



VIAMASTER™ LED LUMINAIRE FOR ATEX AND IECEx GOVERNED LOCATIONS

Bring LED simplicity and reliability to the entire plant. Compact and easy to install, Appleton® Linear LED luminaires fit the same footprint as a fluorescent fixture. They perform for at least 60,000 hours. And they deliver more lumens per watt compared to fluorescent tubes – year after year

- 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.
- Contemporary, low profile design suitable for tight spaces.
- Field replaceable components are available.
- Industry-leading thermal management for safe, reliable operation over wide temperature range.
- Optional safety cables prevents luminaire from falling.
- Terminal blocks provided for field wiring.
- Full range of lumen outputs, with light distribution equivalent to Appleton's FN Series.
- Easy to retrofit in same mounting footprint as Appleton's FN Series fluorescent fixtures.
- (1) M20 plug or (1) M25 plug provided.

SUITABLE LOCATIONS

- For use in hazardous locations defined by the ATEX/IECEx.
- For use in locations where a high degree of corrosion resistance is required.
- For indoor or outdoor use where protection against dirt, water and moisture is necessary
- Typical applications include:
 - Oil refineries
 - Petrochemical facilities
 - Pulp and paper mills
 - Food processing plants
 - Warehouses
 - Underground tunnels
 - General manufacturing facilities

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

STANDARD FINISHES

- Housing: gray polyester

ATEX/IECEx RATINGS

- Zones 2 and 22
 - Ⓜ II 3 GD
 - EPL Gc and Dc
 - Ex nA IIC; Ex tc IIIC
 - IP66
 - IK08
- Zone 21
 - Ⓜ II 2 D
 - EPL Db
 - Ex tb IIIC
 - IK08



ATEX/IECEx CERTIFICATIONS AND COMPLIANCES

- Certification Type: LLEDA
 - Gas: Zone 2
 - Conforming to ATEX 94/9/EC: Ⓢ II 3 G
 - Protection Level: EPL Gc
 - Ex Protection: Ex nA IIC
 - T Rating: 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
 - Ex Protection: Ex tb IIIC and Ex tc IIIC
 - T Rating: See Technical Data table
 - 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: -40 °C up to +65 °C (-40 °F up to +149 °F)
 - Index of Protection: IP66, IK08
 - Ex Standards: EN/IEC 60079-0; 60079-15; 60079-31
 - Product Standards: EN/IEC 61347-1; 61347-2; 61598-1
 - 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

APPLETON VALUE PROPOSITION

The Appleton brand stands for Trusted Protection.

Appleton offers a full line of electrical products for hazardous, industrial and commercial locations. A rigorous development process ensures that Appleton products are designed with the user in mind, solve real operational problems and meet the needs of the global marketplace. Appleton’s leading-edge engineering facilities include explosion, environmental, photometric, electric and mechanical labs that are staffed with teams of experienced engineers dedicated to developing the safest, most durable and dependable electrical products available anywhere in the world. Innovative, easy to install and maintain, easy to use, built to last – that’s Appleton, a brand of Emerson Industrial Automation.

Standard Catalog Numbers ①		LLEDA2L2BUZ2	LLEDA2L5BUZ2	LLEDA2L7BUZ2
Voltage Range	BU	120 – 277 Vac, 50/60 Hz	120 – 277 Vac, 50/60 Hz	120 – 277 Vac, 50/60 Hz
LED Lumens		2,200	4,400	7,800
Input Power (W)		22	45	81
Efficacy (LPW)		104	103	95
Ambient Temperature		-40 °C up to +65 °C (-40 °F up to +149 °F)	-40 °C up to +60 °C (-40 °F up to +140 °F)	-40 °C up to +60 °C (-40 °F up to +140 °F)
T-Rating		T5 @ +65 °C (+149 °F)	T3 @ +60 °C (+140 °F)	T3 @ +60 °C (+140 °F)
Correlated Color Temperature (CCT)		5650	5650	5650
Color Rendering Index (CRI)		70	70	70
Fixture Length		0.6 m (2 ft)	0.6 m (2 ft)	1.2 m (4 ft)
Fixture Weight		6.1 kg (13.7 lbs)	6.4 kg (14 lbs)	9 kg (19.15 lbs)
Standard Materials		Housing: copperfree aluminum Finish: gray polyester Lens: thermal shock- and impact-resistant polycarbonate lens		
Lifetime		60,000+ hours		

① M20 cable entries standard. For M25 cable entries change the 7th letter in the catalog number from 2 to 3; example: LLEDA3L2BUZ2. Standard termination/wiring provides 2 entries on the same side. For through wired (one entry at each end) change the 8th letter in the catalog number from L to T; example: LLEDA2T2BUZ2. For loop in/out wiring (one entry at one end and two at the other end) change the 8th letter in the catalog number from L to S; example: LLEDA2S2BUZ2. For optional safety chain, add the suffix C to the end of the catalog number; example: LLEDA2L2BUZ2C.

