



Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Ordering guide (back box not included, must order both parts 1 and 2)

Part 1: Trim and Panel

Example: T45VL1RWAL

Family	Mounting	No. of Faces	Housing Finish	Letter/Panel Color	Directional Indicator
T45VL LED (AC Only)	Blank Ceiling	1 Single face	Blank Satin Aluminum	RC ² Red on Clear	Blank No chevrons
TER45VXL Emergency LED w/Xtest	W ² Wall	2 Double face		RW Red on White	AL Left (single face)
				RM ³ Red on Mirror	AR Right (single face)
				GC ² Green on Clear	AD Left & Right (single or double face)
				GW Green on White	LR Left or Right (double face)
				GM ³ Green on Mirror	

1. Back box not included, must be ordered separately.
2. Single face exit only.
3. Mirror background simulates clear background on single or double face.

Part 2: Back boxes (must be ordered separately for each recessed item)

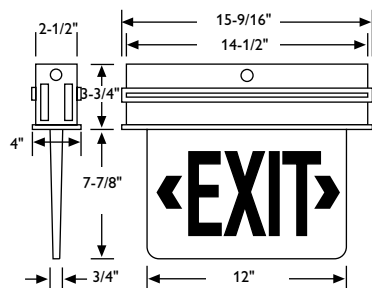
Example: BB45VL

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

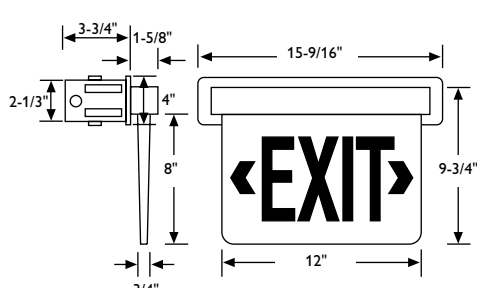
Cut-out Dimension: 14-5/8" x 2-5/8"

Dimensions

Recessed Ceiling



Recessed Wall



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 Recessed architectural edge-lit exit sign

Exit and Emergency

Codes and standards

- UL listed to Standard 924 & damp location optional
- NFPA 101 (Life SafetyCode)
- 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.
- 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 unequaled 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.