

The NAV-EM series vandal-resistant emergency lighting unit is designed to stand up to high abuse areas such as correctional facilities, schools, apartment complexes, and public areas that may be subject to vandalism. The NAV-EM features an IEC IP66 Rating standard and is suitable for Wet or Hose Down applications.

Model: _____ Date: _____
 Accessories: _____
 Job Name: _____ Type: _____

FEATURES

- IP66 rated for Wet and Hose Down Locations - NEMA 4X
- Heavy-duty 0.42" thick, cast aluminum housing
- Impact-resistant polycarbonate shield offers extreme protection
- Fully-adjustable, high-intensity MR16 LED and Halogen lamps in wattages ranging from 5-35 Watts
- Back up available in 6 Volt - 42 Watts or 12 Volt with either 42 Watts or 90 Watts
- Tamper-resistant hardware standard
- Ceiling, end or wall mount
- Nickel Cadmium Battery
- 120/277V, 60Hz input
- Standard finishes: Black or White
- Assembled in USA



WARRANTY

Any component that fails due to a manufacturing defect is guaranteed for three years with a separate three year prorated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information.



ORDERING INFORMATION Example: NAV-EM-6-42-10M-B

Series	Voltage	Wattage	Lamp (x2)	Finish	Accessories ¹ (Field Installed)
NAV-EM	6 = 6 Volt	6 Volt	6 Volt	B = Black	ER1-KIT = 1' Pendant Mount Kit
	12 ² = 12 Volt	42 = 42 Watts	5M = 5 Watt	W = White	ER2-KIT = 2' Pendant Mount Kit
		12 Volt	10M = 10 Watt		
		42 = 42 Watts	LED = 5 Watt		
		90 = 90 Watts	12 Volt		
Notes			10M = 10 Watt		
¹ Order as separate line item			20M = 20 Watt		
² 12V 90W configuration cannot be end mounted			35M = 35 Watt		
			LED = 5 Watt		

CONSTRUCTION

The NAV series is constructed from .420" thick, heavy-duty die-cast aluminum. Tamper-resistant screws and external LED status indicator and infrared test switch are standard

ILLUMINATION

Bottom mounted lamp assembly contains two fully adjustable, high-intensity MR16 Halogen lamps in wattages ranging from 5-20 Watts. Lamp assembly is enclosed in a vandal-resistant polycarbonate shield. The high abuse clear polycarbonate lens provides protection of the lamps. Tamper-resistant screws are standard for the lamp housing. The emergency light enclosure comes standard with a vacuum metalized reflector for an aesthetic look.

ELECTRICAL

Input

Dual-voltage input 120 or 277VAC @ 60Hz.

Nickel Cadmium Battery – NiCad

Exitronix nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. NiCad technology provides long-lasting, safe and reliable performance by utilizing the jelly roll design and allows a NiCad cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the active material in each cell, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

Emergency

The NAV-EM series will operate for a minimum of 90 minutes during a loss of power with a 24 hour maximum recharge time for the battery.

Brownout Circuit

Brownout circuit monitors the line voltage, as the line voltage sags and can no longer illuminate the exit sign to meet UL 924 visibility test, the emergency circuit will turn on to supply a portion or all the power to illuminate the sign for a minimum of 90 minutes until the line voltage is restored.

Low Voltage Disconnect

When the battery's terminal voltage falls below predetermined levels, the low voltage circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

Solid-State Transfer

The unit features a Solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection

The Solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button

Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

INSTALLATION

The NAV Series is supplied with a universal mounting system and is suitable for surface ceiling, wall and end mount applications. Suitable for Indoor, Outdoor, Damp or Wet Location applications.

NEMA 4X Rated (Standard)

NEMA 4X rated fixtures are designed for outdoor applications. NEMA 4X rating ensures that the fixtures will withstand contact with falling dirt, moderate or jet driven water, ice and corrosion. NEMA 4X fixtures are designed to perform in Hose Down applications.

IP66 Rated (Standard)

IP66 rating ensures that the product can be installed in outdoor applications where significant water or dust may come in contact with the fixture. IP66 rated fixtures are fixtures designed to perform in Hose Down applications.

Assembled in the USA (Option: USA)

Can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions.

CONFORMANCE TO CODES & STANDARDS

The NAV-EM Series meets or exceeds the following: NEC requirements and NFPA 101.

DIMENSIONS

