LDX SERIES

6, 12 and 24V

10-YEAR LIFE EXPECTANCY, MAINTENANCE-FREE EMERGENCY LIGHTING UNITS.

The **LDX Series** battery units combine long life expectancy, high-performance design and a reasonable initial cost outlay. Ideally suited for a range of commercial applications, the long-life lead acid battery is specifically recommended for environments where the unit will be exposed to large variances in ambient temperature.

FEATURES

- Rugged steel cabinet with corrosion-resistant undercoating
- Removable front panel on cabinet provides easy access and allows the unit to be mounted at ceiling height
- 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 lead acid battery
- NEXUS® compatible (for more information on NEXUS®, please consult your sales representative)
- CSA C22.2 No. 141-15 certified
- Standard 120/347 VAC input with line cord kit

new features

nexus® Made in Canada

Type: _____
Project/Location: _____
Contractor: _____
Prepared By: _____
Date: _____
Model No.: _____

TYPICAL SPECIFICATIONS

Supply and install a complete emergency lighting system as described herein and shown on the drawings.

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 and be CSA listed. The unit shall have an output of: _____V and _____W. 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, and 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 charger shall be precisely regulated and shall charge the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit 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 load when the battery reaches the end of discharge. The unit shall self-test for 1 minute every 30 days, 10 minutes every 6 months 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 a 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 emergency lighting heads shall require no tools for orientation.

The unit shall be **Ready-Lite®** model: _____.

WIRE GUARDS

460.0078-RL	wall mount	"A" cabinet
460.0081-RL	wall mount	"B" cabinet
460.0034-RL	wall mount	"C" cabinet

REPLACEMENT LAMPS

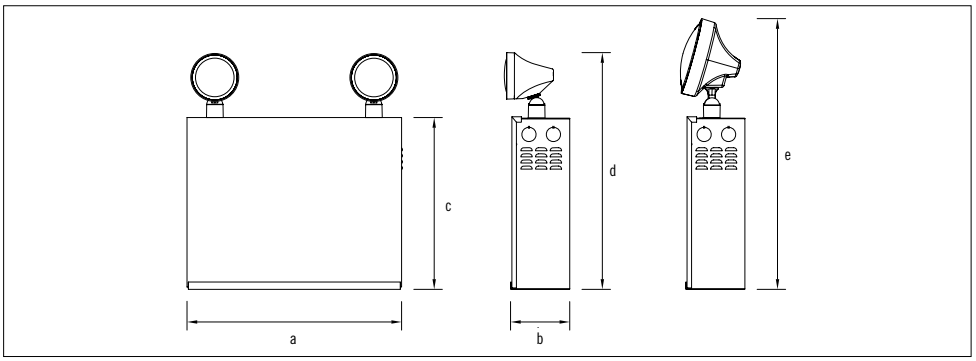
ORDERING CODE	LAMP TYPE	VOLTAGE/WATTAGE
570.0016-RL	mini tungsten (RT9)	6V-9W
570.0025-RL	mini tungsten (RT9)	12V-9W
570.0045-RL	mini tungsten (RT9)	24V-9W
580.0093-RL	MR16, LED	12V-4W
580.0104-RL	MR16, LED	12V-5W
580.0106-RL	MR16, LED	12V-6W
580.0098-RL	MR16, LED	24V-4W
580.0100-RL	MR16, LED	24V-6W

For the complete list, please see the lamp chart on pages 150 to 152

CABINET	DIMENSIONS				
	a	b	c	d	e
A	13-1/4" (33.7 cm)	3-5/8" (9.2 cm)	10-1/2" (26.7 cm)	14-1/4" (36.2 cm)	16-1/2" (41.9 cm)
B	16-1/8" (40.9 cm)	5-1/2" (13.9 cm)	10-1/4" (26.0 cm)	13-7/8" (35.2 cm)	16-1/8" (41.0 cm)
C	23-1/8" (58.7 cm)	5-1/2" (13.9 cm)	10-1/4" (26.0 cm)	13-7/8" (35.2 cm)	16-1/8" (41.0 cm)

DIMENSIONS

Dimensions are approximate and subject to change.



Type: _____

Project/Location: _____

Contractor: _____

Prepared By: _____

Date: _____

Model No.: _____

new features

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POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS		WATTAGE CAPACITY				
			30 MIN	1H00	1H30	2H00	4H00
LDX636	120/347VAC	0.10/0.04 A	36	21	15	12	6
LDX672		0.22/0.08 A	72	42	30	24	12
LDX6108		0.22/0.08 A	108	63	45	36	18
LDX6180		0.22/0.08 A	180	105	75	60	30
LDX1236		0.09/0.03 A	36	21	15	12	6
LDX1272		0.15/0.06 A	72	42	30	24	12
LDX12100		0.34/0.12 A	100	58	42	33	17
LDX12144		0.40/0.14 A	144	84	60	48	24
LDX12200		0.41/0.14 A	200	117	83	67	33
LDX12250		0.41/0.14 A	250	144	100	38	42
LDX12360		0.41/0.14 A	360	200	144	108	60
LDX24144		0.43/0.15 A	144	84	60	48	24
LDX24200		0.55 / 0.20 A	200	117	83	67	33
LDX24288		0.67 / 0.23 A	288	168	120	96	48
LDX24350		0.67 / 0.23 A	350	200	144	120	60
LDX24432		0.67 / 0.23 A	432	250	180	144	72
LDX24550		0.88 / 0.33 A	550	320	230	180	90
LDX24720		0.88 / 0.33 A	720	420	300	240	120

Note: Low wattage LED lamps provide extended time of emergency lighting without additional power.

ORDERING INFORMATION

SERIES	CAPACITY & CABINET SIZE*	SPECIAL OPTIONS	# OF HEADS	HEAD STYLE/LAMP WATTAGE	COLOUR	AC VOLTAGE	OPTIONS
LDX6= 6V	**-36**= 36W (A) **-72**= 72W (A) **-108**= 108W (A) **-180**= 180W (B)	**Blank**= no options **AD**= auto-diagnostic, audible* **ADN**= auto-diagnostic, non-audible* **NEX**= NEXUS® system interface * **NEXRF**= wireless NEXUS® system interface*	**Blank**= no heads **1**= one head **2**= two heads **3**= three heads	**LD1**= MR16 LED, 6V-4W **LD7**= MR16 LED, 12V-4W **LD9**= MR16 LED, 12V-5W **LD10**= MR16 LED, 12V-6W **LD13**= MR16 LED, 24V-4W **LD14**= MR16 LED, 24V-6W **RM6**= MR16 halogen, 6V-6W **RM10**= MR16 halogen, 6V-10W **RM12**= MR16 halogen, 12V, 24V-12W **RM20**= MR16 halogen, 12V, 24V-20W **LT9**= large tungsten, 6V, 12V, 24V-9W, wedge base **LT18**= large tungsten, 12V, 24V-18W, wedge base **LT25**= large tungsten, 6V, 12V, 24V-25W, DCB **RT9**= mini tungsten, 6V, 12V, 24V-9W, wedge base **RT18**= mini tungsten, 12V, 24V-18W, wedge base **RQ8**= mini halogen, 6V, 12V-8W, bi-pin **RQ12**= mini halogen, 6V, 12V, 24V-12W, bi-pin **LQ8**= large halogen, 6V, 12V- 8W, bi-pin **LQ12**= large halogen, 6V, 12V-12W, bi-pin **LQ20**= large halogen, 6V, 12V, 24V-20W, bi-pin **LQ55**= large halogen, 12V-55W, H3 **LQ70**= large halogen, 24V-70W, H3 **LS8**= large tungsten, 6V-8W, sealed beam **LS18**= large tungsten, 6V, 12V-18W, sealed beam **LS25**= large tungsten, 6V, 12V-25W, sealed beam **LH8**= large halogen, 6V, 12V-8W, sealed beam **LH12**= large halogen, 6V, 12V-12W, sealed beam **LH20**= large halogen, 6V-20W, sealed beam	**Blank**= factory white **BK**= black	**Blank**= 120/347 VAC input **U277**= 277VAC input	**A**= ammeter **CPS3** = constant power supply 3 Amps, 24V only (n) **CT**= cab-tire **D3**= time delay **FB6**= 6 cct. fuse panel* **IT**= AC terminal block **ITOT**= AC/DC terminal block **LB**= light activated test switch **LD**= lamp disconnect **OT**= DC terminal block **RFI**= radio frequency (n) interference filter 120VAC **RF3**= radio frequency interference filter, 347VAC (n) **R3**= remote test receiver** **TL**= Cord and twist lock plug (120V only)*** **V**= voltmeter **ZCP**= zone control panel**** (n)
LDX12= 12V	**-36**= 36W (A) **-72**= 72W (A) **-100**= 100W (A) **-144**= 144W (A) **-200**= 200W (B) **-250**= 250W (B) **-360**= 360W (B)						
LDX24= 24V	**-144**= 144W (A) **-200**= 200W (B) **-288**= 288W (B) **-350**= 350W (C) **-432**= 432W (C) **-550**= 550W (C) **-720**= 720W (C)						

*Cabinet size is not part of nomenclature.

*Minimum lamp load required: 20% of unit capacity.

*Not all options available with NEXUS® System. Please consult your sales representative.

* Cabinet size may vary, not available with terminal block

**R4= remote test transmitter (sold separately)

***120V is standard

**** See zone control panel in battery unit section. B & C cabinet only.

EXAMPLE: LDX6-362LD1BKIT