

ATX™ LINMASTER™ LED ZONE 2 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 FN Series nonmetallic fluorescent luminaires and FNLED Series nonmetallic LED luminaires, and nonmetallic fluorescent luminaires from different manufacturers.
- Full range of lumen outputs, with light distribution equivalent to the Appleton FN Series fluorescent luminaires and FNLED 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 mm²/6 mm² (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.
- 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
- General manufacturing facilities
- Hydrogen and Biofuels plants
- LNG (Liquid Natural Gas) plants



LNLED3 and LNLED4



LNLED5, LNLED6, and LNLED7

- For use in locations where:
 - Hazardous areas are designated as Zone 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 2 - 21 and 22 | Ⓜ II 3 GD, 2D | IP66 | IK10

RELATED PRODUCTS

- Linmaster LED Zone 1

PRODUCT SPECIFICATIONS

Series Lumen Output	LNLED3	LNLED4	LNLED5	LNLED6	LNLED7
Input Power (W, @230 V)	26	30	42	51	57
Equivalencies (W, Fluorescent)	3x18W	2x36W	3x36W	2x58W	3x58W
Nominal Lumens ①	3461	3990	5809	6561	7490
Efficacy (up to, lm/W) ①	133	133	138	129	131
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 Lens, 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™

ATX™ LINMASTER™ LED ZONE 2 SERIES NONMETALLIC LUMINAIRES

STANDARD OR WITH EMERGENCY BATTERY BACKUP — INCREASED SAFETY

Project Information	Specifications
Part Number: _____ Date: _____	_____
Project: _____	_____
Fixture Type: _____	_____

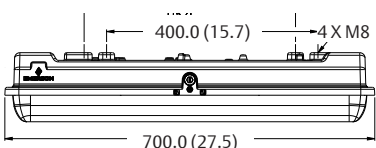
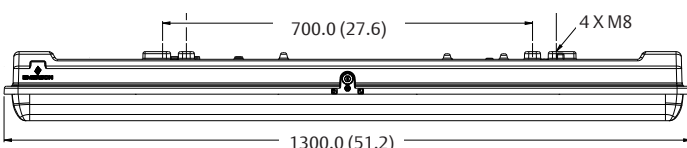
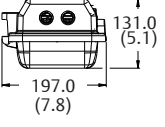
CATALOG NUMBERING GUIDE

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

SERIES PREFIX: LNLED Zone 2, 21, 22 ATEX/IECEX	VOLTAGE: BU 120-277 Vac, 50/60 Hz; 125-300 Vdc B2 24-48 Vdc ② MOUNTING VERSION: S Surface/Suspension Mount Standard Wiring (single phase) L Surface/Suspension Mount Dual Loop In/Out Through Wiring (single phase)	CABLE ENTRY: A Armored M20 ③ U Unarmored M20 ④ N Unarmored M25 ④ R Armored M25 ③ OPTIC: Blank Clear D Diffused EMERGENCY: Blank No Emergency R 90 minutes (non-maintained) H 90 minutes (maintained) E 180 minutes (maintained)	BATTERY PACK: Blank Emergency Luminaire with Battery Pack W Emergency Luminaire without Battery Pack CUTOFF SWITCH: Blank No Switch F Cutoff Switch ⑤
LUMEN OUTPUT: ① 3 3K 4 4K 5 5K 6 6K 7 7K	COLOR TEMPERATURE: C 5000K (Cool) N 4000K (Neutral) W 3000K (Warm) H 2200K V Green (Safety Showers)		

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)

LNLED*3 and LNLED*4 Side View 	LNLED*5 to LNLED*7 Side View 	LNLED*3 to LNLED*7 End View 
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