



LN4X Series

Wet location UL 50 type 4X exit signs for indoor/outdoor use, featuring energy-saving, long-life LED lamp assemblies.



Catalog Number	
Comments	Type

Product Selector

Standard Models

Fixture Type	Model Number	AC Voltage	Colors	
			Letters	Diffuser
	LN4XRW	120/277	Red	White
	LN4XGW	120/277	Green	White

Emergency Models

Fixture Type	Model Number	AC Voltage	Colors	
			Letters	Diffuser
	LN4XRWE	120/277	Red	White
	LN4XGWE	120/277	Green	White

Options

Description	Factory Equipped Add Suffix To Model
Spectron self-testing/self-diagnostic electronics ⁽¹⁾	I
2-circuit operation ⁽²⁾⁽⁶⁾	-2C
Fire alarm panel interface ⁽³⁾⁽⁵⁾⁽⁶⁾	-FAP
Flasher module ⁽¹⁾⁽⁵⁾	-FM
Remote DC operation ⁽²⁾⁽⁴⁾⁽⁵⁾	-DC
Tamper-proof screws (tool included)	-TR

- (1) For use with emergency models only.
(2) For use with AC models only.
(3) Operates with 24 volt AC or DC fire alarm panels.
(4) For emergency illumination of sign from remote 6-24VDC power sources.
(5) -FAP, -FM or -DC options may not be specified together.
(6) -2C and -FAP options may be specified together.

Application

Indoor/outdoor applications with wet or dusty environments requiring corrosion-resistant, UL 50 type 4X exit signs with energy-saving, long-life LED lamp assemblies.

Features

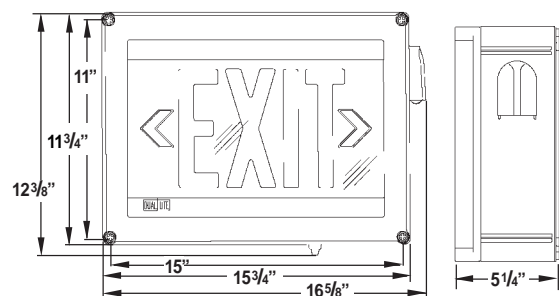
All Models

- UL 50 type 4X units for indoor/outdoor use
- Suitable for use in wet locations
- Oil-resistant gasket for watertight/dust-tight seal
- High-impact, corrosion-resistant polycarbonate housing
- LN4X Series utilizes NEMA 4X enclosures
- Easy installation
- Bright, even illumination
- Exceeds NFPA 101 illumination requirements
- Red and green letters
- Long-life LED lamps provide over 20 years of service
- Energy-saving operation
- Snap-in chevron type directional arrows
- Optional 2-circuit models available
- Listed to UL Standard 924
- Universal 120/277VAC operation
- Operating temperature range:
AC models: 10°C to 40°C (50°F to 104°F)
Emergency models: 10°C to 40°C (50°F to 104°F)

Emergency Sign Features

- Completely self-contained
- Fully automatic, solid-state charger
- Maintenance-free, nickel-cadmium battery
- Operates for a minimum of 90 minutes
- Automatic battery protection
- Test switch
- AC On indicator
- UL 924 Listed
- UL Wet/Damp location listed

Dimensions



Hubbell Lighting, Inc.

Description

LN4X Series LED exit signs meet UL 50 type 4X standards; units are watertight, raintight, corrosion-resistant, suitable for use in damp or dusty locations. LN4X Series LED exit signs utilize NEMA 4X enclosures constructed of neutral gray, high-impact-resistant, glass-filled polycarbonate with a clear polycarbonate cover. The cover is secured to the housing by means of four slotted polyamide screws. An oil-resistant gasket supplied with the cover provides a watertight and dust-tight seal. 1/4" mounting holes for securing the housing to wall surfaces are located under the four cover screws. Exit letters meet UL 924 requirements. A white trim plate installs under the housing cover. Letters are offered standard in a choice of red or green. Directional arrows are snap-in chevron type. Illumination is provided by long-life, energy-saving LED lamps. Standard operation is from 120 or 277VAC.

Emergency Models

LN4X LED Series emergency models are completely self-contained. A waterproof housing vent is provided on all emergency models. The unit incorporates a solid-state, constant current type charger module. Operation is fully automatic. During normal operation, the charger module maintains the battery at full charge. A transfer circuit automatically switches to emergency battery operation upon loss of normal power. The battery will operate the unit's LED lamps for a minimum of 90 minutes during emergency operation. An automatic low-voltage disconnect circuit protects the battery from deep discharge damage during prolonged power failures. On restoration of utility power, the charger will begin a recharge cycle and bring the battery to full capacity within acceptable UL time standards. A test switch is provided for checking emergency operation. An "AC On" LED indicator is supplied for checking the presence of utility power. Standard operation is from 120 or 277VAC.

Battery

Type: Maintenance-free nickel-cadmium

Illumination

LN4X LED Series exit signs are supplied with energy-saving LED lamp assemblies that allow operation from 120 or 277VAC. All models meet UL 924 requirements for exit face illumination and color contrast ratio and exceed NFPA 101 illumination requirements.

LED lamp assemblies are arranged to provide a very evenly illuminated exit legend. Average useful life exceeds 20 years under normal operating conditions. LED lamp assemblies in emergency models provide illumination in AC and battery power modes.

Temperature Ranges

AC models: 10°C to 40°C (50°F to 104°F)

Emergency models: 10°C to 40°C (50°F to 104°F)

Power Consumption

	120VAC	277VAC
Red AC Only Models	2.64 watts	2.70 watts
Green AC Only Models	2.24 watts	2.24 watts
Red Emergency Models	3.81 watts	3.80 watts
Green Emergency Models	3.50 watts	3.50 watts

Power Factor, Average: 8 (lagging)

Installation

LN4X LED Series exit signs are designed to mount to walls through four 1/4" integral mounting holes in the unit housing. Mounting hardware supplied by others. Units must be surface wired for utility power input. Housings are easily drilled or punched to accept sealed conduit hubs (supplied by others).

Options

Options include self-diagnostic operation (I), 2-circuit operation (-2C), fire alarm panel interface (-FAP), tamper-proof cover screws (-TR) remote DC operation (-DC) and flasher module (-FM).

Warranty

Unit and Electronics: 5 years full

Battery:

Standard Models: 1 year full, 9 years pro-rata (10 years total)

Spectron Models: 2 years full, 8 years pro-rata (10 years total)

Suggested Specifications

Exit signs shall be wet location listed UL 50 type 4X-rated for indoor/outdoor use. LN4X enclosures shall be corrosion-resistant polycarbonate and feature watertight and dust-tight construction. Molded in mounting holes shall be provided under the unit cover screws for securing the housing to walls. A choice of red or green letters will be supplied. Directional arrows shall be snap-in chevron type. Normal AC and emergency illumination will be provided by long-life, energy-saving LED lamp assemblies. Emergency models shall be supplied with all emergency operation components installed internally. Emergency components shall include a solid-state, constant current charger, a nickel-cadmium battery, an "AC On" LED indicator and a test switch for checking emergency operation. The unit charger shall include an automatic low-voltage disconnect circuit and will be capable of recharging the battery within acceptable UL time standards. Must be capable of providing 90 minutes minimum of emergency operation.

Exit signs will be Dual-Lite LN4X LED Series,
model(s) _____