

Type No. \_\_\_\_\_  
 Job Name \_\_\_\_\_  
 Catalog No. \_\_\_\_\_



**Shown: WL220PF3SC**

# Wet-Lok Series

**NEMA 4X, IP66, Harsh Environment  
Emergency Lighting**

**Standard Self-Diagnostics Electronics\***

**12 and 24 Volt, 200 to 450 Watts\*\***

\*Self-powered models incorporate the Smart Charger diagnostics electronics package. Self-testing is a factory installed option.

\*\*24 volt system available in 300 and 450 watt capacity only

## Housing

- Constructed of impact-resistant Lexan® with corrosion-resistant hardware
- A one-piece, molded gasket, and unexposed metallic hardware prolong product life in highly corrosive areas
- A hinged, removable cover allows for hands-free wiring
- Housing is rated for use in NEMA 4X and IP66 areas and is additionally UL wet location listed
- A wall mount bracket is supplied standard
- Unit can be column, pole, or I-beam mounted when used with the universal mounting kit accessory item
- The Wet-Lok Series meets the Buy American requirements

## Illumination

- Illumination is accomplished with up to three lamp heads internally mounted on the bottom of the unit for optimum path of egress illumination
- Lamps are held in a molded swivel assembly and are fully adjustable
- Each lamp head utilizes a PAR 36 sealed beam tungsten or halogen lamp

## Electronics

- 120/277 VAC dual voltage input with surge protection standard
- Charging system is microprocessor driven with software embedded diagnostic routine and precision temperature compensation
- See specification sheet L2368 for technical specifications for the electronics
- Surge protection, brownout, AC lockout, and low voltage disconnect features are standard

## Electrical Specifications

- **12 Volt, Standard**  
120 VAC, 60 Hz = 0.560A, 277 VAC, 60 Hz = 0.236A
- **12 Volt, 'C' - Cold Ambient**  
120 VAC, 60 Hz = 0.984A, 277 VAC, 60 Hz = 0.422A
- **12 Volt, 'H' - High Ambient Units**  
120 VAC, 60 Hz = 0.463A, 277 VAC, 60 Hz = 0.192A
- **12 Volt, 'E' - Extreme Ambient Units**  
120 VAC, 60 Hz = 0.992A, 277 VAC, 60 Hz = 0.443A
- **24 Volt, Standard**  
120 VAC, 60 Hz = 0.697A, 277 VAC, 60 Hz = 0.304A
- **24 Volt, 'C' - Cold Ambient**  
120 VAC, 60 Hz = 1.343A, 277 VAC, 60 Hz = 0.594A
- **24 Volt, 'H' - High Ambient Units**  
120 VAC, 60 Hz = 0.741A, 277 VAC, 60 Hz = 0.312A
- **24 Volt, 'E' - Extreme Ambient Units**  
120 VAC, 60 Hz = 1.256A, 277 VAC, 60 Hz = 0.548A

## Battery

- The Wet-Lok battery assemblies have been pre-qualified for use based on anticipated ambient temperatures
- Battery chemistries consist of sealed maintenance-free lead calcium and pure lead
- Batteries supply a minimum of 90 minutes of emergency power at the lowest rated temperature of the model selected without de-rating the fixture

## Smart Charger Self-Testing Diagnostics (optional)

- The Smart Charger diagnostic/charging platform with self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. A one-minute or 90-minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.

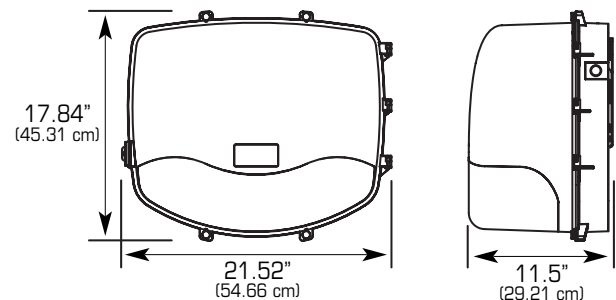
## Code Compliance

- UL 924 listed
- UL wet location listed
- NSF Standard 2 "Splash Zone"
- NEMA 250 (NEMA 4X classification)
- NFPA 101, NEC, IBC, BOCA, and OSHA illumination standard
- IEC 529 (60529) IP66
- Model numbers WL220PF2SC and WL230PF3SC (both available with factory installed options) are UL 924 listed for 8-hour run time in the emergency mode

## Warranty

- Electronics: 3 years
- Lead Calcium or Pure Lead Battery: 1 years full, 4 years pro-rata

## Dimensions



See reverse for more dimensions.

# Wet-Lok Series

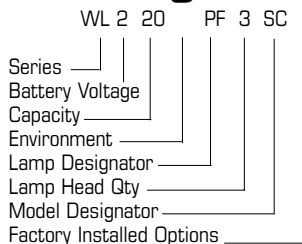
## Ordering Information

WL	BATTERY VOLTAGE	CAPACITY	ENVIRONMENT***	LAMP DESIGNATOR	LAMP HEAD QTY	SC	FACTORY INSTALLED OPTIONS
WL = Wet-Lok Series Industrial Emergency Lighting Fixture	2 = 12 Volts DC 4 = 24 Volts DC <sup>2</sup>	20 = 200 Watts 25 = 250 Watts 30 = 300 Watts 40 = 400 Watts 45 = 450 Watts	See Capacity & Environment for Limited Availability*** <b>Blank</b> = Wet Location Listed (0°C to 40°C) <b>C</b> = Cold Ambient Conditions, Wet Location Listed (-40°C to 40°C) <b>H</b> = High Ambient Conditions, Wet Location Listed (0°C to 55°C) <b>E</b> = Extreme Ambient Conditions, Wet Location Listed (-40°C to 55°C)	<b>12 Volt, PAR 36 Sealed Beam Tungsten</b> PE = 12 Watt PF = 18 Watt PG = 25 Watt PH = 30 Watt <b>12 Volt, PAR 36 Sealed Beam Halogen</b> PK = 8 Watt PL = 12 Watt PM = 37 Watt PN = 50 Watt	<b>0</b> = No Heads <b>2</b> = Two Heads <b>3</b> = Three Heads	<b>SC</b> = Smart Charger Self-Diagnostic Electronics	<b>A</b> = Ammeter <b>ACF1</b> = 120 Volt AC Input Fuse <b>ACF2</b> = 277 Volt AC Input Fuse <b>ACP1</b> = 120 Volt AC Disconnect Switch <b>ACP2</b> = 277 Volt AC Disconnect Switch <b>BDS</b> = Battery Disconnect Switch <b>EX</b> = Special Input Transformer <sup>1</sup> (specify voltage & frequency) <b>T</b> = Self-Testing Diagnostics (non-audible) <b>TA</b> = Audible Self-Testing Diagnostics <b>TD</b> = Time Delay <b>V</b> = Voltmeter
<b>***CAPACITY &amp; ENVIRONMENT SELECTION</b> C = 12V, 300W; 24V, 300W H = 12V, 300W; 24V, 300W E = 12V, 300W; 24V, 300W  All other configurations are standard wet location listed from 0°C to 40°C.							

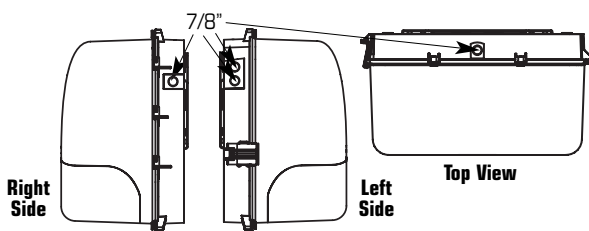
Note: 1) Certain option combinations may impact UL listing, consult factory. 2) 24 volt systems only available in 300 and 450 watt configurations.

ACCESSORIES (Ordered Separately)
NUMK = Universal Mounting Kit (column, pole, I-beam)
SCIR = Smart Charger Infra-Red Remote

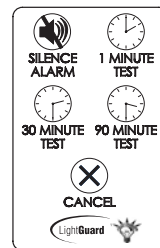
## Ordering Example



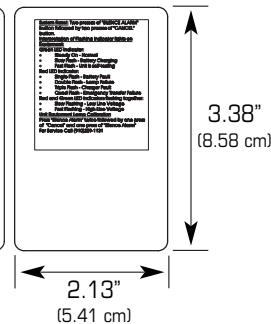
### Conduit Entry Point Knockouts



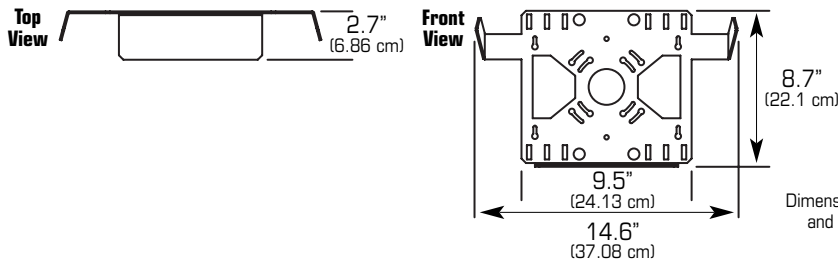
### SCIR Front



### SCIR Back



### Backplate



Dimensions are approximate and subject to change.

## Suggested Specification

Furnish and install LightGuard's Wet-Lok Series emergency lighting unit model \_\_\_\_\_. The unit shall meet Underwriter's Laboratories, Inc. Standard #924 and the National Electrical Code (NEC). The unit shall be third party tested and approved for use in NEMA 4X areas in accordance with the requirements of NEMA 250, third party tested and approved for IP66 areas, third party tested and approved for NSF Standard 2 "Splash Zone", and be additionally UL wet location listed.

**INSTALLATION AND OPERATION** - Unit shall be easily field connected to a 120 or 277 VAC, 60 HZ, unswitched power source. Installation must comply with the NEC as well as other applicable codes. (Emergency Operation Only) - Upon utility power failure or brownout, the unit shall automatically transfer to battery power and maintain the required illumination level for a minimum period not less than 90 minutes at the coldest rated temperature of the unit. Upon restoration of utility power, the charger shall restore the battery to full charge within UL 924 requirements following a rated discharge of not less than 90 minutes.

**ELECTRONICS** - All models shall be provided with LightGuard's Smart Charger self-diagnostics electronics platform. Smart Charger will detect and notify the installer regarding incorrect wiring of the transformer primary and restrict the damaging effects from affecting the printed circuit board. The Smart Charger electronics package shall provide continuous, real-time monitoring of all the critical equipment functions including, but not limited to: line voltage status and condition, charger fault, transfer fault, battery fault, and lamp load fault and notify personnel with a visual indicator sequence. Optional audible diagnostics shall be available from the factory. The optional self-testing software shall satisfy the periodic testing requirements in NFPA 101, Life Safety Code as well as the International Building Code (IBC). The Smart Charger diagnostic/charging platform with self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month. The Smart Charger circuit shall continuously sample ambient temperature conditions and adjust the charging regime to compensate for typical and dramatic ambient conditions equal to 3mv/°C compensation to maximize the life of the battery. An on-board IR receiver shall be standard and pre-programmed to operate from an optional IR user interface device (available as an accessory item).

**BATTERY** - The battery shall be either a maintenance-free sealed lead calcium or pure lead battery. The Wet-Lok Series battery shall be pre-qualified based on anticipated ambient temperature conditions. The pure lead battery shall provide trouble-free operation in temperatures up to 131°F (55°C). The lead calcium battery shall provide trouble-free operation in temperatures up to 104°F (40°C). Lead calcium and pure lead batteries shall be supplied with a one year full warranty.

**HOUSING** - The unit housing shall be constructed of impact-resistant Lexan®. The housing color shall be gray.

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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