



Specifier's Reference

Project
Type
Model No.
Comments

codes and standards

- UL listed to Standard 924
- 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, white or black. Custom finishes are available.
- 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.
- Special Wording available on panel face.

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, wall or end mount applications. 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

- 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
- Exits are available with a flashing interface optional feature for connecting to Fire Alarm System (24VDC signal).
- Two circuit (2C) input is also available on "AC only" exits.

LED

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

battery

- Maintenance free, sealed nickel cadmium battery.
- Operating temperature range of 20° F (-7°C) to 95° F (35°C).
- Provides a minimum of 90 minutes of emergency illumination.

warranty

- Five year warranty on unit.

Green Product Choice: 45VL1RCAL

<p>Item Type</p> <p>Blank – Complete Exit Sign includes: trim, panel and back box, or any surface mounted sign.</p> <p>T – Trim and Panel only¹ (Not an option on surface mounted signs)</p>	<p>Mounting²</p> <p>Blank – Ceiling</p> <p>W – Wall³</p> <p>E – End</p> <p>SC – Surface Ceiling Mount</p> <p>SW – Surface Wall Mount³</p> <p>SP – Pendant Mount (Pendant assembly ordered separately)</p>	<p>Housing Finish¹⁰</p> <p>Blank – Satin Aluminum</p> <p>W – White</p> <p>B – Black</p> <p>BZ – Dark Bronze</p>	<p>Directional Indicator</p> <p>Blank – No chevrons</p> <p>AL – Left</p> <p>AR – Right</p> <p>AD – Left & Right</p> <p>LR – Left or Right for Double Face</p>	<p>Family</p> <p>45VL – LED (AC Only)</p> <p>ER45VXL – Emergency LED w/Xtest</p>	<p>No. of Faces</p> <p>1 – Single Face</p> <p>2 – Double Face</p>	<p>Letter/Panel Color</p> <p>RC – Red on Clear³</p> <p>RW – Red on White</p> <p>RM – Red on Mirror⁴</p> <p>GC – Green on Clear³</p> <p>GW – Green on White</p> <p>GM – Green on Mirror⁴</p>	<p>Options</p> <p>2C – 2 Circuit Input^{5,6}</p> <p>FI – Fire Alarm Flashing Interface^{6,7}</p> <p>SW – Special Wording</p> <p>SA – Salida</p>
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CHEVRON Indicator	DIRECTION Panel Front	LEGEND Panel Back
AL	<EXIT>	
AR	EXIT>	
AD (single face)	<EXIT>	
LR	<EXIT>	
AD (double face)	<EXIT>	EXIT>
	<EXIT>	<EXIT>

Catalog No.*	Canopy	Finish
P31	Square	Aluminum
P31B	Square	Black

*The Pendant Assembly provides 12" between the ceiling and top of housing. For other lengths, add length in inches after Catalog No. (SP – Surface Pendant signs only)

Footnotes

- ¹Back Box (rough-in-section) to be ordered separate only when early installation is required.
- ²All exits are recessed mounted, unless indicated to be surface mounted. End mount not available in surface mount.
- ³Single face exit only.
- ⁴Mirror background simulates clear background on single or double face.
- ⁵Specify 45VL non-battery exit when this option is required.
- ⁶When ordering Back Box (rough-in-section) include option indicator in catalog number. Example: BB45VL2C. But, do not designate the "2C" or "FI" option in the Catalog No. when ordering the separate trim & panel item.
- ⁷Not available in surface mount.
- ⁸Supplied with exit unless "T" prefix is specified.
- ⁹Can not be used for surface mount.
- ¹⁰Custom colors are available. RAL# must be provided.

Back Boxes^{6,8,9} (When rough-in section ordered separately)

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"



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:

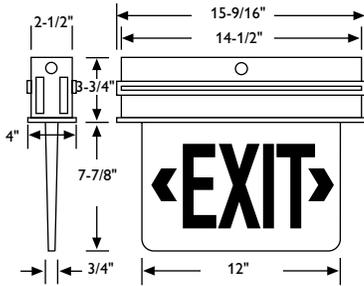
A manual test switch allows for the system to perform the following tests any time:

Press Button:

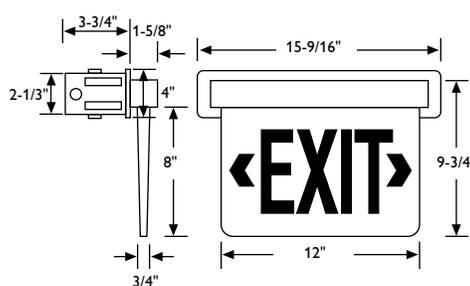
- Once – 5 second, charger off, no load
 - Twice – 60 second, charger off, lamps on
 - Three – 90 minute, charger off, lamps on
 - 6 second hold – fully reinitializes microprocessor
- Pressing once during any test will cancel/abort testing.

Dimensions

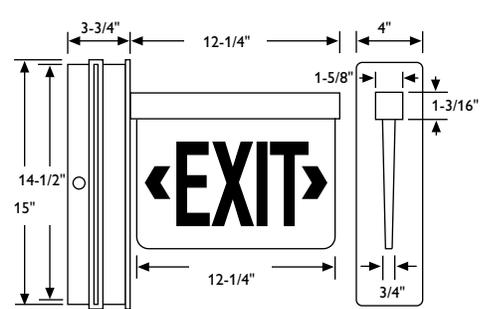
Recessed Ceiling



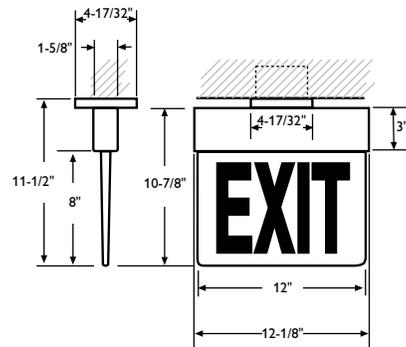
Recessed Wall



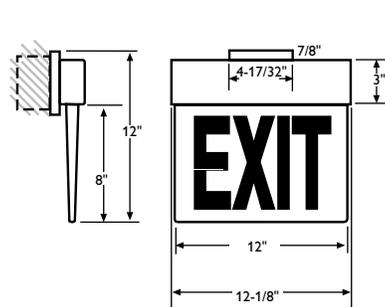
Recessed End



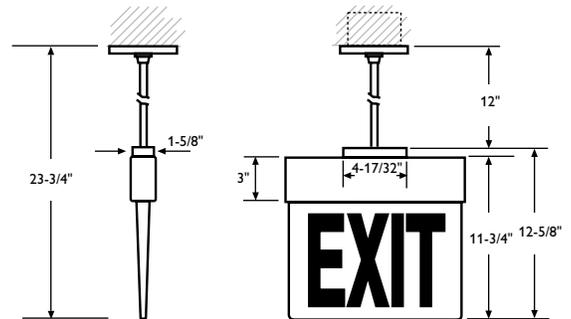
Surface Ceiling



Surface Wall



Surface Pendant



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philips.com/luminaires



Philips Lighting North America Corporation
 200 Franklin Square Drive, Somerset, NJ 08873
 Tel. 855-486-2216

Philips Lighting Canada Ltd.
 281 Hillmount Rd, Markham, ON, Canada L6C 2S3
 Tel. 800-668-9008