:	Beam Spread	Voltage	Options
AMLZ				6	BU	
SERIES PREFIX: AMLZ Areamaster Generation 2 Zone 1 LED Series Luminaire - Low Lumen		COLOR TEMPERATURE (CCT): C Cool, 5000K N Neutral, 4000K W Warm, 3000K		BEAM SPREAD: 6 7x7 VOLTAGE: BU 120-277 Vac, 50/60 Hz, 170-300 Vdc		OPTIONS: M M20 Metric Blank 3/4" NPT
LUMEN (NOMINAL): ① L6 9K L7 15K L8 19K		DIFFUSION: G Clear Glass F Frosted Glass				

CATALOG NUMBERING GUIDE | HIGH LUMEN MODEL

Series Prefix	Lumen (nominal)	Color Temperature	Diffusion:	Beam Spread	Voltage	Options
AMHZ				6	BU	
SERIES PREFIX: AMHZ Areamaster Generation 2 Zone 1 LED Series Luminaire - High Lumen		COLOR TEMPERATURE (CCT): ‡ C Cool, 5000K N Neutral, 4000K W Warm, 3000K		BEAM SPREAD: 6 7x7 VOLTAGE: BU 120-277 Vac, 50/60 Hz, 170-300 Vdc		OPTIONS: M M20 Metric Blank 3/4" NPT
LUMEN (NOMINAL): ① L1 24K L2 30K L3 38K		DIFFUSION: G Clear Glass F Frosted Glass				

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

DIMENSIONAL DRAWINGS ① | MILLIMETERS (INCHES)

AMLZ	AMHZ
Front 	Front
Side 	Side

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

APPLETON™

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