

Areamaster™ Connect LED Series Luminaires

Floodlight

Hazardous Locations

NEC/CEC: 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
ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66
Markings: CE
Notable: 5G Vibration

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 AMLCL3 output.
- Globally rated luminaires with all applicable certification labels for NEC/CEC and ATEX/IECEX environments. See Certifications and Compliances for details.

Features

- Integrated Hazardous Location Rated WirelessHART®[Ⓜ] Sensor Module:
 - Integrated Photocontrol
 - Device health monitoring and alerts
 - Strengthens WirelessHART®[Ⓜ] network with a line powered luminaire
- 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.

Nominal Lumens ①	HID Equivalent	Model Number
Up to 9,500	175W-250W	AMLCL6
Up to 19,500	400W-750W	AMLCL8
Up to 38,000	1500W	AMLCL3

- 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.
- Yoke bracket is designed to accommodate traditional Areamaster brackets and slipfitters for easy retrofit. Optional stainless steel yoke bracket is available.



AMLCL6 / AMLCL8



AMLCL3

- 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).
- L70 Ratings:

+25 °C (+77 °F)	Reported	> 60,000 hours
Ambient Temperature	Calculated	> 200,000 hours
+65 °C (+149 °F)	Reported	> 60,000 hours
Ambient Temperature	Calculated	> 135,000 hours
- 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®[Ⓜ] 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 Ⓢ

- 10 year standard warranty.

Options

- Extended range antenna.
- Motion sensing capable using Appleton Wireless Motion Sensor, *purchase separately*.
- Improved safety cable design with multiple retention points, *purchase separately*.
- Guard and visor available, *purchase separately*.
- Slip-fitters and mounting brackets available for easy pole or wall mounting.
- Stainless steel yoke bracket.

Standard 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

Standard Finishes

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

① Nominal lumen value for 5000K, clear glass globe, Type V Wide optic. Detailed lumen information is provided in the "Lumen Output (Efficacy)" tables.

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

✦ Killark is a registered trademark of Hubbell Incorporated.

✦ Crouse-Hinds is a registered trademarks of Cooper Crouse-Hinds.

Ⓜ HART and WirelessHART are registered trademarks of the FieldComm Group

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Markings: CE

Notable: 5G Vibration

NEC/CEC Certifications and Compliances

- UL Standards: UL 844; UL1598; UL1598A; UL 8750
- CSA Standards: CSA C22.2 No. 250.0; CSA C22.2 No. 137
- cCSAus Certificate: 80187597
- Vibration Rating: 5G

ATEX/IECEx Certifications and Compliances

- Certification Type: Areamaster Connect LED
 - Gas: Zone 2
 - Conforming to ATEX 2014/34/EU: II 3G
 - Type of Protection: Ex ec IIC Gc
 - Temperature Class: AMLCL6, AMLCL8 – T5 to T3; AMLCL3 – T4 to T3
 - Dust: Zones 21 and 22
 - Conforming to ATEX 2014/34/EU: II 2D
 - Type of Protection: Ex tb IIIC Db
 - Surface Temperature: +85 °C to +100 °C (+185 °F to +212 °F)
 - Dust: Zone 22
 - Conforming to ATEX 2014/34/EU: II 3D
 - Type of Protection: Ex tc IIIC Dc
 - Surface Temperature: +85 °C to +100 °C (+185 °F to +212 °F)
- Ambient Temperature: -40 °C up to +65 °C (-40 °F up to +149 °F). -40 °C to +55 °C (-40 °F to +131 °F) for high lumen AMLCL3 output.
- ATEX Certificates:
 - For Zone 21: INERIS 24ATEX0015X
 - For Zone 2 and Zone 22: INERIS 24ATEX3003X
- IECEx Certificate: IECEx INE 24.0029X

- Index of Protection according to EN/IEC 60529: IP66
- Impact Resistance (shock): IK08
- Photobiological Safety, IEC 62778 and IEC 62471: Risk Group 1 (RG1) ①

CE Marking

- ATEX: EN 60079-0, EN 60079-7, EN 60079-31, EN 60079-11, EN 60079-18
- Safety: EN 60598-1, EN 60598-2-5
- EMC: EN 61547, 61000-6-2, 61000-6-4, 61000-3-2; CISPR 15
- RED: EN 301489-1, EN 301489-17, EN 300328

DesignLights™ Consortium

- Check DLC QPL for current list of products.

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

Contains Wireless Spectrum Approvals

- FCC ID: LW2-RM5801
- IC ID: 2731A-RM5801

Illustrated Features

Light Where You Need It

Choose from **3 color temperatures** and a **variety of secondary optics** to put light where your application needs it most. Unsure of which optic is best for your job? Contact your sales representative to get a free 3D Dialux simulation.

Dimmable Lumen Output



Program the nominal lumen value based on the mounting height.

- L6 – up to 9,500 lumens
- L8 – up to 19,500 lumens
- L3 – up to 38,000 lumens

Dimming



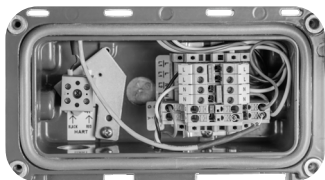
Areamaster Connect's LED Driver fully dims the light output from 100% down to 0% based on the active operating mode.

Maintenance Alerts



Internal sensors monitor the health and reliability of the Areamaster Connect electronics and provide status updates over WirelessHART® Ⅱ.

Robust Design



Front-Facing Wiring Compartment:

Gasketed front wiring compartment with screw terminal block, and captive screws offers unmatched installation ease and convenience.



Replaceable Drivers:

Easy to access, field replaceable drivers extend the useful life of your luminaire up to 200,000 hours or more.



Visor and Guard:

Comply with light pollution regulations or control light spread with a visor. Protect the lens with a guard.

① For viewing distance at 3.365 m or more for non-optic versions.

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Simultaneous Exposure | Marine Outside Type (Salt Water) for USA Only | Wet Locations

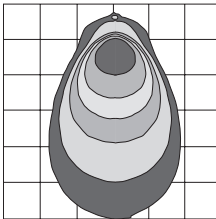
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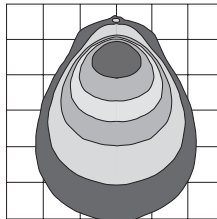
Notable: 5G Vibration

Illustrated Features

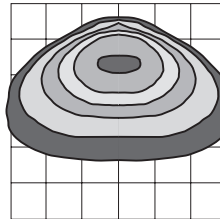
The Right Beam Pattern for Your Application



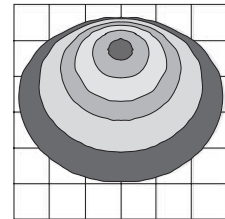
NEMA 3x3 – Very Narrow, spot type forward intensity focus. Enables highest mounting heights (30 m / 100 ft +) while maintaining delivered light on surface (footcandles/lux).



NEMA 5x5 – Narrow, spot type forward intensity focus. Enables higher mounting heights (15 m / 50 ft +) while maintaining delivered light on surface (footcandles/lux).



NEMA 7x6 – Mimics traditional HID light distribution. Light intensity is directed forward and side-to-side to maximize spacing between luminaires.



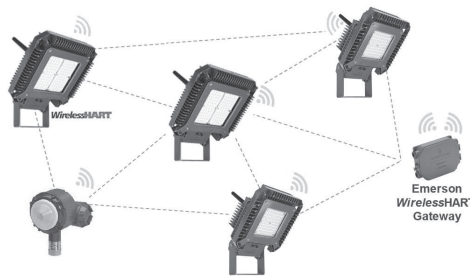
NEMA 7x7 – Uniform light spread, perfect for most typical flood lighting applications.

Integrated Photocontrol



Areamaster Connect uses a photocontrol sensor to measure the natural light level in the area and adjusts the lumen output to only use light when needed.

Central Control Modes



Using Plantweb Insight, central control modes operate across an assigned group of luminaires.

Central Control Modes:

1. Group Sensing Control - Control a group of luminaires together based on the state of their sensors
2. Time Based Schedule - Schedule up to four time periods per day to turn on groups of luminaires based on the current network time
3. Always On- Set a group of light fixtures to a common light dimming level from 0 to 100%.

Plantweb Insight Connected Lighting Application



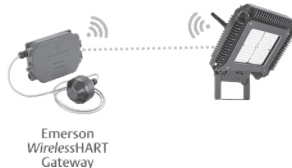
Enables critical system monitoring without adding another lighting control system. Commission lighting controls, monitor lighting performance, and review historical energy analytics.

Robust and Reliable WirelessHART Protocol

WirelessHART™

Emerson's WirelessHART™ combines HART technology with wireless capabilities to create an adaptable wireless communications protocol for process automation applications. WirelessHART™ offers simple installation and robust, layered security to ensure network protection.

Failsafe Operating Mode



If the rare case of communication loss from a WirelessHART™ gateway, all Areamaster Connect LED Luminaires on that gateway will revert to maximum brightness until communication is restored.

Integrated 0-10V Dimming Controller for Group Lighting Control



Areamaster Connect can control the lighting intensity of a group of dimmable wired LED luminaires with its integrated 0-10V dimming controller. Areamaster Connect's dimming output voltage matches its internal lighting level to raise and lower the lighting level of daisy chained dimmable wired LED luminaires. On a single electrical circuit, wire up to 10 standard dimmable luminaires over an up to 60 m (200 ft) total cable run. Compatible with 0-10V and 1-10V dimmable LED luminaires.

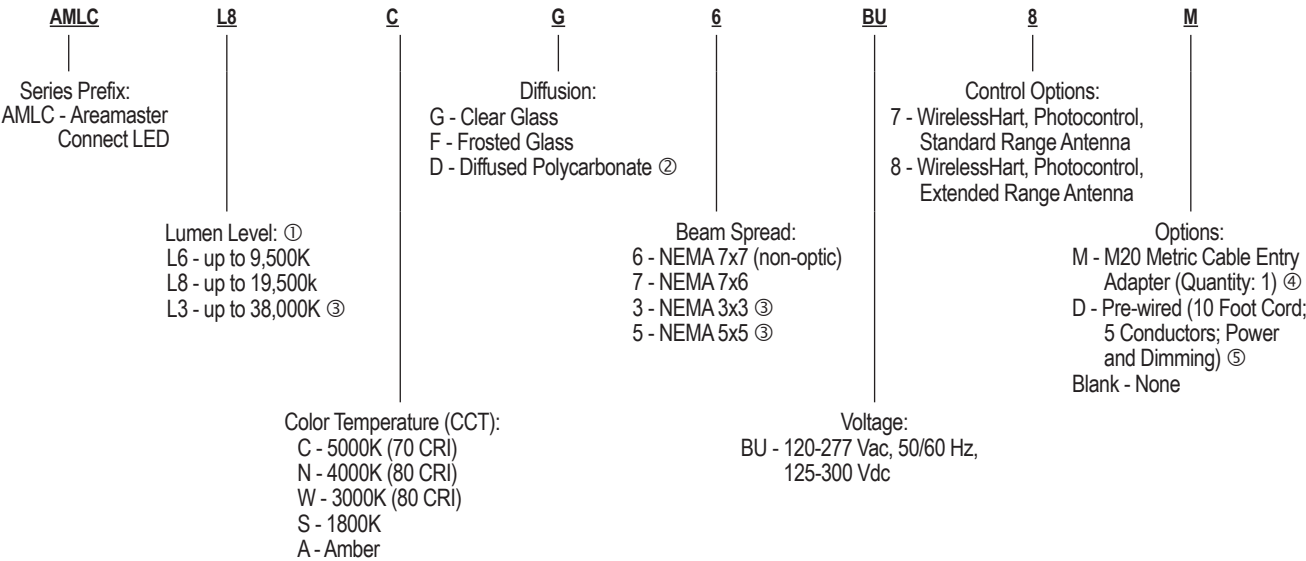
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Order Using Catalog Numbering Guide — Areamaster™ Connect LED Series Luminaires



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.

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Notable: 5G Vibration

Lumen Output (Efficacy) ① — 3000K, 4000K, 5000K

			CCT (Correlated Color Temperature)	CRI (Color Rendering Index)	Lumen Output	Efficacy (lm/W)			Lumen Output	Efficacy (lm/W)			Lumen Output	Efficacy (lm/W)
Model	HID Equivalency	Light Distribution Pattern					CCT	CRI			CCT	CRI		
Clear Glass														
AMLCL6	175W-250W	NEMA 7x6	3000K	80	7,350	105	4000K	80	8,500	121	5000K	70	9,500	136
		NEMA 7x7	3000K	80	7,650	109	4000K	80	9,000	129	5000K	70	9,900	141
AMLCL8	400W-750W	NEMA 7x6	3000K	80	14,500	95	4000K	80	16,550	109	5000K	70	18,500	122
		NEMA 7x7	3000K	80	15,000	99	4000K	80	17,550	115	5000K	70	19,500	128
AMLCL3	1500W	NEMA 3x3	3000K	80	29,500	99	4000K	80	30,950	104	5000K	70	34,750	117
		NEMA 5x5	3000K	80	32,000	107	4000K	80	33,600	113	5000K	70	37,500	126
		NEMA 7x6	3000K	80	29,300	98	4000K	80	31,500	106	5000K	70	35,350	119
		NEMA 7x7	3000K	80	31,000	104	4000K	80	32,800	110	5000K	70	37,400	126
Frosted Glass														
AMLCL6	175W-250W	NEMA 7x6	3000K	80	6,200	89	4000K	80	7,200	103	5000K	70	7,900	113
		NEMA 7x7	3000K	80	6,400	91	4000K	80	7,500	107	5000K	70	8,300	119
AMLCL8	400W-750W	NEMA 7x6	3000K	80	12,000	79	4000K	80	14,000	92	5000K	70	15,550	102
		NEMA 7x7	3000K	80	12,500	82	4000K	80	14,500	95	5000K	70	16,550	109
AMLCL3	1500W	NEMA 3x3	3000K	80	26,400	89	4000K	80	27,500	92	5000K	70	31,000	104
		NEMA 5x5	3000K	80	28,600	96	4000K	80	29,750	100	5000K	70	33,500	112
		NEMA 7x6	3000K	80	24,750	83	4000K	80	26,550	89	5000K	70	29,950	101
		NEMA 7x7	3000K	80	26,000	87	4000K	80	27,700	93	5000K	70	31,500	106
Diffused Polycarbonate														
AMLCL6	175W-250W	NEMA 7x6	3000K	80	5,950	85	4000K	80	6,950	99	5000K	70	7,700	110
		NEMA 7x7	3000K	80	6,250	89	4000K	80	7,300	104	5000K	70	8,050	115
AMLCL8	400W-750W	NEMA 7x6	3000K	80	11,500	76	4000K	80	13,500	89	5000K	70	15,000	99
		NEMA 7x7	3000K	80	12,100	80	4000K	80	14,150	93	5000K	70	15,650	103

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Notable: 5G Vibration

Lumen Output (Efficacy) ① — Amber, 1800K

Model	HID Equivalency	Light Distribution Pattern	CCT (Correlated Color Temperature)	CRI (Color Rendering Index)	Lumen Output	Efficacy (lm/W)	CCT	CRI	Lumen Output	Efficacy (lm/W)
Clear Glass										
AMLCL6	175W-250W	NEMA 7x6	Amber	56	5,400	78	1800K	70	6,150	89
		NEMA 7x7	Amber	56	5,900	82	1800K	70	6,700	94
AMLCL8	400W-750W	NEMA 7x6	Amber	56	10,150	67	1800K	70	11,650	77
		NEMA 7x7	Amber	56	10,450	69	1800K	70	12,250	81
AMLCL3	1500W	NEMA 3x3	Amber	56	18,750	63	1800K	70	19,850	67
		NEMA 5x5	Amber	56	19,850	67	1800K	70	21,850	73
		NEMA 7x6	Amber	56	18,450	62	1800K	70	20,700	69
		NEMA 7x7	Amber	56	19,500	66	1800K	70	21,800	73
Frosted Glass										
AMLCL6	175W-250W	NEMA 7x6	Amber	56	4,550	66	1800K	70	5,250	76
		NEMA 7x7	Amber	56	4,950	69	1800K	70	5,600	79
AMLCL8	400W-750W	NEMA 7x6	Amber	56	8,500	56	1800K	70	9,950	66
		NEMA 7x7	Amber	56	8,800	58	1800K	70	10,300	68
AMLCL3	1500W	NEMA 3x3	Amber	56	16,950	57	1800K	70	17,650	59
		NEMA 5x5	Amber	56	17,400	59	1800K	70	19,500	65
		NEMA 7x6	Amber	56	15,800	53	1800K	70	19,900	60
		NEMA 7x7	Amber	56	16,450	55	1800K	70	18,600	62
Diffused Polycarbonate										
AMLCL6	175W-250W	NEMA 7x6	Amber	56	4,300	62	1800K	70	4,950	72
		NEMA 7x7	Amber	56	4,700	66	1800K	70	5,350	75
AMLCL8	400W-750W	NEMA 7x6	Amber	56	8,050	53	1800K	70	9,450	62
		NEMA 7x7	Amber	56	8,350	55	1800K	70	9,850	65

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Electrical Specifications ①

Model	Voltage	Input Power (Watts)	Input Current (Amps)	Power Factor (PF)	Total Harmonic Distortion (THD)
AMLCL6	120 Vac	73	0.62	>.9	<20%
	277 Vac	71	0.27		
	125 Vdc	69	0.55	N/A	N/A
	300 Vdc	68	0.23		
AMLCL8	120 Vac	154	1.30	>.9	<20%
	277 Vac	146	0.56		
	125 Vdc	156	1.25	N/A	N/A
	300 Vdc	152	0.51		
AMLCL3	120 Vac	317	2.67	>.9	<20%
	277 Vac	303	1.15		
	125 Vdc	305	2.44	N/A	N/A
	300 Vdc	298	0.99		

LED Luminaires | Floodlight | Hazardous Location | NEC / CEC / ATEX / IECEX

Note: Surge Protection: Integral 6 kV surge protection.
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NEC/CEC Temperature Codes

Model	Max Driver Current (mA)	Max Ambient C° (F°)	Gas		Dust		Combined Class I, Division 2 and Class II, Division 1
			Class I, Division 2 Groups A, B, C, D	Class I, Zone 2 Group IIC	Class II, Division 1 Groups E, F, G	Zone 20 Group IIIC	
AMLCL6	410	40 (104)	T5	T5	T6	T6	T5
		55 (131)	T4A	T4	T4A	T4	T4A
		65 (149)	T4A	T4	T4A	T4	T4A
AMLCL8	930	40 (104)	T4A	T4	T6	T6	T4A
		55 (131)	T4	T4	T5	T5	T4
		65 (149)	T4	T4	T4A	T4	T4
AMLCL3	915	40 (104)	T3C	T3	T5①	T5①	T3C
		55 (131)	T3C	T3	T5①	T5①	T3C
		65 (149)	—	—	—	—	—

NEC/CEC — “T” Numbers Represent the Maximum Internal Temperature or Maximum Surface Temperature ② ③

“T” #	T1	350	325	T2	T2A	T2B	T2C	T2D	T3	T3A	T3B	T3C	T4	T4A	T5	T6
Temp. Range °C (°F)	+351 to +450 (+664 to +842)	+326 to +350 (+619 to +662)	+301 to +325 (+574 to +617)	+281 to +300 (+538 to +572)	+261 to +280 (+502 to +536)	+231 to +260 (+448 to +500)	+216 to +230 (+421 to +446)	+201 to +215 (+394 to +419)	+181 to +200 (+358 to +392)	+166 to +180 (+331 to +356)	+161 to +165 (+322 to +329)	+136 to +160 (+277 to +320)	+121 to +135 (+250 to +275)	+101 to +120 (+214 to +248)	+86 to +100 (+187 to +212)	+85 (+185)

ATEX/IECEx Temperature Codes

Model	Max Driver Current (mA)	Gas — T Rating			Dust — Surface Temperature		
		+40°C (+104°F)	+55 °C (+131°F)	+65°C (+149°F)	+40°C (+104°F)	+55 °C (+131°F)	+65°C (+149°F)
AMLCL6	410	T6	T5	T4	T85°C	T85°C	T85°C
AMLCL8	930	T4	T3	T3	T85°C	T100°C	T100°C
AMLCL3	915	T3	T3	—	T100°C	T100°C	—

ATEX/IECEx — “T” Numbers Represent the Maximum Internal Temperature or Maximum Surface Temperature

“T” #	T1	T2	T3	T4	T5	T6
Temp. Range °C (°F)	+301 to +450 (+547 to +842)	+201 to +300 (+394 to +572)	+136 to +200 (+277 to +392)	+101 to +135 (+214 to +275)	+86 to +100 (+187 to +212)	+85 (+185)

Notes: Supply Wire Temperature for all: +90 °C (+194 °F).

For input voltages of 125-169 Vdc, an ambient temperature exceeding +55 °C (+131 °F) is not permitted.

① T5 is maximum allowed temperature code, and T100°C is maximum allowed temperature, when model number includes 3x3 secondary optic.

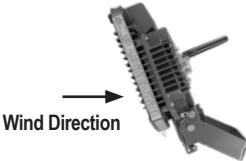
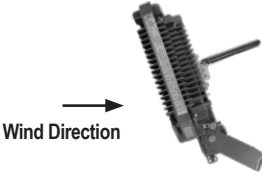
② T numbers represent the maximum internal temperature for Class I, Division 2 and Class I, Zone 2 locations designated by the NEC.

③ T numbers represent the maximum surface temperature under a dust blanket for Class II, Division 1 and Class I, Zone 2 as designated by the NEC or Zone 2 (Gas) and 22 (Dust) locations as designated by the IEC.

Areamaster™ Connect LED Series Luminaires

Floodlight
Hazardous Locations

NEC/CEC: 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
ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66
Markings: CE
Notable: 5G Vibration

Luminaire Category		Frontal Projected Area (FPA) ft²	Drag Coefficient (DC)	Effective Projected Area (EPA) = FPA*DC ft²
AMLCL6, AMLCL8				
90° to Ground-Worst Case Mounting		1.52	1.20	1.82
45° to Ground-Standard Mounting		1.07	1.2	1.28
AMLCL3				
90° to Ground-Worst Case Mounting		2.04	1.20	2.45
45° to Ground-Standard Mounting		1.44	1.20	1.73

LED Luminaires | Floodlight | Hazardous Location | NEC / CEC / ATEX / IECEX

Areamaster™ Connect LED Series Luminaires

Floodlight
Hazardous Locations

NEC/CEC: 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
ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66
Markings: CE
Notable: 5G Vibration

Accessories and Replacement Parts

	Description	Weight in kg (lbs)	Catalog Number
Crossarm Mounting Bracket			
	Has 180° horizontal adjustment — degree marked. Facilitates mounting floodlight to crossarm or other flat surface, or to GAM8WB. Includes floodlight yoke bolts. Malleable iron, zinc plated, chromate sealed, architectural bronze polyester finish.	1.4 (3.1)	GAM8CA
Pipe or Wall Mount Bracket			
	Used with GAM8CA. Clamps to 1" to 2-1/2" pipe, vertical or horizontal, or mounts on flat surfaces. Includes U-bolt and crossarm bracket bolts. Malleable iron, zinc plated, chromate sealed, with architectural bronze polyester finish.	2.9 (6.4)	GAM8WB
	Crossarm Mounting Bracket (GAM8CA) used with Pipe or Wall Mount Bracket (GAM8WB).		
Poletop Slip-Fitter			
	Slip-fits 1" or 1-1/2" pipe size poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Body is malleable iron-zinc plated, chromate sealed, with cast aluminum cap. Assembly has architectural bronze polyester finish.	2.4 (5.3)	AMLEDSF1
Poletop Slip-Fitter			
	Slip-fits 1-1/2" or 2" pipe size poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Body is malleable iron-zinc plated, chromate sealed, with cast aluminum cap. Assembly has architectural bronze polyester finish.	2.4 (5.3)	G-SF20
Poletop Slip-Fitter			
	Slip-fits 2" or 2-1/2" poletop tenons. Includes floodlight yoke bolts, 3 locking bolts, and cord grip. Malleable iron, zinc plated, chromate sealed, with architectural bronze polyester finish.	2.8 (6.2)	GAM8SF

Areamaster™ Connect LED Series Luminaires

Floodlight

Hazardous Locations

NEC/CEC: 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
ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66
Markings: CE
Notable: 5G Vibration

Accessories and Replacement Parts			
	Description	Weight in kg (lbs)	Catalog Number
Wall Mount Bracket			
	Used with GAM8SF to provide a wall mounting option. Galvanized Steel.	4.8 (10.5)	GPSWB6GAL
Wire Guard - Stainless Steel			
	AMLCL6, AMLCL8	0.2 (0.4)	LGGUARD
	AMLCL3		LHGUARD
Safety Cable			
	Stainless steel - 1.22 m (4 ft)	0.2 (0.4)	LEDSC
	Stainless steel - 2.44 m (8 ft)	0.4 (0.8)	LEDSC8
Visor for Dark Sky Friendly Design - Steel with architectural bronze polyester finish			
	AMLCL6, AMLCL8	0.2 (0.4)	AMLGV
	AMLCL3		AMLHV
Portable Floodlight Base			
	Portable floodlight base for temporary lighting applications. To be used with wire guard. Malleable iron with architectural bronze polyester finish.	2.4 (5.2)	GAMPFB
Replacement Covers/Lenses			
	Clear Glass — AMLCL6, AMLCL8	2.2 (4.8)	AMLGCLEAR
	Frosted Glass — AMLCL6, AMLCL8	2.0 (4.5)	AMLGFROST
	Diffused Polycarbonate — AMLCL6, AMLCL8	1.6 (3.5)	AMLGDIFFP
	Clear Glass — AMLCL3	2.4 (5.3)	AMLHCLEAR
	Frosted Glass — AMLCL3	2.4 (5.3)	AMLHFROST
Yoke Mount Bracket			
	Stainless Steel Yoke Mount Bracket. For installations requiring a higher degree of corrosion protection. Made with all stainless steel components, no painted finish.	1.8 (4.0)	AMLYMSS
	Architectural Bronze Replacement Yoke Bracket - Matches mounting hole pattern of Crouse-Hinds™ ± Champ FMVA and Champ Pro PFMA LED series floodlights	1.41 (3.1)	AMLYMCH

± Crouse-Hinds and Champ are registered trademarks of Cooper Industries, Inc., a wholly owned subsidiary of the Eaton Corporation plc.

Areamaster™ Connect LED Series Luminaires

Floodlight
Hazardous Locations

NEC/CEC: 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
ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66
Markings: CE
Notable: 5G Vibration

Replacement Drivers

	Model	Voltage	Driver Wattage	Constant Current Setting	Catalog Number
	AMLCL6C, AMLCL6N, AMLCL6W, AMLCL6S, AMLCL6A	BU	100 Watt	410mA	APMZ100C090UD
	AMLCL8C, AMLCL8N, AMLCL8S, AMLCL8A, AMLCL8W	BU	150 Watt	930mA	APMZ150C135UD
	AMLCL3C, AMLCL3N, AMLCL3S, AMLCL3A, AMLCL3W	BU	150 Watt	915mA	APMZ150C135UD

Luminaire Weight

Description	Weight in kg (lbs)
AMLCL6, AMLCL8 Luminaires	10.49 (23.13)
AMLCL3 Luminaires	17.25 (38.02)

Areamaster™ Connect LED Series Luminaires

Floodlight

Hazardous Locations

NEC/CEC: 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

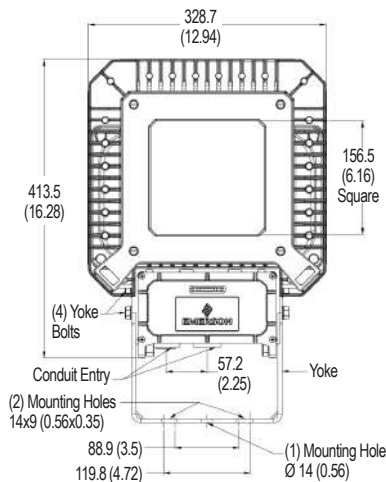
ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66

Markings: CE

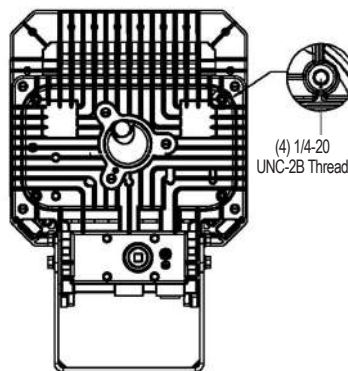
Notable: 5G Vibration

Dimensions in Millimeters (Inches) — Floodlight — AMLCL6, AMLCL8

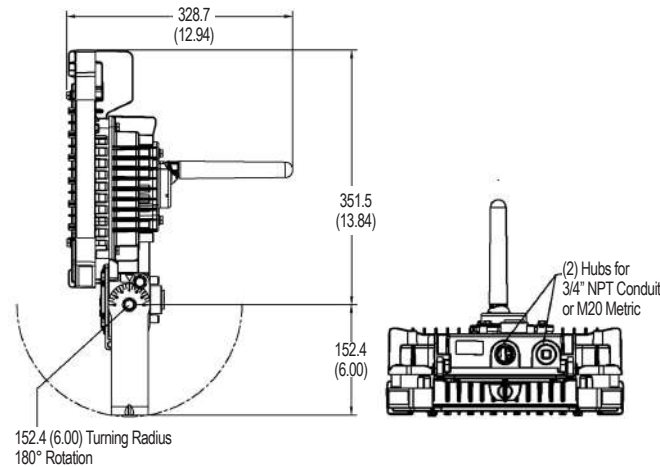
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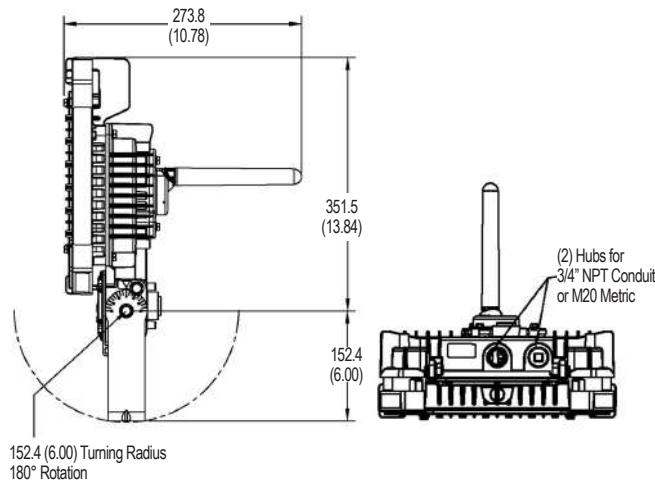
Back



Side — Standard Range Antenna



Side — Extended Range Antenna



Areamaster™ Connect LED Series Luminaires

Floodlight

Hazardous Locations

NEC/CEC: 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

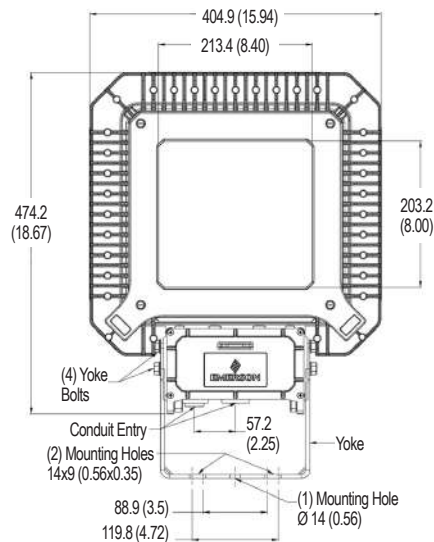
ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66

Markings: CE

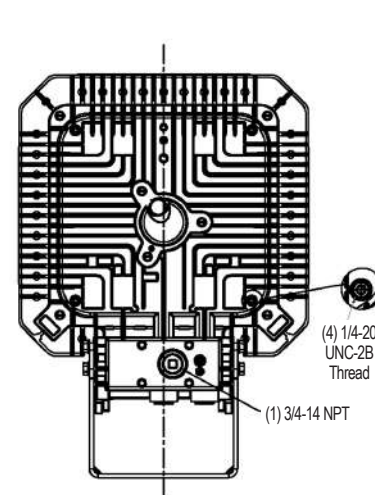
Notable: 5G Vibration

Dimensions in Millimeters (Inches) — Floodlight — AMLCL3

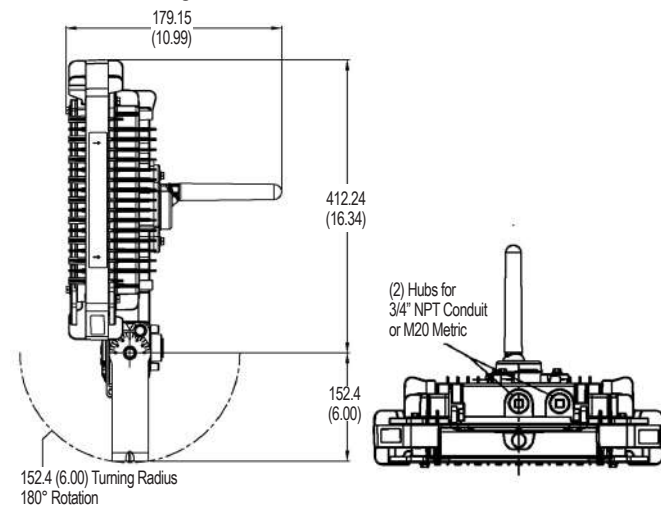
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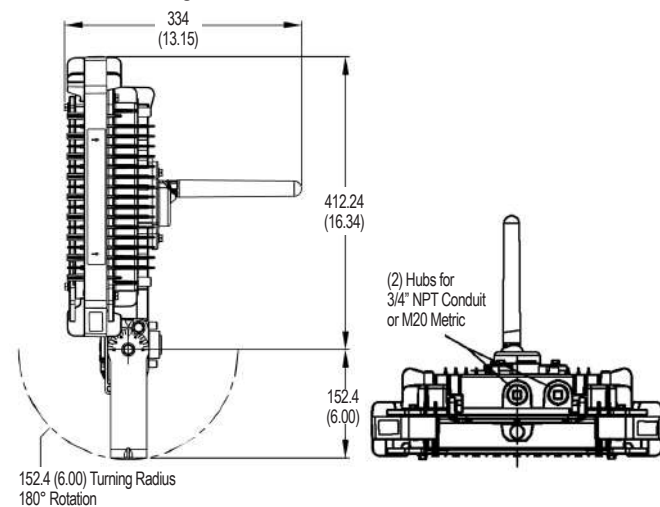
Back



Side — Standard Range Antenna



Side — Extended Range Antenna



Areamaster™ Connect LED Series Luminaires

Floodlight

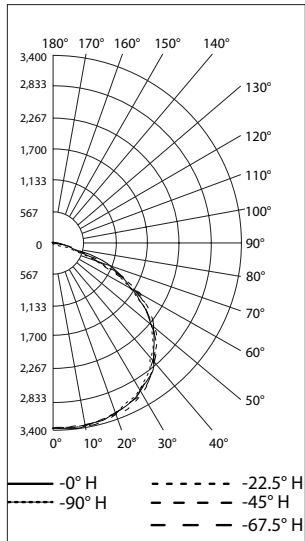
Hazardous Locations

NEC/CEC: 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
 ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66
 Markings: CE
 Notable: 5G Vibration

Photometric Data — DATA SHOWN IS ABSOLUTE

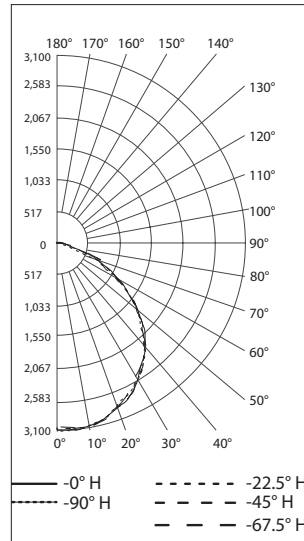
NEMA 7x7, Clear Glass, 5000K CCT
 REPORT NUMBER: **AMLCL6CG6BU**
 Luminaire Lumens 9,964

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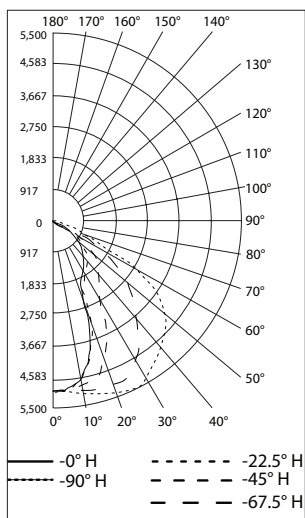
NEMA 7x7, Frosted Glass, 5000K CCT
 REPORT NUMBER: **AMLCL6CF6BU**
 Luminaire Lumens 8,115

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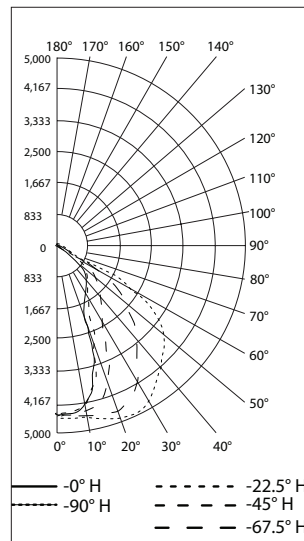
NEMA 7x6, Clear Glass, 5000K CCT
 REPORT NUMBER: **AMLCL6CG7BU**
 Luminaire Lumens 9,086

POLAR CANDELA DISTRIBUTION



NEMA 7x6, Clear Glass, 3000K CCT
 REPORT NUMBER: **AMLCL6WG7BU**
 Luminaire Lumens 8,111

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Areamaster™ Connect LED Series Luminaires

Floodlight

Hazardous Locations

NEC/CEC: 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

ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66

Markings: CE

Notable: 5G Vibration

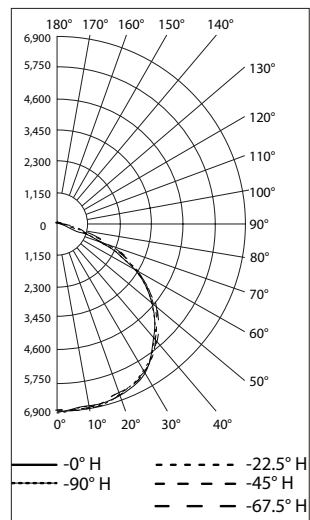
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NEMA 7x7, Clear Glass, 5000K CCT

REPORT NUMBER: AMLCL8CG6BU

Luminaire Lumens 19,895

POLAR CANDELA DISTRIBUTION

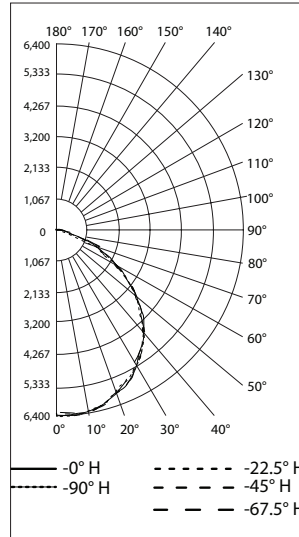


NEMA 7x7, Frosted Glass, 5000K CCT

REPORT NUMBER: AMLCL8CF6BU

Luminaire Lumens 16,503

POLAR CANDELA DISTRIBUTION

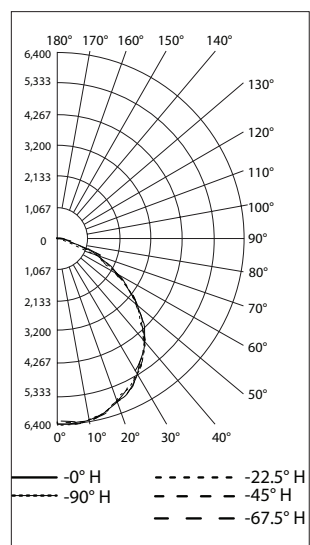


NEMA 7x7, Frosted Glass, 5000K CCT

REPORT NUMBER: AMLCL8CF6BU

Luminaire Lumens 16,503

POLAR CANDELA DISTRIBUTION

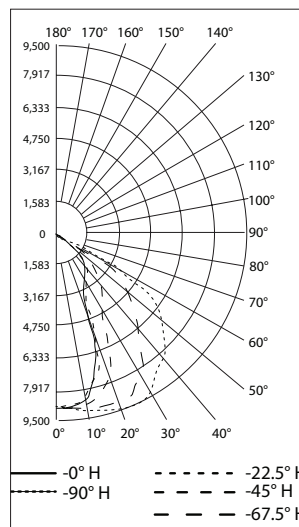


NEMA 7x6, Clear Glass, 3000K CCT

REPORT NUMBER: AMLCL8WG7BU

Luminaire Lumens 15,556

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Areamaster™ Connect LED Series Luminaires

Floodlight

Hazardous Locations

NEC/CEC: 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

ATEX/IECEX: Zone 2, 21, 22 | II 2D 3G 3D | IK08 | IP66

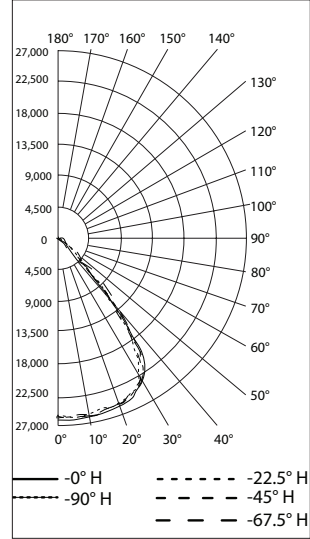
Markings: CE

Notable: 5G Vibration

Photometric Data — DATA SHOWN IS ABSOLUTE

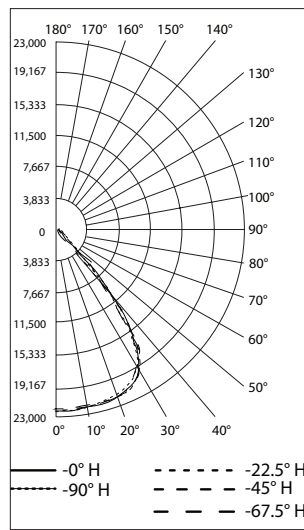
NEMA 5x5, Clear Glass, 5000K CCT
REPORT NUMBER: **AMLCL3CG5BU**
Luminaire Lumens 38,350

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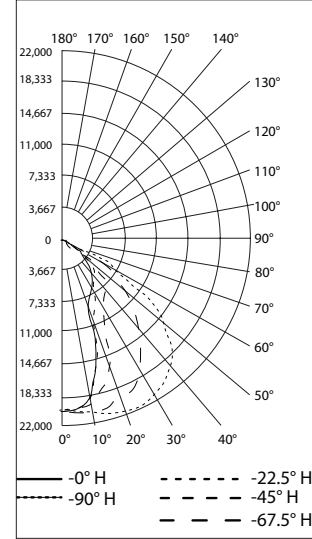
NEMA 5x5, Clear Glass, 3000K CCT
REPORT NUMBER: **AMLCL3WG5BU**
Luminaire Lumens 32,835

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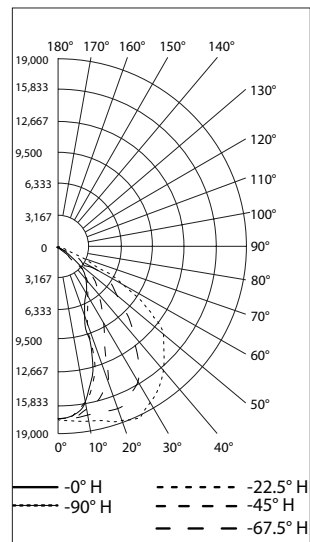
NEMA 7x6 Clear Glass, 5000K CCT
REPORT NUMBER: **AMLCL3CG7BU**
Luminaire Lumens 35,430

POLAR CANDELA DISTRIBUTION



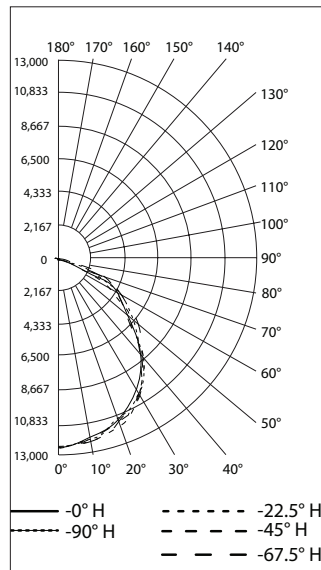
NEMA 7x6 Clear Glass, 3000K CCT
REPORT NUMBER: **AMLCL3WG7BU**
Luminaire Lumens 30,346

POLAR CANDELA DISTRIBUTION



NEMA 7x7 Diffused Glass, 5000K CCT
REPORT NUMBER: **AMLCL3CF6BU**
Luminaire Lumens 31,600

POLAR CANDELA DISTRIBUTION



NEMA 7x7 Clear Glass, 5000K CCT
REPORT NUMBER: **AMLCL3CG6BU**
Luminaire Lumens 37,039

POLAR CANDELA DISTRIBUTION

