Viamaster™ LED Series Emergency Battery Backup Luminaires
For NEC and CEC Hazardous Locations

NEC/CEC:
  Class I, Division 2, Groups A, B, C, D
  Class I, Zone 2, Group IIC
  Class II, Division 2, Groups F, G
  Class III
  Type 3R, 4, 4X

NEC/CEC:
  Marine Outside Type- For USA Only ⌘
  IP66/67

Applications

- For use in locations where:
  — Flammable gases, vapors and dusts are present
  — A high degree of corrosion resistance is require
  — 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

- Provides up to 1250 lumens illumination for 90 minutes of emergency lighting with clear lens.
- 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 between LEDs and battery management module 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 luminaires.
- Full range of lumen outputs, with light distribution equivalent to Appleton's FV Series fluorescent luminaires.
- 2 opposing 3/4" NPT hubs with adjacent terminal blocks for thru wiring. (1) 3/4" NPT close up plug provided.

Options

- Safety cable for fall safe retention; add suffix **-C** to the end of the catalog number.
- Diffused lens is available;
  — Add suffix **-D** to the catalog number.
    Example: *LLEDA12LU2DH*
- Fusing is available;
  — Add suffix **-F** to the catalog number. ⌘
    Example: *LLEDA12LU2FH*

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/Reflector: gray polyester

Related Products

- For specifications on non-emergency operation, refer to Viamaster LED Series Luminaires for NEC and CEC Hazardous Locations.

NEC/CEC Certifications and Compliances

- UL Standard: UL 1598, UL 8750, UL 844, UL 924
- CSA Standards: C22.2 No. 250.0, C22.2 No. 250.13, C22.2 No. 137
- 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.*

LED /AREA: NEC/CEC EMERGENCY

Appleton®

EMERSON

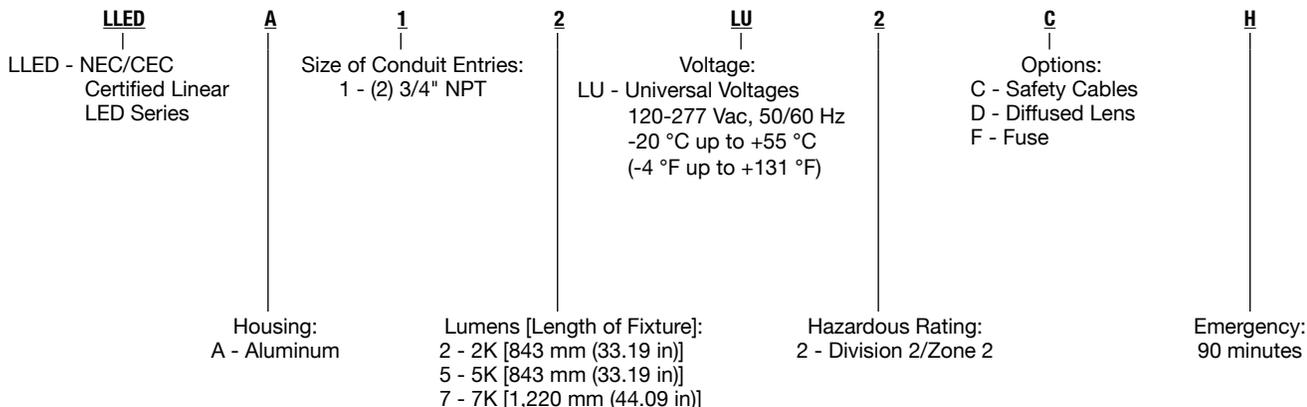# Viamaster™ LED Series Emergency Battery Backup Luminaires
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Type 3R, 4, 4X

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

Catalog Numbering Guide — NEC/CEC Certified Linear LED

LLED   **A**   **1**   **2**   **LU**   **2**   **C**   **H**

LLED - NEC/CEC
   Certified Linear
   LED Series

Size of Conduit Entries:
1 - (2) 3/4" NPT

Voltage:
LU - Universal Voltages
   120-277 Vac, 50/60 Hz
   -20 °C up to +55 °C
   (-4 °F up to +131 °F)

Options:
C - Safety Cables
D - Diffused Lens
F - Fuse

Housing:
A - Aluminum

Lumens [Length of Fixture]:
2 - 2K [843 mm (33.19 in)]
5 - 5K [843 mm (33.19 in)]
7 - 7K [1,220 mm (44.09 in)]

Hazardous Rating:
2 - Division 2/Zone 2

Emergency:
90 minutes

Conduit/Cable Entries	Voltage	Weight kg (lb)	Catalog Numbers ①	
			Clear Polycarbonate	**Diffused Polycarbonate**
2,200 Lumens — 0.843 m (3 ft)				
3/4" NPT (2)	120-277 Vac, 50/60 Hz	8.75 (19.30)	**LLEDA12LU2H**	**LLEDA12LU2DH**
4,600 Lumens — 0.843 m (3 ft)				
3/4" NPT (2)	120-277 Vac, 50/60 Hz	8.89 (19.60)	**LLEDA15LU2H**	**LLEDA15LU2DH**
7,800 Lumens — 1.22 m (4 ft)				
3/4" NPT (2)	120-277 Vac, 50/60 Hz	9.07 (20.00)	**LLEDA17LU2H**	**LLEDA17LU2DH**

① *For optional safety cables, add suffix -C to the end of the catalog number. For optional fuse, add suffix -F to the catalog number.*
   Example: LLEDA12LU2CDFH.
⌘ *Fusing option not available with Marine Outside Type (Salt Water) rating. Fusing option not permitted for cUL.*

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