



## VIAMASTER™ LED SERIES EMERGENCY BATTERY BACKUP LUMINAIRES

Appleton® Linear LED luminaires provide over 1,000 lumens of illumination for 90 minutes of emergency lighting. Compact and easy to install, they fit the same footprint as their fluorescent counterparts with all the benefits LED has to offer — year after year

- Provides up to 1250 lumens illumination for 90 minutes of emergency lighting.
- Functional diagnostic test self-initiates every 14 days after initial start up.
- Duration test is automatically performed once per year.
- Green and Red LED lamps indicate charging status and provide fault warning.
- Positive safety switch disconnects power to LEDs and LED driver to allow maintenance in hazardous locations.
- 60,000+ hour LED life, for years of maintenance free operation.
- Universal, high efficiency, driver covers voltage requirements for 120-277 Vac, 50/60 Hz +/- 10%.
- Standard 2KV surge suppression.
- Hinged cover with captive screws, and terminal block wiring for easy installation and maintenance.
- Standard screw-type terminal block can accept UL/CSA 26 to 10 AWG wire.
- Contemporary, low profile design suitable for tight spaces.
- Field replaceable LED driver, battery management module (BMM), battery pack, and lens.
- 5 Cell NiMH battery pack for longer emergency capability.
- Plug in connectors on battery pack for easy maintenance.
- Industry-leading thermal management for safe, reliable operation over a wide temperature range.
- Easy retrofit in same mounting footprint as Appleton's FV Series fluorescent fixtures.
- Full range of lumen outputs, with light distribution equivalent to Appleton's FV Series fluorescent fixtures.

- 2 opposing 3/4" NPT hubs with adjacent terminal blocks for thru wiring. (1) 3/4" NPT close up plug provided.

### SUITABLE LOCATIONS

- 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

### 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 informations

### STANDARD FINISHES

- Housing/Reflector: gray polyester

### NEC/CEC RATINGS

- Class I, Division 2, Groups A, B, C, D
- Class I, Zone 2, Group IIC
- Class II, Division 2, Groups F, G
- Class III
- Zone 22, Group IIIB
- Type 3R, 4, 4X
- Marine Outside Type- For USA Only ⌘
- IP66/67
- Suitable for Use in Wet Locations

### NEC/CEC CERTIFICATIONS AND COMPLIANCES

- UL Standard: UL 1598, UL 8750, UL 844
- cULus Certified: E165014
- Ambient Temperature:
  - 120-277 Volts:
    - 20 °C up to +55 °C
    - (-4 °F up to +131 °F)

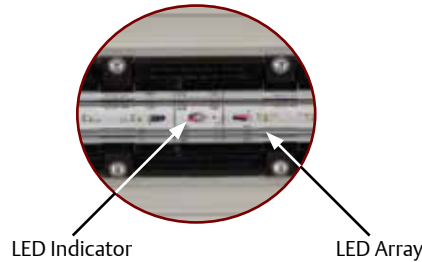
⌘ Fusing option not available with Marine Outside Type (Salt Water) rating. Fusing option not permitted for cUL.



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Automatic Testing System (ATS)	
Functional	Full Duration
Starts within 24 to 45 hours after the initial powerup of the module	Starts within 14 to 35 days after the initial power of the module
Occurs every 14 days after the initial aforementioned functional test	Occurs every 364 days after the initial aforementioned functional test
Lasts for 5 minutes	Lasts for the full duration of the rated emergency period
At the completion of functional and full duration tests, LED indicator will display the status of the emergency luminaire when AC is present	



Standard Catalog Numbers ①		LLEDA12LU2H	LLEDA15LU2H	LLEDA17LU2H
Voltage Range	LU	120 – 277 Vac, 50/60 Hz		
LED Lumens Standard Operation	Clear	2,200	4,400	7,800
	Diffused	1,800	3,800	6,400
LED Lumens Emergency Operation	Clear	1,250		
	Diffused	1,000		
Input Power (W)		24	45	83
Efficacy (LPW)		92	98	94
Ambient Temperature		-20 °C up to +55 °C (-4 °F up to +131 °F)		
T-Rating		T3C @ +65 °C (+149 °F)	T4 @ +65 °C (+149 °F)	
Correlated Color Temperature (CCT)		5650		
Color Rendering Index (CRI)		70		
Fixture Length		.843 m (33.2 in)	.843 m (33.2 in)	1.2 m (47.2 in)
Fixture Weight		8.75 kg (19.3 lbs)	8.89 kg (19.6 lbs)	9.07 kg (20.0 lbs)
Standard Materials		Housing: copperfree aluminum Finish: gray polyester Lens: thermal shock- and impact-resistant polycarbonate lens		
Lifetime		60,000+ hours		

① For optional safety cable, add the suffix C to the end of the catalog number; example: LLEDA12LU2C.  
For optional fuse, add the suffix F to the end of the catalog number; example: LLEDA12LU2F