

# ATX™ LINMASTER™ LED ZONE 1 SERIES NONMETALLIC LUMINAIRES

## STANDARD OR WITH EMERGENCY BATTERY BACKUP — INCREASED SAFETY

### FEATURES

- Available in 5000K, 4000K, 3000K and 2200K Color Temperatures.
- Luminaire with optional green color LEDs is available.
- Easy to retrofit in same mounting footprint as the Appleton FE Series nonmetallic fluorescent luminaires and FELED Series nonmetallic LED luminaires, and nonmetallic fluorescent luminaires from different manufacturers.
- Full range of lumen outputs, with light distribution equivalent to the Appleton FE Series fluorescent luminaires and FELED Series nonmetallic LED luminaires.
- 0-10V dimming capable.
- To prevent deep discharge of the batteries, emergency luminaires can be ordered and shipped without batteries, then batteries can be ordered and shipped separately prior to installation in the field when needed.
- Corrosion-resistant fiberglass reinforced polyester body and hinged polycarbonate dome cover.
- Retention point integrated in the luminaire's housing for safety cable installation.
- High impact resistance housing (20 Joules – IK10) from -40 °C to +65 °C (-40 °F to +149 °F) ambient temperature and wind profile for use in extreme offshore and onshore environments.
- Reported L70:

+25 °C (+77 °F)	Reported	>102,000
	Calculated	>400,000
+55 °C (+131 °F)	Reported	>102,000
	Calculated	>264,000
- Lightweight design, hinged cover with central lock system, and terminal block wiring for easy installation and maintenance.
- Contemporary, low profile design suitable for tight spaces.

- Standard screw-type terminal block can accept 4 mm<sup>2</sup>/6 mm<sup>2</sup> (flexible/rigid) wire.
- Field replaceable LED driver.
- Industry-leading thermal management for safe, reliable operation over wide temperature range.
- Universal, high efficiency drivers in standard luminaire models, cover voltage requirements for 100 to 277 Vac, 50/60 Hz for standard models. Optional DC voltages: 125-300 Vdc or 24-48 Vdc.
- Universal, high efficiency BMM in emergency luminaire models covers voltage requirements for 120 to 277 Vac, 50/60 Hz Vdc are available with the standard luminaire models.
- High power factor electronic driver (>0.95).
- Standard 6 kV surge suppression for Standard models and 4kV for emergency models.
- Appleton emergency exit labels can safely be secured on the polycarbonate dome cover.
- M20 plug or M25 plug provided.
- Latch assembly and elastomer gasket seals against water and dust ingress.
- Easily accessed for maintenance using Allen key or straight blade screwdriver.
- Central opening with unique patented release system to prevent damage.
- Can be horizontally or vertically mounted.
- Available in 1.5 H or 3 H emergency version, including built-in monthly self-test. Test results through multi-colored LED.
- Optional positive safety switch disconnects power to LED's and driver to allow maintenance in hazardous locations.

### WARRANTY

- 10 year standard warranty.

### TYPICAL APPLICATIONS

- Oil refineries
- Petrochemical facilities
- Food processing plants
- Waste and water treatment plants
- Underground tunnels



LELED3 and LELED4



LELED5, LELED6, and LELED7

- General manufacturing facilities
- Hydrogen and Biofuels plants
- LNG (Liquid Natural Gas) plants
- For use in locations where:
  - Hazardous areas are designated as Zone 1 and 2 – 21 and 22
  - A high degree of corrosion resistance is required
  - Protection against dirt, water and moisture is necessary

### LUMINAIRE MATERIALS

- Housing: fiberglass reinforced polyester
- Dome cover: polycarbonate
- Gasket: elastomer
- Mounting accessories available in different materials such as gray painted aluminum, zinc plated steel, galvanized steel or 316 stainless steel

### ATEX/IECEx LISTINGS ①

- Zone 1 and 2 - 21 and 22 | Ⓢ II 2 GD | IP66 | IK10

### RELATED PRODUCTS

- Linmaster LED Zone 2

### PRODUCT SPECIFICATIONS

Series Lumen Output	LELED3	LELED4	LELED5	LELED6	LELED7
Input Power (W, @230 V)	26	30	42	51	57
Equivalencies (W, Fluorescent)	3x18W	2x36W	3x36W	2x58W	3x58W
Nominal Lumens ①	3219	3710	5398	6097	6961
Efficacy (up to, lm/W) ①	124	124	129	120	122
Color Temperature (CCT) (K)	5000 / 4000 / 3000 / 2200				
Color Rendering Index (CRI)	≥80 CRI				
Voltage	100-277 Vac, 50/60 Hz; 125-300 Vdc; 24-48 Vdc as an option				
Surge Protection	6 kV Standard   4 kV Emergency				
L70 Lifetime (hrs, reported)	> 102,000 hours at +25 °C (+77 °F)				
Ambient Temperature ②	-40 °C to +60 °C or +65 °C (-40 °F to +140 °F or +149 °F)				
Temperature Code ②	T4, T5, or T6				
Fixture Weight - kg (lbs)	5 (11)	5 (11)	7.6 (16.7)	7.6 (16.7)	7.6 (16.7)
Replaceable Parts	Drivers, Replacement Covers, Battery Pack, and Fuse Assembly				

① Based on 5000K CCT, with diffused cover. Refer to catalog pages for detailed performance.

② Refer to catalog pages for detailed temperature tables/operating temperature based on lumen output/certification.

**APPLETON™**

For product information:  
www.masteringled.com  
1.800.621.1506



**EMERSON™**

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## STANDARD OR WITH EMERGENCY BATTERY BACKUP — INCREASED SAFETY

<b>Project Information</b>	<b>Specifications</b>
Part Number: _____ Date: _____	_____
Project: _____	_____
Fixture Type: _____	_____

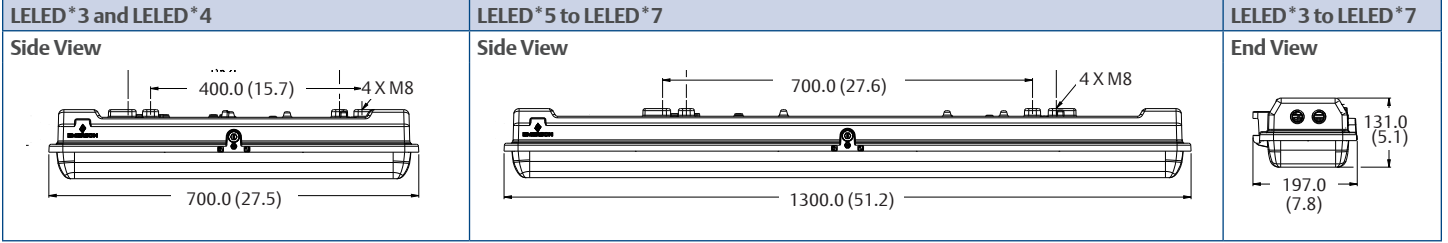
### CATALOG NUMBERING GUIDE

Series Prefix	Lumen Output	Color Temperature	Voltage	Mounting Version	Cable Entry	Optic	Emergency	Battery Pack	Cutoff Switch
LELED			BU						

<b>SERIES PREFIX:</b> <b>LELED</b> Zone 1, 2, 21, 22 ATEX/IECEX <b>LUMEN OUTPUT: ①</b> <b>3</b> 3K <b>4</b> 4K <b>5</b> 5K <b>6</b> 6K <b>7</b> 7K <b>COLOR TEMPERATURE:</b> <b>C</b> 5000K (Cool) <b>N</b> 4000K (Neutral) <b>W</b> 3000K (Warm) <b>H</b> 2200K <b>V</b> Green (Safety Showers)	<b>VOLTAGE:</b> <b>BU</b> 120-277 Vac, 50/60 Hz; 125-300 Vdc <b>B2</b> 24-48 Vdc ② <b>MOUNTING VERSION:</b> <b>S</b> Surface/Suspension Mount Standard Wiring (single phase) <b>L</b> Surface/Suspension Mount Dual Loop In/Out Through Wiring (single phase)	<b>CABLE ENTRY:</b> <b>A</b> Armored M20 ③ <b>U</b> Unarmored M20 ④ <b>N</b> Unarmored M25 ④ <b>R</b> Armored M25 ③ <b>OPTIC:</b> <b>Blank</b> Clear <b>D</b> Diffused <b>EMERGENCY:</b> <b>Blank</b> No Emergency <b>R</b> 90 minutes (non-maintained) <b>H</b> 90 minutes (maintained) <b>E</b> 180 minutes (maintained)	<b>BATTERY PACK:</b> <b>Blank</b> Emergency Luminaire with Battery Pack <b>W</b> Emergency Luminaire without Battery Pack <b>CUTOFF SWITCH:</b> <b>Blank</b> No Switch <b>F</b> Cutoff Switch ⑤
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① All lumen values are typical (tolerance +/- 10%).  
 ② DC voltages can only be used with IECEx certified standard luminaires. Not available with ATEX certification.  
 ③ Must order armored cable glands separately.  
 ④ Cable glands provided in luminaires with unarmored hub entries.  
 ⑤ Select to have cutoff switch with standard or emergency model.

### DIMENSIONAL DRAWINGS | MILLIMETERS (INCHES)



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