

FEATURES & SPECIFICATIONS

INTENDED USE — Provides a minimum of 90-minutes of illumination for the rated wattage upon the loss of AC power. Ideal for applications that require ensconced emergency lighting in wall or ceiling.

CONSTRUCTION — Trim and door panels finished in durable white textured powder coated paint. Can be wall papered or field painted.

Trim and panel doors lay flush with mounting surface. No exposed hardware.

Low profile recessed test switch and status indicator configuration minimizes exposed interfaces.

Rugged, 20 GA galvanized steel box with three 3/4" knock-outs.

Galvanized bar hangers span up to 30" on center.

Vertically adjustable bar hangers allows for flush mounting of trims to ceiling face, accommodates ceiling or walls up to 5/8" thick.

OPTICS — VEL: Two MR16 halogen 12W to 75W lamps.

180° side-to-side. 90° down-and-out, relative to mounting height.

Lamps are ensconced until activated in the emergency mode.

Models with additional wattage capacity are provided with fused remote output leads.

ELECTRICAL — Dual-voltage input capability (120/277V).

Precision-controlled motor ensures reliable extraction and retraction of light sources.

Single, multi-chromatic LED indicator to display two-state charging, test activation and four-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection.

Self-diagnostics is provided as a standard feature. The diagnostic feature tests the unit once every 28 days by opening the doors for 1 second and then closing them, without turning the lamps on. Following this, a load test will be performed for 29 minutes checking for lamp, battery or transfer default. The charger function is monitored continuously.

Diagnostic evaluation of lamp, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality.

IR receiver is provided as a standard feature. Requires the ELA RTVEL hand-held remote transmitter for remote testing (see accessories) for operation. Selectable 30-second or 90-minute manual testing.

Battery: Sealed, maintenance-free lead-calcium battery with capacity of 24W to 150W for a minimum of 90-minutes of emergency operation. Optional nickel-cadmium battery.

Extended run times available. (See chart, page 2)

Automatically recharges after a 90-minute discharge.

Low voltage disconnect prevents excessively deep discharge that can permanently damage the battery.

Voltage polarity protected connector for reverse polarity protection.

INSTALLATION — Wall or ceiling mount. Exposed or concealed suspension ceiling systems.

 $\label{thm:continuous} \mbox{T-bar clips secure unit to grid in ceiling-mount applications}.$

Catalog Number
Notes
Туре

VFI ARÉ

Concealed Emergency Lighting Unit

VEL

Example: VEL1270 H3512

12-Volt Self-diagnostic, Sealed Lead-Calcium or Ni-Cad battery



Rough-in dimensions: 13-1/2" x 6-3/4". Allow 5-1/2" for door panel opening clearance.

Back box dimensions: 5-1/2"W x 15-3/8"L x 4"D.

LISTINGS — UL Listed. Non-IC recessed mounting. Meets UL 924, NFPA 101, NFPA 70-NEC and OSHA illumination standards. Available with CP option for City of Chicago Environmental Air (CCEA) requirements.

WARRANTY — 3-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

 $\underline{www.acuitybrands.com/support/warranty/terms-and-conditions}$

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Family ¹		Lamp type ⁴		Optio	ns
VEL1224 VEL1240 VEL1270 VEL12100 VEL12150	12V, 24W 12V, 40W 12V, 70W ² 12V, 100W ³ 12V, 150W ³	H1212 H2012 H3512 H5012 H7512	12W/12V halogen MR16 20W/12V halogen MR16 35W/12V halogen MR16 50W/12V halogen MR16 75W/12V halogen MR16	N TD LRIS CP	Maintenance free ni-cad battery Time delay Less rough-in section ^s Chicago plenum CCEA rated ⁶

Accessories: Order as separate catalog number.

ELA RTVEL Remote infra-red hand-held transmitter with selectable 30-second or 90-minute testing⁷

ELA VEL RIS VEL rough-in section (supplied standard with fixture unless LRIS suffix is specified) ships with mounting hardware only. Order ELA VEL RIS if needed for rough-in phase of construction⁶

Notes

- 1 For extended run-time information, see chart on reverse side.
- 2 Not available with H1212 lamps.
- 3 Not available with H1212 or H2012 lamps.
- 4 Two lamps provided. Total lamp load cannot exceed the fixture capacity rating.
- 5 VEL rough-in section ships standard with fixture unless LRIS suffix is specified. The rough-in section ships in a separate carton. Requires ELA VEL RIS accessory for installation.
- 6 Must designate CP option for CCEA rating.
- 7 Minimum one per job required for remote testing.

EMERGENCY VEL

VEL Concealed Emergency Lighting Unit, Velaré®

SPECIFICATIONS

ELECTRICAL

Primary Circuit

Volts	AC Input Amps	Watts	Output Volts	Output Watts 1-1/2hr.	
120	.20	30	12	24	
277	.20	30	12	24	
120	.20	30			
277	.20	30	12	40	
120	.20	30			
277	.20	30	12	70	
120	.20	30			
277	.20	30	12	100	
120	.20	30			
277	.20	30	12	150	
	120 277 120 277 120 277 120 277 120	Volts Amps 120 .20 277 .20 120 .20 277 .20 120 .20 277 .20 120 .20 277 .20 120 .20 277 .20 120 .20	Volts Amps Watts 120 .20 30 277 .20 30 120 .20 30 277 .20 30 120 .20 30 277 .20 30 120 .20 30 277 .20 30 277 .20 30 120 .20 30 120 .20 30	Volts Amps Watts Volts 120 .20 30 12 277 .20 30 12 120 .20 30 12 277 .20 30 12 120 .20 30 12 120 .20 30 12 120 .20 30 12 120 .20 30 12 120 .20 30 12	Volts Amps Watts Volts 1-1/2hr. 120 .20 30 12 24 277 .20 30 12 40 120 .20 30 12 40 120 .20 30 12 70 120 .20 30 12 70 120 .20 30 12 100 120 .20 30 12 100

BATTERY

Voltage

Sealed Lead-Calcium

12	12 mos.	4-5 yrs.	none	60°-90°F (0°-37.8°C)
Nickel-Cadmiu	m			
Voltage	Shelf life ¹	Typical life ¹	Maintenance ²	Temperature range³
12	3 yrs.	6-8 yrs.	none	32-100°F

Typical life1

Maintenance²

Notes

- All life safety equipment, including emergency lighting for path of egress must be maintained, serviced, and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.
- Temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity.

EXTENDED RUN-TIME CHART

Shelf life1

Please use the chart below to determine which model number to use to achieve an extended run time of two, three, or four hours. Example: If you require a 4-hour run time, the lowest wattage unit available is the VEL1240 H1212. The units are not loaded to full capacity which in turn extends the run time.

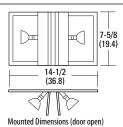
Lamp Wattage

		(2) H1212 Lamps	(2) H2012 Lamps	(2) H3512 Lamps	(2) H5012 Lamps	(2) H7512 Lamps
_	1-1/2 Hrs.	VEL1224 H1212	VEL1240 H2012	VEL1270 H3512	VEL12100 H5012	VEL12150 H7512
Needed	2 Hrs.	VEL1224 H1212	VEL1240 H2012	VEL1270 H3512	VEL12150 H5012	
Run-Time N	3 Hrs.	VEL1224 H1212	VEL1270 H2012	VEL12100 H3512		
	4 Hrs.	VEL1240 H1212	VEL1270 H2012	VEL12150 H3512		

DIMENSIONS

Shipping Weight:

VEL1224 H1212 LRIS (12V, 24W) - 12.5 lbs (5.7 kgs) VEL1240 H2012 LRIS (12V, 40W) - 12.5 lbs (5.7 kgs) VEL1270 H3512 LRIS (12V, 70W) - 15 lbs (6.8 kgs) VEL12100 H5012 LRIS (12V, 100W) - 15 lbs (6.8 kgs) VEL12150 H7512 LRIS (12V, 150W) - 19.5 lbs (8.8 kgs) ELA VEL RIS (rough-in) - 11 lbs (5.0 kgs)



All dimensions are in inches (centimeters), unless otherwise specified.

VFI ·

Temperature

range

(16-32°C)

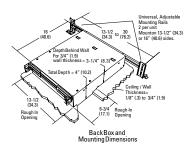
Rough-in opening:

13-1/2 (34.1) x 6-3/4 (17.0)

Overlap trim:

14-1/2 (36.8) x 7-5/8 (19.3)

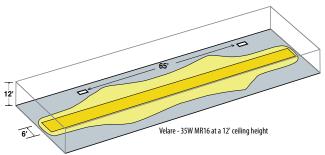
Allow 5-1/2" for door panel opening clearance.



PHOTOMETRICS

Recommended Center-to-Center Spacing

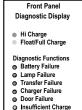
		10'	12'	16'	20'	
	H1212	17'	17'	16'	16'	
	H2012	36'	36'	34'	34'	
<u>y</u> pe	H3512	65'	65'	58'	64'	
Lamp Iype	H5012	70'	70'	70'	70'	
2	H7512	130'	140'	134'	140'	



Meets Life Safety Code standard minimum illuminance of 0.1 FC and average illuminance of 1.0 FC. Assumes fixture is ceiling mounted in a 200'Wx200'L open area and reflectances of 80/50/20.

Note: All spacings are intended to be guidelines. Results will vary if application deviates from dimensions or assumptions stated above.

KEY FEATURES





Remote transmitter hand-held accessory

Self Diagnostics is standard