



Project:	
Location:	
Cat.No:	
Туре:	
Lamps:	Qty:
Notes:	

Example: 45VL1RCAL

Ordering guide

Item Type		Family		Mounti	ng²	N	o. of Faces	Housin	g Finish ¹⁰	Lett Cold	er/Panel or	Direct Indica		Optio	ons
Blank Complet Sign incl trim, par back bo: any surf- mounted T Trim and only' (No an optio on surfa mounted signs)	des: I and or ce sign.	45VL ER45VXL	LED (AC Only) Emergency LED w/Xtest	Blank W E SC SW	Ceiling Wall ³ End Surface Ceiling Mount Surface Wall Mount ³ Pendant Mount (Pendant assembly ordered separately)	1 2	Single face Double face	Blank W B BZ	Satin Aluminum White Black Dark Bronze	RC RW RM GC GW	Red on Clear ³ Red on White Red on Mirror ⁴ Green on Clear ³ Green on White Green on Mirror ⁴	Blank AL AR AD LR	No chevrons Left Right Left & Right Left or Right or Double Face	2C FI SW SA	2 Circuit Input ^{5,6} Fire Alarm Flashing Interface ⁶ Special Wording Salida

Footnotes

- ¹ Back Box (rough-in-section) to be ordered separate only when early installation is required.
- ² All exits are recessed mounted, unless indicated to be surface mounted. End mount not available in surface mount.
- ³ Single face exit only.
- ⁴ Mirror background simulates clear background on single or double face.
- $^{\rm 5}$ Specify 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.
- 8 Supplied with exit unless "T" prefix is specified.
- ⁹ Can not be used for surface mount.
- ¹⁰ Custom colors are available. RAL# must be provided.
- ¹¹ Consult Signify to confirm whether specific accessories are BAA-compliant.

CHEVRON	DIRECTION	LEGEND
Indicator	Panel Front	Panel Back
AL (single face) AR (single face) AD (single face) LR (double face) AD (double face)	<exit> <exit> <exit> <exit <exit<="" td=""><td>EXIT></td></exit></exit></exit></exit>	EXIT>

	Catalog No.*	Canopy	Finish
1	P31	Square	Aluminum
1	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)

Back Boxes^{6,8,9,11} (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"

Architectural LED edge-lit exit sign

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, 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

- 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
- Exits are available with a flashing interface optional feature for connecting to Fire Alarm System (24 VDC 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°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:

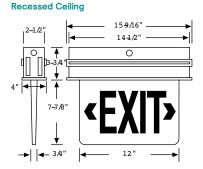
A manual test switch allows for the system to perform the following tests any time: Press Button:

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

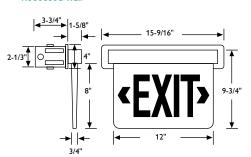
Pressing once during any test will cancel/abort testing.

45V Architectural LED edge-lit exit sign

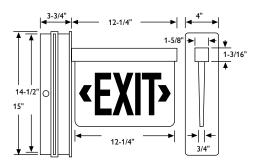
Dimensions



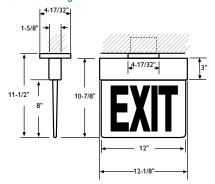
Recessed Wall



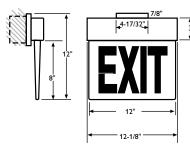
Recessed End



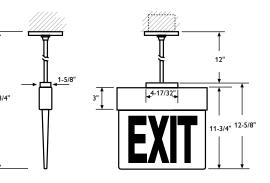
Surface Ceiling



Surface Wall



Surface Pendant



Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit www.signify.com/baa to view a current list of BAA-compliant products to confirm this product's current compliance.



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