



Freedom LED Series

Easy to install aluminum exit signs featuring up to 12-hour emergency operation and energy-saving, long-life LED lamps



Catalog Number	
Comments	Type

Models available in six decorator finishes

- Antique Brass
- Brass
- Black
- Black with Brushed Face
- White
- White with Brushed Face

Features

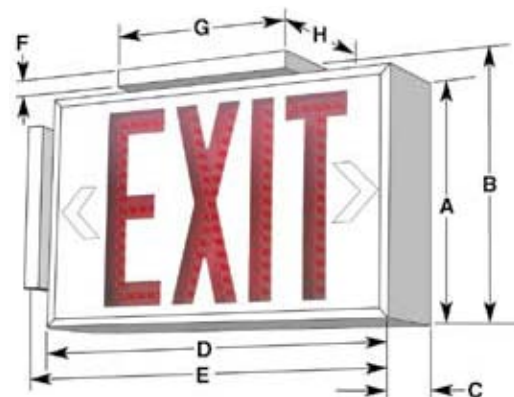
All Models

- Bright, even illumination
- Red and green letters
- Easy to install
- Long-life LED lamps provide over 20 years of service
- Energy-saving operation
- Vinyl clad, marine-grade aluminum housing and stencil face assembly
- Vandal resistant polycarbonate face shield standard
- Single and double face models
- Six decorator finishes offered
- 120/277VAC, 60 Hz operation
- End, ceiling or wall mounting
- Snap-out, chevron type directional arrows
- Operating Temperature Range: 10°C to 40°C (50°F to 104°F)
- UL damp location listed (all models)

Emergency Models

- Fully automatic, solid-state charger
- All emergency components mount inside exit housing
- 6 Volt, maintenance-free lead-acid battery
- User-selectable constant on or flashing LED illumination in emergency mode
- Operates up to 12-hours (see "Specifications")
- Automatic low voltage battery disconnect
- Test switch
- LED AC-On indicator
- LED battery charge indicator
- UL 924 Listed
- UL damp location listed (all models)

Dimensions



A	B	C	D	E	F	G	H
7 1/2"	8.0"	3 1/8"	12 1/8"	12 5/8"	1/2"	6.0"	4 1/4"
19 cm	20 cm	7.9 cm	30.8 cm	32.1 cm	1.3 cm	15.2 cm	10.8 cm



Specifications

Freedom LED Series

Extended discharge LED Exit Signs

Construction

Sign: Housing, exit face(s) and mounting canopy constructed of marine grade vinyl clad 5052-H32 aluminum

Sign Finish: Choice of white, white with brushed face, black, black with brushed face, brass and antique brass finishes

Face Shield: Vandar-resistant polycarbonate

Exit Face Design

Letters: 6" letters, 3/4" stroke

Directional Arrows: Snap-out chevron type

Illumination

All Models: 108 red or green high-output LEDs per face

Rated Lamp Life: In excess of 20 years

Brightness Index: Meets UL requirements

Illumination Uniformity: Meets UL requirements

Installation

Mounting: Sign mounts to 3 1/2", 4" octagon, or 4" square outlet boxes and standard plaster rings.

Wall Installations: Backplate provides a knockout pattern for mounting to outlet box. Keyhole knockout provided for securing housing to wall surface.

Ceiling or End Installations: Mounting canopy provided with a mode s. Canopy mounts to outlet boxes by means of mounting plate supplied.

Wiring: AC input prewired provided.

Operating Temperature Range

10°C to 40°C (50°F to 104°F).

Electronics

Input: 120/277VAC, 60 Hz (alternate)

Emergency Operation Module (Internally Mounted)

Charger: Solid-state, constant voltage type

Transfer: Solid-state design

Battery Recharge Cycle: Per UL time standards

Test Means: Integral test switch

Indicators: Green AC-On LED indicator

Red Battery Charge LED Indicator

Battery

Type: Maintenance-free lead-acid

Power Consumption*

	Single Face Models		Double Face Models	
	120VAC	277VAC	120VAC	277VAC
Red AC Only Models:	4.47 watts	4.47 watts	6.80 watts	6.80 watts
Green AC Only Models:	4.68 watts	4.64 watts	6.70 watts	6.70 watts
Red Emergency Models:	4.99 watts	4.99 watts	7.27 watts	7.22 watts
Green Emergency Models:	4.96 watts	4.93 watts	7.65 watts	7.67 watts

*Wattage figures include LED lamps, transformer and electronics power requirements.

Power Factor, Average: .8 (lagging)

Discharge Time

Flashing Mode: 12 hours (single face), 8 hours (double face)

Constant-On Mode: 6 hours (single face), 4 hours (double face)

Compliances

UL 924

UL Damp Location Listed

NFPA-101

Warranty

LED Illumination plaque: 5-years full

Unit and Electronics: 5-years full

Battery: 1 year full, 5 years pro-rata (6 years total)

Product Selector

AC Model Numbers	Emergency Model Numbers	Colors		
		Letters	Housing	Stencil
Single Face Models				
LED1ACRWW	LED1EMRWW	Red	White	White
LED1ACGWW	LED1EMGWW	Green	White	White
LED1ACRWA	LED1EMRWA	Red	White	Brushed
LED1ACGWA	LED1EMGWA	Green	White	Brushed
LED1ACRBB	LED1EMRBB	Red	Black	Black
LED1ACGBB	LED1EMGBB	Green	Black	Black
LED1ACRBA	LED1EMRBA	Red	Black	Brushed
LED1ACGBA	LED1EMGBA	Green	Black	Brushed
LED1ACR TT	LED1EMR TT	Red	Brass	Brass
LED1ACG TT	LED1EMG TT	Green	Brass	Brass
LED1ACR ZZ	LED1EMR ZZ	Red	Ant. Brass	Ant. Brass
LED1ACG ZZ	LED1EMG ZZ	Green	Ant. Brass	Ant. Brass
Double Face Models				
LED2ACRWW	LED2EMRWW	Red	White	White
LED2ACGWW	LED2EMGWW	Green	White	White
LED2ACRWA	LED2EMRWA	Red	White	Brushed
LED2ACGWA	LED2EMGWA	Green	White	Brushed
LED2ACRBB	LED2EMRBB	Red	Black	Black
LED2ACGBB	LED2EMGBB	Green	Black	Black
LED2ACRBA	LED2EMRBA	Red	Black	Brushed
LED2ACGBA	LED2EMGBA	Green	Black	Brushed
LED2ACR TT	LED2EMR TT	Red	Brass	Brass
LED2ACG TT	LED2EMG TT	Green	Brass	Brass
LED2ACR ZZ	LED2EMR ZZ	Red	Ant. Brass	Ant. Brass
LED2ACG ZZ	LED2EMG ZZ	Green	Ant. Brass	Ant. Brass

Option and Accessory Items

Description	Factory Equipped Add Suffix To Model	Field Kit Order Part Number
Remote DC operation ⁽²⁾⁽³⁾⁽⁵⁾	-DC	
Tamper resistant screws	-TR	
Two-circuit operation ⁽²⁾⁽³⁾⁽⁶⁾	-2C	
Fire alarm interface (flasher) ⁽⁴⁾⁽⁵⁾⁽⁶⁾	-FAP	
Beeper ⁽¹⁾⁽⁶⁾	-BPR	
Vandal resistant shield		VRS3
Wireguard (ceiling/end mount)		WGTCE
Wireguard (wall mount)		WGTW

(1) For specification with emergency models only.

(2) For use with AC models only.

(3) For emergency illumination of sign from remote 12 to 48VDC power sources.

(4) Operates with 24-volt AC or DC fire alarm panels.

(5) -FAP, and -DC options may not be specified together.

(6) -2C -BPR and -FAP options may be specified together.

Suggested Specification

Exit sign construction will be vinyl clad aluminum in (white)(white with brushed face)(black)(black with brushed face)(brass)(antique brass) finish. Exit face will provide 6" high letters with 3/4" stroke and snap-out, chevron type directional arrows. Exit sign design will allow universal 120/277VAC, 60 Hz operation. Normal AC illumination will be provided by 108 red or green high-output LEDs per face. Normal LED lamp life will be in excess of 20 years. Exit letters will exceed the lumen output and illumination uniformity required by UL specifications. Exits will be provided with all necessary components for wall, ceiling or end mounting applications. Mounting canopies will be provided with all models and will be of identical construction and color to match the exit housing. Exits will be designed to mount to 3 1/2" or 4" octagon, 4" square or standard plaster rings. Emergency exit models will provide a fully automatic emergency operation module capable of providing [(8)(12) hours flashing][(4)(6) hours constant-on] emergency operation. Emergency components will mount inside the exit housing and will include a solid-state constant voltage type battery charger, a maintenance-free lead-acid battery, AC-On and charge indicator lights and a test switch. The unit charger will be capable of recharging the battery within acceptable UL time standards. Exit signs must comply with all UL 924, (UL Damp Location) and NFPA 101 Life Safety Code requirements.

Optional equipment will include: _____

Dimensions to be 7 1/2" (19cm) high x 12 1/8" (30.8cm) wide x 3 1/8" (7.9 cm) deep.

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