EMERGI-LITE®

NSF®

Survive-All™ Series

Certified for Food Preparation and Cold Storage Applications

NEMA-4X Certified for Harsh Environments

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SURVIVE-ALL™ SERIES
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NSF
What and Why?

Required Testing

- Physical design and construction evaluation: Ensures the product is easily cleanable.

- Material review: Provides verification that the materials used to fabricate the equipment are nontoxic. Materials must be corrosion resistant; coatings are tested for durability against impact and abrasion.

- Sanitization effectiveness: Confirms that the manufacturer's recommended cleaning and sanitizing procedures actually do sanitize the equipment.

The NSF Mark

The presence of the NSF Mark on food service equipment means that the equipment has been evaluated, tested, and certified by NSF International as meeting international commercial food equipment standards. To earn the right to use the NSF Mark, a manufacturer must pass not only stringent evaluation and testing of its product, but also rigorous, unannounced inspections of its production facilities which are conducted on a routine basis.

NSF International

NSF International is an independent, not-for-profit organization dedicated to public health safety and protection of the environment. As a "third-party" provider of certification services, NSF is not a government agency and is not controlled by industry. This independent status guarantees that the equipment is tested and evaluated by a completely impartial agency.

Regulatory Acceptance

Demonstrate to regulatory officials that the products you use have obtained the most respected and accepted certifications in the industry. NSF Certification validates that your food equipment supports HACCP compliance.

HACCP

Hazard analysis and critical control point. Food production, storage, and distribution monitoring system for identification and control of associated health hazards. It is aimed at prevention of contamination, instead of end-product evaluation. In place of relying on food inspectors to detect food safety problems, HACCP shifts the responsibility to the food producer to ensure that the product is safely consumable.

NEMA-4X Rating

Definition: Intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, and hose directed water; undamaged by ice which forms on the enclosure. The Survive-All™ emergency lighting product family was created to endure the harsh realities of the food processing or preparation industry as well as most heavy industrial facility. In fact, these units are a perfect fit not only for food preparation areas but also for car washes, chemical plants, prisons, swimming pools and sports arenas, parking garages or schools.

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SURVIVE-ALL FAMILY

NSF and NEMA-4X emergency lighting products
for harsh environment applications

Survive-All™ Series is the industry standard for emergency lighting in food processing applications. Battery units, remote fixtures, exit signage and combo units – Emergi-Lite® is proud to offer a complete family of NSF and NEMA-4X Certified emergency lighting products that delivers impressive, state-of-the-art illumination in a visually-appealing package. A complete emergency lighting solution, these products are designed for use in a wide range of commercial and industrial environments where humidity, corrosion, dust, water infiltration and the risk of vandalism are specification criteria.

Applications
- Food processing / preparation facilities
- Chemical plants
- Warehouse and cold storage facilities
- Heavy industrial facilities
- Marine locations
- Hosedown areas / car washes
- Schools and other public facilities
- Parking garages
- Transit platforms
- Sports arenas / swimming pools
- Security areas / prisons

Certifications
- UL Certified for 90 minutes
- Exit signs meet or exceed UL-924 requirements
- NEMA-4X Certified for high abuse areas, wet locations and cold weather (-40°C) applications
- NSF Certified for use in food processing plants

Features
- Battery units and remote fixtures deliver amazing pathway illumination – 70 feet, center-to-center (see photometric data on back cover)
- Fully gasketed enclosures prevent water infiltration
- Vandal-resistant enclosures - resist dents, peeling and corrosion
- All units come with tamper-proof screws and bits
- UV resistant enclosures
- Choice of colors – factory white, black and gray
- Continuous self-diagnostic monitoring and monthly self-testing
- Fully automatic, solid state charger
- Non-intrusive magnetic test switch
- NEXUS® compatible

Battery Unit - Survive-All™ SV Series
- Fully gasketed cast aluminum back plate with clear UV resistant polycarbonate cover
- Long-life, maintenance-free sealed Lead-Acid battery
- Choice of MR16 halogen lamps up to 12V, 20W or high-efficiency, 4W to 6W, MR16 LED lamps
- Wall, strut or beam mounting
- Unit capacity: up to 60W
- Suitable for cold weather applications — -40°F (-40°C) (CW option)

Remote Fixtures - Survive-All™ EF39/EF40 Series
- Choice of single or double head models
- Fully gasketed with a selection of cast aluminum or polycarbonate back plate
- Choice of MR16 halogen lamps up to 24V, 20W or highefficiency, 4W to 6W, MR16 LED lamps

Combo Unit - Survive-All™ SVX Combo Series
- Innovative, field-adjustable lamp head assembly
- Choice of MR16 halogen lamps up to 12V, 12W or high-efficiency, 4W to 6W, MR16 LED lamps
- Long life, energy efficient ALINGAP technology red LED illuminated EXIT legend
- Can be wall, end or ceiling mounted
- Double face available
- Suitable for cold weather applications: -40°F (-40°C)

Exit Sign - Survive-All™ SVX Series
- Sealed heavy-duty, vandal-resistant polycarbonate faceplate
- Suitable for cold weather -40°F (-40°C) (AC/DC model) and -4°F (-20°C) on Self-Powered model (CW option)
- Long-life, energy-efficient ALINGAP technology red LED light source
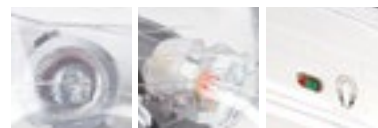- Energy efficient – consumes less than 3W in AC or DC mode

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EMERGI-LITE®

Survive-All™ SV Series

NEMA-4X, NSF, Vandal-Resistant Housing Battery Unit

UL · NSF · nexus · NEMA-4X · ADVANCED AD DIAGNOSTICS

Features

- Equipped with a tool-less MR16 swivel lamp assembly to provide precise beam control. Choice of MR16 LED or halogen lamps of 6V and 12V
- Fully gasketed cast aluminum back plate with clear, UV resistant polycarbonate cover. Tamper-proof screws and bit are included. Available in black, white or gray
- Standard temperature 50°F to 104°F (10°C to 40°C).
- Available with sealed, maintenance-free Nickel-Cadmium (UL Listed for damp and wet locations), or Lead-Calcium batteries
- Standard 120/277VAC 0.3/0.15A input. Non-audible advanced diagnostic charger board, 15 minute Time Delay and lamp disconnect. Audible warning and Time Delay functions can be enabled or disabled during installation. Non-obtrusive, magnetic test switch. Microprocessor diagnostic system tests, detects and indicates battery, charger circuitry or MR16 lamp failures.
- Wall, strut or beam mounting. Not intended for ceiling mount
- UL924 Listed
- NSF Certified for use in food processing plants
- 3-year limited warranty
  Detailed warranty terms located at: www.emergi-lite.com/usa/files/EL_Warranty.pdf

Accessories (order as a separate item)

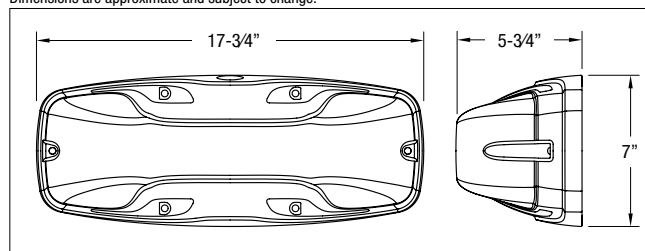| DESCRIPTION	PART NUMBER
Additional special bit for tamper-proof screws	690.0454-E
Universal bracket (for mounting on poles, I-beams or strut metal framing)	PMK-E

Applications

- Hosedown areas / car washes
- Food processing / preparation facilities
- Marine locations
- Chemical plants
- Schools and other public facilities
- Parking garages
- Food processing / preparation facilities
- Transit platforms
- Sports arenas / swimming pools
- Security areas / prisons
- Warehouse and cold storage facilities
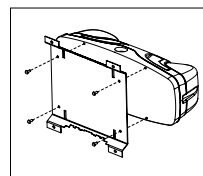- Heavy industrial facilities

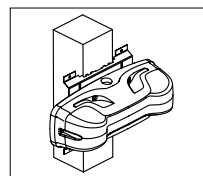Note: Units installed outdoors must be in a shaded area (Lead-Calcium batteries)

Dimensions

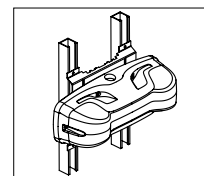Dimensions are approximate and subject to change.

17-3/4" · 5-3/4" · 7"

Universal Bracket

PMK KIT (screws included) · BEAM MOUNTING · STRUT MOUNTING

Unit Rating

UNIT EQUIPMENT - WITH REMOTE CAPABILITY				
Sealed Maintenance-Free Battery Types	Watts to 87-1/2% of rated battery voltage*			
	1-1/2 hrs	2 hrs	3 hrs	4 hrs
Lead-Calcium	18	12	8	–
	24	16	12	8
	36	24	20	14
	54	36	27	20
Nickel-Cadmium	24	18	12	8
	40	27	20	14
Nickel-Metal Hydride	60	40	30	20

* National Electrical Code Specification.

How to Order

COLOR	SERIES	# OF LAMPS	LAMPS	DIAGNOSTICS	OPTIONS
B= Black G= Gray W= White	SV18M= 6V-18W Lead-Calcium 12SV24M= 12V-24W Lead-Calcium 12SV36M= 12V-36W Lead-Calcium 12SV54M= 12V-54W Lead-Calcium 12SV24N= 12V-24W Nickel-Cadmium* 12SV40N= 12V-40W Nickel-Cadmium* 12SV60H= 12V-60W NiMH*	-2= 2 Lamps	LA= 6V-4W, MR16 LED LG= 12V-4W, MR16 LED LI= 12V-5W, MR16 LED LJ= 12V-6W, MR16 LED MI= 6V-6W, MR16 MK= 12V-12W, MR16 MW= 12V-20W, MR16-IR	-DA= Advanced Diagnostics (audible)* -D= Advanced Diagnostics (non-audible)* -NEX= NEXUS® wired -NEXRF= NEXUS® wireless	Blank= No options CW4= Cold weather -40°F to 104°F (-40°C to +40°C)* -SCM= Surface ceiling mount kit
	*= Suitable for Damp-Locations 50°F to 104°F (10°C to 40°C)			* Minimum lamp load: 20% of unit capacity	* Only available with: 12SV24M, 12SV36M & 12SV24N NEX & NEXRF: 12SV24M & 12SV36M

Example: **B12SV36M-2LG-DCW4**

TYPE: _____

CATALOG #: _____

_____

NOTES: _____

NEMA-4X (UL) (NSF)

Survive-All™
EF39 & EF40 Series
EF39: NEMA-4X & NSF Certified
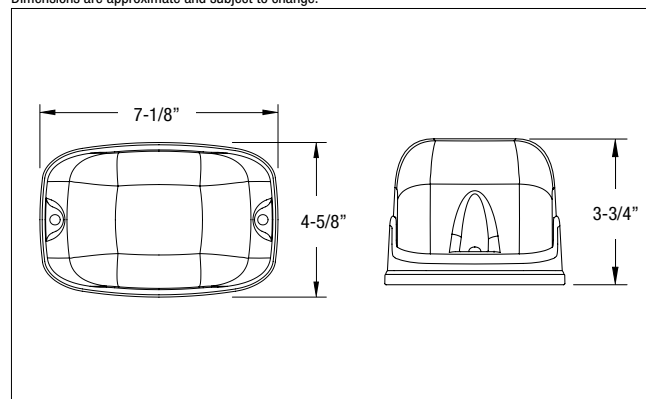## EF40: Vandal Resistant

Features

- Fully gasketed with a selection of cast aluminum or polycarbonate back plate
- Clear polycarbonate UV and impact resistant-lens
- Choice of single or double lamp models
- Available in 6, 12 and 24V models MR16 or LED
- Easy lamp replacement
- EF39 comes standard with tamper-proof screws and bit
- NSF Certified for food processing plants
- NEMA-4X Certified
- EF39P and EF40P require mounting plate option when installed on surface mount junction box
- CSA Certified to C22.2 No. 141
- Suitable for indoor/outdoor installation
- UL924 Listed
- 3-year limited warranty
  Detailed warranty terms located at: www.emergi-lite.com/usa/files/EL_Warranty.pdf

Dimensions

Dimensions are approximate and subject to change.

7-1/8" 4-5/8" 3-3/4"

Accessories (order as a separate item)

DESCRIPTION	PART NUMBER
Additional special bit for tamper-proof screws	690.0454-E

How to Order EF39 Series

SERIES	LAMP TYPE/WATTAGE		LAMP TYPE	OPTION
EF39P= All polycarbonate single head NEMA-4X **EF39PD**= All polycarbonate double head NEMA-4X	**(MI)**= 6V-6W, MR16 **(MJ)**= 6V-10W, MR16 **(MK)**= 12V-12W, MR16 **(MS)**= 24V-12W, MR16	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LL)**= 24V-4W, MR16 LED **(LJ)**= 12V-6W, MR16 LED	**Blank**= White **-BK**= Black **-GY**= Gray	**SM**= Mounting plate

Example: **EF39P(LG)-BK**

SERIES	LAMP TYPE/WATTAGE		LAMP TYPE
EF39= Die-Cast back plate single head NEMA-4X **EF39D**= Die-Cast back plate double head NEMA-4X	**(MI)**= 6V-6W, MR16 **(MJ)**= 6V-10W, MR16 **(MK)**= 12V-12W, MR16 **(MS)**= 24V-12W , MR16 **(MD)**= 24V-20W, MR16 **(MW)**= 12V-20W, MR16-IR	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LL)**= 24V-4W, MR16 LED **(LJ)**= 12V-6W, MR16 LED	**Blank**= White **-BK**= Black **-GY**= Gray

Example: **EF39(LG)-BK**

How to Order EF40 Series

SERIES	LAMP TYPE/WATTAGE		LAMP TYPE	OPTIONS
EF40P= All polycarbonate single head for dry location **EF40PD**= All polycarbonate double head for dry location	**(MI)**= 6V-6W, MR16 **(MJ)**= 6V-10W, MR16 **(MK)**= 12V-12W, MR16 **(MS)**= 24V-12W, MR16	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LL)**= 24V-4W, MR16 LED **(LJ)**= 12V-6W, MR16 LED	**Blank**= White **-BK**= Black **-GY**= Gray	**Blank**= No options **T**= Tamper proof screws **SM**= Mounting plate

Example: **EF40P(MK)**

SERIES	LAMP TYPE/WATTAGE		LAMP TYPE	OPTIONS
EF40= Die-Cast back plate single head for dry location **EF40D**= Die-Cast back plate double head for dry location	**(MI)**= 6V-6W, MR16 **(MJ)**= 6V-10W, MR16 **(MK)**= 12V-12W, MR16 **(MS)**= 24V-12W , MR16 **(MD)**= 24V-20W, MR16 **(MW)**= 12V-20W, MR16-IR	**(LA)**= 6V-4W, MR16 LED **(LG)**= 12V-4W, MR16 LED **(LI)**= 12V-5W, MR16 LED **(LL)**= 24V-4W, MR16 LED **(LJ)**= 12V-6W, MR16 LED	**Blank**= White **-BK**= Black **-GY**= Gray	**Blank**= No options **T**= Tamper proof screws

Example: **EF40D(MD)**

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Survive-All™ SVX Series
NEMA-4X, Vandal Resistant and Harsh Environment Combination Unit

Features

- Each unit comes with two (2) MR16 high intensity lamps (standard). Fully field-adjustable lamp head assembly offers the option of selecting either a halogen lamp or a high efficiency white LED light source for optimum illumination over the path of egress. Exit light source LED
- Rugged PVC body will not dent, peel or corrode. The sealed faceplate is constructed with a heavy duty, vandal-resistant polycarbonate cover and fastened with stainless steel tamper-resistant screws
- Available with sealed, maintenance-free Nickel-Cadmium batteries
- This circuitry is programmed to ensure the exit combination unit's readiness and reliability by continuously monitoring every critical function of the unit. If a problem occurs, a single "Service Required" indicator illuminates immediately. A detailed diagnostic display that will further indicate the nature of the fault is located on the inside of the exit sign, out of sight from the general public. The self test will check the unit for a minimum of 30 seconds every 30 days, 30 minutes every 60 days and 90 minutes annually. PulsePlus Charger circuitry offers 120/277 volt input 60 Hz, 0.3/0.15 Amps (other inputs available), fused output circuit(s), dual diagnostic indicator lights, temperature compensated charger, sealed relay, low voltage battery disconnect, brownout protection and lockout (automatic battery connect). Magnetically operated test switch
- Can be wall, end or ceiling mounted
- UL924 Listed
- NSF Certified for use in food processing plants
- 5-year limited warranty
  Detailed warranty terms located at: www.emergi-lite.com/usa/files/EL_Warranty.pdf

Accessories (order as a separate item)

DESCRIPTION	PART NUMBER
Additional special bit for tamper-proof screws	690.0454-E
Additional test magnet	199.0133-E

Applications

- Hosedown areas / car washes
- Food processing / preparation facilities
- Marine locations
- Chemical plants
- Schools and other public facilities
- Parking garages
- Transit platforms
- Sports arenas / swimming pools
- Security areas / prisons
- Warehouse and cold storage facilities
- Heavy industrial facilities

Note: Units installed outdoors must be in a shaded area (Lead-Calcium batteries)
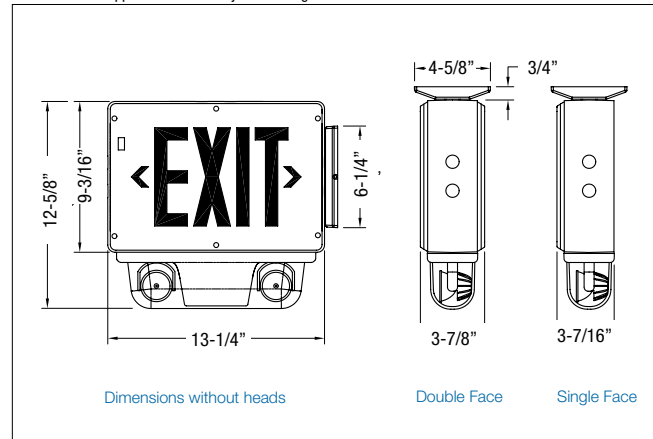
Dimensions

Dimensions are approximate and subject to change.

Dimensions without heads

4-5/8"   3/4"

Double Face   Single Face

3-7/8"   3-7/16"

Unit Rating

Sealed Maintenance-Free Battery Types	Watts to 87-1/2% of rated battery voltage*			
	1-1/2 hrs	2 hrs	3 hrs	4 hrs
Nickel-Cadmium	12	9	–	–
	24	18	12	9

* National Electrical Code Specification.

Power Consumption

Model	AC Specs		DC Specs (90 minutes)	
SVX12N	120/277VAC	0.12/0.06A 13W	6V	12W
SVX24N	120/277VAC	0.17/0.08A 19W	12V	24W

How to Order

HOUSING/FACE COLOR	SERIES/ CAPACITY	FACES	LEGEND COLOR	DIAGNOSTICS	HOUSING	# OF HEADS	LAMP TYPE/ WATTAGE	OPTIONS
WW= White/white **WB**= White/black **WA**= White/ aluminum **BB**= Black/black **BW**= Black/white **BA**= Black/ aluminum **GA**= Gray/ aluminum **GW**= Gray/white **GB**= Gray/black	**SVX12N**= 6V-12W **SVX24N**= 12V-24W	**1**= Single face **2**= Doubleface	**R**= Red legend **G**= Green legend	**DA**= Advanced Diagnostics (audible) **D**= Advanced Diagnostics (non-audible) **NEX**= NEXUS® wired * **NEXRF**= NEXUS® wireless* * Consult your sales representative	**4X**= Wet/ Damp Locations	**Blank**= 0 heads* **2**= Two heads * A remote load must be connected. NRI option no remote required	**LA**= 6V-4W, MR16 LED **LG**= 12V-4W, MR16 LED **LI**= 12V-5W, MR16 LED **LJ**= 12V-6W, MR16 LED **MI**= 6V-6W, MR16 **MK**= 12V-12W, MR16	**Blank**= No options **CW4**= Cold weather (-40°F/-40°C)* **FA**= Flasher (fire alarm activated) **FB**= Flasher/buzzer (AC power failure) **FL**= Flasher (AC power failure) **-208V**= 208VAC, 60Hz input **-240V**= 240VAC, 60Hz input **-208V50HZ**= 208VAC, 50Hz input **-CM**= Canopy pendant mount * Single face only

Example: **WWSVX12N1RD4X2LGCW4**

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TYPE: _____

CATALOG #: _____

_____

NOTES: _____

UL · NSF · nexus® · NEMA-4X · AD ADVANCED DIAGNOSTICS

Survive-All™ SVX Exit Series
NEMA-4X Rated and UL Listed for Wet and Damp Locations

Features

Reliability

The Survive-All™ SVX Series has a 5-year limited warranty, including light source
Detailed warranty terms located at: www.emergi-lite.com/usa/files/EL_Warranty.pdf

Unit Data - NEMA-4X* Rated

Rugged polyvinyl chloride body will not dent, peel, rust or corrode. The sealed faceplate is constructed of heavy duty, vandal-resistant polycarbonate and features an evenly illuminated legend. The fully gasketed faceplate is fastened with stainless steel tamper-resistant screws. Magnetically operated test switch. Models can be wall, or ceiling mounted. Legend and chevron complies with UL and CSA requirements.

Survive-All™ SVX Series signs are unaffected by the vibrations, ambient temperature swings and typical power surges detrimental to standard exit light sources.

NEMA 4X* Rated. UL924 Listed. Listed for wet and Damp Locations 50°F to 104°F (+10°C/+40°C)
5-year limited warranty
Detailed warranty terms located at: www.emergi-lite.com/usa/files/EL_Warranty.pdf
* Nema-4X Certified for wall or ceiling mounting only

Accessories (order as a separate item)

DESCRIPTION	PART NUMBER
Tamper-proof bit	690.0454-E
Convert single to double face, red	DFKR*
Convert single face to double face, green	DFKG*

* Colors available AL-BK-WT

Applications

- Hosedown areas / car washes
- Food processing / preparation facilities
- Marine locations
- Chemical plants
- Schools and other public facilities
- Parking garages
- Food processing / preparation facilities
- Transit platforms
- Sports arenas / swimming pools
- Security areas / prisons
- Warehouse and cold storage facilities
- Heavy industrial facilities

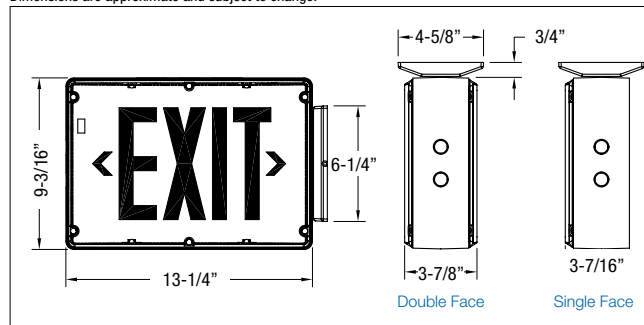Note: Units installed outdoors must be in a shaded area (Lead-Calcium batteries)

Dimensions

Dimensions are approximate and subject to change.

Double Face · Single Face

4-5/8" · 3/4" · 9-3/16" · 6-1/4" · 13-1/4" · 3-7/8" · 3-7/16"

High Performance Circuitry

- Self Contained – Batteries and circuitry located inside the exit housing.
- Continuous self-diagnostic monitoring and monthly self testing.
- Fully automatic charger is solid state.
- AC, AC/DC and Self-Powered Models have universal, 2-wire input 120V to 277VAC 50/60 Hz.
- Sealed, maintenance-free Nickel-Cadmium battery provides 90 minutes of emergency operation.
- Battery recharges per UL924 requirements.
- Each unit comes standard with one tamper-proof driver bit.

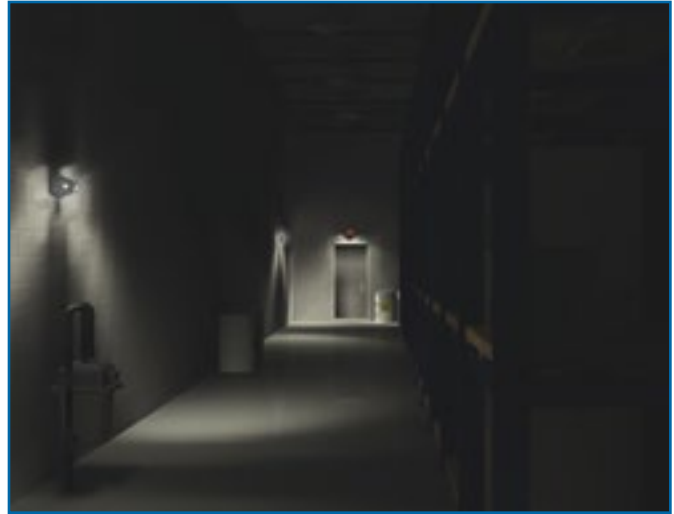## Power Consumption (LED Exit Signs)

Model	AC Specs		DC Specs	
AC-only	120 to 277VAC	1.2W	–	–
AC/DC	120 to 277VAC	1.2W	6 to 24VDC	Less than 1.5W
Self-Powered	120 to 277VAC	3.7W	Nickel-Cadmium	Min. 90 minutes

How to Order

HOUSING COLOR	SERIES	FACE	LEGEND	DIAGNOSTIC	HOUSING	OPTIONS
BB= Black/black **BW**= Black/white **BA**= Black/aluminum **GB**= Gray/black **GW**= Gray/white **GA**= Gray/aluminum **WB**= White/black **WW**= White/white **WA**= White/aluminum	**SVX**= AC only **SVXN**= Self-Powered Ni-Cd	**1**= Single **2**= Double	**R**= Red **G**= Green	**Blank**= AC only **D**= Diagnostic (Self-Powered only) **NEX**= NEXUS® wired **NEXRF**= NEXUS® wireless	**4X**= Wet/Damp Locations*	**Blank**= No options **2CKT**= Dual circuit (AC only)* **CW**= Cold weather (Self-Powered -4°F to 104°F / -20°C to 40°C) (AC/DC -40°F to 104°F, -40°C to 40°C) **DC**= 6 to 24VDC** **FA**= Fire alarm activated flasher* **FL**= Flasher only* **FZ**= Flasher/buzzer (Self-Powered only)* **-CM**= Canopy Pendant mount
					* NEMA 4X rated for wall or ceiling mount only	*Not available with Nexus® option **Not available with Self-Power

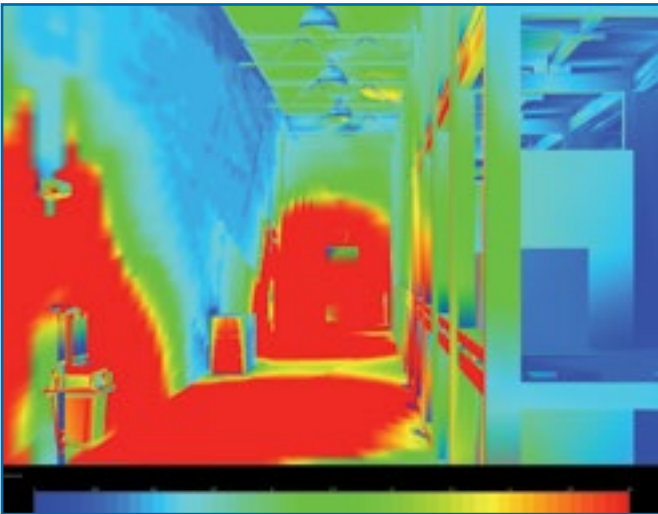Example: **BBSVXN1RD4X-FA**

EMERGI-LITE®

PHOTOMETRICS

The Emergi-lite® NEMA-4X Series of emergency lighting sets an impressive new standard for center-to-center path of egress illumination. Battery units and remote fixtures illuminate an egress path 89-feet long, center-to-center, and 6-feet wide (using 2-6W MR16 LED lamps). Photometric data based on a 7.5-foot mounting height, minimum 80-50-20 reflectance values and 12V-6W lamps.
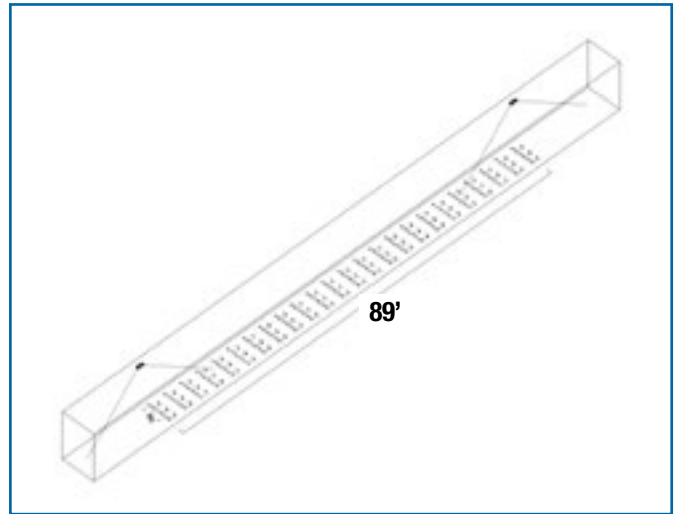

3D image showing installation of two SV Series battery units and a SVX combo unit in an industrial application under normal lighting conditions.

3D image lighting rendering showing installation of two SV Series battery units and a SVX combo unit in an industrial application under emergency lighting conditions.

3D light level colored scale image showing egress illumination pattern generated by two SV Series battery units and a SVX combo unit.

89'

ISO curve on a point-by-point grid of two SV Series battery units with 2-6W MR16 LED lamps per unit.

NOTE: Photometric results shown are based on a simulation using the AGI32 software with a 1 foot-candle average and 0.1 foot-candle minimum with a 40:1 maximum-minimum ratio. Emergi-Lite® assumes no responsibility for local requirements or specific project variables. This is a guideline to be used as a design aid, not a guarantee of any code compliances

Notes

EMERGI-LITE ®

ON THE PROJECT, ON THE SHELF, ON THE JOB

www.emergi-lite.com

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