

AREAMASTER CONNECT LED SERIES LUMINAIRES FLOODLIGHT — HAZARDOUS LOCATION

FEATURES

- Integrated Hazardous Location Rated WirelessHART® ɳ Sensor Module:
 - Integrated Photocontrol
 - Device health monitoring and alerts
 - Strengthens WirelessHART® ɳ network with a line powered luminaire
- Extended range antenna option
- Adjustable LED Driver output:
 - User selectable maximum lumen output
 - Fully dimmable driver from 100% to 0%
- Commission within Emerson Plantweb Insight's Connected Lighting Application:
 - Asset Management
 - Map Based Commissioning
 - Programmable central or standalone control modes
- Field provisioning with either Emerson AMS Device Manager or Emerson AMS TREX handheld.
- Wide range of 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
- Integrated 0-10V Dimming Controller for group lighting control of up to 10 dimmable luminaires
 - Dimming connection located inside front 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)
- 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.
- HART® ɳ Service Port connection inside wiring compartment
- Captive fasteners secure one piece lens
- Field replaceable LED driver and lens cover
- Photometric data and electronic drawings available upon request

WARRANTY ɳ

- 10 year limited 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
- IP66/IP67, Type 4X, marine and wet locations. IP66 for IECEx/ATEX
- Locations requiring dependable, consistent lighting in extreme hot/cold temperature environments
 - Ambient temperature range -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 AMLCL3 output
- Globally rated luminaires with all applicable certification labels for NEC/CEC and ATEX/IECEx environments. See Certifications and Compliances for details

LUMINAIRE MATERIALS

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



AMLCL6 / AMLCL8



AMLCL3

ACCESSORIES (PURCHASE SEPARATELY)

- Wall Mount Bracket: GPSWB6GAL
- Wire Guard — AMLCL6 / AMLCL8: LGGUARD
- Wire Guard — AMLCL3: LHGUARD
- Safety cable: LEDSC
- Visor — AMLCL6 / AMLCL8: AMLGV
- Visor — AMLCL3: 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 | Type 3R, 4 and 4X | IP66/67 | Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations

IECEX / ATEX LISTINGS

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

NOTABLE LISTINGS

- CE
- 5G Vibration

RELATED PRODUCTS

- Industrial Areamaster Connect LED Series Luminaires
- Areamaster Generation 2 and High Lumen LED Series Luminaires (with Dimming Capabilities)
- Appleton Wireless Motion Sensor
- Mercmaster Connect LED Luminaires
- Emerson Plantweb Insight Connected Lighting Application
- Emerson 1410S WirelessHART Gateway
- Emerson 1410D WirelessHART Gateway

PRODUCT SPECIFICATIONS

Series Lumen Output	AMLCL6	AMLCL8	AMLCL3
Nominal Wattage (W, @120 V)	73	154	317
Equivalencies (W, HID)	175-250	400-750	1500
Nominal Lumens ①	Up to 9,500	Up to 19,500	Up to 38,000
Efficacy (up to, lm/W) ①	141	128	126
Color Temperature (CCT) (K)	5000/4000/3000/1800/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		
Surge Protection	Standard: 6 kV/3 kA		
L70 Lifetime (hrs, reported)	+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)	10.49 kg (23.13 lbs)		17.25 kg (38.02 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.

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

APPLETON™

For product information:
www.masteringled.com
1.800.621.1506



EMERSON™

AREAMASTER CONNECT LED SERIES LUMINAIRES

FLOODLIGHT — HAZARDOUS LOCATION

Project Information		Specifications	
Part Number:		Date:	
Project:			
Fixture Type:			

CATALOG NUMBERING GUIDE

Series Prefix	Lumen (nominal)	Color Temperature	Diffusion	Beam Spread	Voltage	Control Options	Options
AMLC							

SERIES PREFIX: AMLC Areamaster Connect LED LUMEN (NOMINAL): ① L6 9,500K L8 19,500K L3 38,000K ③	COLOR TEMPERATURE (CCT): C Cool, 5000K (70 CRI) N Neutral, 4000K (80 CRI) W Warm, 3000K (80 CRI) S 1800K (70 CRI) A Amber DIFFUSION: G Clear Glass F Frosted Glass D Diffused Polycarbonate ②	BEAM SPREAD: 6 NEMA 7x7 (non-optic) 7 NEMA 7x6 3 NEMA 3x3 ③ 5 NEMA 5x5 ③ VOLTAGE: BU 120-277 Vac, 50/60 Hz; 125-300 Vdc	CONTROL OPTIONS: 7 WirelessHart, Photocontrol, Standard Range Antenna 8 WirelessHart, Photocontrol, Extended Range Antenna OPTIONS: M M20 Metric Cable Entry Adapter (Quantity: 1) ④ D Pre-wired (10 Foot Cord; 5 Conductors; Power and Dimming) ⑤ Blank None
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① All lumen values are typical (tolerance +/- 10%).

② Diffused Polycarbonate lens available for L6 and L8 only. Diffused Polycarbonate lens available for NEC/CEC only.

③ NEMA 3x3 and NEMA 5x5 beam spreads are only available on L3 lumen level luminaires.

④ M20 Metric Cable Entry Adapter not available with Pre-Wired option.

⑤ Pre-Wiring available for NEC/CEC only. 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)

AMLCL6 and AMLCL8		AMLCL3	
Front	Side	Front	Side

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