

Type No. \_\_\_\_\_  
Job Name \_\_\_\_\_  
Catalog No. \_\_\_\_\_



Shown: E110WSR



Shown: E11H30WSR2

# E100 II Series

## Heavy Duty Steel Exit Signs

- LED Illumination
- Maintenance Free, Sealed Nickel Cadmium or Lead Calcium Battery

### Electronics

#### AC Only

- 120/277 VAC dual voltage input
- LEDs are driven well below their current rating
- Nickel cadmium units utilize a solid state constant current charger

#### Self-Powered and Combination Unit

- 120/277 VAC dual voltage input
- Includes brownout protection, AC lockout installation low voltage disconnect (LVD), and AC indicator lamp and test switch features
- Lead calcium units utilize a solid state, fully automatic voltage regulated current charger

### Housing

- Ceiling, end and surface mounting
- Universal stencil with field selectable chevrons
- Red or green lettering
- 20 gauge steel white or black enamel cabinet
- Special wording available on Self-Powered and Combination versions
- New York City approved versions (consult factory)

### Battery

- Maintenance free, sealed nickel cadmium battery
- Maintenance free, sealed lead calcium battery is available on the Combination Emergency Exit and has an expected service life of 5 years
- Nickel cadmium battery has an expected service life of 10 years, and is recommended for use in high ambient temperature areas

### Application

- Ideal for industrial and commercial locations where a highly reliable exit sign is desired

### Warranty

Electronics: 3 years

Battery: 1 year full, 4 years pro-rata (lead calcium)

5 years full, 5 years pro-rata (nickel cadmium)

### Electrical Specifications

#### AC Only

- Red = 0.046A (120 VAC), 0.020A (277 VAC)
- Green = 0.033A (120 VAC), 0.014A (277 VAC)

#### Self-Powered

- Red = 0.090A (120 VAC), 0.039A (277 VAC)
- Green = 0.090A (120 VAC), 0.039A (277 VAC)

#### Combination Unit

- Red = 0.090A (120 VAC), 0.039A (277 VAC)
- Green = 0.090A (120 VAC), 0.039A (277 VAC)

### Code Compliance

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

### Self Diagnostics

- OmniTest Self-Diagnostics includes automatic and manual tests to ensure unit is operating properly, and assists user in meeting code requirements
- Verifies battery voltage and lamp continuity every 10 seconds
- Illuminates lamps and discharges battery for 3 minutes every 30 days. A manual test is available from 1 to 90 minutes.

**Note:** Units specified with OmniTest Self-Diagnostics are limited to ceiling canopy mount only.

# E100 II Series LED Exits

## Ordering Information

E1	L							
SERIES	LAMP TYPE	OPERATION	FRAME COLOR	# OF FACES	LETTER COLOR	# OF MOUNTED HEADS*	MOUNTING CONFIGURATION	OPTIONS <sup>1</sup>
E1	L = LED	0 = AC Only, 120/277 VAC 3 = AC/Emergency, Nickel Cadmium, 120/277 VAC	W = White B = Black	S = Single D = Double	R = Red G = Green	N/A	C = Canopy (standard with OmniTest version) U = Universal (includes canopy and extra stencil)	<b>2CKT1</b> = 120 VAC Two Circuit <sup>2</sup> <b>2CKT2</b> = 277 VAC Two Circuit <sup>2</sup> <b>BF</b> = Buzzer/Flasher (Emergency Units Only) <sup>2</sup> <b>BZ</b> = Buzzer (Emergency Units Only) <sup>2</sup> <b>EK</b> = Special Input Transformer (specify voltage and frequency) <b>F</b> = 24 VDC Fire Alarm Interface <sup>2</sup> <b>FL</b> = Emergency Flasher <sup>2</sup> <b>OT</b> = OmniTest Self Diagnostics <sup>4</sup> <b>SW</b> = Special Wording (Consult factory) <b>TP</b> = Tamperproof <sup>3</sup>
		<b>Combo Units, 120/277 VAC</b> <b>H12</b> = Lead Calcium, 12W <b>H30</b> = Lead Calcium, 30W				<b>Combo Units</b> <b>0</b> = None <b>1</b> = One <b>2</b> = Two		

\* Standard lamp head is J66.  
Consult factory for alternate heads.

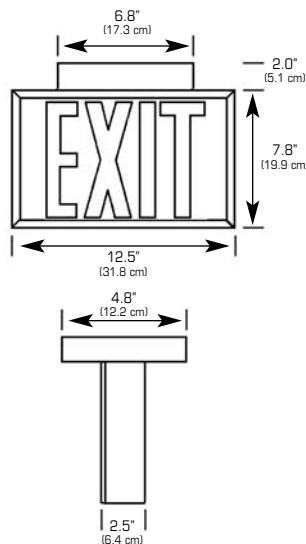
### NOTES:

- Some option combinations may impact UL listing. Consult factory for specifics.
- Not available with OT option.
- Requires T15TPTOOL. Ordered separately.
- Must be ceiling canopy mounted

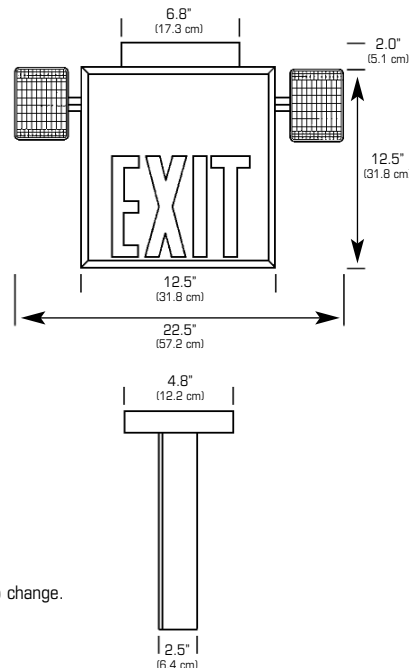
ACCESSORIES (Ordered Separately)
<b>E1CKITW</b> = Mounting Canopy, White
<b>E1PKITW</b> = Pendant Kit, White
<b>E1DCK1</b> = DC Conversion Kit, 6VDC, 5.4W
<b>E1DCK2</b> = DC Conversion Kit, 12VDC, 5.5W
<b>WG4</b> = Wire Guard (Exit Wall Mount)
<b>T15TPTOOL</b> = Tamperproof Screwdriver

## Dimensions

### AC Only and Self-Powered



### Combination Unit



Dimensions are approximate and subject to change.

## Ordering Example

Series	E1	L	3	W	S	R	U	FL
Lamp Type								
Operation								
Frame Color								
# of Faces								
Letter Color								
# of Mounted Heads								
Mounting Configuration								
Options								

## Suggested Specification

Furnish and install LightGuard E100 Series II 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.

**SELF TEST DIAGNOSTICS** - Unit shall contain a microprocessor controlled self test module that monitors battery voltage and charging current. If this module detects a fault, the user will be notified via a status indicator lamp. In addition, an automatic discharge test is performed for 3 minutes every 30 days in compliance with requirements set forth by NFPA101 Section 31-1.

**BATTERY (Self-Powered Only)** - The battery shall be either maintenance free, sealed nickel cadmium (for exit only model) or maintenance free, sealed lead calcium (for combination units).

**ILLUMINATION** - All versions shall utilize LEDs operating well below their rated current. AC Only version shall consume no more than 0.046A (red) or 0.033A (green). Self-Powered version shall consume no more than 0.090A (red) or 0.090A (green). The Combination version consumes no more than 0.090A (red) or 0.090A (green).

**HOUSING** - The exit sign housing shall be constructed of 20 gauge steel with white or black enamel coating.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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