



Type No. \_\_\_\_\_

Job Name \_\_\_\_\_

Catalog No. \_\_\_\_\_



Shown: LADNURAOT



# LAD Series

- **Die Cast Aluminum Housing**
- **Energy-Saving LEDs**
- **Nickel Cadmium Battery**
- **Self-Testing Diagnostics (Optional)**

## Housing

- Frame, backplate, faces and canopy are constructed of durable die cast aluminum
- Choose from black frame with brushed aluminum stencil face, black frame with black stencil face, or white frame with white stencil face
- Stencil faces include field-selectable chevrons
- Universal knockouts located on the backplate allow for wall mounting directly to standard junction boxes

## Battery

- Maintenance free, sealed nickel cadmium battery has an expected life up to 10 years
- Supplies a minimum of 90 minutes of power in the emergency mode

## Illumination

- Normal and emergency illumination is accomplished with long lasting, high output Light Emitting Diodes (LEDs)
- Hot spots and striations are eliminated by the internal "light chamber" especially designed around the high performance LED array

## Warranty

- 5 years full

## Application

- Ideal for commercial locations where an attractive, highly reliable and easily installed exit sign with low power consumption is desired

## Electronics

- 120/277 VAC, 60 Hz dual voltage input
- Solid state circuitry is surge-protected and provides for a reliable charging system
- Includes low voltage disconnect (LVD), AC Lockout, brownout protection and instantaneous transfer

## Electrical Specifications

### AC Only

- Red = 0.026 A (120 VAC), 0.012 A (277 VAC)
- Green = 0.026 A (120 VAC), 0.012 A (277 VAC)

### Self-Powered

- Red = 0.033 A (120 VAC), 0.017 A (277 VAC)
- Green = 0.033 A (120 VAC), 0.017 A (277 VAC)

## Self Diagnostics (Optional)

- Diagnostics routine is activated upon the presence of AC power to ensure proper installation and initialization
- Continuous monitoring of the systems critical components include: battery disconnect/failure, charger failure, LED failure, AC line voltage monitoring and transfer circuit failure
- Fault/service monitoring is accomplished via a dual color LED on the outside of the unit so there is no need to open the fixture if trouble shooting is needed
- Automatic self-test for 1 minute every 30 days and 90 minutes annually

## Code Compliance

- UL 924 listed
- NFPA 101, NEC, BOCA, OSHA, and IBC illumination standards

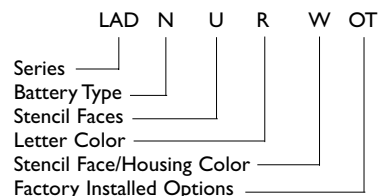
## Ordering Information

LAD		U				
SERIES	BATTERY TYPE	STENCIL FACES	LETTER COLOR	FACE/HOUSING COLOR	OPTIONS	ACCESSORIES (Ordered Separately)
<b>LAD</b> - Classic Die Cast Exit	<b>Blank</b> = AC Only <b>N</b> = Nickel Cadmium	<b>U</b> = Universal Two Faces, Backplate and Canopy	<b>R</b> = Red <b>G</b> = Green	<b>A</b> = Natural Brushed Aluminum Stencil Face/Black Housing <b>B</b> = Black Stencil Face and Housing <b>W</b> = White Stencil Face and Housing	<b>OT</b> = Self-Testing Diagnostics <sup>1</sup>	<b>PKIT12B</b> * = Pendant Kit, 12" Stem, Black <b>PKIT12W</b> * = Pendant Kit, 12" Stem, White <b>PVS</b> = Polycarbonate Vandal Shield

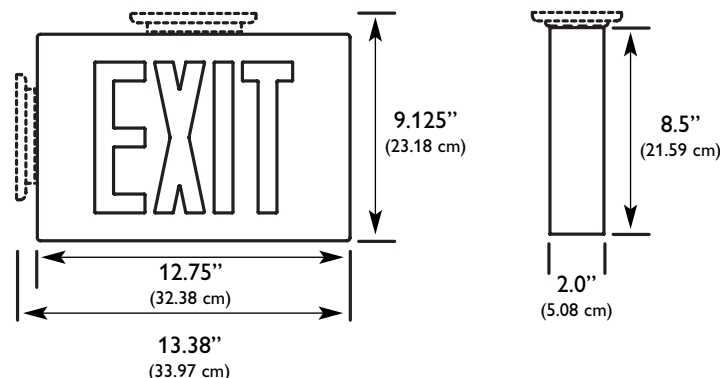
Note: 1) OT available on Nickel Cadmium models only and only as universal

\* Custom pendant lengths and colors available, consult factory.

## Ordering Example



## Dimensions



Dimensions are approximate and subject to change.

## Suggested Specification

Furnish and install LightGuard exit sign model \_\_\_\_\_. The exit shall be listed to Underwriter's Laboratories, Inc. Standard 924 and shall meet the standards of the National Electrical Code (NEC).

**INSTALLATION AND OPERATION** - Exit shall be easily field connected to a 120 or 277 VAC, 60 Hz, unswitched power source. Installation must comply with the NEC as well as other applicable codes. (Self-Powered Only) - Upon utility power failure or brownout, the unit shall automatically transfer to battery power and maintain the required illumination level for a minimum period of 90 minutes. Upon restoration of utility power, the charger shall restore the battery to full charge within UL 924 requirements following a rated discharge of 90 minutes minimum.

**CHARGER (Self-Powered Only)** - Product shall utilize a constant current charging system which will maintain the battery at full capacity without the need for periodic exercising or equalization. The following features shall be standard: low voltage disconnect (LVD), brownout protection and AC lockout. Five year warranty provided.

**SELF TESTING DIAGNOSTICS (Optional)** - The LAD Series shall have self-testing diagnostics as an option. The self-testing routine shall initialize a 1 minute test every 30 days, 30 minutes on the sixth month and 90 minutes annually. Bi-color LED lamps will indicate the status of the LED, battery and charger and provide visual alarms if a fault is detected.

**BATTERY (Self-Powered Only)** - The battery shall be maintenance-free, sealed nickel cadmium utilizing sintered plate construction and polypropylene separators for trouble-free operation. Nickel cadmium batteries are supplied with a five year warranty.

**ILLUMINATION** - The LAD Series indirect view LED exit signs shall incorporate high intensity LEDs. The LEDs shall be designed so that the unlikely outage of one LED will not affect the integrity of the total sign in the normal emergency mode. The AC Only version equipped with red LEDs shall consume 0.026 A (120 VAC) or 0.012 A (277 VAC). The AC Only version equipped with green LEDs shall consume 0.026 A (120 VAC) or 0.012 A (277 VAC). The Self-Powered version equipped with red LEDs shall consume 0.033 A (120 VAC) or 0.017 A (277 VAC). The Self-Powered version equipped with green LEDs shall consume 0.033 A (120 VAC) or 0.017 A (277 VAC).

**HOUSING** - The exit sign housing shall be constructed of heavy duty die cast aluminum. The final housing finish shall be an epoxy-based powder coat paint. The exit stencil shall be constructed of the same aluminum alloy and will be completed with a brushed finish or matching paint. Chevron direction shall be field selectable, and if left in place will not disturb the visual line of the exit face.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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