

VC Series

Class I Division 2,
Groups A, B, C and D hazardous
location combination unit



CLASSIFICATION

CLASS I

Division 2

Groups A, B, C, D

Contact your ABB sales representative
to verify classification

CERTIFICATIONS



UL844
UL924
US
LR111065

FEATURES



nexus™

Key features and benefits

Construction

- Fully gasketed housing frame
- Faceplate: heavy-duty, vandal-resistant polycarbonate
- Backplate: heavy-duty aluminum
- Vandal-resistant UV stabilized polycarbonate lamp cover
- Stainless steel tamper-proof screws
- 6 inch EXIT lettering legend, available in red or green
- Field-selectable chevrons

Mounting

- Surface wall mount only
- Backplate features universal knockouts for a standard 4 inch junction box, and four mounting eyelets used in wall mount applications
- 1/2 inch conduit entry on top and sides.

Lamp type

- Choice of MR16 LED lamp wattages

Battery type

- VC Model, nickel-cadmium battery, 6V-20W total battery capacity
- VC12N Model, nickel-cadmium battery, 12V-24W total battery capacity

Electronics

- Magnetic test switch
- Standard Advanced Diagnostics (non-audible)
- Optional Nexus® monitoring system
- 120/277 60Hz

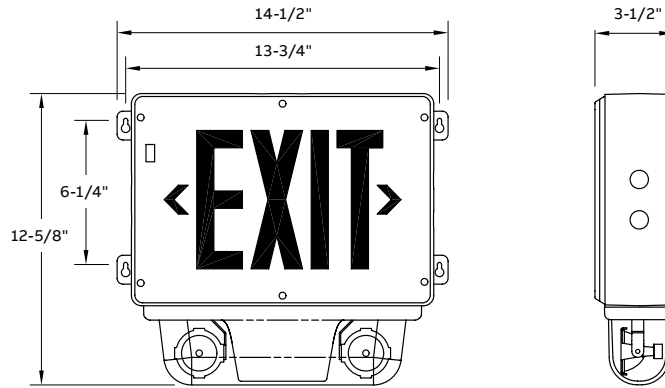
Approvals

- CSA-US (to UL 924 standards)
- Evaluated to the UL 844 Standard for Class I Division 2, Groups A, B, C and D
- NEC, OSHA and NEMA compliant for above Classes and Groups
- Damp and wet location (50°F to 104°F)
- Temperature code T4A (Max. temperature 248°F/120°C)
- Meets NFPA101 (Life Safety Code), NFPA 70-NEC and OSHA illumination standards

Warranty

- Five-year limited warranty

Dimensions

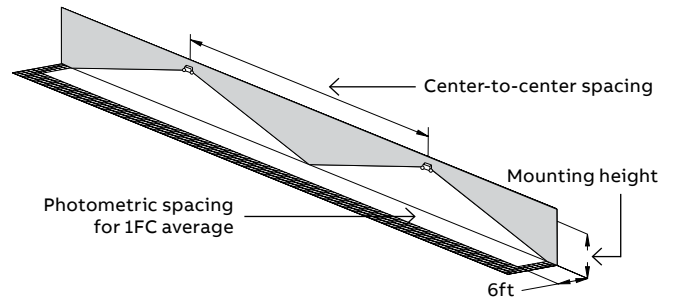


Power consumption and unit rating

Model	AC Input	Current	Power	Maximum	Stand-by	Battery capacity in watts			
				Current	Power	1-1/2 hrs	2 hrs	3 hrs	4 hrs
VC	120/277VAC	0.15/0.07A	16W	0.09/0.03A	8W	20	15	-	-
VC12N	120/277VAC	0.30/0.08A	29W	0.13/0.05A	10W	24	18	12	-

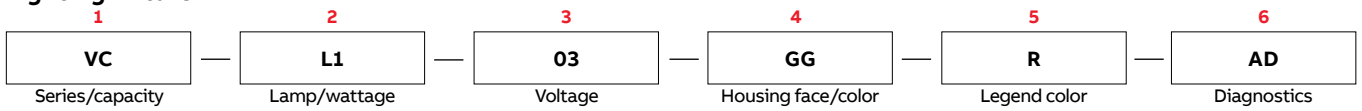
Photometric performance

Lamp	Spacing center-to-center (feet)	
	7' mounting height	15' mounting height
L1	39'	34'
L7	49'	39'
L9	68'	54'
L10	89'	80'



Numbering system

Lighting fixture



Lighting fixture

Part	Part number	Description
1 Series/capacity	VC	6V-20W, NICD
	V12N	12V-24W, NICD
2 Lamp/wattage	L1	2 x MR16 LED 6V 4W
	L7	2 x MR16 LED 12V 4W
	L9	2 x MR16 LED 12V 5W
	L10	2 x MR16 LED 12V 6W
3 Voltage	03	120/277V 60 HZ
4 Housing/face color	GG	Gray/gray
5 Legend color	R	Red legend
	G	Green legend
6 Diagnostics	Blank	Advanced Diagnostics non-audible
	DA	Advanced Diagnostics audible
	NEX	Nexus® wired
	NEXRF	Nexus® wireless

Accessories (order as a separate item)

Description	Part number
Additional special bit for tamper-proof screws	690.0454-E