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|-------------|--|-----------|--|------|--|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |



Sure-Lites +

LPX7GSF, LPX7RSF Exit Sign

Battery Backup Universal Mount Exit Sign
Single or Double-Faced
UV Stable Thermoplastic Housing
UL 94 5VA Flame Rating

Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial • Manufacturing

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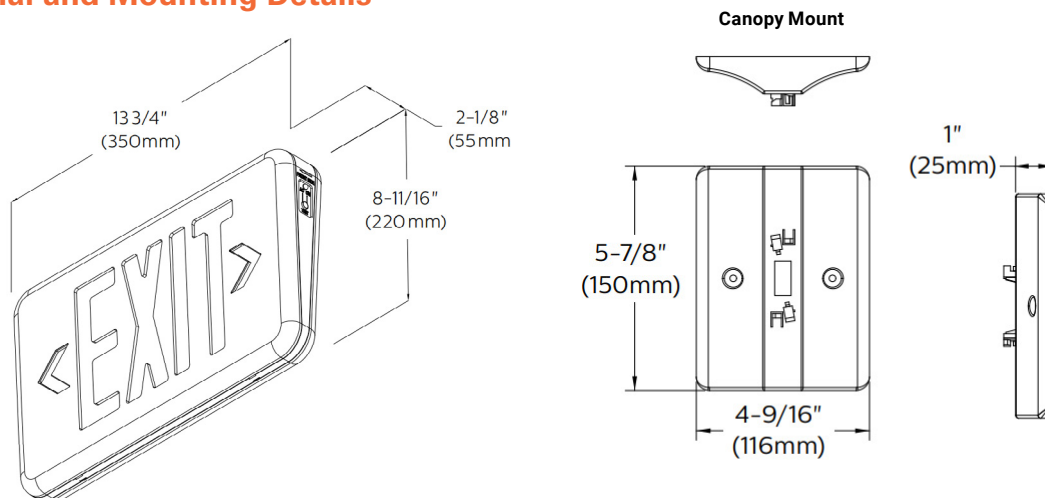
Product Certification



Top Product Features

- FirstLink connectivity for easy emergency lighting system testing and maintenance
- Easy installation with ABConnect
- Automatic code-compliant testing
- UL 924 Listed for field installation
- Meets DOE efficiency standards
- Universal mounting
- Single or double-faced
- Standard fire alarm input function for remote activation from fire alarm panel (24 Vdc)

Dimensional and Mounting Details



Ordering Information

SAMPLE ORDER NUMBER: **LPX7GSF, LPX7RSF**

| Product Category | Power | Color | Options |
|--|----------------------------|--|------------------------------------|
| Product Category | Power | Color | Options |
| LPX = Sure-Lites Exit Sign (Family A) | 7 = Battery Powered | R = Red Letters on White Housing G = Green Letters on White Housing | SF = Self Testing FirstLink |

Product Specifications

Regulatory

- Listed to UL 924 for Field Installation in US and Canada (Indoor and Damp)
- NFPA 70 (National Electric Code)
- NFPA 101 (Life Safety Code)
- CEC Title 20 Compliant

Illumination Time

- 90 Minutes

AC Input Voltage

- Universal input 120 - 277 VAC, 50/60 Hz

AC Input Current (max)

- 120 Vac = 54 mA
- 277 Vac = 34 mA

Recharge Time

- 24 Hours

Charging Indicator Light / Test Switch

- Integrated LED Test Switch

Temperature Rating (Ambient)

- 50° F to 104° F (10° C to 40° C)

Battery

- Integral Maintenance-Free Lithium-Ion Battery

Construction

- White thermoplastic housing
- UL94 5VA Flame Rated, UV stable
- Contractor friendly snap together design
- Electronics and battery contained within housing

Installation

- Universal wall/end/ceiling mounting (universal mounting adapter provided for wall and end mounting)
- Back plate keyhole slots are easily removable knockouts for securing to a 3" or 4" j-box
- Pop-out directional indicating chevrons easily removed as required
- Extra stencil face plate provided for double faced applications

Sign Color

- Red or Green LEDs (depending on model)

Wireless range*

- 40' (typical minimum)
- 80' (line of sight)

Surge Rating

- NEMA/ANSI C82.77-5-2017 100kHz Ring Wave (w/t 30Ω)
- >2.5kV Differential (L-N)
- >2.5kV Common (L-G, N-G, L & N-G)

Dimensions

- 8.7" H x 13.75" W x 2.13" D (220mm x 350mm x 255mm)

Weight

- 2.6 lbs. (1.18 kg)

Warranty

- 5 Years (not pro-rata)

* Wireless range can be impacted by many factors, which must be taken into account during the system design.

Technical Data

Application

- The Sure-Lites Battery Backup Exit Sign is a connected, high efficiency, emergency exit sign with integral battery backup to indicate the emergency path of egress.
- The LPX comes with self-testing/self-diagnostic features, along with Firstlink connectivity, to ensure the product is always ready for an emergency and to simplify code compliance testing and maintenance.

Operation

- When under normal power, the LPX's internal battery charges and the exit sign lettering is illuminated. Upon failure of normal power, the LPX begins providing emergency power to the exit sign lettering using the internal battery for a minimum of 90 minutes. When normal power is restored, the LPX automatically returns to charge mode. The battery capacity is fully restored in 24 hours.
- During automated testing, the LPX simulates an AC power outage which causes the unit to switch to emergency mode and conduct a discharge test to monitor battery voltage and load operation. If a problem is detected the status indicator light flashes and the failure is logged. When testing is complete, the LPX returns to the charging mode. Automatic testing is conducted for 30 seconds once a month and 90 minutes once a year.
- The optional fire alarm interface, when connected, causes the exit sign to flash when the local fire alarm is activated.
- ABConnect feature simplifies shipping, storage, installation, and commissioning of the emergency lighting luminaire. It allows for the luminaire to be installed and made ready for use without needing to reopen the luminaire when AC power is available, also avoiding unnecessary drain on the battery. Once activated, the product can also be manually disabled, allowing the product or the luminaire to be safely stored for extended periods of time. In the situation where the user manually deactivates the emergency operation for shipping or storing product via the test switch, the ABConnect feature reactivates power when the driver senses that AC current is applied. This feature saves time, labor and the potential to overlook the converter connector step. This reduces the possibility of inadvertently discharging the battery prior to installation, whether in transit or storage.

Installation

- The LPX can be either surface, wall, or ceiling mounted, as required by the end application. Canopy not required for surface mounting (electronics contained inside housing).
- Exit sign mounts to standard single gang, 3" and 4" electrical boxes (canopy provided). All exit signs are provided with an extra stencil face plate for double face sign applications.
- The LPX includes pop-out chevron directional indicators that are easily removed when required.
- The LPX requires unswitched AC line to illuminate the exit sign under normal mode, to charge the battery, and to identify when normal power is lost and when the unit must switch into the emergency mode.

Code Compliance

- The LPX has been tested by Underwriters Laboratories in accordance with the standards set forth in UL 924, "Emergency Lighting and Power Equipment".
- The LPX is UL Listed for field installation. Emergency illumination time exceeds the National Electrical Code (NEC), Life Safety Code (NFPA-LSC), and UL 90-minute requirements.

Specification

- Emergency exit indication shall be provided by using the FirstLink Sure-Lites Battery Backup Exit Sign from Sure-Lites. Electronic circuitry shall be self-testing in design and automatically test emergency lighting for a minimum of 30 seconds every 28 days and 90 minutes once a year. The LPX shall come equipped with standard fire alarm input function for remote activation from fire alarm panel.
- When connected to the FirstLink app, the LPX test data will be collected, test results reports generated, and additional control and data are to be had.
- The LPX shall provide emergency egress indication at 10°C to 40°C for a minimum of 90 minutes, and shall exceed emergency standards set forth by the current NEC. This device shall comply with Part 15 of the FCC Rules, and meet DOE (Department of Energy) efficiency standards. It shall be UL Listed, suitable for damp locations, and warranted for five years from date of manufacture.

Warranty

- The LPX is warranted for five (5) years from the date of manufacture. This warranty covers only properly installed product used under normal conditions.
- For the warranty period, Sure-Lites will, at its option, repair or replace without charge a defective product provided it is returned to the factory transportation prepaid. An inspection will be conducted to determine if the unit is defective under the terms of the warranty.
- Repair or replacement, as stated, shall constitute the purchaser's exclusive warranty, which does not extend to transportation, installation, labor or any other charges; nor does it apply to any equipment of another manufacturer used in conjunction with the product.