



2023 CATALOG

Evan Delaporte
Founder
(800) 282-5600
evan@thelightsource.co

CLASSIC SERIES PLASTIC EMERGENCY LIGHT



OVERVIEW

The Classic Series is by far the industry's most popular design for a simple, affordable, and compliant emergency light. Classic Series egress lighting units are designed for indoor commercial use. It's a popular fixture for all types of applications including office, residential, retail, and industrial projects. Two, easy to adjust 6V 5.4W incandescent lamps provide reliable illumination.

The Classic features a 90-minute emergency run time and a push button for easy testing of the battery backup system. Available in black or white, the Classic Series is an easy to install, affordable emergency light.

You can help to enable the safest environment possible by properly installing and maintaining emergency egress lighting per local, state, and national safety code requirements.

Choose the SDT option (self-testing) to further improve the maintenance profile and reliability of a building's emergency egress lighting system while lessening human responsibility on testing the system's functionality.

The Classic Series, or CLS, satisfies UL 924, ETL, and CSA compliance requirements so it is guaranteed to be compliant for use throughout the United States and Canada.

EXTERNAL SPECIFICATIONS

The CLS is constructed from a durable and flame-retardant thermoplastic that is corrosion resistant. This emergency light comes standard in white, but is also available with a black finish.

INTERNAL SPECIFICATIONS

The Classic is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

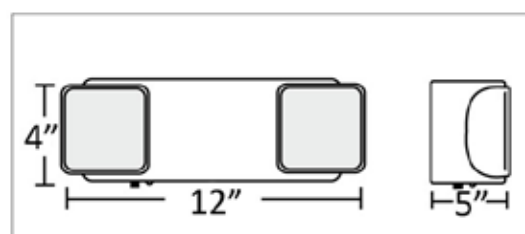
LAMP SPECIFICATIONS

Emergency lamps are positioned on a ratcheting track for easy and accurate positioning. The lamp heads feature 6V 5.4W wedge-base incandescent lamps that can be upgraded to 6V 9W lamps.

HIGH WATTAGE LAMPS (HWL OPTION)

High-powered 9W lamps (HWL option) are an option available only when ordered in conjunction with RC (remote capable) option as well.

DIMENSIONS





ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

CODE COMPLIANCE

The Classic emergency light is compliant with building and fire code regulations throughout the United States and Canada. ETL Listed to UL 924. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved.



WARRANTY

The Classic Series comes with a three-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

ORDERING INFORMATION

Series	Housing Color	Options (may be combined)
CLS	W (white) B (black)	SDT (self-diagnostic testing) RC (remote capable) HWL (9W lamps) CS10 (10-foot plug-in cord)

BATTERY SPECIFICATIONS

This emergency light is outfitted with a maintenance free, sealed valve regulated lead acid battery. The battery features a 24-hour recharge time and provide 90-minutes of emergency run time. Comes standard with a current charge regulator.

This emergency light comes with a 6V 4.5Ah battery. Simply press the external test button to satisfy monthly and yearly testing requirements. A 6V 7Ah battery is provided when the Self-Diagnostic Testing (SDT) option is ordered.

SELF-DIAGNOSTIC TESTING (SDT OPTION)

SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

REMOTE CAPABILITY (RC OPTION)

The Classic Series RC option allows the fixture to operate multiple lamp heads that are located away from the fixture. Utilizing the remote capability option eliminates installation of more individual fixtures and decreases the number of batteries to be maintained.

INSTALLATION

Thermoplastic emergency lights are for indoor installation onto normally inflammable surfaces. The Classic Series is relatively easy to install.

The unit comes with detailed instructions and features a snap-together housing to make installation quicker. Connect either 120 or 277V AC power into the unit, connect the battery, and let the fixture charge for 24 hours.

CLX SERIES THERMOPLASTIC LED EXIT SIGN



Optional black finish

OVERVIEW

The CLX is part of the Classic Series line of emergency egress fixtures. This LED exit sign is one of the most popular models offered today. Efficient and affordable, the CLX is UL Listed and approved for use throughout the United States and Canada. It's simple to install and has a lifespan of 8 to 10 years.

The battery backup model features a 90-minute battery system for emergency operation during power outages. A push button allows for easy testing of the battery backup. White or black housing colors are available.

EXTERNAL SPECIFICATIONS

The CLX Series housing is constructed from a durable and flame-retardant thermoplastic that is corrosion resistant. This LED exit sign comes standard in white, but is also available with a black finish. The universal mounting bracket is easy to snap-on to the back, top, or side of the fixture.

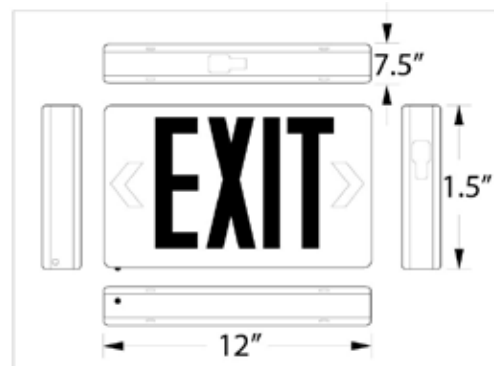
INTERNAL SPECIFICATIONS

The CLX is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

LED SPECIFICATIONS

Red or green LED illumination consumes less than 1 watt electricity at all times. Maintenance-free LED technology features an expected LED lifespan is up to 15 years.

DIMENSIONS





Green LED model

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

COMPLIANCE

The CLX Series emergency light is compliant with building and fire code regulations throughout the United States and Canada. ETL Listed to UL 924. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved.



WARRANTY

The CLX Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

SELF-DIAGNOSTIC TESTING (SDT OPTION)

SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

BATTERY BACKUP SYSTEM

The CLX features a maintenance free, nickel cadmium exit sign battery. The battery features a 24-hour recharge time and provides 90-minutes of emergency run time. Comes standard with a current charge regulator. Simply press the external test button to satisfy monthly and yearly testing requirements.

REMOTE CAPABILITY (RC OPTION)

The RC option allows the fixture to operate multiple lamp heads that are located away from the fixture. Utilizing the remote capability option eliminates installation of more individual fixtures and decreases the number of batteries to be maintained.

INSTALLATION

Plastic LED exit signs, like the CLX Series, are only for indoor installation onto normally inflammable surfaces. Make sure to charge the unit for at least 24 hours before testing the battery backup system.

Relatively easy to install, the unit comes with detailed instructions and features a snap-together housing and universal mounting bracket to make installation quicker. Use the included mounting bracket for top (ceiling) mounting configuration.

ORDERING INFORMATION

Series	Letter Color	Housing Color	Operation	Options
CLX	R (red)	W (white)	BB (battery backup)	SDT (self-diagnostic testing)
	G (green)	B (black)	AC (AC only)	RC (remote capable) 2CK (AC-only dual-circuit) CS10 (10-foot cord set)

**TWIN SERIES
COMBO LED EXIT SIGN & EMERGENCY LIGHTS**



OVERVIEW

The Twin Series is one of the most popular fixtures offer and is always available to ship immediately. Combination exit sign with emergency light models, like this one, satisfy two building code requirements with just one fixture. When faced with installing an exit sign and an emergency light in the same location, choose a combo model.

Exit signs are required to be installed throughout all types of commercial buildings in North America. Emergency lights work hand in hand with exit signs by providing illumination along the path of egress. These safety lighting fixtures work together to create a quick and effective system for evacuating a building during an emergency.

Combo models have gained popularity over the last 20 years because there is just one fixture and battery to maintain, instead of two.

EXTERNAL SPECIFICATIONS

The housing is constructed from a durable and flame-retardant thermoplastic that is corrosion resistant. This LED exit sign combo comes standard in white, but is also available with a black finish. The universal mounting bracket is easy to snap-on to the back or top of the sign.

INTERNAL SPECIFICATIONS

The Twin Series is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

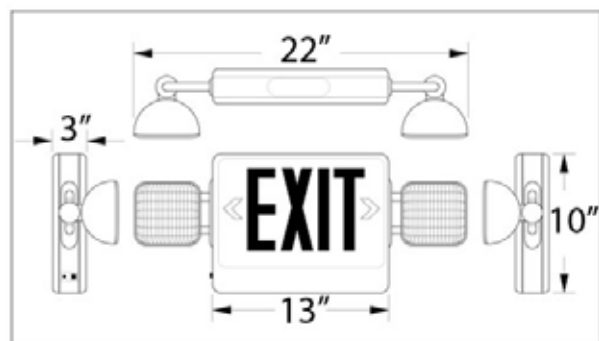
LED "EXIT" LIGHT SPECIFICATIONS

Red or green LED illumination consumes less than 5 watts electricity at all times. Maintenance-free LED technology features an expected LED lifespan is up to 15 years.

LAMP SPECIFICATIONS

Emergency lights utilize 6V 5.4W wedge-base incandescent lamps that provide powerful emergency illumination. 9W lamps (HWL option) are an option available only when ordered in conjunction with RC (remote capable) option as well.

DIMENSIONS





Twin Exit Sign Combo - Green Letters

SELF-DIAGNOSTIC TESTING (SDT OPTION)

SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

CODE COMPLIANCE

The Twin Series emergency light is compliant with building and fire code regulations throughout the United States and Canada. UL924 for USA and CUL for Canada. CSA Listed. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved.



WARRANTY

The Twin Series comes with a three-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

BATTERY BACKUP SYSTEM

The Twin Series features a maintenance free, 6V 4.5-amp sealed lead acid exit sign battery. The battery features a 24-hour recharge time and provides 90-minutes of emergency run time. Comes standard with a current charge regulator. Simply press the external test button to satisfy monthly and yearly testing requirements.

INSTALLATION

Plastic exit sign combo fixtures, like the Twin Series, are only for indoor installation onto normally inflammable surfaces. Make sure to charge the unit for at least 24 hours before testing the battery backup system.

Relatively easy to install, the unit comes with detailed instructions and features a snap-together housing and universal mounting bracket to make installation quicker. Use the included mounting bracket for top (ceiling) mounting configuration.

REMOTE CAPABILITY (RC OPTION)

The Twin Series' RC option allows the fixture to operate multiple lamp heads that are located away from the fixture. This is achieved through the factory installation of a second, 6V 4.5Ah battery.

Properly utilizing the Twin's remote capability option creates the most efficient and affordable emergency lighting/exit sign system, both now and in the future. Eliminate the installation of additional individual fixtures and decrease the number of batteries to be maintained by using the Remote Capability option.

ORDERING INFORMATION

Series	Housing Color	Letter Color	Options (may be combined)
TWIN	W (white) B (black)	R (red) G (green)	RC (remote capable) SDT (self-diagnostic testing) HWL* (9W lamps)

*only available on models also ordered with the RC (remote capable) option

**MINI SERIES
ROUND LED EMERGENCY LIGHT WITH NI-CAD BATTERY**



OVERVIEW

Our MINI Series LED emergency light is the most compact and efficient emergency light available today. A nickel-cadmium battery provides emergency power illumination to (2) LED emergency lamps. The LED lamps require 1/4 the electrical power of standard emergency lights, reducing the size of the unit and improving the maintenance profile.

MINI Series LED emergency lamps will never need replacement and the Ni-Cad emergency light battery lasts for 5-7 years.

The MINI Series LED emergency light is constructed from white thermoplastic and features adjustable lamp heads that are gyroscopically mounted for easy positioning. The MINI Series LED emergency light surface mounts to normally inflammable ceilings and walls.

A simple push button allows easy testing of the emergency light's Ni-Cad emergency light battery. The MINI is UL Listed and comes complete with a three-year warranty.

EXTERNAL SPECIFICATIONS

The MINI Series LED emergency light is constructed from flame and corrosion resistant ABS thermoplastic. The housing comes standard in white, and is also available in black.

LED LAMP INFORMATION

The 1.5 watt LED lamps produce the same illumination levels as a standard 5.4 watt incandescent emergency lamp.

The lamps are easy to adjust and are gyroscopically mounted so they can be positioned at the most ideal angle for illuminating the path of egress. It's easiest to adjust the lamps when the unit is in emergency mode; as this allows the installer to review the illumination area of the MINI LED emergency light.

LED SPECIFICATIONS

- **Lamp Type:** LED
- **Lamp Shape:** PAR36
- **Lamp Wattage:** 1.5W
- **Color Temperature:** 5000K
- **Lifespan:** 50,000+ Hours

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

HIGH LUMEN PACKAGE (HL OPTION)

An array of 8 LED chips are used in each of the units two lamp heads. Choosing the HL option increases the lumen output by 50% per lamp. This is achieved by increasing the number of LED chips in each lamp head from 8 to 12.

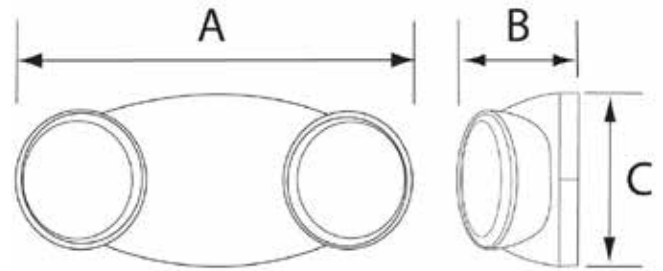
SELF-DIAGNOSTIC TESTING (SDT OPTION)

SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

BATTERY SPECIFICATIONS

The MINI Series uses a 3.6V Nickel Cadmium emergency light battery. Provides a minimum 90 minutes of emergency power to the (2) MINI Series LED emergency lamps.

DIMENSIONS



Series	A	B	C
MINI	10.0"	2.75"	4.7"

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Damp Locations.



WARRANTY

This LED emergency light comes with a three-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

ORDERING INFORMATION

Series	Lamp	Housing	Options (may be combined)
MINI	L (LED)	W (white) B (black)	HL (high lumen package) SDT (self-diagnostic testing) CS10 (10-foot plug-in cord) RC (remote capable) 120M (120-minute run time)

MINI-SQ SERIES SQUARE LED EMERGENCY LIGHT WITH NICAD BATTERY



OVERVIEW

Our MINI-SQ emergency light is one of the most compact and efficient emergency light available today. A nickel-cadmium battery provides emergency power illumination to (2) LED emergency lamps. The LED lamps require 1/4 the electrical power of standard emergency lights, reducing the size of the unit and improving the maintenance profile.

The square-shaped LED emergency lamps last for up to 100,000 hours and the Ni-Cad emergency light battery lasts for 5-7 years.

The MINI-SQ emergency light is constructed from white thermoplastic and features adjustable lamp heads that are gyroscopically mounted for easy positioning. The MINI-SQ emergency light surface mounts to normally inflammable ceilings and walls.

A simple push button allows easy testing of the emergency light's Ni-Cad emergency light battery. The MINI-SQ emergency light is UL Listed and comes complete with a five-year warranty.

EXTERNAL SPECIFICATIONS

The MINI-SQ emergency light is constructed from flame and corrosion resistant ABS thermoplastic. The housing comes standard in white, and is also available in black.

The lamps are easy to adjust and are gyroscopically mounted so they can be positioned at the most ideal angle for illuminating the path of egress.

LED LAMP SPECIFICATIONS

The LED lamps for this emergency light use less than 3 watts of electricity to produce the same illumination levels as a standard 5.4 watt incandescent emergency lamp.

LED SPECIFICATIONS

- **Lamp Type:** LED
- **Lamp Shape:** Square
- **Lamp Wattage:** 1.15W
- **Color Temperature:** 5000K
- **Lifespan:** 50,000+ Hours

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

SELF-DIAGNOSTIC TESTING (SDT OPTION)

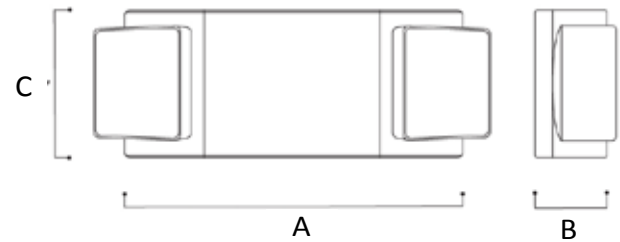
SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

REMOTE CAPABILITY (RC OPTION)

The MINI-SQ Series RC option allows the fixture to operate multiple lamp heads that are located away from the fixture. Utilizing the remote capability option eliminates installation of more individual fixtures and decreases the number of batteries to be maintained.

BATTERY SPECIFICATIONS

The MINI Series uses a 3.6V Nickel Cadmium emergency light battery. Provides a minimum 90 minutes of emergency power to the (2) MINI Series LED emergency lamps.



DIMENSIONS

Wattage	A	B	C
1.8 watts	10.5"	3.5"	3.25"

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Damp Locations.



WARRANTY

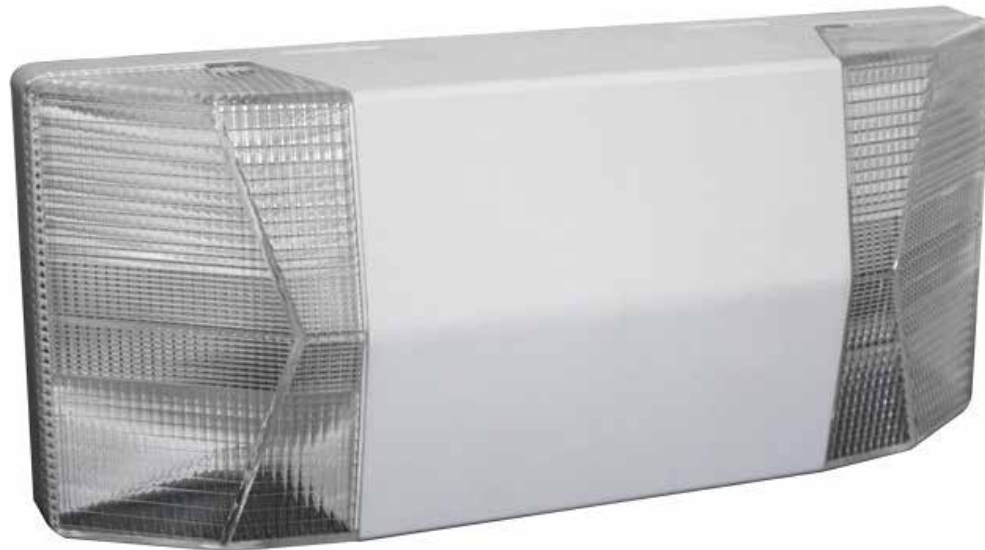
This LED emergency light comes with a three-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

ORDERING INFORMATION

Series	Lamp	Housing	Options (may be combined)
MINI-SQ	L (LED)	W (white) B (black)	RC (remote capability) SDT (self-diagnostic testing) CS10 (10-foot plug-in cord) 120M (120-minute run time)

CPEL SERIES

LOW PROFILE HALOGEN COMPACT EMERGENCY LIGHT



OVERVIEW

Our CPEL emergency light is one of the most compact and efficient emergency light available today. A nickel-cadmium battery provides emergency power illumination to (2) MR11 emergency lamps. The MR11 lamps produce 5W of halogen light, reducing the size of the unit and improving the maintenance profile.

The compact emergency light sealed lead acid battery lasts for 5-7 years.

The CPEL emergency light is constructed from white thermoplastic and features adjustable lamp heads that are gyroscopically mounted for easy positioning. The CPEL emergency light surface mounts to normally inflammable ceilings and walls.

A simple push button allows easy testing of the emergency light's sealed lead acid battery. The CPEL emergency light is UL Listed and comes complete with a five-year warranty.

EXTERNAL SPECIFICATIONS

The CPEL emergency light is constructed from flame and corrosion resistant ABS thermoplastic. The housing comes standard in white, and is also available in black.

The lamps are easy to adjust and are gyroscopically mounted so they can be positioned at the most ideal angle for illuminating the path of egress.

MR11 LAMP SPECIFICATIONS

The MR11 lamps for this emergency light use less than 5 watts of electricity to produce the same illumination levels as a standard 5.4 watt incandescent emergency lamp.

LED SPECIFICATIONS

- **Lamp Type:** Halogen MR11
- **Lamp Shape:** Round
- **Lamp Wattage:** 5W
- **Color Temperature:** 3500K
- **Lifespan:** 2,000+ Hours

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

SELF-DIAGNOSTIC TESTING (SDT OPTION)

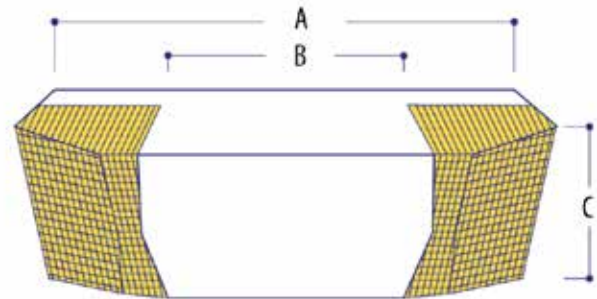
SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

REMOTE CAPABILITY (RC OPTION)

The CPEL Series RC option allows the fixture to operate multiple lamp heads that are located away from the fixture. Utilizing the remote capability option eliminates installation of more individual fixtures and decreases the number of batteries to be maintained.

BATTERY SPECIFICATIONS

The CPEL Series uses a 6V 4.5AH sealed lead acid emergency light battery. Provides a minimum 90 minutes of emergency power to the (2) Halogen MR11 emergency lamps.



DIMENSIONS

Wattage	A	B	C
10.0 watts	11.5"	5.0"	3.00"

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Damp Locations.



WARRANTY

This Halogen emergency light comes with a three-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

ORDERING INFORMATION

Series	Housing	Options (may be combined)
CPEL	W (white) B (black)	RC (remote capability) SDT (self-diagnostic testing) CS10 (10-foot plug-in cord)

SLIMLINE SERIES LOW PROFILE PLASTIC LED EXIT SIGN



OVERVIEW

The Slimline Series indoor commercial LED Exit Sign is the newest and lowest profile LED exit sign that we offer. It is popular for restaurants, retail, and other applications where a compact, yet compliant, exit sign is needed.

LED exit signs are the most popular alternative to conventional exit signs that use (2) 15W light bulbs. Needing less than 5W of electricity, the Slimline Series LED exit sign can reduce energy consumption by more than 80%.

This exit sign makes compliance affordable and works for all types of applications. Quality is not sacrificed for a lower bottom line, all Slimline Series exit signs are UL 924 fire and building code compliant for the United States.

The battery backup model features a 90-minute battery system for emergency operation during power outages. A push button allows for easy testing of the battery backup. White or black housing colors are available.

EXTERNAL SPECIFICATIONS

The Slimline Series housing is constructed from a durable and flame-retardant thermoplastic that is corrosion resistant. This LED exit sign comes standard in white, but is also available with a black finish. The universal mounting bracket is easy to snap-on to the back, top, or side of the fixture.

BATTERY BACKUP SYSTEM

The battery backup model for the Slimline is outfitted with a maintenance free, nickel cadmium exit sign battery. The battery features a 24-hour recharge time and provide 90-minutes of emergency run time. Comes standard with a current charge regulator.

INTERNAL SPECIFICATIONS

The Slimline is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

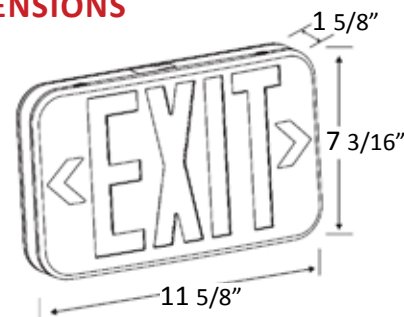
LED SPECIFICATIONS

Red or green LED illumination consumes less than 5 watts electricity at all times. Maintenance-free LED technology features an expected LED lifespan is up to 15 years.

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

DIMENSIONS





Slimline LED Exit Sign - Green Letters

SELF-DIAGNOSTIC TESTING (SDT OPTION)

Self-Diagnostic Testing (SDT option) increases the reliability and decreases maintenance needs of emergency lighting systems. The SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

SDT increases the effectiveness of maintenance/facilities staff members by reducing the amount of time and labor spent on monthly testing/maintenance a building’s emergency lighting system.

INSTALLATION

Plastic exit sign combo fixtures, like the Twin Series, are only for indoor installation onto normally inflammable surfaces. Make sure to charge the unit for at least 24 hours before testing the battery backup system.

Relatively easy to install, the unit comes with detailed instructions and features a snap-together housing and universal mounting bracket to make installation quicker. Use the included mounting bracket for top (ceiling) mounting configuration.

CODE COMPLIANCE

The Slimline Series emergency light is compliant with building and fire code regulations throughout the United States and Canada. ETL Listed to UL 924. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved.



OSHA TESTING REQUIREMENTS

To remain in accordance and compliance with OSHA emergency lighting regulations, which require monthly testing of a unit’s battery backup system, simply press the exit sign’s external test button to verify the NiCad battery backup system is functioning properly.

Pressing in the test button momentarily turns off AC power and the sign automatically switches into emergency (battery backup) mode. If the sign does not remain illuminated or dims quickly, a new battery and/or fixture could be needed.

WARRANTY

The Slimline Series comes with a three-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

ORDERING INFORMATION

Series	Letter Color	Housing Color	Operation	Options
SLIM	R (red) G (green)	W (white) B (black)	BB (battery backup) AC (AC only)	SDT (self-diagnostic testing) RC (remote capable)

**MINI-C SERIES
LED EXIT SIGN WITH LED EMERGENCY LIGHTS COMBO**



OVERVIEW

Combination exit sign with emergency light models satisfy two building code requirements with just one fixture. When faced with installing an exit sign and an emergency light in the same location, choose a combo model.

LED TECHNOLOGY

The MINI-C goes a step further than the conventional LED exit sign combo. This model features LED emergency lamps attached to the right and left side of the unit.

LED emergency lamps consume up to 90% less electricity than typical emergency light bulbs. Also, by using LED lamps instead of incandescent, the unit becomes more compact and comes with a long-lasting Nickel Cadmium exit sign battery.

EXTERNAL SPECIFICATIONS

The housing is constructed from a durable and flame-retardant thermoplastic that is corrosion resistant. This LED exit sign combo comes standard in white, but is also available with a black finish. The universal mounting bracket is easy to snap-on to the back or top of the sign.

INTERNAL SPECIFICATIONS

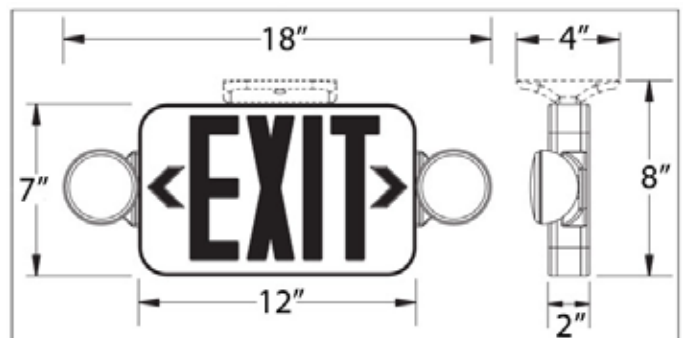
The MINI-C is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

LED SPECIFICATIONS

Red or green LED illumination consumes less than 5 watts electricity at all times. Maintenance-free LED technology features an expected LED lifespan is up to 15 years.

1.5W LED emergency lamps provide the equivalent illumination of a 5.4W incandescent lamp, the standard lamp of non-LED exit sign combo units.

DIMENSIONS





MINI-C Exit Sign Combo - Green Letters

INSTALLATION

Plastic LED exit sign combos are for indoor installation onto normally inflammable surfaces. The MINI-C Series is simple to install and comes with detailed instructions and features a snap-together housing and mounting bracket to make installation quicker. Use the included mounting bracket for top (ceiling) or side (flag) mounting configurations.

CODE COMPLIANCE

The MINI-C exit sign and emergency light combo unit is compliant with building and fire code regulations throughout the United States and Canada. ETL Listed to UL 924. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved.



WARRANTY

The MINI-C Series comes with a three-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

BATTERY BACKUP SYSTEM

The MINI-C features a maintenance free, nickel cadmium exit sign battery. The battery features a 24-hour recharge time and provides 90-minutes of emergency run time. Comes standard with a current charge regulator. Simply press the external test button to satisfy monthly and yearly testing requirements.

SELF-DIAGNOSTIC TESTING (SDT OPTION)

SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

REMOTE CAPABILITY (RC OPTION)

The RC option allows the fixture to operate multiple lamp heads that are located away from the fixture. Utilizing the remote capability option eliminates installation of more individual fixtures and decreases the number of batteries to be maintained.

HIGH LUMEN PACKAGE (HL OPTION)

An array of 8 LED chips are used in each of the units two, side-mounted emergency lamp heads. Choosing the HL option increases the lumen output by 50% per lamp. This is achieved by increasing the number of LED chips in each lamp head from 8 to 12.

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

ORDERING INFORMATION

Series	Housing Color	Letter Color	Options
MINI-C	W (white) B (black)	R (red) G (green)	HL (high lumen package) SDT (self-diagnostic testing) RC (remote capability) CS10 (10-foot cord set)

**MINI-CSQ SERIES
LED EXIT SIGN COMBO WITH SQUARE LED EMERGENCY LAMPS**



OVERVIEW

Combination exit sign with emergency light models satisfy two building code requirements with just one fixture. When faced with installing an exit sign and an emergency light in the same location, choose a combo model.

LED TECHNOLOGY

The MINI-CSQ goes a step further than the conventional LED exit sign combo. This model features LED square emergency lamps attached to the right and left side of the unit.

LED emergency lamps consume up to 90% less electricity than typical emergency light bulbs. Also, by using LED lamps instead of incandescent, the unit becomes more compact and comes with a long-lasting Nickel Cadmium exit sign battery.

EXTERNAL SPECIFICATIONS

The housing is constructed from a durable and flame-retardant thermoplastic that is corrosion resistant. This LED exit sign combo comes standard in white, but is also available with a black finish. The universal mounting bracket is easy to snap-on to the back or top of the sign.

ELECTRICAL SPECIFICATIONS

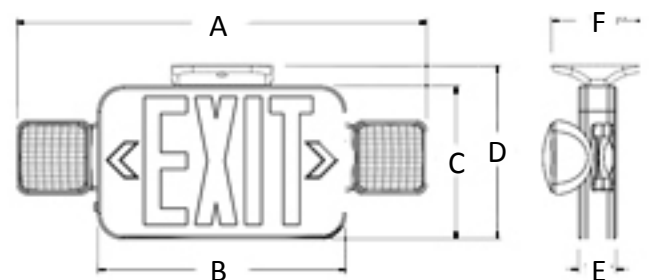
120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

LED SPECIFICATIONS

Red or green LED illumination consumes less than 5 watts electricity at all times. Maintenance-free LED technology features an expected LED lifespan is up to 15 years.

LED emergency lamps provide the equivalent illumination of a 7.2W incandescent lamp, above the standard 5.4W lamps that standard exit sign combos usually come with.

DIMENSIONS



Series	A	B	C	D	E	F
MINI-CSQ	19.2"	11.6"	7.2"	8.2"	1.75"	4.3"



MINI-CSQ Exit Sign Combo - Green Letters

HIGH LUMEN PACKAGE (STANDARD)

An array of 8 LED chips are used in each of the lamp heads of the MINI-C model, which features round lamp heads. For the MINI-CSQ Series fixtures, the two, side-mounted emergency lamp heads come standard with 12 LED chips, which produces 50% more lumen output than the base model MINI-C with only 8 LED chips. The MINI-CSQ is the most powerful and affordable LED exit sign combo for indoor use offered today.

CODE COMPLIANCE

The MINI-CSQ exit sign/emergency light combo unit is compliant with building and fire code regulations throughout the United States and Canada. ETL Listed to UL 924. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved.



WARRANTY

The MINI-CSQ Series comes with a three-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

INTERNAL SPECIFICATIONS

The MINI-CSQ is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

SELF-DIAGNOSTIC TESTING (SDT OPTION)

SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

BATTERY BACKUP SYSTEM

The MINI-CSQ features a maintenance free, nickel cadmium exit sign battery. The battery features a 24-hour recharge time and provides 90-minutes of emergency run time. Comes standard with a current charge regulator. Simply press the external test button to satisfy monthly and yearly testing requirements.

REMOTE CAPABILITY (RC OPTION)

The RC option allows the fixture to operate multiple lamp heads that are located away from the fixture. Utilizing the remote capability option eliminates installation of more individual fixtures and decreases the number of batteries to be maintained.

INSTALLATION

Plastic LED exit sign combos are for indoor installation onto normally inflammable surfaces. The MINI-CSQ Series is simple to install and comes with detailed instructions and features a snap-together housing and mounting bracket to make installation quicker. Use the included mounting bracket for top (ceiling) or side (flag) mounting configurations.

ORDERING INFORMATION

Series	Housing Color	Letter Color	Options
MINI-CSQ	W (white)	R (red)	SDT (self-diagnostic testing)
	B (black)	G (green)	RC (remote capability) CS10 (10-foot cord set)

VERSA SERIES UNIVERSALLY ADJUSTABLE EDGE-LIT LED EXIT SIGN



OVERVIEW

The VERSA Series is a one-of-a-kind exit sign solution which can adapt in the field to any type of indoor application. The universally configurable edge-lit exit sign can be configured in-field to be either single or double sided, as well as either recess or surface mounted. With both mounting types adaptable to wall and ceiling installations, this is truly the most versatile exit sign offered today.

The battery backup model features 90-minute emergency operation during power outages. A push button allows for easy testing of the battery backup.

EXTERNAL SPECIFICATIONS

The VERSA Series housing is constructed from aluminum and durable and flame-retardant thermoplastic. This LED exit sign comes standard with an aluminum finish and features a letter color choice of red or green. The EXIT panel can be bent to adjust to both wall and ceiling applications.

INTERNAL SPECIFICATIONS

The VERSA is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

LED SPECIFICATIONS

Red or green LED illumination consumes less than 5 watts electricity at all times. Maintenance-free LED technology features an expected LED lifespan is up to 15 years.

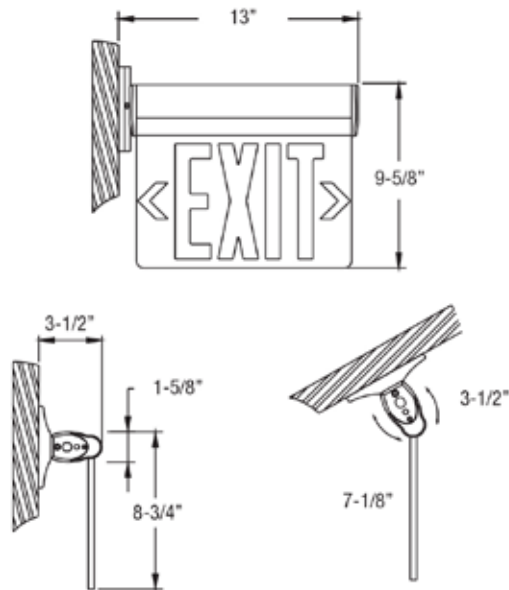
BATTERY BACKUP SYSTEM

The battery backup model for the VERSA is outfitted with a maintenance free, nickel cadmium exit sign battery. The battery features a 24-hour recharge time and provide 90-minutes of emergency run time. Comes standard with a current charge regulator. Simply press the external test button to satisfy monthly and yearly testing requirements.

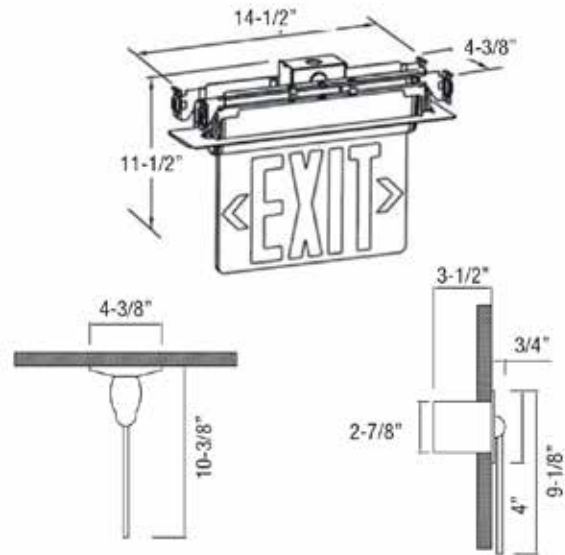


VERSA Series Recessed Mount Edge-Lit

SURFACE MOUNT DIMENSIONS



RECESS MOUNT DIMENSIONS



CODE COMPLIANCE

The VERSA Series emergency light is compliant with building and fire code regulations throughout the United States and Canada. ETL Listed to UL 924. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved.



WARRANTY

The VERSA Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

INSTALLATION

Edge-lit exit signs are for indoor installation onto normally inflammable surfaces. The VERSA Series is relatively easy to install. The unit comes with detailed instructions and features a snap-together recess/surface mount housing.

The mounting bracket (surface mount only) to make installation quicker. Use the bracket for top (ceiling), back (wall), or side (flag) mounting configurations.

Connect either 120 or 277V AC power into the unit, connect the battery, and let the fixture charge for 24 hours.

ORDERING INFORMATION

Series	Face Count	Operation	Letter Color
VERSA	1 (single)	BB (battery backup)	R (red)
	2 (double)	AC (AC only)	G (green)
		2CK (dual-circuit AC only)	

EDGE SERIES

RECESS OR SURFACE MOUNT EDGE-LIT LED EXIT SIGN



recessed drywall mount

OVERVIEW

The EDGE Series is a one-of-a-kind exit sign solution which can be configured to adapt to any type of indoor application. The universally configurable edge-lit exit sign can be made either single or double sided with either a recess or surface mount. This sign can be installed into drywall and suspended ceilings.

The battery backup model features a 90-minute battery system for emergency operation during power outages. A push button allows for easy testing of the battery backup. White or black housing colors are available.

EXTERNAL SPECIFICATIONS

The EDGE Series housing is constructed from aluminum and durable and flame-retardant thermoplastic. This LED exit sign comes standard with an aluminum finish and features 6" tall letters with a color choice of red or green. The EXIT panel is clear unless ordered double-sided with mylar insert. Chevrons (arrows) are in-field applicable.

INTERNAL SPECIFICATIONS

The EDGE is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

ELECTRICAL SPECIFICATIONS

Connect either 120 or 277V AC power into the unit, connect the battery, and let the fixture charge for 24 hours.

LED SPECIFICATIONS

Red or green LED illumination consumes less than 5 watts electricity at all times. Maintenance-free LED technology features a lifespan of up to 15 years. A clear panel comes with the single-sided models, and a mirrored panel is supplied for double-sided models.

BATTERY BACKUP SYSTEM

The battery backup model for the EDGE is outfitted with a maintenance free, nickel cadmium exit sign battery. The battery features a 24-hour recharge time and provide 90-minutes of emergency run time. Comes standard with a current charge regulator. Simply press the external test button to satisfy monthly and yearly testing requirements.



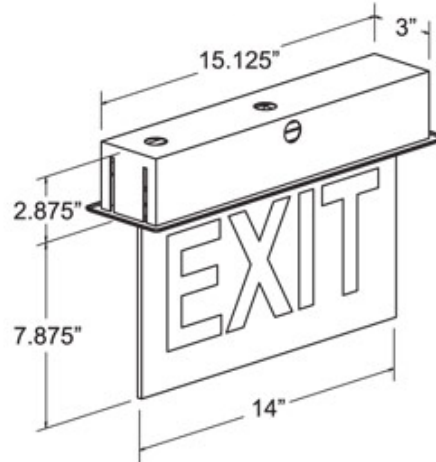
surface wall/ceiling mount

GREEN LETTERS AVAILABLE

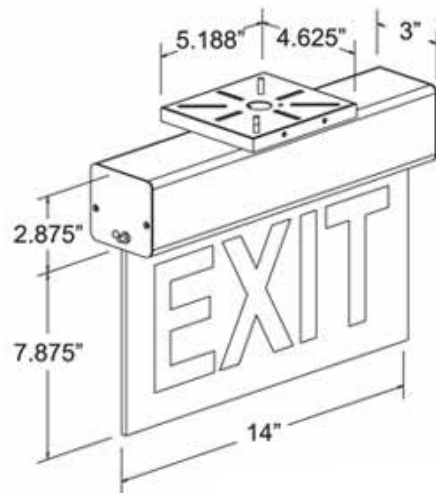


green panel shown with recessed t-bar grid mount

RECESS MOUNT DIMENSIONS



SURFACE MOUNT DIMENSIONS



INSTALLATION

Edge-lit exit signs are for indoor installation onto normally inflammable surfaces. The EDGE Series is relatively easy to install. The unit comes with detailed instructions and features recess mountings for both T-bar grid and drywall ceiling applications.

The mounting bracket (surface mount only) makes attaching the EDGE to the ceiling or wall easy. Use the bracket for top (ceiling), back (wall), or side (flag) mounting configurations.

CODE COMPLIANCE

The EDGE Series emergency light is compliant with building and fire code regulations throughout the United States and Canada. ETL Listed to UL 924. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved.



WARRANTY

The EDGE Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

ORDERING INFORMATION

Series	Operation	Letter Color	Mounting	Face Count	Options
EDGE	BB (battery backup)	R (red)	S (surface)	1 (single-sided)	SDT (self-testing)
	AC (AC only)	G (green)	R (recessed t-bar grid)	2 (double-sided)	
	2CK (dual-circuit AC only)		RD (recessed drywall)		

SELF LUMINOUS SERIES TRITIUM POWERED NON-ELECTRICAL EXIT SIGN



OVERVIEW

The SLBX Series Self Luminous Exit Sign is a completely non-electrical, self-powered exit sign solution that is the code compliant alternative to electrical LED exit signs. It can be used indoors and outside as well.

Using tritium technology, the SLBX can glow constantly for up to 20 years. Self luminous exit signs have gained immense popularity since they were introduced more than 30 years ago.

This type of exit sign allows you to eliminate the electrician and associated installation costs normally tied to conventional exit signs. Over the lifespan of the exit sign, no maintenance is required - there are no bulbs to change, batteries to replace, or connections to maintain.

The SLBX Series exit sign is made from sturdy and flame resistant thermoplastic. It features tubes of tritium, a glowing form of hydrogen gas, that are aligned to spell "EXIT" and glow bright green.

EXTERNAL SPECIFICATIONS

Sturdy ABS flame-resistant thermoplastic encases the Self Luminous Exit Sign. A 1/4" polycarbonate shield protects the face of the sign from moderate abuse. Red, green, black, and white face color choices. White or black frame color choice.

This sign has a 100-foot UL Listed viewing distance. Arrows can be configured in the field to indicate the direction of the nearest exit.

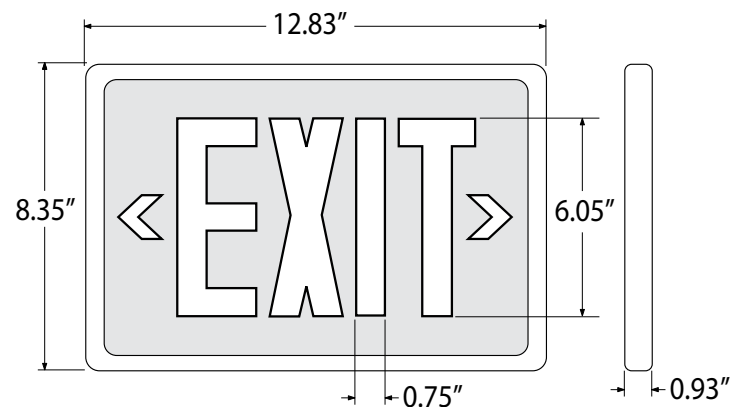
At only 0.75" thick and 12.83" wide, the SLBX offers a low profile, compact design that blends well with all types of interiors. The white face color, white frame color combination is great for light, or white interiors. The black face, black frame combo is ideal for dark interiors, including movie theaters and restaurants.

NON-ELECTRICAL SPECIFICATIONS

Tritium illumination is produced by gaseous tritium, an isotope of hydrogen, which produces visible light. Tritium gas naturally emits electrons and when they combine and interact with a phosphor material light is emitted.

This is a process also known as radioluminescence. Tritium lighting for self luminous exit signs is made using glass tubes with a phosphor layer in them and tritium gas inside the tube. Tritium tubes are constructed from shatterproof borosilicate glass.

DIMENSIONS





APPLICATION

The SLBX Series is completely versatile, it can be used both indoors and outdoors in all types of commercial applications. This sign is seen throughout offices, apartments buildings, schools, and many other popular building types.

Order the SLBX Series in either a single or double-sided version (double-sided model is two signs attached back-to-back using mounting bracket). Self luminous exit signs are waterproof and approved for wet location areas.

INSTALLATION

Installation is simple; it can be back mounted to normally inflammable surfaces in less than 15 minutes. A thermoplastic mounting bracket enables the the SLBX Series to be top or side mounted.

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations.



OPERATING TEMPERATURE

-76°F to +212°F

WARRANTY

20-year limited manufacturer's warranty.

DISPOSAL

TLS also offers disposal services for expired signs which are older than their useful illumination lifespan. Discounts on new signs are available on a 1 for 1 basis when disposing of old signs. Call us today at 800-282-5600 for more information.

ORDERING INFORMATION

Series	Lifespan	Frame Color	Face Count	Face Color	Options
SLBX	10 (10-year)	WH (white)	S (single-sided)	RD (red)	WG (wire guard)
	20 (20-year)	BK (black)	D (double-sided)	GN (green)	AF (aluminum frame)
				BK (black)	CW (custom wording)

UL SERIES

50' PHOTOLUMINESCENT EXIT SIGN



GLOW IN THE DARK ADVANTAGES

- 50 Foot Viewing Distance
- No Electricity Needed - Self-Powered
- Simple Installation
- No Maintenance Costs
- No Operating Costs
- 25+ Year Lifespan
- UL 924 Listed
- Eco-Friendly In Multiple Ways

OVERVIEW

The UL Series is an efficient and effective alternative to conventional electrically powered exit signs. This model is manufactured from aluminum and features flowing letters that can be seen from 50 feet away in total darkness.

Glow in the dark exit signs are an easy, compliant, and long-lasting choice. There are a number of advantages to using a glow in the dark exit sign including eliminating operating and maintenance expenses associated with electrical exit signs.

Installation costs are drastically reduced as an electrician is not needed to perform the job. Once installed, there are no batteries to test and maintain; operating expenses are eliminated as well. Lastly, the sign has a 30-year lifespan - three times as long as a typical LED exit sign.

ILLUMINATION SPECIFICATIONS

The UL Series glow in the dark exit sign is manufactured from aluminum and features photoluminescent pigment on the face of the sign.

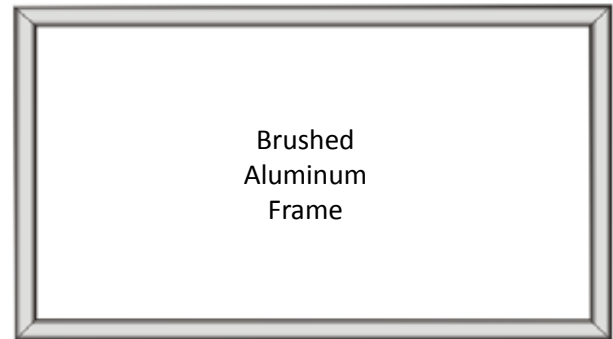
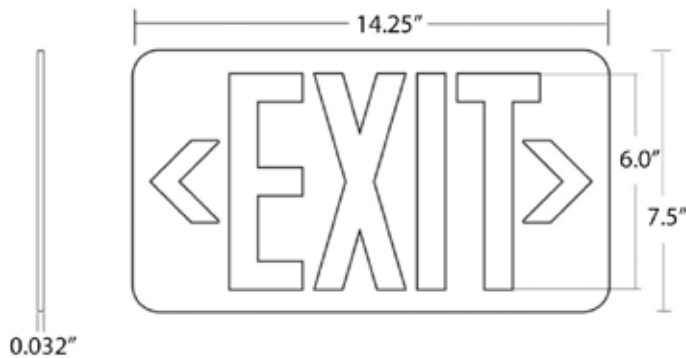
ILLUMINATION SPECIFICATIONS

The UL Series features a 50 foot viewing distance and is visible from that distance for up to 90 minutes after AC power to the facility is lost.

Photoluminescent is the scientific term for describing a glow in the dark exit sign. While exposed to normal light such as fluorescent or halogen, the sign's photoluminescent pigment will absorb and store the light shining upon it.

If power is lost and dark conditions are present the sign will release light (photons) and glow a bright green color, clearly illuminating the word EXIT and enabling occupants to safely evacuate the building.

Our photoluminescent exit sign's illumination capability has been tested and approved by ETL to UL 924 standards. This means the sign can be used in the same applications as an electrical exit sign. It is guaranteed to be 100% code compliant throughout the United States.



INSTALLATION

This photoluminescent exit sign comes with a variety of mounting configurations, the most popular of which is the surface (back) mount. The unframed version can be mounted using industrial grade adhesive. The "4HUL" model features holes in all (4) corners plus mounting hardware to securely install the sign.

The wall mounting "FRUL" framed model comes with installation hardware as well, and can be ordered with a bracket to allow for ceiling (top) and flag (side) mountings. All double-sided models require purchase of frame with mounting bracket.

COMPLIANCE

UL 924 Emergency Lighting and Power Equipment Listed through ETL
 Meets NFPA Life Safety Code 101 and OSHA requirements
 International Building Code 2009; International Fire Code 2009
 California State Fire Marshal Approved



WARRANTY

The UL Series photoluminescent exit sign comes with a 20-year limited warranty to the original customer covering any defects in material or workmanship.

AVAILABILITY

The glow in the dark exit signs are usually in stock and ship within 24-48 hours. Call for immediate availability.

ORDERING INFORMATION

Frame Choice	Face Count	Background Color
UL (unframed)	050 (single sided)	R (red)
4HUL (corner holes & hardware)	050-D** (double sided)	G (green)
FRUL (surface wall mount frame)		B (black)
FRUL-BR (ceiling or flag mount frame)		

**Only possible with FRUL-BR Frame Choice.

WLE SERIES

NEMA 4X OUTDOOR WET LOCATION LED EXIT SIGN & COMBO



OVERVIEW

The WLE Series of NEMA 4X exit signs feature weatherproof construction that is UL Listed for Wet Locations. The combo model features an outdoor LED exit sign with (2) top-mounted 7.2W lamps.

The battery backup model features a 90-minute battery system for emergency operation during power outages. A push button allows for easy testing of the battery backup. Standard white finish.

If faced with the installation of both an exit sign and an emergency light, choose the combination model to save time and money and reduce future maintenance requirements and costs by operating only one fixture for two purposes.

EXTERNAL SPECIFICATIONS

The WLE Series housing is constructed from a NEMA 4X durable and flame-retardant thermoplastic that is damp and wet location listed. The sign is designed for back (wall) mount only and features knock-out patterns for easy electrical connection.

Comes standard with an off-white finish and clear polycarbonate faceplate which features full-gasketed construction to prevent moisture intake.

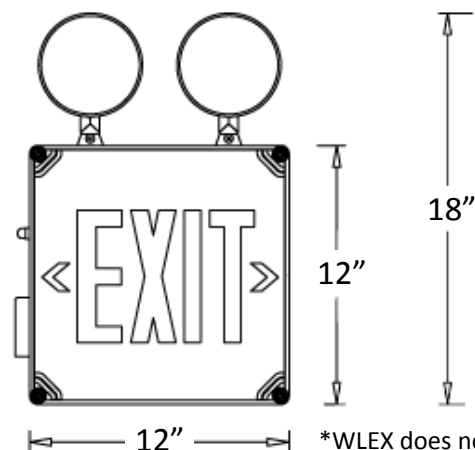
INTERNAL SPECIFICATIONS

The WLE is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

LED SPECIFICATIONS

Red or green LED illumination consumes less than 5 watts electricity at all times. Maintenance-free LED technology features an expected LED lifespan is up to 10 to 15 years.

DIMENSIONS*



*WLEX does not have lamp heads top-mounted.



Green LED Letters Available

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

COMPLIANCE

The WLE Series emergency light is compliant with building and fire code regulations throughout the United States and Canada. CSA Listed to UL 924. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved, Wet Location Listed (ETL, CSA, & UL).



WARRANTY

The WLE Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

SIDE-MOUNT LAMP OPTION

The WLE Series comes standard with top-mounted lamps, and back (wall) installation. The “SM” option configures the lamps on the side, which allows for top mounting (ceiling). 2-4 week lead time on this option.

ORDERING INFORMATION

Series	Letter Color	Face Count	Operation	Options
WLEX (LED exit sign)	R (red)	1 (single)	**BB (battery backup)	SDT (self-diagnostic testing)
WLCX (combo exit/em light)	G (green)	*2 (double)	AC (AC only)	RC (remote capable) SM (side-mount lamps) IH (internal heater to -4°F)

*Must choose SM option when selecting a double-sided model.

**Must choose BB operation when selecting WLCX combo model.

SELF-DIAGNOSTIC TESTING (SDT OPTION)

SDT circuitry continuously monitors every critical function of the unit. Purchase the SDT option to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs. SDT meets NFPA 101 Life Safety Code requirements for periodic testing.

BATTERY SPECIFICATIONS

The WLE features a maintenance free, nickel-cadmium or lead-acid battery. Choose the “IH” option for cold-weather locations, to insure the unit operates properly in temperatures as low as -4°F.

The battery features a 24-hour recharge time and provides 90-minutes of emergency run time. Comes standard with a current charge regulator. Simply press the external test button to satisfy monthly and yearly testing requirements.

REMOTE CAPABILITY (RC OPTION)

The RC option allows the fixture to operate multiple lamp heads that are located away from the fixture. Utilizing the remote capability option eliminates installation of more individual fixtures and decreases the number of batteries to be maintained.

INSTALLATION

Waterproof exit signs and combo fixtures, like the WLE Series, are only for outdoor/wet location installation onto normally inflammable surfaces. Make sure to charge the unit for at least 24 hours before testing the battery backup system.

Relatively easy to install, the unit comes with detailed instructions and features knock-outs to enable a simple and effective process.. Make sure to tighten all screws to insure protection from moisture contact and other elements.

**CWL SERIES
COMPACT WET LOCATION LED EXIT SIGN & COMBO**



OVERVIEW

The CWL Series of exit signs feature weatherproof construction that is UL Listed for Wet Locations. The combo model features an outdoor LED exit sign with (2) top-mounted 1.17W LED lamps.

The battery backup model features a 90-minute battery system for emergency operation during power outages. A push button allows for easy testing of the battery backup. Standard white finish.

If faced with the installation of both an exit sign and an emergency light, choose the combination model to save time and money and reduce future maintenance requirements and costs by operating only one fixture for two purposes.

EXTERNAL SPECIFICATIONS

The CWL Series housing is constructed from a durable and flame-retardant thermoplastic that is damp and wet location listed. The sign is designed for back (wall) mount only and features knock-out patterns for easy electrical connection.

Comes standard with an off-white finish and clear polycarbonate faceplate which features full-gasketed construction to prevent moisture intake.

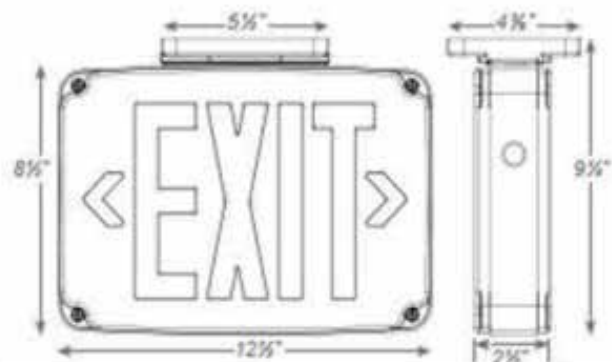
INTERNAL SPECIFICATIONS

The CWL is configured with universal 120/277V AC input and solid state charging circuitry. Low voltage disconnect, AC lockout, and brownout protection are included standard.

LED SPECIFICATIONS

Red or green LED illumination consumes less than 5 watts electricity at all times. Maintenance-free LED technology features an expected LED lifespan is up to 10 to 15 years.

DIMENSIONS*

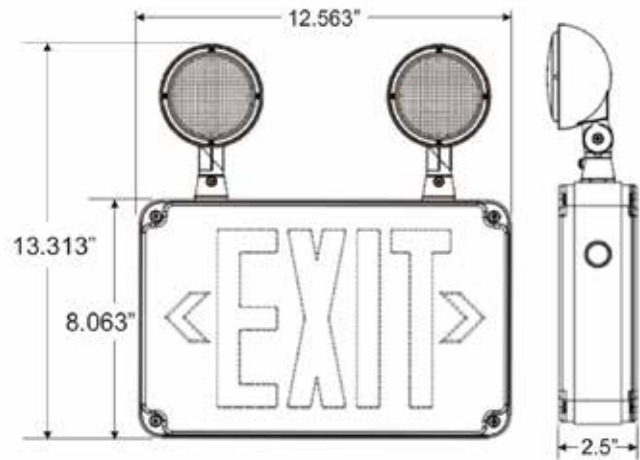


*CWLX does not have lamp heads top-mounted.



Green LED Letters Available

DIMENSIONS



ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

COMPLIANCE

The CWL Series emergency light is compliant with building and fire code regulations throughout the United States and Canada. ETL Listed to UL 924. NFPA 101 Life Safety Code, NEC, ICC, IBC, Damp Location Approved, Wet Location Listed (ETL, CSA, & UL).



WARRANTY

The CWL Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

TOP-MOUNTED LED LAMPS

The CWL Series comes standard with top-mounted 1.17W LED lamps, and back (wall) installation.

BATTERY BACKUP SYSTEM

The CWL features a maintenance free, nickel cadmium exit sign battery. The battery features a 24-hour recharge time and provides 90-minutes of emergency run time. Comes standard with a current charge regulator. Press the external test button to satisfy monthly and yearly testing requirements. "SDT" Self-diagnostic testing is optional.

REMOTE CAPABILITY (RC OPTION)

The RC option allows the fixture to operate multiple lamp heads that are located away from the fixture. Utilizing the remote capability option eliminates installation of more individual fixtures and decreases the number of batteries to be maintained.

INSTALLATION

Waterproof exit signs and combo fixtures, like the CWL Series, are only for outdoor/wet location installation onto normally inflammable surfaces. Make sure to charge the unit for at least 24 hours before testing the battery backup system.

Relatively easy to install, the unit comes with detailed instructions and features knock-outs to enable a simple and effective process. Make sure to tighten all screws to insure protection from moisture contact and other elements.

ORDERING INFORMATION

Series	Letter Color	Face Count	Operation	Options
CWLX (LED exit sign)	R (red)	1 (single)	**BB (battery backup)	RC (remote capable)
CWLC (combo exit/em light)	G (green)	2 (double) U (universal)	AC (AC only) 2CK (dual-circuit)	SDT (self-diagnostic testing)

**Must choose BB option when selecting CWLC combo model.

WEL SERIES HEAVY DUTY WET LOCATION EMERGENCY LIGHT



OVERVIEW

The WEL Wet Location Heavy Duty Emergency Light is outdoor rated and designed for all types of environments that feature moisture and wetness. For applications where temperatures can fall below freezing.

This model can be outfitted with an optional internal heater that allows the emergency light and its battery backup system to function below 32 F. This wet location model is weatherproof and waterproof and comes with (2) top-mounted 1.9-watt LED lamp heads.

The internal battery constantly charges from AC power is prepared to provide at least 90 minutes of emergency mode illumination power in case AC electricity is lost during a power outage, fire, or other emergency.

The housing of the WEL Series Wet Location Emergency Light is constructed from durable and rugged fiberglass which is fully gasketed to prevent any moisture from entering the fixture. Operates using 120 or 277V AC electricity. UL 924 Listed for the United States - five year warranty.

EXTERNAL SPECIFICATIONS

The durable and waterproof housing is suitable for installation into wet location environments that feature moisture, rain, sleet, and snow. An internal heater should be ordered with the unit for freezing environments.

QUICK SHIP MODEL

The WEL-6-18-2-LED is ALWAYS IN STOCK and can ship out within 24 to 48 hours.

BATTERY

The WEL uses a nickel-cadmium emergency light battery which provides a minimum 90 minutes of emergency power to the (2) lamp heads and can also provide power to remotely located lamp heads.

LAMP SELECTION GUIDE

- LED: 1.9W
- 6V Tungsten: 7.2W, 9W
- 6V Tungsten Halogen: 8W, 10W, 12W, 20W
- 6V Sealed Beam: 9W, 12W, 18W, 25W
- 6V SB Halogen: 8W, 12W, 20W
- 12V Tungsten: 9W, 18W
- 12V Tungsten Halogen: 8W, 12W, 20W, 35W
- 12V Sealed Beam: 12W, 18W, 25W, 35W
- 12V SB Halogen: 8W

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220v and 240v.

NICKEL CADMIUM BATTERY

The LED unit comes standard with a nickel cadmium battery. A step above the standard sealed lead calcium batter, Ni-Cad batteries have a 5-7 year lifespan, are easier to replace, and decrease shipping weight.

SELF-DIAGNOSTIC AUTO-TEST OPTION

The WEL auto-test feature automatically monitors the functional operation of the unit. Auto-test monitors the operation of the lamps, battery and circuitry and displays any alerts. Periodic emergency tests, up to ninety (90) minutes duration are simulated to ensure proper operation during an actual power failure. Operating status is visually indicated by multi-function LED indication.

INTERNAL HEATER OPTION

The unit can be outfitted with a thermostatic battery heater which allows the fixture to operate properly in temperatures as low as -4°F.

TIME DELAY OPTION

This option is ideal for installations that are utilizing fluorescent and HID lamps for general lighting purposes. The time delay feature keeps the emergency lights illuminated for a preset period (usually 15 minutes) after power is restored since fluorescent and HID lighting can take 10-15 minutes to reach full brightness, even after a short power failure. Please specify 120 or 277V AC connection.

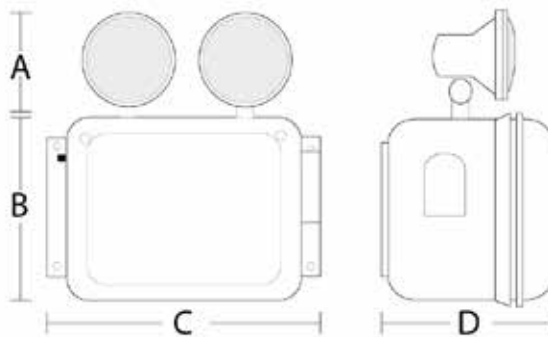
CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations.



WARRANTY

The WEL Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.



DIMENSIONS

Series	A	B	C	D
18W-36W	6.2"	8"	10"	5"
54W-72W	6.2"	10"	12"	7"
100W	6.2"	12"	14"	7"

ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
WEL	6 (volt DC)	18 (6V)	1 (single)	(see lamp guide pg 1)	AT (auto-test)
		27 (6V)	2 (double)		NC (ni-cad battery)
	12 (volt DC)	36 (6V, 12V)	0 (none)	TD (time delay)	
		54 (6V, 12V)		VM (voltmeter)	
		72 (6V, 12V)		FP (food prep lens)	
		100 (6V, 12V)		IH (internal heater)	

WEL-6-18-2-LED is ALWAYS IN STOCK

EXTREME SERIES **NEMA 4X EMERGENCY LIGHT**



OVERVIEW

The EXT Series NEMA 4X Extreme Emergency Light is suitable for outdoor locations and harsh environments which feature moisture and wetness. The EXT is available in a variety of battery voltage and wattage combinations.

Two front-mounted MR16 style lamp heads produce powerful emergency illumination that lasts for a minimum 90 minutes. UL924 Listed for the US and Canada. A push-to-test button allows for easy testing of the battery backup system.

This wet location emergency light back mounts to normally inflammable surfaces. Operates using 120 or 277V AC power, special voltages available.

This NEMA 4X emergency light is easy to install and is suitable for oil refineries, power plants, and chemical processing facilities. A powerful battery backup system provides a minimum 90 minutes of emergency illumination during power outages.

Auto-Testing (AT) Diagnostics are optional on this outdoor rated emergency light. All of the wet location emergency lights are outfitted with the latest fixture monitoring technology.

FEATURES

- Rated for outdoor/wet locations
- Gray polycarbonate constructed housing
- Push-to-test button with LED charging indicator
- NEMA 4X and IP66 Rated
- UL 924 Listed for the US and Canada
- 3 year warranty

EXTERNAL SPECIFICATIONS

The EXT Series is constructed from fiberglass reinforced polyester and is approved for a variety of extreme wet and outdoor locations. This wet location emergency lights is approved for NEMA 3, 4, and 4X areas. NSF Rated for food processing facilities.

Water and corrosion-resistant cabinet is made of fiberglassreinforced polyester. Industrial gray cabinet is fully gasketed around the cover. Battery compartment is vented with a breather vent designed to permit exhaust of battery gases without admitting external moisture or corrosives.

A clear polycarbonate shield creates a window that allows for easy monitoring of the AC indicator light and optional ammeter and voltmeter. Comes with (2) MR16 lamps that can be outfitted in either halogen or LED.

LAMP SELECTION GUIDE

- **Halogen MR16**
6W, 10W (6V) or 10W, 12W, and 20W (12V)
- **LED MR16**
5W (6V) or 3W, 5W, and 7W (12V)

BATTERY

The EXT uses lead-acid or nickel-cadmium batteries to provide a minimum 90 minutes of power to the (2) lamp heads. Remotely located lamp heads can be configured for extended run times of up to 4.5 hours.

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220v and 240v.

SELF-DIAGNOSTIC TESTING

Optional Auto-Testing (AT) Diagnostics circuitry continuously monitors every critical function of the unit. If a problem occurs, a single fault indicator on the outside of the fixture flashes immediately.

A detailed diagnostic display is located internally. The detailed display will further indicate the nature of the fault as either a battery fault, load fault or a charger fault

COLD WEATHER BATTERY HEATER

Internal battery heater "IH" option insures the unit will operate in temperatures as low as -4°F. This is accomplished with a thermostatic heater that begins operating when temperatures drop below 40°F.

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations. NSF Standard 2.

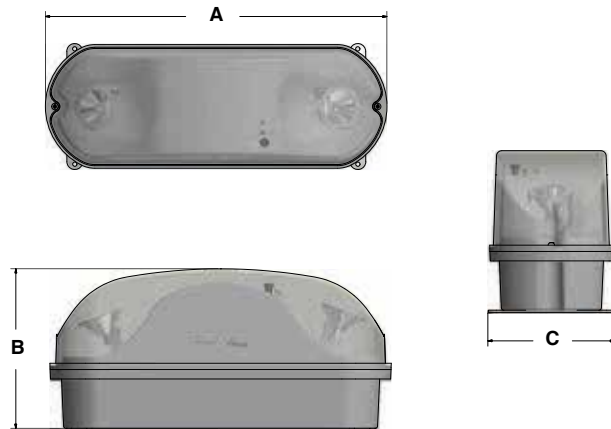
WARRANTY

The EXT Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.



DIMENSIONS

- A** = 16.25" (413mm)
- B** = 7.5" (191mm)
- C** = 6.0" (152mm)



ORDERING INFORMATION

Series & Voltage	Capacity & Battery Type	Lamp Type	Lamp (watts)	Options
EXT-6 (6 volt DC)	18 watts (6V SLA)	MR16 (halogen)	6W, 10W, 12W, or 20W	AT (auto-test)
EXT-12 (12 volt DC)	22 watts (6V NC)	LED MR16 (LED)	3W, 5W, or 7W (LED)	VM (ammeter)
	27 watts (6V SLA)			WG (wire guard)
	36 watts (6V, 12V SLA)			CC (cusotm color)
	42 watts (6V, 12V NC)			IH (internal heater)
	54 watts (6V NC)			IRT (infrared remote)
	60 watts (6V, 12V SLA)			

WLMR

WET LOCATION EMERGENCY LIGHT - MR16 LAMPS (HALOGEN & LED)



OVERVIEW

The WLMR is the most popular wet location emergency light that we offer. The WLMR is designed for indoor wet location or general outdoor installation and features a polycarbonate housing that protects the unit's electrical components from any contact with moisture. 1.5W LED or 5W Halogen MR16 emergency lamps produce brilliant illumination that can be easily adjusted to cover a large area.

OPTIONAL LED LAMPS

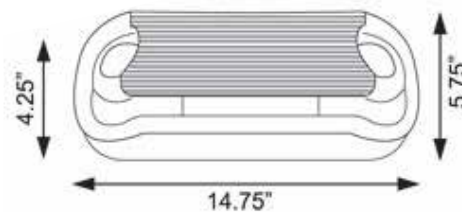
The WLMR can come with two powerful 1.5W LED lamps, simply choose the LMR option when creating the model number to order.

The LED model comes with a 3.6 volt Nickel Cadmium battery which has less maintenance and a longer lifespan than conventional sealed lead acid batteries.

EXTERNAL SPECIFICATIONS

The durable and weatherproof housing is a fully gasketed enclosure that is suitable for damp and/or wet location use. The unit is designed to handle rain, dust, and moisture. A simple push button located on the side of the WLMR allows for easy testing of the battery backup system's capability and readiness.

DIMENSIONS



LAMP SPECIFICATIONS

- **Lamp Type:** Halogen or LED
- **Lamp Shape:** MR16
- **Lamp Wattage:** 5W (1.5W for LED)
- **Color Temperature:** 5000K

BATTERY SPECIFICATIONS

The WLMR uses a 6 volt 4.5 amp sealed lead acid rechargeable battery that provides 90 minutes of emergency illumination.

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations.



ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220V, 240V, and 480V.

ORDERING INFORMATION

Series	Lamp Type	Options
WL	5MR (5w halogen MR16) LMR (1.5W LED MR16)	BL (black housing)

SEAMLESS SERIES RECESSED HIDDEN REMOTE HEAD



PRODUCT SUMMARY

Ideal for walls with a cavity (dry wall with 4-inch studs) or un-insulated ceilings with horizontal beams or T-bar structures, the Seamless™ Series is designed for unobtrusive architectural use. In normal conditions (standby) the Seamless Remote Series is completely concealed in the wall or ceiling. When supplied with remote power the door of the unit rotates open 180° and exposes the emergency lights to illuminate the path of egress.

After power disconnect, the lights turn off and the door rotates in closed position automatically, driven by a remotely located battery pack. Any of the 12V or 24V steel or fiberglass emergency lights can be used as the battery pack to power these attractive remotes

FEATURES

- Standard double lamp configuration with the option of highly delivered MR16 lamps or the 4W MR16 white LED lamp.
- Fully recessed fixture hides the emergency lamps until their operation is triggered by remote battery pack.
- Does not require back box for pre-installation.

EXTERNAL SPECIFICATIONS

Manufactured from steel, fully hinged door hides the MR16 lamps when unit is not in operation. Comes standard with a white powder coat.

LAMP SELECTION GUIDE

- **MI** - 6V 6W MR16
- **MJ** - 6V 10W MR16
- **MK** - 12V 12W MR16
- **LA** - 6V 4W LED MR16
- **LG** - 12V 4W LED MR16
- **LL** - 24V 4W LED MR16
- **MW** - 12V 20W MR16-IR
- **MS** - 24V 12W MR16
- **MD** - 24V 20W MR16



INSTALLATION

The unit comes with easy to follow, contractor friendly installation instructions.

WARRANTY

The Seamless Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty.

ORDERING INFORMATION

Model	# of Lamps	Lamp Type/Wattage
SML (double)	2 (two lamps)	See lamp selection guide above

IEL SERIES

NEMA 4X HEAVY DUTY WET LOCATION EMERGENCY LIGHT



OVERVIEW

The IEL Wet Location Heavy Duty Emergency Light is outdoor rated and designed for all types of environments that feature moisture and wetness. For applications where temperatures can fall below freezing.

This model can be outfitted with an optional internal heater that allows the emergency light and its battery backup system to function below 32 F. This wet location model is weatherproof and waterproof and comes with (2) top-mounted 9-watt sealed beam lamp heads.

The internal battery constantly charges from AC power is prepared to provide at least 90 minutes of emergency mode illumination power in case AC electricity is lost during a power outage, fire, or other emergency.

The housing of the IEL Series NEMA 4X Wet Location Emergency Light is constructed from durable and rugged fiberglass which is fully gasketed to prevent any moisture from entering the fixture. Operates using 120 or 277V AC electricity. UL 924 Listed for the United States - five year warranty.

EXTERNAL SPECIFICATIONS

The NEMA 4X rated housing is suitable for installation into wet location environments that feature moisture, rain, sleet, and snow. An internal heater should be ordered with the unit for freezing environments.

This model back mounts to most inflammable surfaces. Fully gasketed construction features a front access panel for easy maintenance.

BATTERY

The IEL uses sealed lead calcium emergency light batteries Provides a minimum 90 minutes of emergency power to the (2) lamp heads and can also provide power to remotely located lamp heads.

LAMP SELECTION GUIDE

- 6V Tungsten: 9W
- 6V Tungsten Halogen: 8W, 10W, 12W, 20W
- 6V Sealed Beam: 9W, 12W, 18W, 25W
- 6V SB Halogen: 8W, 12W, 20W
- 6V Bi-Pin Halogen: 6W, 8W, 10W, 12W, 20W
- 12V Tungsten: 7.2W, 9W, 18W
- 12V Tungsten Halogen: 8W, 12W, 20W, 35W
- 12V Sealed Beam: 12W, 18W, 25W, 30W, 35W
- 12V SB Halogen: 8W, 12W, 20W
- 12V Bi-Pin Halogen: 8W, 12W, 20W, 35W, 50W
- 12V Halogen MR16: 10W, 20W, 30W
- 12V Halogen H3: 55W

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220v and 240v.

SELF-DIAGNOSTIC AUTO-TEST OPTION

The IEL auto-test feature automatically monitors the functional operation of the unit. Auto-test monitors the operation of the lamps, battery and circuitry and displays any alerts. Periodic emergency tests, up to ninety (90) minutes duration are simulated to ensure proper operation during an actual power failure. Operating status is visually indicated by multi-function LED indication.

INTERNAL HEATER OPTION

The unit can be outfitted with an internal heater that keeps battery backup system ready for emergency mode operation for applications that feature temperatures as low as -4°F.

TIME DELAY OPTION

This option is ideal for installations that are utilizing fluorescent and HID lamps for general lighting purposes. The time delay feature keeps the emergency lights illuminated for a preset period (usually 15 minutes) after power is restored since fluorescent and HID lighting can take 10-15 minutes to reach full brightness, even after a short power failure. Please specify 120 or 277V AC connection.

NICKEL CADMIUM BATTERY OPTION

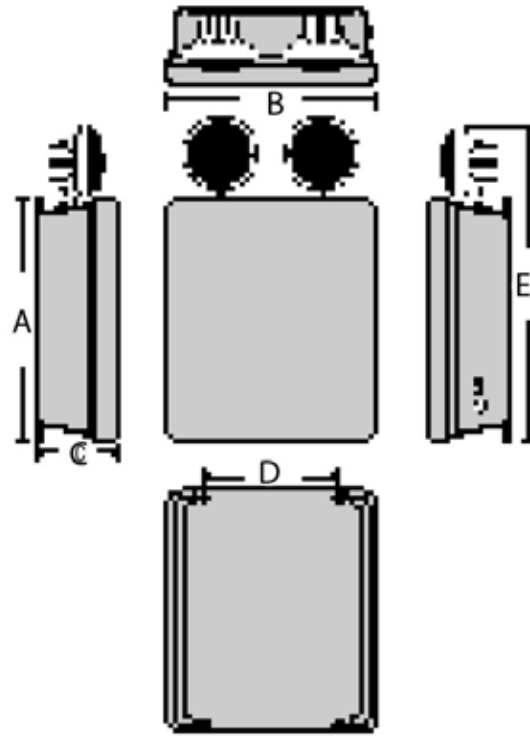
The unit can come with a nickel cadmium battery. A step above the standard sealed lead calcium battery, Ni-Cad batteries have a 5-7 year lifespan, are easier to replace, and decrease shipping weight.

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations.

WARRANTY

The IEL Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.



DIMENSIONS

Series	A	B	C	D	E
27W-36W	11.5"	9.25"	5.5"	5.25"	16.5"
54W-72W	13.5"	11.25"	5.5"	8.25"	18.5"
100W-200W	15.5"	13.5"	6.25"	10.25"	20.5"
200W-300W	17.5"	15.5"	6.25"	12.25"	22.5"
360W	10"	17"	9"	12.25"	24.5"



ORDERING INFORMATION

Series	Operation	Capacity	Heads	Lamps	Options
IEL	6 (volt DC)	27 (6V)	1 (single)	(see lamp guide guide pg 1)	AT (auto-test)
		36 (6V, 12V)	2 (double)		NC (ni-cad battery)
	12 (volt DC)	60 (6V, 12V)	3 (triple)	TD (time delay)	
		72 (6V, 12V)	0 (none)	VM (voltmeter)	
		100 (6V)		IH (internal heater)	
		120 (12V)		FP (food prep lens)	
		140 (12V)		AM (ammeter)	
		160 (12V)		CC (custom color)	
		180 (12V)		220V50HZ (220V)	
		280 (24V)			
		360 (12V, 24V)			

BULLET SERIES

OUTDOOR EMERGENCY LIGHT + "NORMALLY ON" LIGHT



OVERVIEW

The Bullet Series is a popular outdoor light fixture because of its ability to be a stand alone emergency light and also a lighting fixture for general illumination. The multi-functional operation allows the Bullet Series to be a 2-for-1 solution for applications where both emergency lighting and general lighting are required.

The Bullet comes with an 11W LED light engine which produces 1,080 lumens in AC mode and 260 lumens in emergency mode. The LED lamp has a 50,000 hour lifespan. The standard finish is bronze but it is also available in white, black, or silver.

Maintenance issues are simple to solve with the ease of self-diagnostics, which constantly monitors operation and eliminates monthly OSHA testing requirements.

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard.

"NORMALLY ON" AC & EMERGENCY MODE

The AC and emergency light model (ACBB) comes standard with a photocell for automatic operation from dusk till dawn. This can easily be disconnected and a timer or other type of lighting control can be used to determine hours of operation.

EXTERNAL SPECIFICATIONS

The architectural and low profile design of the Bullet Series seeks to improve on more conventional outdoor egress lights that traditionally have a bulky design which can be unattractive and take away from a structure's natural aesthetic appeal.

BATTERY AND COLD LOCATION OPTION

The Bullet Series comes with a maintenance-free nickel cadmium battery that provides an estimated service life of 10 years. The operating temperature range for the nicad battery is 0° to 50° C and for colder environments the optional battery heater increases the temperature range to -4°F (-20°C). Add ordering suffix "CL" for cold location operation to the product SKU configured from the ordering information matrix on the following page.

LED LAMP SPECIFICATIONS

The Bullet Series features a single, 11-watt high performance LED lamp that has an expected lifespan of 50,000 hours. The output is 1,080 lumens (260 lumens in emergency mode) and features a 5000K color temp with a CRI rating of 70.

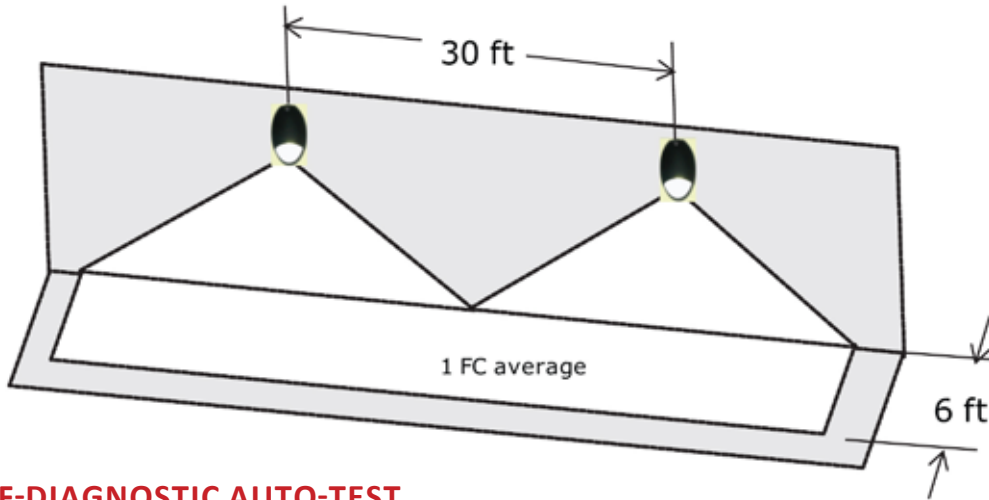
A UV stable mirror-bright reflector and prismatic polycarbonate refractor are included for maximum light output.

INSTALLATION

This model back mounts to most inflammable surfaces. Fully gasketed construction for protection from the elements.

MOUNTING GUIDELINES

NOTE: Meets Life Safety Code standard minimum luminance of 0.1 FC and average luminance of 1.0 FC. Illustration shows a guideline for corridor center-to-center with 9 foot mounting height and minimum 80-50-20 reflectance values.

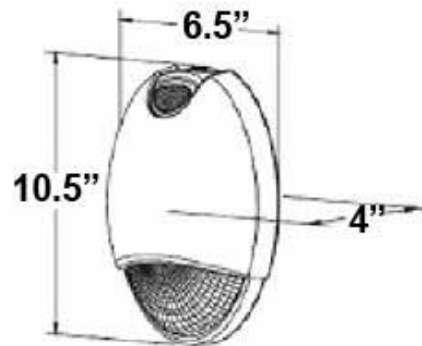


SELF-DIAGNOSTIC AUTO-TEST

Auto-test diagnostics are optional on the Bullet and increase the effectiveness of maintenance/facilities staff members by reducing the amount of time spent on maintaining, testing, and repairing a building’s emergency lighting system.

Purchase the AT option for a few dollars more per unit to eliminate the requirement of monthly/yearly manual testing of emergency lights/exit signs.

DIMENSIONS



CODE COMPLIANCE

The Bullet Series meets or exceeds all performance standards as required by UL 924, UL 1598, UL 8750, NFPA 70, NFPA 101, NEC 700.16, RoHS and WEEE.

WARRANTY

The Bullet Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.



ORDERING INFORMATION

Series/Light Source	Operation	Color	Options
BLT (10W LED)	BB (emergency only)	BR (dark bronze)	AT (self-diagnostics)
	ACBB (AC & emergency)	WH (white)	CL (cold location package -4°F)
		BL (black)	
		SA (silver)	

HAZARDOUS LOCATION SERIES

CLASS 1 DIVISION 2 LED EXIT SIGN



OVERVIEW

The SVX-HZ Class 1 Division 2 Exit Sign is designed for use in hazardous locations that feature flammable and explosive gases, vapors, and dust. Such environments include power plants, chemical processing facilities, and oil refineries.

This Class 1 Division 2 exit sign is waterproof and weatherproof, it can be installed both indoors and out, including in freezing environments.

The body of the SVX-HZ is made from aluminum and features a vandal proof polycarbonate faceplate that protects the unit from moisture and abuse. The polycarbonate faceplate is fully gasketed and fastened with stainless steel tamper resistant screws.

A poly-vinyl chloride frame features a built-in gasket that seals out moisture. This hazardous location exit sign is corrosion and flame resistant.

A powerful battery backup system provides a minimum 90 minutes of illumination during AC power outages. 120 or 277V dual voltage operation. UL 924 Listed as explosionproof for Class 1 Division 2, Groups A, B, C, and D areas and environments.

FEATURES

- Rated for Class 1 Division 2 Groups A, B, C and D
- Gray polycarbonate constructed housing
- Push-to-test button with LED charging indicator
- NEMA 3, 4, 4x, and 12 Rated
- UL 924 Listed for the USA
- 3 year warranty

EXTERNAL SPECIFICATIONS

This Class 1 Division 2 exit sign is composed of an aluminum housing paired with a polycarbonate faceplate. The housing and faceplate are sealed together to prevent fluids, vapors, and gases from entering the inside of the SVX-HZ exit sign.

The housing is tamper-resistant and features a hermetically sealed magnetic test switch that allows for easy testing of the nickel cadmium battery backup system. The entire housing is vandal resistant and approved for use in high abuse areas such as schools and prisons.

These types of fixtures are known as explosion proof exit signs, because the housing is hermetically sealed to prevent the intrusion of any type of gas, vapor, or liquid which could ignite a fire or explosion.

Class 1 Division 2 exit signs are designed for hazardous locations and are thus designed and built under the strictest quality control standards. If you need a model that has emergency lights attached to it.

LED ILLUMINATION SPECIFICATIONS

Red or green LED (Light Emitting Diode) light strips provide brilliant and powerful EXIT illumination while consuming less than 5 watts of electricity at all times.

BATTERY

Class 1 Div 2 exit signs feature a maintenance-free Nickel Cadmium exit sign battery provides 90 minutes of emergency support and lasts for 5-7 years.

The SVX-HZ Class 1 Division 2 Exit Sign is also available in an AC only mode, which does not include the battery backup and is intended for use in buildings that feature backup generators.

INTERNAL HEATER OPTION

The unit can be outfitted with an internal heater (CW option) that keeps battery backup system ready for emergency mode operation for applications that feature freezing temperature environments (up to -4º F)

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220v and 240v.

T6 (maximum 85°C/185°F). Evaluated to UL 924 and UL1598 standards. Suitable for cold-weather: -20°C (selfpowered model, "CW" option) and -40°C (AC only).

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations.

SELF-DIAGNOSTIC TESTING

Standard Self-Diagnostic circuitry continuously monitors every critical function of the unit. If a problem occurs, a single fault indicator on the outside of the fixture flashes immediately.

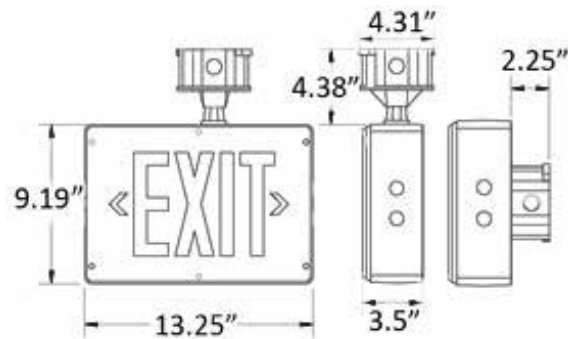
A detailed diagnostic display is located internally. The detailed display will further indicate the nature of the fault as either a battery fault, load fault or a charger fault.



WARRANTY

The SVX-HZ Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

DIMENSIONS



ORDERING INFORMATION

Series	Operation	Face Count	Letter Color	Operation	Options
TLSVX	NHZ (battery backup)	1 (single sided)	R (red)	D (self-diagnostics)	CW (-4°F/-20°C for Self-Powered and -40°F/-40°C for AC only)
	HZ (AC only)	2 (double sided)	G (green)		

HAZARDOUS LOCATION SERIES

CLASS 1 DIVISION 2 LED EXIT SIGN & EMERGENCY LIGHTS COMBO



OVERVIEW

The SVXH Class 1 Division 2 Exit Sign & Emergency Lights Combo is designed for use in hazardous locations that feature flammable and explosive gases, vapors, and dust. Such environments include power plants, chemical processing facilities, and oil refineries. This Class 1 Div 2 exit sign is waterproof and weatherproof, it can be installed both indoors and out, including in freezing environments.

The body of the SVXH is made from aluminum and features a vandal proof polycarbonate faceplate that protects the unit from moisture and abuse. The polycarbonate faceplate is fully gasketed and fastened with stainless steel tamper resistant screws.

A poly-vinyl chloride frame features a built-in gasket that seals out moisture. This hazardous location exit sign is corrosion and flame resistant. 120 or 277V dual voltage operation. UL 924 Listed, Class 1 Division 2, Groups A, B, C, and D.

Two 10-watt, bottom-mounted MR16 Halogen lamps (LED also) provide powerful egress illumination. The lamps are easily positioned and protected by a polycarbonate shield. The nickel cadmium exit sign emergency light battery backup system operates the fixture for at least 90 minutes after AC power loss.

FEATURES

- Rated for Class 1 Division 2 Groups A, B, C and D
- 2 for 1 exit sign and emergency light solution
- Push-to-test button with LED charging indicator
- NEMA 3, 4, 4x, and 12 Rated
- Temperature Code T4A (Max. Temp. 248°F/120°C)
- UL 924 Listed for the USA
- 3 year warranty

EXTERNAL SPECIFICATIONS

This Class 1 Division 2 exit sign and emergency lights combo is composed of an aluminum housing paired with a polycarbonate faceplate that cover the LED exit sign and halogen emergency lamps. The housing and faceplate are sealed together to prevent fluids, vapors, and gases from entering the inside of the SVXH exit sign combo with emergency lights.

The housing is tamper-resistant and features a hermetically sealed magnetic test switch that allows for easy testing of the nickel cadmium battery backup system. The entire housing is vandal resistant and approved for use in high abuse areas such as schools and prisons.

These types of fixtures are known as explosion proof exit signs, because the housing is hermetically sealed to prevent the intrusion of any type of gas, vapor, or liquid which could ignite a fire or explosion.

Class 1 Division 2 exit signs are designed for hazardous locations and are thus designed and built under the strictest quality control standards. If you need a model that has emergency lights attached to it.

LED ILLUMINATION SPECIFICATIONS

Red or green LED (Light Emitting Diode) light strips provide brilliant and powerful EXIT illumination while consuming less than 5 watts of electricity at all times.

BATTERY

Class 1 Div 2 exit sign combos feature a maintenance-free Nickel Cadmium exit sign battery provides 90 minutes of emergency support and lasts for 5-7 years.

The SVXH Class 1 Division 2 Exit Sign Combo can be upgraded to a Nickel-Metal Hydride battery which lasts up to 10 years long and features a 12V 40W capacity.

INTERNAL HEATER OPTION

The unit can be outfitted with an internal heater that keeps battery backup system ready for emergency mode operation for applications that feature freezing temperature environments (up to -4° F)

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220v and 240v.

T6 (maximum 85°C/185°F). Evaluated to UL 924 and UL1598 standards.

CODE COMPLIANCE

UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations.



SELF-DIAGNOSTIC TESTING

Standard Self-Diagnostic circuitry continuously monitors every critical function of the unit. If a problem occurs, a single fault indicator on the outside of the fixture flashes immediately.

A detailed diagnostic display is located internally. The detailed display will further indicate the nature of the fault as either a battery fault, load fault or a charger fault. Audible self-diagnostics available.

LAMP SELECTION GUIDE

- **LA** - 6V 4W MR16 LED
- **LG** - 12V 4W MR16 LED
- **LI** - 12V 5W MR16 LED
- **LJ** - 12V 6W MR16 LED

WARRANTY

The SVXH Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

DIMENSIONS



ORDERING INFORMATION

Series	Operation	Letter Color	Options	# of Heads	Lamp Type
TLSVX	H (6V 20W NiCad)	R (red)	D (self-diagnostic)	0 (0 heads)	LA (6V 4W LED)
	H12N (12V 24W NiCad)	G (green)	AD (audible SD)	2 (2 heads)	LG (12V 4W LED) LI (12V 5W LED) LJ (12V 6W LED)

HAZARDOUS LOCATION SERIES CLASS 1 DIVISION 2 EMERGENCY LIGHT



OVERVIEW

The EXP Series Class 1 Division 2 Emergency Light is suitable for hazardous locations that feature flammable, ignitable, or explosive gases, vapors, or dust particles. Available in a variety of battery voltage and wattage combinations.

Two front-mounted MR16 style lamp heads produce powerful emergency illumination that lasts for a minimum 90 minutes. UL 844, 924, and 1604 Listed. A push-to-test button allows for easy testing of the battery backup system.

This hazardous location emergency light back mounts to normally inflammable surfaces. Operates using 120 or 277V AC power, special voltages available.

This Class 1 Div 2 emergency light is easy to install and is suitable for oil refineries, power plants, and chemical processing facilities. A powerful battery backup system provides a minimum 90 minutes of emergency illumination during power outages.

Auto-Testing (AT) Diagnostics are optional on this Class 1 Division 2 emergency light. All of the hazardous location emergency lights are outfitted with the latest fixture monitoring technology.

FEATURES

- Rated for Class 1 Division 2 hazardous locations
- Gray polycarbonate constructed housing
- Push-to-test button with LED charging indicator
- NEMA 3, 4, 4x, and 12 Rated
- UL 924 Listed for the USA
- 3 year warranty

EXTERNAL SPECIFICATIONS

The EXP Series is constructed from fiberglass reinforced polyester and is approved for a variety of extreme hazardous locations. This Class 1 Div 2 emergency lights is approved for NEMA 3, 4, 4x, 12 areas, and in Class 1 Division 2, Groups A, B, C & D, Zone 2, Groups IIA, IIB, H2 & IIC areas.

Water and corrosion-resistant cabinet is made of fiberglassreinforced polyester. Industrial gray cabinet is fully gasketed around the cover. Battery compartment is vented with a breather vent designed to permit exhaust of battery gases without admitting external moisture or corrosives.

A clear polycarbonate shield creates a window that allows for easy monitoring of the AC indicator light and optional ammeter and voltmeter. Comes with (2) MR16 lamps that can be outfitted in either halogen or LED.

LAMP SELECTION GUIDE

- **MR16**
6W, 10W (6V) or 10W, 12W, and 20W (12V)
- **LED MR16**
5W (6V) or 3W, 5W, and 7W (12V)

BATTERY

The EXP uses Ni-Cad and Lead-Acid batteries to provide a minimum 90 minutes of power to the (2) lamp heads. Remotely located lamp heads can be configured for extended run times of up to 4.5 hours.

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220v and 240v.

SELF-DIAGNOSTIC TESTING

Optional Auto-Testing (AT) Diagnostics circuitry continuously monitors every critical function of the unit. If a problem occurs, a single fault indicator on the outside of the fixture flashes immediately.

A detailed diagnostic display is located internally. The detailed display will further indicate the nature of the fault as either a battery fault, load fault or a charger fault.

ADDITIONAL OPTIONS

Additional options include a Wire Guard (WG), Voltmeter (VM), and Nickel-Cadmium Battery (NC). Consult the ordering matrix below for more information on available options for the EXP Series.

CODE COMPLIANCE

CSA Listed to UL924 for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations. NSF Standard 2.

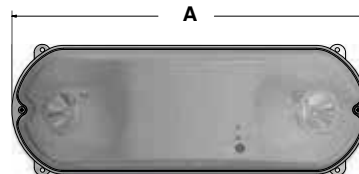
WARRANTY

The EXP Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.



DIMENSIONS

- A** = 16.25" (413mm)
- B** = 7.5" (191mm)
- C** = 6.0" (152mm)



ORDERING INFORMATION

Series & Voltage	Capacity & Battery Type	Lamp Type	Lamp (watts)	Options
EXP-6 (6 volt DC)	18 watts (6V SLA)	MR16 (halogen)	6W, 10W, 12W, or 20W	AT (auto-test)
EXP-12 (12 volt DC)	22 watts (6V NC)	LED MR16 (LED)	3W, 5W, or 7W (LED)	VM (ammeter)
	27 watts (6V, 12V SLA)			WG (wire guard)
	36 watts (6V, 12V SLA)			CC (cusotm color)
	42 watts (6V, 12V NC)			BZ (audible alarm)
	54 watts (6V NC)			
	60 watts (6V, 12V SLA)			

HAZARDOUS LOCATION SERIES

CLASS 1 DIVISION 2 EMERGENCY LIGHT



OVERVIEW

The SVH Class 1 Division 2 Emergency Light is suitable for hazardous locations that feature flammable, ignitable, or explosive gases, vapors, or dust particles. Available in a variety of battery voltage and wattage combinations.

Two bottom-mounted MR16 style lamp heads produce powerful emergency illumination that lasts for a minimum 90 minutes. UL 844, 924, and 1604 Listed. A push-to-test button allows for easy testing of the battery backup system.

This hazardous location emergency light back mounts to normally inflammable surfaces. Operates using 120 or 277V AC power, special voltages available.

This Class 1 Div 2 emergency light is easy to install and is suitable for oil refineries, power plants, and chemical processing facilities. A powerful battery backup system provides a minimum 90 minutes of emergency illumination during power outages.

Self-Testing Diagnostics are standard on this Class 1 Division 2 emergency light. All of the hazardous location emergency lights are outfitted with the latest technology and designed for the most extreme environments.

FEATURES

- Rated for Class 1 Division 2 hazardous locations
- Gray polycarbonate constructed housing
- Push-to-test button with LED charging indicator
- NEMA 3, 4, 4x, and 12 Rated
- UL 924 Listed for the USA
- 3 year warranty

EXTERNAL SPECIFICATIONS

The SVH Series is constructed from fiberglass reinforced polyester and is approved for a variety of extreme hazardous locations. This Class 1 Div 2 emergency lights is approved for NEMA 3, 4, 4x, 12 areas, and in class I, Division 2, Groups A, B, C & D, Zone 2, Groups IIA, IIB, H2 & IIC areas.

Water- and corrosion-resistant cabinet is made of fiberglassreinforced polyester. Industrial gray cabinet is fully gasketed around the cover. Battery compartment is vented with a breather vent designed to permit exhaust of battery gases without admitting external moisture or corrosives.

A clear polycarbonate shield creates a window that allows for easy monitoring of the AC indicator light and optional ammeter and voltmeter. Comes standard with Class 1 Div 2 rated polycarbonate sealed beam LED MR16 lamp heads.

LED LAMP SELECTION GUIDE

- **LA** - 6V 4W LED MR16
- **LG** - 12V 4W LED MR16
- **LI** - 12V 5W LED MR16
- **LJ** - 12V 6W LED MR16

BATTERY

The SVH uses sealed lead-calcium emergency light batteries which provide a minimum 90 minutes of emergency power to the (2) lamp heads. The SVH provide power to remotely located lamp heads and can be configured for extended run times of up to 4.5 hours.

SELF-DIAGNOSTIC TESTING

Standard Self-Diagnostic circuitry continuously monitors every critical function of the unit. If a problem occurs, a single fault indicator on the outside of the fixture flashes immediately.

A detailed diagnostic display is located internally. The detailed display will further indicate the nature of the fault as either a battery fault, load fault or a charger fault.

TIME DELAY OPTION

This option is ideal for installations that are utilizing fluorescent and HID lamps for general lighting purposes. The time delay feature keeps the emergency lights illuminated for a preset period (usually 15 minutes) after power is restored since fluorescent and HID lighting can take 10-15 minutes to reach full brightness, even after a short power failure.

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220v and 240v.

CODE COMPLIANCE

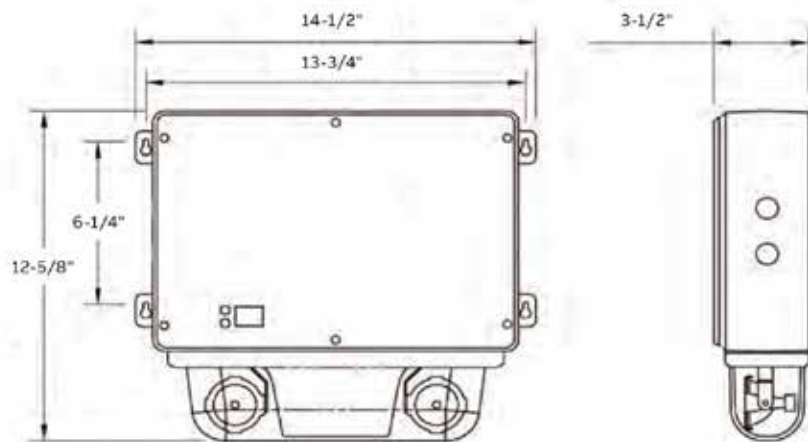
UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations.



WARRANTY

The SVH Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

DIMENSIONS



ORDERING INFORMATION

Series	Capacity	Heads	Lamps	Diagnostics	Options
TL	SVH18 (6V 18W)	2 (double)	LA (6V 4W)	D (self-diagnostics)	TD (time delay)
	12SVH36 (12V 36W)	0 (none)	LG (12V 4W)	DA (audible self-diagnostics)	
	12SVH60 (12V 60W)		LI (12V 5W)		
	12SVH72 (12V 72W)		LJ (12V 6W)		

HAZARDOUS LOCATION SERIES CLASS 1 DIVISION 2 & CLASS 2 DIVISION 2 EMERGENCY LIGHT



OVERVIEW

The TLHP Class 1 Division 2 & Class 2 Division 2 emergency light is suitable for hazardous locations that feature flammable, ignitable, or explosive gases, vapors, or dust particles. Available in a variety of battery voltage and wattage combinations.

Two bottom-mounted four-LED, dual-driver lamp heads produce powerful emergency illumination that lasts for a minimum 90 minutes. UL 844, 924, and 1604 Listed. A push-to-test button allows for easy testing of the battery backup system.

This hazardous location emergency light back mounts to normally inflammable surfaces. Operates using 120 or 277V AC power, special voltages available.

This Class 1 Div 2 & Class 2 Div 2 emergency light is suitable for oil refineries, power plants, and chemical processing facilities. A powerful battery backup system provides a minimum 90 minutes of emergency illumination during power outages.

Self-Testing Diagnostics are standard on this Class 1 Division 1 & 2 emergency light. All of the hazardous location emergency lights are outfitted with the latest technology and designed for the most extreme environments.

FEATURES

- Class 1 Division 2, Groups A, B, C, & D
- Class 2 Division 2, Groups F & G
- Gray fiberglass constructed housing
- Infrared remote for simple testing
- NEMA 3, 4, 4X, and 12 Rated
- UL 924 Listed for the USA
- 3 year warranty

EXTERNAL SPECIFICATIONS

The TLHP Series is constructed from fiberglass reinforced polyester and is approved for a variety of extreme hazardous locations. This Class 1 Division 2, Groups A, B, C, & D emergency lights is approved for NEMA 3, 4, 4X, 12 areas. It is also Class 2 Division 2, Groups F & G rated.

Water and corrosion-resistant cabinet is made of fiberglass reinforced polyester. Industrial gray cabinet is fully gasketed around the cover.

A small window that allows for easy monitoring of the AC indicator light and self-diagnostic functionality. Comes standard with explosion proof lamp heads.

LED LAMP HEAD OVERVIEW

- 15W LED lamp head
- 1300 lumens per lamp
- Outperforms 50W Halogen MR16
- Die-cast aluminum construction

BATTERY

The TLHP uses sealed lead-calcium or nickel-cadmium emergency light batteries which provide a minimum 90 minutes of emergency power to the (2) lamp heads. The TLHP can provide power to remotely located lamp heads and can be configured for extended run times of up to 4.5 hours.

SELF-DIAGNOSTIC TESTING

Standard Self-Diagnostic circuitry continuously monitors every critical function of the unit. If a problem occurs, a single fault indicator on the outside of the fixture flashes immediately.

A detailed diagnostic display is located internally. The detailed display will further indicate the nature of the fault as either a battery fault, load fault or a charger fault.

COLD LOCATION OPTION

The unit can be outfitted with an internal heater that keeps battery backup system ready for emergency mode operation for applications that feature freezing temperatures as low as -40°F (-40°C).

ELECTRICAL SPECIFICATIONS

120/277V AC dual-voltage operation is standard. Other voltages available upon request such as 220v and 240v.

CODE COMPLIANCE

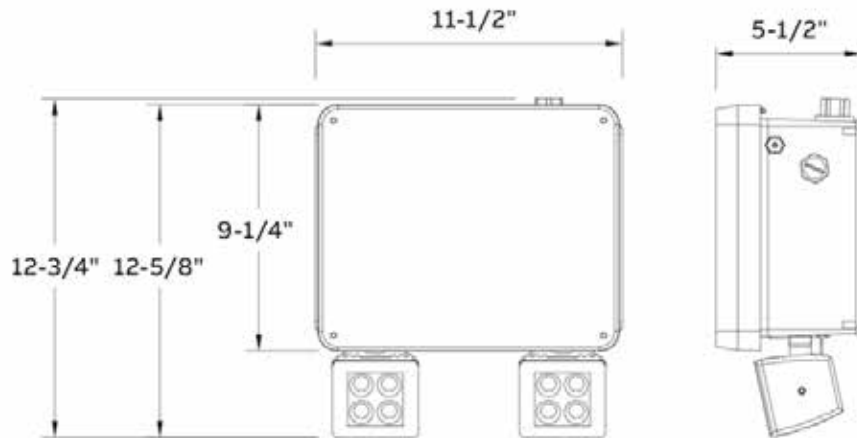
UL924 Listed for the U.S. and Canada, CS860, NFPA, Life Safety 101, UL Listed for Damp Locations. UL Listed for Wet Locations.



WARRANTY

The HP Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty. Battery features a 20% per year pro-rata warranty.

DIMENSIONS



ORDERING INFORMATION

Series	Capacity	Heads	Lamps	Diagnostics	Options
TLHP	M30 (12V 30W lead-calcium)	2 (double)	L15 (15W LED)	D (self-diagnostics)	CL (cold location)
	M60 (12V 60W lead-calcium)	1 (one)		DA (audible self-diagnostics)	
	N40 (12V 40W nickel-cadmium)	0 (none)		D3 (self-diagnostics + 15-minute time delay)	
	N90 (12V 90W nickel-cadmium)				

TLF39 SERIES

NEMA 4X WET LOCATION REMOTE LAMP HEAD



PRODUCT SUMMARY

Specifically designed for high abuse areas, and wet and cold weather locations. TLF39 remote fixtures are fully gasketed with a die cast aluminum back plate and a clear heavy-duty UV resistant polycarbonate light cover. Easy lamp replacement, tool-less lamp aiming and easy installation on a four-inch octagonal box make this remote the perfect choice for any environment.

FEATURES

- Available in single or double lamp configurations with the option of halogen MR16 lamps or the 4W, 5W, & 6W LED MR16 lamps.
- Delivers unsurpassed path of egress illumination, up to 70 feet, center to center, when using (2) 20W MR16-IR lamps.
- Fully gasketed cast aluminum back plate with a clear UV and impact resistant cover.
- Choice of three colors: off-white, black, or gray.
- Comes standard with tamper-proof screws and bit.
- Easy installation on a 4-inch octagonal box.
- NEMA 4X rated, NSF Certified for food processing plants

EXTERNAL SPECIFICATIONS

The NEMA 4X housing for the TLF39 Series will stand up to harsh outdoor conditions. It is designed to withstand sleet, snow, rain and lightly corrosive elements.

The tamper-proof hardware, which comes standard, insures that the unit can be put into high-abuse areas without worry of vandalization or damage.

LAMP SELECTION GUIDE

- **MI** - 6V 6W MR16
- **MJ** - 6V 10W MR16
- **MK** - 12V 12W MR16
- **LA** - 6V 4W LED MR16
- **LG** - 12V 4W LED MR16
- **LI** - 12V 5W LED MR16
- **LJ** - 12V 6W LED MR16
- **LL** - 24V 4W LED MR16
- **MS** - 24V 12W MR16
- **MD** - 24V 20W MR16



INSTALLATION

The cast aluminum back plate enables easy installation onto normally inflammable surfaces.

WARRANTY

The TLF39 Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty.

ORDERING INFORMATION

Model	Lamp Type/Wattage	Color
TLF39 (single)	See lamp selection	Blank (white)
TLF39D (double)	guide above	BK (black)
		GY (gray)

TLF41 SERIES
CLASS 1 DIVISION 2 REMOTE LAMP HEAD



PRODUCT SUMMARY

Specifically designed for Class 1 Division 2 hazardous locations. Explosion proof TLF41 remote fixtures are fully gasketed with a die cast aluminum back plate and a clear heavy-duty UV resistant polycarbonate light cover. Easy lamp replacement, tool-less lamp aiming and easy installation on a four-inch octagonal box make this remote the perfect choice for any environment.

FEATURES

- Available in single or double lamp configurations with the option of highly delivered MR16 lamps or the 4W MR16 white LED lamp.
- Delivers unsurpassed path of egress illumination, up to 70 feet, center to center, when using (2) 20W MR16-IR lamps.
- Fully gasketed cast aluminum back plate with a clear UV and impact resistant cover.
- Choice of three colors: off-white, black, or gray.
- Comes standard with tamper-proof screws and bit.
- Easy installation on a 4-inch octagonal box.
- UL844 for Class 1 Division 2, Groups A, B, C, and D.
- Temperature Codes: T3B (10W and 12W MR16 lamps) and T2C (20W MR16 lamps).
- Extreme operational temperature range: -40° F to +104° F (-40° C to +40° C)

EXTERNAL SPECIFICATIONS

The NEMA 4X housing for the TLF41 Series will stand up to harsh outdoor conditions. It is designed to withstand sleet, snow, rain and lightly corrosive elements.

The tamper-proof hardware, which comes standard, insures that the unit can be put into high-abuse areas without worry of vandalization or damage.

LAMP SELECTION GUIDE

- **LA** - 6V 4W LED MR16
- **LG** - 12V 4W LED MR16
- **LI** - 12V 5W LED MR16
- **LJ** - 12V 6W LED MR16
- **LL** - 24V 4W LED MR16
- **LV** - 120V 4W LED MR16

INSTALLATION

The cast aluminum back plate enables easy installation onto normally inflammable surfaces.



WARRANTY

The TFL41 Series comes with a 3-year factory warranty. The lamps are not covered. Deliberate damage, misuse, or improper installation effectively cancel the warranty.

ORDERING INFORMATION

Model	Lamp Type/Wattage	Color
TLF41 (single)	See lamp selection	Blank (white)
TLF41D (double)	guide above	BK (black)
		GY (gray)

SEALED LEAD ACID BATTERIES

FOR EMERGENCY LIGHTS, BATTERY PACKS, UPS SYSTEMS



OVERVIEW

Sealed lead acid batteries store energy using a reversible chemical reaction between lead plates and sulfuric acid (electrolyte).

Sealed lead acid batteries are the most popular type of battery throughout the entire world. They are utilized for a variety of applications including emergency lighting, which is our company's specialty and the most common place to find a lead acid battery installed.

They are also used to power UPS systems (uninterrupted power supply), golf carts/small recreational vehicles, and a variety of other applications.

EXTERNAL SPECIFICATIONS

The sealed lead acid batteries that we offer come with an ABS thermoplastic housing that is durable and designed to last up to 10 years in the field.

Metal Faston (F) connection terminals are top-mounted and universally used throughout all industries for easy connection, maintenance, and testing.

WARRANTY

Lead acid batteries have an average lifespan of 3-5 years and come with a 3-year pro-rata warranty.

INTERNAL SPECIFICATIONS

Our 6, 12, and 24 volt lead acid batteries are made up of 2 volt cells. Each cell contains lead plates of different compositions sitting in acid.

The lead plates are linked to the positive terminal of the battery and react with the acid to form lead sulphate giving up electrons (leaving the plate positive).

The pure lead plates are linked to the negative terminal of the battery and react with sulphate ions to also form lead sulphate. The pure lead plates supply two positive charges and are so left negative.

The passage of electrons from lead oxide plates to the pure lead plates is the current of the electricity generated by the cell which can be used.

RECHARGING LEAD ACID BATTERIES

When the battery is recharged, which takes 24-hours, the lead sulphate in each cell is broken down resulting in lead dioxide being redeposited on the positive electrode, and lead being replaced on the negative electrodes.

Make sure to allow batteries which are seemingly dead, to charge 24 hours before testing. Dispose of depleted lead acid batteries properly.



BATTERY MODELS

The following battery configurations are the most popular models that we offer for lead acid batteries. Freight allowed on orders over \$2,000.00

AVAILABLE CONFIGURATIONS

Voltage/Capacity	Description	Case Quantity	Model Number
4V4.5AH	4 Volt 4.5 Amp Sealed Lead Acid	20	SLA-445
4V9.0AH	4 Volt 9.0 Amp Sealed Lead Acid	10	SLA-490
6V1.2AH	6 Volt 1.2 Amp Sealed Lead Acid	40	SLA-612
6V3.8AH	6 Volt 3.8 Amp Sealed Lead Acid	20	SLA-638
6V4.5AH	6 Volt 4.5 Amp Sealed Lead Acid	20	SLA-645
6V7AH	6 Volt 7 Amp Sealed Lead Acid	10	SLA-670
6V12AH	6 Volt 12 Amp Sealed Lead Acid	10	SLA-6120
12V0.8AH	12 Volt 0.8 Amp Sealed Lead Acid	20	SLA-12008
12V1.2AH	12 Volt 1.2 Amp Sealed Lead Acid	20	SLA-12012
12V2AH	12 Volt 2 Amp Sealed Lead Acid	20	SLA-12020
12V2.3AH	12 Volt 2.3 Amp Sealed Lead Acid	20	SLA-12023
12V3.4AH	12 Volt 3.4 Amp Sealed Lead Acid	10	SLA-12034
12V5.0AH	12 Volt 5.0 Amp Sealed Lead Acid	10	SLA-12050
12V7.5AH	12 Volt 7.5 Amp Sealed Lead Acid	5	SLA-12075
12V12AH	12 Volt 12 Amp Sealed Lead Acid	4	SLA-12120
12V18AH	12 Volt 18 Amp Sealed Lead Acid	4	SLA-12180
12V20AH	12 Volt 20 Amp Sealed Lead Acid	4	SLA-12200
12V26AH	12 Volt 26 Amp Sealed Lead Acid	2	SLA-12260
12V33AH	12 Volt 33 Amp Sealed Lead Acid	1	SLA-12330
12V40AH	12 Volt 40 Amp Sealed Lead Acid	1	SLA-12400
12V55AH	12 Volt 55 Amp Sealed Lead Acid	1	SLA-12550
12V70AH	12 Volt 70 Amp Sealed Lead Acid	1	SLA-12700
12V75AH	12 Volt 75 Amp Sealed Lead Acid	1	SLA-12750
12V110AH	12 Volt 110 Amp Sealed Lead Acid	1	SLA-121100
12V150AH	12 Volt 150 Amp Sealed Lead Acid	1	SLA-121500
12V200AH	12 Volt 200 Amp Sealed Lead Acid	1	SLA-122000

NICKEL CADMIUM BATTERIES

FOR SIGNS, LIGHTS, TOYS, AND MORE



OVERVIEW

Nickel cadmium (NiCad) batteries are a popular type of rechargeable battery that uses nickel oxide hydroxide and metallic cadmium as electrodes. NiCad is a common abbreviation for this battery's name. This type of battery resembles common A, C, and D cell alkaline batteries found throughout all types of retail locations.

With the advent of the LED exit sign, which replaced the previous incandescent version, battery load decreased. This allowed the nickel cadmium batteries to become the battery for 90% of exit signs sold today.

Nickel cadmium batteries are more efficient and longer lasting than sealed lead acid batteries and feature popular use in emergency lights, cordless cell phones, remote controlled race cars, and more.

EXTERNAL SPECIFICATIONS

Nickel cadmium batteries are sealed and wrapped in an industrial grade, thin poly carbonate housing that is shrink-wrapped to hold the batteries securely together.

Red and black wire leads are provided for connection to the device in which it is being installed into.

INTERNAL SPECIFICATIONS

Nickel cadmium batteries come in a variety of configurations, although a few are much more popular than others. This catalog page refers to nickel cadmium batteries that are combinations of 1, 2, 3, 4, or 5, 1.2V 700MAH AA cells which are shrink wrapped to replicate the battery being replaced.

The most popular configurations are 1, 2, 3, 4, and 5-cell packs, which would have voltages of 1.2, 2.4, 3.6, 4.8, and 6.0, respectively.

NiCad batteries are constructed by first fusing nickel powder at a high pressure and temperature well below its melting point creates sintered plates. Positive and negative plates are produced by soaking the nickel plates in nickel and cadmium-active materials.

The cylindrical design for consumer NiCad batteries incorporates several layers of positive and negative material rolled into a cylindrical shape, which precludes internal resistance as there is a greater amount of electrode in contact with the active material in each cell.

WARRANTY

Lead acid batteries have an average lifespan of 3-5 years and come with a 3-year pro-rata warranty



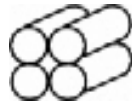
CONFIGURATIONS



Model #1



Model #3



Model #10



Model #14



Model #19



Model #26



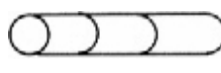
Model #2



Model #4



Model #11



Model #15



Model #28



Model #27

WHOLESALE PRICING MATRIX

The following battery configurations are the most popular models that we offer for nickel cadmium batteries. Freight allowed on orders over \$2,000.00.

We carry more models of nickel cadmium batteries in other sizes such as C and D cells - just let us know what you need.

PRICING INFORMATION

Voltage/Capacity	Description	Model Number
1.2V700MAH	1.2 Volt 700 Milliamp Nickel Cadmium	NCD-120
2.4V700MAH-1	2.4 Volt 700 Milliamp Nickel Cadmium	NCD-240-1
2.4V700MAH-14	2.4 Volt 700 Milliamp Nickel Cadmium	NCD-240-14
3.6V700MAH-2	3.6 Volt 700 Milliamp Nickel Cadmium	NCD-360-2
3.6V700MAH-15	3.6 Volt 700 Milliamp Nickel Cadmium	NCD-360-15
3.6V700MAH-26	3.6 Volt 700 Milliamp Nickel Cadmium	NCD-360-26
4.8V700MAH-3	4.8 Volt 700 Milliamp Nickel Cadmium	NCD-480-3
4.8V700MAH-10	4.8 Volt 700 Milliamp Nickel Cadmium	NCD-480-10
4.8V700MAH-19	4.8 Volt 700 Milliamp Nickel Cadmium	NCD-480-19
4.8V700MAH-27	4.8 Volt 700 Milliamp Nickel Cadmium	NCD-480-27
6.0V700MAH-4	6.0 Volt 700 Milliamp Nickel Cadmium	NCD-600-4
6.0V700MAH-28	6.0 Volt 700 Milliamp Nickel Cadmium	NCD-600-28

EMERGENCY BALLASTS BATTERY BACKUP FOR CFL AND LINEAR FLUORESCENT LAMPS



OVERVIEW

The EMB Series of emergency ballasts are designed to provide emergency electrical power and illumination capability to existing or new fluorescent fixtures. Emergency ballasts consist of an internal nickel cadmium battery, charger, and electronic circuit. A durable steel housing contains all components.

The lumen output for these emergency ballasts ranges between 500 and 3,000. Detailed installation instructions are provided to insure all connections are properly and safely made.

DIMENSIONS

Series	A	B	C
EMB-500	9.4"	2.4"	1.5"
EMB-700	9.4"	2.4"	1.5"
EMB-1400	13.3"	2.4"	1.5"
EMB-3000	16.3"	5.5"	1.7"
EMB-650-CFL2	9.5"	2.375"	1.5"
EMB-750-CFL4	9.5"	2.375"	1.5"
EMB-500-T5	9.5"	2.375"	1.5"
EMB-800-T5	17.5"	1.18"	1.15"
EMB-1300-T5	21.5"	1.18"	1.15"

INSTALLATION

The EMB is suitable for new build and retrofit installations. Indoor, cold temperature and damp location models are available to be configured for installation on normally inflammable surfaces.

COMPLIANCE

The EMB Series is UL Listed for the United States. Meets NFPA 101 Life Safety Code, IBC, IFC, ICC.

WARRANTY

The EMB Series comes with a three-year factory warranty.

LAMP OPERATING GUIDE

Series	Lumens	# of Lamps	Description
EMB-500	500	1	2'-4' single, bi-pin T8-T12 linear fluorescent
			2'-8' single, bi-pin T8-T12 linear fluorescent
EMB-700	700	1,2	2'-4' double, bi-pin T8-T12 linear fluorescent
			2'-8' single, bi-pin T8-T12 linear fluorescent
EMB-1400	1400	1,2	2-4' double, bi-pin T8-T12 linear fluorescent
			2'-8' single, bi-pin T8-T12 linear fluorescent
EMB-3000	3000	1, 2	2-4' double, bi-pin T8-T12 linear fluorescent
			7, 9, 12w twin tube, 2 pin CF
EMB-650-CFL2	650	1, 2	9-13w quad tube, 2 pin CF
EMB-750-CFL4	750	1	10-42w 4 pin rapid start CF
EMB-500-T5	500	1	2'-4' T5-T5HO linear
EMB-800-T5	800	1,2	2'-4' T5-T5HO linear
EMB-1300-T5	1300	1,2	2'-4' T5-T5HO linear