

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: AMLV
- 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 ①	9500	15000	19500	24000	30000	38000
Efficacy (up to, lm/W) ①	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 ②	Standard: -40 °C to +65 °C (-40 °F to +149 °F)					
Temperature Code ②	T3 - T6					
Fixture Weight - kg (lbs)	9.8 (21.6)			16.5 (36.5)		
Replaceable Parts	Drivers, Globes					

① Nominal lumens based on Type 7x7 optics, 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.

APPLETONTM

For product information:
www.masteringled.com
 1.800.621.1506



EMERSONTM

CONSIDER IT SOLVED™

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

Project Information

Part Number: _____

Date: _____

Project: _____

Fixture Type: _____

Specifications

CATALOG NUMBERING GUIDE | LOW LUMEN MODEL

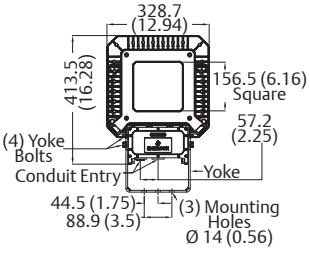
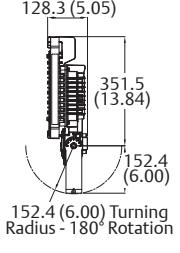
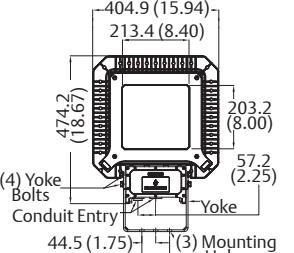
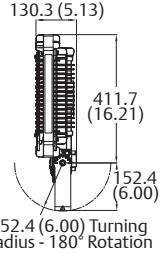
Series Prefix	Color Temperature	Beam Spread	Options
Lumen (nominal)	Diffusion:	Voltage	
AMLZ		6	BU
SERIES PREFIX:			
AMLZ Areamaster Generation 2 Zone 1 LED Series Luminaire - Low Lumen			
LUMEN (NOMINAL): ①			
L6 9K			
L7 15K			
L8 19K			
COLOR TEMPERATURE (CCT):		BEAM SPREAD:	OPTIONS:
C Cool, 5000K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

CATALOG NUMBERING GUIDE | HIGH LUMEN MODEL

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

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

DIMENSIONAL DRAWINGS ① | MILLIMETERS (INCHES)

AMLZ	Front	Side	AMHZ	Front	Side
 <p>Front</p> <p>328.7 (12.94) 156.5 (6.16) Square 57.2 (2.25) (4) Yoke Bolts Conduit Entry 44.5 (1.75) 88.9 (3.5) (3) Mounting Holes Ø 14 (0.56)</p>	 <p>Side</p> <p>128.3 (5.05) 351.5 (13.84) 152.4 (6.00) Turning Radius - 180° Rotation</p>		 <p>Front</p> <p>404.9 (15.94) 213.4 (8.40) 203.2 (8.00) 57.2 (2.25) (4) Yoke Bolts Conduit Entry 44.5 (1.75) 88.9 (3.5) (3) Mounting Holes Ø 14 (0.56)</p>	 <p>Side</p> <p>130.3 (5.13) 411.7 (16.21) 152.4 (6.00) Turning Radius - 180° Rotation</p>	

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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