

Viamaster™ LED Series Luminaires

For ATEX and IECEx Governed Hazardous Locations

ATEX/IECEX:
Zones 2 and 22
Ⓢ II 3 GD
EPL Gc and Dc
Ex nA IIC; Ex tc IIIC
IP66/IK08

ATEX/IECEX:
Zone 21
Ⓢ II 2 D
EPL Db
Ex tb IIIC
IP66/IK08

Applications

- For use in locations where:
 - Flammable gases, vapors and dusts are present
 - A high degree of corrosion resistance is required
 - Protection against dirt, water and moisture is necessary
- Typical applications include:
 - Oil refineries
 - Petrochemical facilities
 - Pulp and paper mills
 - Food processing plants
 - Waste and sewer treatment
 - Underground tunnels
 - General manufacturing facilities



Features

- 60,000+ hour LED life for years of maintenance free operation.
- Lightweight design, hinged cover with captive screws, and terminal block wiring for easy installation and maintenance.
- Standard screw-type terminal block can accept 1 to 6 mm² wire.
- Contemporary, low profile design suitable for tight spaces.
- Field replaceable LED driver and lens.
- Industry-leading thermal management for safe, reliable operation over wide temperature range.
- Full range of lumen outputs, with light distribution equivalent to Appleton's FN Series fluorescent fixtures
- Easy to retrofit in same mounting footprint as Appleton's FE/FN Series fluorescent fixtures.
- M20 plug or M25 plug provided.
- Universal, high efficiency, drivers cover voltage requirements for 120-277 Vac, 50/60 Hz +/- 10%.
- Standard 2KV surge suppression.

Options

- Safety cable for fall safe retention; add suffix **-C** to the end of the catalog number.

Standard Materials

- Housing: copperfree (4/10 of 1% max.) aluminum
- Lens: thermal shock- and impact-resistant polycarbonate lens
- Gasket: silicone rubber, mechanically secured
- Bolts: stainless steel
- Close up plugs: nickel plated brass
 - Mounting hardware: See ordering information

Standard Finishes

- Housing: gray RAL 7038 epoxy

Related Products

- For NEC/CEC certified products, refer to Viamaster LED Series Luminaires for NEC and CEC Governed Hazardous Locations

ATEX/IECEX Certifications and Compliances

- Certification Type: LLEDA
 - Gas: Zone 2
 - Conforming to ATEX 94/9/EC: Ⓢ II 3 G
 - Protection Level: EPL Gc
 - Type of Protection: Ex nA IIC
 - Temperature Class: See *Technical Data table* (T6 to T3)
 - EC Declaration of Conformity: 50309
 - ATEX Certificate: LCIE 15 ATEX 1003X
 - IECEx Certificate: IECEx LCIE 15.0010X
 - Dust: Zones 21 and 22
 - Conforming to ATEX 94/9/EC: Ⓢ II 2 D and II 3 D
 - Protection Level: EPL Db and Dc
 - Type of Protection: Ex tb IIIC and Ex tc IIIC
 - Surface Temperature: See *Technical Data table* [+63 °C to +84 °C (+145 °F to +183 °F)]
 - EC Declaration of Conformity: 50309
 - ATEX Certificate, Zone 21: LCIE 15 ATEX 3006X
 - ATEX Certificate, Zone 22: LCIE 15 ATEX 1003X
 - IECEx Certificate, Zone 21 and 22: IECEx LCIE 15.0010X
- Ambient Temperature:
 - LLEDA2: -40 °C up to +65 °C (-40 °F up to +149 °F)
 - LLEDA5/7: -40 °C up to +60 °C (-40 °F up to +140 °F)
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK08
- Ex Standards: EN/IEC 60079-0; 60079-15; 60079-31
- Product Standards: EN/IEC 61347-1; EN/IEC 61347-2-13; 60598-1
- EMC Standards: EN/IEC 61000.4.2; 61000.4.3; 61000.4.4; 61000.4.5; 61000.4.6; 61000.4.8; 61000.4.11; EN/IEC 55015; 61547

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II 2 D
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Order using catalog numbering guides below or select catalog number from tables on following pages.

Catalog Numbering Guide – ATEX/IECEX Certified Linear LED

LLEDA	A	2	L	2	BU	Z2	C
 LLEDA - ATEX/IECEX Certified Linear LED Series	 Housing: A - Aluminum	 Size of Cable Entries: 2 - M20 3 - M25	 Termination/Wiring: L - Loop In/Out (3 entries, 1 at one end and 2 at the other) S - Standard (2 entries on the same side) T - Through Wired (2 entries, one at each end)	 Lumens [Length of Fixture]: 2 - 2K Lumens, [0.61 m (2 ft)] 5 - 5K Lumens, [0.61 m (2 ft)] 7 - 7K Lumens, [1.22 m (4 ft)]	 Voltage: BU - Universal Voltages 120-277 Vac, 50/60 Hz	 Hazardous Rating: Z2 - Zone 2 and 21-22	 Options: C - Safety Cables

Lamp Comparison Chart

Catalog Number	Line Current Amps	Input Power	Power Factor	THD	Lumens		Color Temp CCT	Length m (ft)
					Clear Polycarbonate	CRI		
LLEDAA2S2BUZ2								
LLEDAA3S2BUZ2								
LLEDAA2T2BUZ2	.24 @120V	22 W	> 0.95 >0.87	< 20%	2,200	70	5650K	0.61 (2)
LLEDAA3T2BUZ2	.15 @ 277V							
LLEDAA2L2BUZ2								
LLEDAA3L2BUZ2								
LLEDAA2S5BUZ2								
LLEDAA3S5BUZ2								
LLEDAA2T5BUZ2	.51@120V	45 W	> 0.95	< 20%	4,400	70	5650K	0.61 (2)
LLEDAA3T5BUZ2	.30 @ 277V							
LLEDAA2L5BUZ2								
LLEDAA3L5BUZ2								
LLEDAA2S7BUZ2								
LLEDAA3S7BUZ2								
LLEDAA2T7BUZ2	.90 @120V	81 W	> 0.95	< 20%	7,800	70	5650K	1.22 (4)
LLEDAA3T7BUZ2	.53 @ 277V							
LLEDAA2L7BUZ2								
LLEDAA3L7BUZ2								

Appleton

LED/AREA: NEC/CEC, ATEX/IECEX ENCLOSED AND GASKETED