LDXNX Battery Unit Series

6, 12 and 24 volts, NEMA-4X rated

Project/Location:

Contractor:

Date:

Prepared by:

Harsh environment emergency lighting units: The **LDXNX Series** battery units are specifically designed for use in industrial facilities where equipment is exposed to dust, water, oil or corrosive substances. NEMA-4X rated to protect circuitry from harmful dust or liquid sprays, sealed and gasketed unit made of fiberglass reinforced polyester.

Features

- Delivers great pathway illumination up to 70 feet, center to center (with M20 WH lamp)
- Fully gasketed fiberglass reinforced polyester housing - NEMA 4X rated
- Solid-state pulse-type charger – current-limited, temperature-compensated, short-circuit proof and reverse-polarity protected.
- Unit comes standard with electronic lockout and brownout circuits
- Sealed dust-proof transfer relay, test switch and LED indicator lights
- Long-life, maintenance-free sealed lead acid battery
- Standard 120/347Vac input voltage with line cord kit
- NEXUS® compatible

nexus® Made in Canada NEMA-4X

Typical Specification

Supply and install the Ready-Lite NEMA-4X Rated **LDXNX Series** battery unit. Specifically designed for high abuse areas and wet locations, the fiberglass reinforced polyester housing shall be fully gasketed as well as the clear heavy-duty UV resistant polycarbonate lamp enclosure. The lamps shall be fully adjustable without tools and shall be high efficiency halogen MR16.The Ready-Lite Smart Diagnostic Micro controller board shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The unit shall be rated 120V or 347V, 60 Hz. The unit shall have an output of _____ volts.

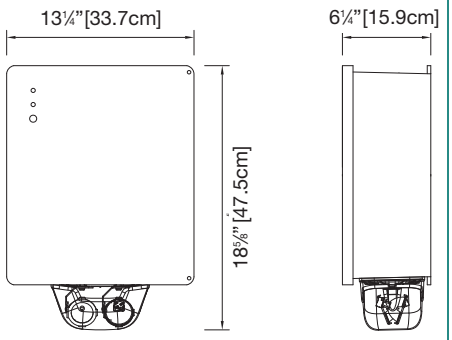
The charger shall be fully computer tested and its charge voltage factory set to ± 1% tolerance. Chargers with field-adjusted potentiometers are not acceptable. A pulse-type charger shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery topped off. The Pulse charge shall be current limited and precisely regulated by a micro-processing circuit, which samples the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, shortcircuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the battery form the fused output circuit at the end of discharge. The unit shall self-test for 1 minute every 30 days, 10 minutes on the 6th month and 30 minutes every 12 months. The unit shall be capable of full recharge in compliance with CSA specifications. The unit shall be furnished with sealed dust tight relay, a test switch and diagnostic LED indicator lights to continuously monitor the status of the unit: Battery Failure, Battery Disconnected, Charger Failure, Lamp Failure, Service Alarm, AC "ON", Charger High Rate.

The unit shall be Ready-Lite model: _____.

Wire Guards

460.0034-RL	Wall Mount

Dimensions



Power Consumption and Unit Rating

Model	AC Specs		Wattage Capacity				
			30 min.	1 hour	1h30	2 hours	4 hours
06LDXNX36	120/347Vac	0.10/0.04 Amp	36	21	15	12	6
06LDXNX72		0.22/0.08 Amp	72	42	30	24	12
06LDXNX108		0.22/0.08 Amp	108	63	45	36	18
06LDXNX180		0.22/0.08 Amp	180	105	75	60	30
12LDXNX36	120/347Vac	0.09/0.03 Amp	36	21	15	12	6
12LDXNX72		0.15/0.06 Amp	72	42	30	24	12
12LDXNX100		0.34/0.12 Amp	100	58	42	33	17
12LDXNX144		0.40/0.14 Amp	144	84	60	48	24
12LDXNX200		0.41/0.14 Amp	200	117	83	67	33
12LDXNX250		0.41/0.14 Amp	250	120	90	72	36
24LDXNX144	120/347Vac	0.55/0.20 Amp	144	84	60	48	24
24LDXNX288		0.67/0.23 Amp	288	168	120	96	48
24LDXNX350		0.67/0.23 Amp	350	200	144	120	60

Ordering Information

Series	Capacity	Housing	Special Options	# of Heads	Head Style/ Lamp Wattage	Options	A.C. Voltage
LDX6 = 6 volts	**36**= 36 watts **72**= 72 watts **108**= 108 watts **180**= 180 watts	**NX**= NEMA 4X	**Blank**= standard **AD**= self-diagnostic **ADN**= self-diagnostic non-audible	**Blank**= no heads **1**= one lamp **2**= two lamps	**RM6**= 6V 6W MR16 **RM10**= 6V 10W MR16 **RM12**= 12V, 24V 12W MR16 **RM20**= 12V, 24V, 20W MR16 **LD7**= 12V - 4 watts LED **20WH**= 12V, 20W high output	**Blank**= no options **A**= ammeter **D3**= time delay 15 min. **D6**= 6cct.fuse panel **IT**= a.c terminal block **LB**= light activated test switch **LD**= lamp disconnect **NEX**= NEXUS® system interface* **NEXRF**= wireless NEXUS® system interface* **OT**= output terminal block **H** = heater & thermostat 120V **H3** = heater & thermostat 347V	**Blank**= 120/347Vac input **U7**= 277Vac input
LDX12 = 12 volts	**36**= 36 watts **72**= 72 watts **100**= 100 watts **144**= 144 watts **200**= 200 watts **250**= 250 watts	**NX**= NEMA 4X					
LDX24 = 24 volts	**144** = 144 watts **288** = 288 watts **350** = 350 watts	**NX**= NEMA 4X		*Additional heads available.		*Not all options available with Nexus®. Please consult your sales representative.	

EXAMPLES: LDX24144NXRM6