

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Sure-Lites +

### LPXCG55SF/LPXCR55SF with Connected Emergency Lighting

Combination LED Exit and Emergency  
FirstLink Compatible for Automated Testing and Reporting  
90 Minutes emergency run time  
55' of egress coverage

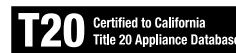
#### Typical Applications

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

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#### Product Certification



#### Product Features

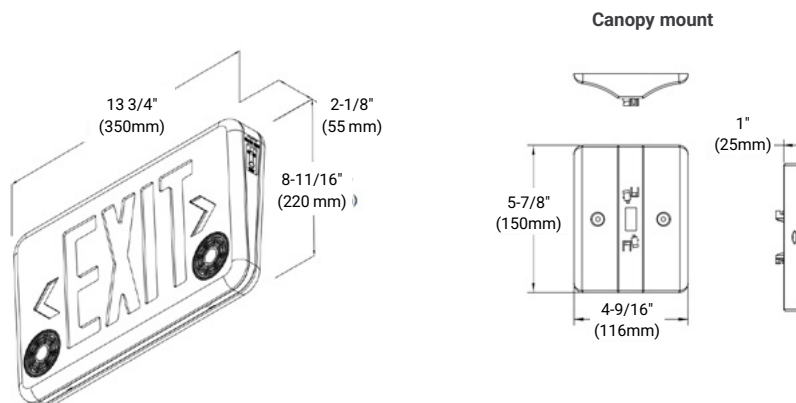


### Top Product Features

- 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
- Standard fire alarm input function for remote activation from fire alarm panel (24 Vdc)
- Universal mounting

### Dimensional and Mounting Details

15.34" x 2.25" x 1.16" | Product Weight: 3.45 lbs. (1.56kg) | Mounting Center - 15.0"



## Ordering Information

SAMPLE ORDER NUMBER: LPXCG55SF, LPXCR55SF

Product Category	Letters	Coverage	Options
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LPXC= LED thermoplastic Combo	R= Red G= Green	55= 55 feet	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)
- DOE Compliant

## Emergency Output Lumens (lamp heads)

- 520 lumens (total)
- Fixture spacing - see page 4

## Illumination Time

- 90 Minutes

## AC Input Voltage

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

## AC Input Current (max)

- 120 Vac = 60 mA
- 277 Vac = 40 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

## Lamps

- Red or Green LEDs (depending on model)
- Two (2) 2.2 W LED lamp sources (5000K)
- Lamp heads adjustable

## Wireless range\*

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

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

## 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

- 2.9 lbs. (1.32 kg)

## Warranty

- 5 Years (not pro-rata)

## Technical Data

### Application

- The Sure-Lites LPX Combo Exit Sign is a multi-purpose product that combines the benefits of an emergency exit sign and high performance emergency lighting unit equipment to indicate and illuminates the emergency path of egress.
- Two lamp heads can be adjusted to provide optimum illumination and the unit 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 lamp heads and 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 every 28 days 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 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). The LPX includes pop-out chevron directional indicators that are easily removed when required. Exit sign mounts to standard single gang, 3" and 4" electrical boxes (canopy provided). 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.

### Emergency Illumination

- The LPX lamp heads provide 520 lumens of code compliant emergency illumination at unit-to-unit spacings up to 76'. For more information, see the illustration and table on page 4.

### 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.

### 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.

### Specification

- Emergency exit and egress path lighting shall be provided by using the FirstLink Sure-Lites LPX Combo 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 lighting 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.

## Performance

Meets Life Safety Code Illumination standard average of 1.0 FC, no point less than 0.1 FC max to min ratio of 40:1. Assumes open space with no obstructions. NFPA 101, Life Safety Code matches California Fire Code of Regulations, Title 24. Normal operation (off/standby) is not to be confused with emergency operation.

Sure-Lites LPX combo exit performance				
80/50/20 Reflectance <sup>†</sup>		10/10/10 Reflectance <sup>†</sup>		
	3' Path	6' Path	3' Path	6' Path
Single Unit Coverage	56'	52'	48'	40'
Center-to-Center	76'	60'	63'	55'

- Based on 6ft corridor and 9ft ceiling height and a mounting height of 7.5ft.
- Based on 200ft by 200ft open area and 30ft ceiling height.

