Appleton®

AREAMASTER™ LED LUMINAIRE FOR HAZARDOUS LOCATIONS

BRIGHT, LONG-LASTING, ENERGY-EFFICIENT LED FIXTURES FOR HAZARDOUS FLOODLIGHT AND HIGH BAY APPLICATIONS

Save energy costs with the most efficient lighting technology available in the marketplace. Save maintenance costs with luminaires that run for 60,000 hours – four times as long as pulse start metal halide. Count on reliable operation in harsh weather, extreme temperatures and rugged conditions. Give your workers the bright, consistent light they need to be safe and productive on the job.

We have elevated hazardous LED lighting to a new level:
Appleton Areamaster™ LED Floodlight and High Bay Luminaires

Hazardous Flood and High Bay Lighting with All the Benefits of LED

Appleton understands the science and engineering that goes into designing a successful LED luminaire for rough and hazardous use. We have brought these same advantages to new heights in a single product that can serve as either flood or high bay lighting: the Areamaster™ LED Luminaires are designed for superior heat management, optimum driver-diode pairing and with rugged, corrosion resistant materials.

Features and Benefits:

- Energy efficient, virtually maintenance free lighting for pulp and paper mills, chemical plants, oil refineries, foundries, food processing plants, waste treatment facilities – anywhere that dust, water, dirt and rough usage are a problem
- Suitable for Class I, Division 2 hazardous locations, wet locations and marine environments
- Compact, contemporary design can be mounted as a floodlight or high bay fixture
- Easy to install and service, with one piece housing and one piece hinged lens/cover secured by four captive stainless steel bolts, modular quick connect
- Heavy duty, high temperature, single piece, formed silicone rubber gasket
- Cool operating temperatures for extended luminaire life – 60,000 hours

NEC/CEC Certifications and Compliances:

- UL Standard: UL 1598, UL 1598A, UL 8750, UL 844
- UL Listed: E10794
- CSA Standards: C22.2 No. 250.0, C22.2 No. 137
- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2 AEx nA IIC, Ex nA IIC
- Type 3R, 4, 4X
- IP66/67
- Marine Outside Type (Salt Water) – NEC only
- Wet Locations – NEC only

ATEX/IEC Certifications and Compliances (Gas):

— Conforming to ATEX 94/9/EC: Ex II 3 G
— ATEX Protection: Ex nA IIC
— T Rating: T4 (Ta < +40 ºC) (Ta < +104 ºF)
— Ambient Temperature: -25 ºC < Ta < 40 ºC (-13 ºF < Ta < 104 ºF)
— ATEX Certificate: DEMKO 12 ATEX 1225382
— Index of Protection: IP66
— CE Declaration of Conformity: 12-01
— Ex Standards: EN/IEC 60079-0 2009; 60079-15:2010
— Product Standards: EN/IEC 60598-1; 60598-2-22
— EMC Standards: EN/IEC 55015; 61547
— Other Standards: EN/IEC 60529; 1991/A1 2000 (IP)

Take Measure of the LED Difference

		AMLED67	AMLED77	AMLED87
Equivalent to HPS/PSMH		250 Watt	400 Watt	750 Watt
Voltage Range	BU1	120-277 Vac, 50/60 Hz	120-277 Vac, 50/60 Hz	120-277 Vac, 50/60 Hz
	BH	347-480 Vac, 50/60 Hz	347-480 Vac, 50/60 Hz	Not Available
	BC	Not Available	250 Vdc	Not Available
	BK1	120-277 Vac, 50/60 Hz	120-277 Vac, 50/60 Hz	120-277 Vac, 50/60 Hz
LED Lumen	Floodlight (45° Angle)	8260	13150	18850
	High Bay	8335	13200	18950
Input Power	120 Vac	86	125	174
	277 Vac	85	121	169
Efficacy (LPW)	Floodlight (45° Angle)	96	105	108
	High Bay	98	106	109
Ambient Temperature (NEC/CEC)		-40 °C (-40 °F) to +65 °C (+149 °F)	-40 °C (-40 °F) to +65 °C (+149 °F)	-40 °C (-40 °F) to +55 °C (+131 °F)
T Rating (NEC/CEC)		T3C @ +65 °C (+149 °F)	T3C @ +65 °C (+149 °F)	T3A @ +55 °C (+131 °F)
Correlated Color Temperature (CCT)		5650K	5650K	5700K
Color Rendering Index (CRI)		70	70	70
Fixture Weight		9.98 kg (22 lb)	9.98 kg (22 lb)	10.89 kg (24 lb)
Standard Materials		Housing: copperfree aluminum Finish: architectural bronze polyester Lens: thermal shock- and impact-resistant glass lens or diffused polyester		
Lifetime		60,000+ hours		