



Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Ordering guide (back box not included, must be ordered separately)

Example: 45VL1RCAL

Item Type	Family	Mounting ²	No. of Faces	Housing Finish	Letter/Panel Color	Directional Indicator
T¹ Recessed (Trim and panel only)	45VL LED (AC Only)	Blank⁶ Ceiling Wall	1 Single face	Blank Satin Aluminum	RC³ Red on Clear	Blank No chevrons
Blank Surface Mount	ER45VXL Emergency LED w/Xtest	W^{3,6} Surface Ceiling Mount	2 Double face		RW Red on White	AL Left
		SC⁷ Surface Ceiling Mount			RM⁴ Red on Mirror	AR Right
		SW^{3,7} Surface Wall Mount			GC³ Green on Clear	AD Left & Right
					GW Green on White	LR Left or Right or Double Face
					GM⁴ Green on Mirror	

Back boxes (must be ordered separately for each recessed item)

Unit	Catalog Number	Description
45VL	BB45VL	Single or Double Face, Red or Green, AC only
ER45VXL	BBER45VXL	Single or Double Face, Red or Green, Emergency

Cut-out Dimension: 14-5/8" x 2-5/8"

Footnotes

- Back box not included, must be ordered separately.
- All exits are recessed mounted, unless indicated to be surface mounted.
- Single face exit only.
- Mirror background simulates clear background on single or double face.
- Can not be used for surface mount.
- Appropriate back box required.
- Back box not required.

CHEVRON Indicator	DIRECTION Panel Front	LEGEND Panel Back
AL (single face)	<EXIT	
AR (single face)	EXIT>	
AD (single face)	<EXIT>	
LR (double face)	<EXIT	EXIT>
AD (double face)	<EXIT>	<EXIT>

45V Architectural LED edge-lit exit sign

Codes and standards

- UL listed to Standard 924 & damp location optional
- NFPA 101 (Life Safety Code)
- NEC 70 (National Electric Code) and OSHA Standards
- California Energy Commission

Construction

- Universal mount recessed back box is constructed of 20 gauge zinc-plated steel and contains electronics and battery.
- Exit panel is ultrasonically welded together to eliminate visible hardware.
- Extruded aluminum trim plate on recessed mounted exit signs fit flush on ceiling or wall. Standard finishes are provided in brushed aluminum.
- Panel is injection molded wedge shape acrylic panel.
- 6" letters with 3/4" stroke.
- Precision molded letters and chevrons (red or green).
- Clear background with optional white or mirror inserts.

Installation

- The recessed back box (rough-in-section) requires a 14-5/8" x 2-5/8" cut out.
- Back box is universal to accommodate recessed ceiling. Surface mounted exits do not require a recessed back box.
- Includes hanger bars for easy mounting.
- The leads on electronics and battery contained in back box include mating plugs to simplify installation.

Electronics

- Dual input voltage : 120/277VAC
- Standard emergency electronics provide a state-of-the-art self-test/self-diagnostic circuitry.
- Features an exclusive system that aids in correcting wiring mistakes by checking power and wiring before applying a load to system components.
- All emergency units have built-in circuitry protection/low-voltage battery disconnect and transformer isolation.
- Solid state charger, test switch and green LED AC status indicator along with three red fault indicators.
- Power Consumption
 - AC Only: (single or double)
Red = 2.9 Watts, Green = 3.5 Watts
 - Emergency Only: (single or double)
Red = 2.9 Watts, Green = 3.5 Watts

LED

- The 45VL and ER45VXL exits utilize high lumen output light emitting diodes (LEDs) for greater visibility and uniform illumination. The LEDs are independently wired with multiple circuits.

Battery

- Maintenance free, sealed nickel cadmium battery.
- Operating temperature range of -20°C to 40°C (-4°F to 104°F).
- Provides a minimum of 90 minutes of emergency illumination.

Warranty

- Five year warranty on unit.

Xtest

Xtest self-diagnostic/self-testing management system is standard.

- Multiple LED indicators flash warnings when attention is needed
- Micro-controller verifies all systems operation
- Exceeds all UL and NFPA requirements for self-testing.
- Full open circuit testing every hour.

Testing Specifications

Automatic Test:

The system charger and lamps are continually being controlled via pre-determined parameters specific to each model configuration, automatically. The battery is controlled via a true open circuit test each hour after initial installation. Every thirty days the system illuminates lamps under load for 30 minutes, simulating a power outage with a true charger off condition, without affecting long-term battery life. This is above and beyond the requirements of the National Electric Code and/or the National Fire Protection Association. This gives you unequalled control and confidence, knowing you are meeting self-test code requirements each and every month.

Manual Test:

A manual test switch allows for the system to perform the following tests any time:

Press Button:

Once – 5 second, charger off, no load

Twice – 60 second, charger off, lamps on

Three – 90 minute, charger off, lamps on

6 second hold – fully reinitializes

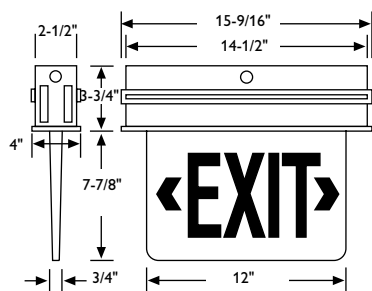
microprocessor

Pressing once during any test will cancel/abort testing.

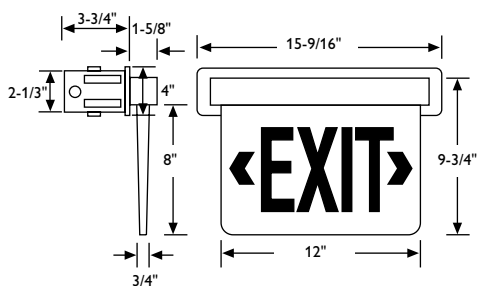
45V Architectural LED edge-lit exit sign

Dimensions

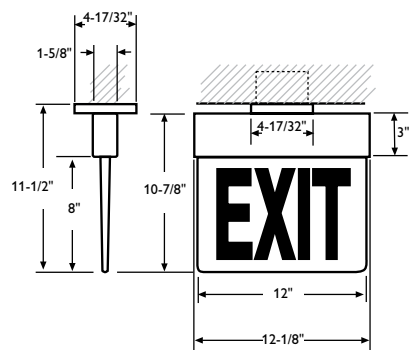
Recessed Ceiling



Recessed Wall



Surface Ceiling



Surface Wall

