

Type No. _____
Job Name _____
Catalog No. _____



Shown: **E700WEAR**



E700 Series

- **Institutional Duty or Low Level LED Exits**
- **Semi-Recessed Exits**
- **Vandal Resistant**

Housing

- White or black extruded aluminum frame
- Low profile 1 1/4" beveled edge design
- White, black or brushed aluminum stencil with polycarbonate vandal resistant lens.
- 20 gauge steel backbox contains electronics and batteries for emergency operation
- No backbox is required for non-emergency models
- Field selectable chevrons

Battery

- Maintenance free, sealed nickel cadmium battery has an expected life up to 10 years with an operating range of 20°F (-7°C) to 95°F (35°C)*
- Nickel cadmium batteries are ideal for high ambient temperature areas

* Increases or decreases in temperature will affect battery performance and/or capacity. Optimum battery performance realized at 77°F (25°C).

Electronics

- 120/277 VAC selectable input
- Choice of red or green LEDs
- Constant current, solid-state charger on the Self-Powered version
- Surge protected
- LEDs are driven well below their current ratings
- Self-Powered versions include low voltage disconnect (LVD), AV lockout installation, and brownout protection features

Electrical Specifications

AC Only

Red = 0.012A (120 VAC), 0.005A (277 VAC)
Green = 0.012A (120 VAC), 0.005A (277 VAC)

Self-Powered

Red = 0.059A (120 VAC), 0.014A (277 VAC)
Green = 0.059A (120 VAC), 0.014A (277 VAC)

Code Compliance

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

Application

- Ideal for high traffic, abusive areas such as schools, hospitals and public buildings
- Can be specified as a remote option where low level exit is powered by an exit over the door.
- See product series Unison I and DX for use as the "LL" Low Level option*

* When used as "LL" remote option with Unison I or DX Series exits, a 15' low voltage cable is provided for connection with master unit above door.

Warranty

Electronics: 3 years
Battery: 5 years full, 5 years pro-rata

Ordering Information

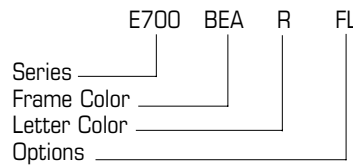
SERIES/BATTERY	FRAME COLOR	STENCIL/LETTER COLOR	FACTORY INSTALLED OPTIONS ¹
E700 = E700 Series Indirect View LED, AC Only ² EPN700 = E700 Series Indirect View LED, Nickel Cadmium Battery	BEA = Black WEA = White	R = Brushed Aluminum w/ Red Letters G = Brushed Aluminum w/ Green Letters WR = White w/ Red Letters WG = White w/ Green Letters BR = Black w/ Red Letters BG = Black w/ Green Letters	2CKT1 = 120 VAC Two Circuit 2CKT2 = 277 VAC Two Circuit BF = Buzzer/Flasher (Emergency Only) BZ = Buzzer (Emergency Only) EX = Special Input Transformer (specify voltage and frequency) FA = 24 VDC Fire Alarm Interface FL = Emergency Flasher TP = Tamperproof

NOTES:

- 1) Some option configurations may impact UL listing. Consult factory for specifics.
 2) AC only version can be flush mounted to wall surface.

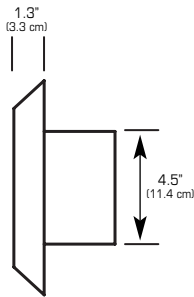
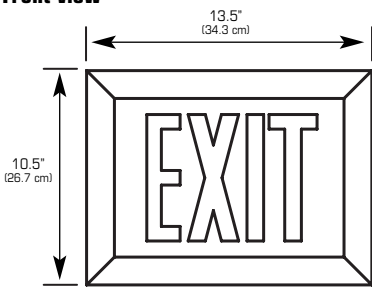
ACCESSORIES (Ordered Separately)
T15TPTOOL = Tamperproof Screwdriver

Ordering Example

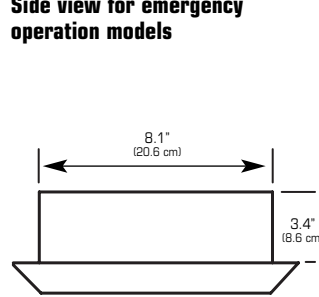


Dimensions

Front view



Side view for emergency operation models



Dimensions are approximate and subject to change.

Suggested Specification

Furnish and install LightGuard LED 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 hertz, 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 not more than 90 minutes.

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.

BATTERY (Self-Powered Only) - The battery shall be maintenance free, sealed nickel cadmium.

ILLUMINATION - The semi-recessed 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. LEDs shall have a rated life of 25+ years. The AC Only version with red LEDs shall consume 0.012A (120 VAC) or 0.005A (277 VAC). The AC Only version with green LEDs shall consume 0.012A (120 VAC) or 0.005A (277 VAC). The Self-Powered version with red LEDs shall consume 0.059A (120 VAC) or 0.014A (277 VAC). The Self-Powered version with green LEDs shall consume 0.059A (120 VAC) or 0.014A (277 VAC).

ENCLOSURE - The exit shall be constructed of heavy gauge extruded aluminum with beveled edge design and a vandal resistant polycarbonate lens. The 20 gauge steel backbox shall contain electronics, and shall be easily installed into any standard commercial wall system.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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