



Freedom LED Series

Aluminum LED Exit Sign

FEATURES

Application

The LED series is an architectural combination exit and emergency light designed for fast installation and reliable service.

The LED series has a Vinyl clad, marine grade aluminum housing and stencil face assembly. The unit is available in single and double face models and is offered in six decorator finishes. Includes a fully automatic, solid-state charger. All emergency components mount inside the exit housing, 6 Volt, maintenance-free lead-acid battery, user-selectable constant on or flashing LED illumination in emergency mode.

Construction

The LED series housing and canopy is constructed of marine grade vinyl clad 5052-H32 aluminum. The stencil face shield is made of vandal-resistant polycarbonate. The sign comes in a choice of finishes including white, white with brushed face, black, black with brushed face, brass and antique brass.

Illumination

The LED Series provides bright, even illumination by using 108 red or green high-output LED's. The lamp has a rated life in excess of 20 years. Photometrics are available for download at www.dual-lite.com.

Installation

The LED Series mounts to 3¹/₂", 4" octagon, or 4" square outlet boxes and standard plaster rings. It can also be wall mounted by use of back-plate via knockout pattern to an outlet box.

Compliances

Listed to UL924 Damp Location Standard, NFPA-101, NFPA-70

Warranty

LED Illumination Strip: 5-years full

Unit and Electronics: 5-years full

Battery: 1 year full, 9 years pro-rata (10 years total)

Catalog Number	
Comments	Type



ACCESSORIES

VRS3	Vandal Resistant Shield
WGTC	Wireguard (ceiling/end mount)
WGTW	Wireguard (wall mount)

ORDERING GUIDE

LED

Model	Faces	Operation	Letter Color	Finish	Options
	1 Single 2 Double	AC AC Only EM Emergency	R Red G Green	WW White WA White with Brushed Aluminum Face B Black BA Black with Brushed Aluminum Face TT Brass ZZ Antique Brass	2C 2-circuit operation ^{2,5} FAP Fire alarm panel interface ^{3,5,6} DC Remote DC operation ^{2,4,5} TR Tamper resistant screws BPR Beeper module ^{1,6}

¹For use with emergency models only.

²For use with AC models only.

³Operates with 24-volt AC or DC fire alarm panels.

⁴For emergency illumination of sign from remote 12-48 VDC power sources.

⁵-DC option may not be specified with -2C or -FAP options.

⁶-BPR and -FAP options may not be specified together.



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SPECIFICATIONS

Electronics

Emergency model includes maintenance-free nickel-cadmium battery with capacity to run the LED's for 90 minutes. 24 hour battery re-charge. All models supplied with a dual voltage input which accepts 120 or 277VAC. Includes pre-stripped AC input pigtail leads. Includes test switch, AC-on indicator and Red Battery Charge LED indicator.

Battery Type: Maintenance-free nickel-cadmium

AC: 120/277VAC, 60Hz (all models)

Operating Temperature Range: 10°C to 40°C (50°F to 104°F)

Discharge Time

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

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

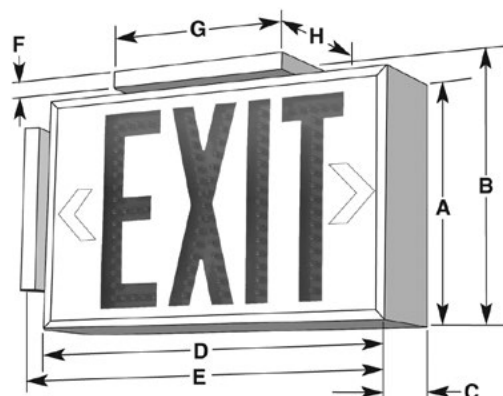
POWER CONSUMPTION

Model	Single Face Models		Double Face Models	
	120VAC	277VAC	120VAC	277VAC
Red AC Only	3.00 watts	3.15 watts	6.80 watts	6.80 watts
Green AC Only	2.80 watts	2.94 watts	6.70 watts	6.70 watts
Red Emergency	3.17 watts	3.34 watts	7.27 watts	7.22 watts
Green Emergency	3.05 watts	3.00 watts	7.65 watts	7.67 watts

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

Power Factor, Average: .8 (lagging)

DIMENSIONS



A	B	C	D	E	F	G	H
7 1/2"	8"	3 1/8"	12 1/8"	12 5/8"	1/2"	6"	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