



LDX Series

6, 12 and 24 Volts
Steel Battery Units

Long-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 – standard colour is factory white, polar white and black available as options
- Removable front panel on cabinet provides easy access and allows 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
- Tool-less aiming and adjustment of lighting heads
- Wide range of lampheads available – consult Ordering Information for complete list
- Standard 120/347Vac input voltage with line cord kit
- NEXUS® compatible (for more information on NEXUS®, please consult factory.)
- CSA C22.2 No. 141 certified



NEXUS



READY-LITE™



Project/Location:

Date:

Contractor:

Prepared by:

LDX Series

Typical Specification

C

A

PM

I

LS

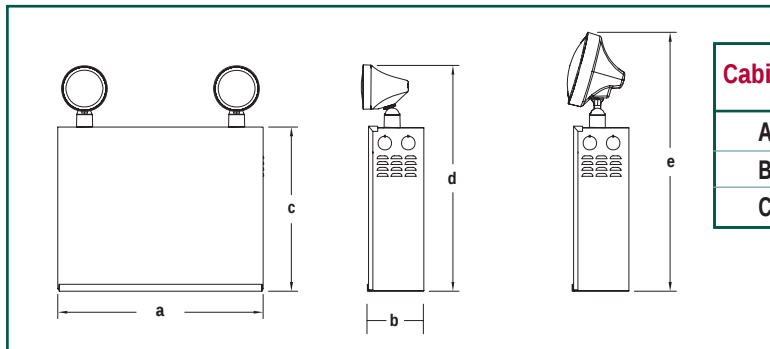
Supply and install a complete emergency lighting system as described herein and shown on the drawings.

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 _____ volts. The charger shall be fully computer tested and its charge voltage factory set to $\pm 1\%$ 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 charger shall be precisely regulated by a micro-controller 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, 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 and circuitry from the fused output circuit when the battery reaches 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 come complete with tool-less emergency lighting heads requiring no tools to adjust or aim.

The unit shall be READY-LITE™ Model _____.

Dimensions



Cabinet	Dimensions				
	a	b	c	d	e
A	13 3/8 in. [33.4 cm]	3 in. [9.2 cm]	10 1/4 in. [26.8 cm]	14 1/2 in. [36.8 cm]	16 1/2 in. [42.2 cm]
B	16 1/8 in. [41.0 cm]	5 in. [13.8 cm]	10 1/4 in. [26.1 cm]	14 1/4 in. [36.1 cm]	16 in. [41.4 cm]
C	23 1/8 in. [58.8 cm]	5 in. [13.8 cm]	10 1/4 in. [26.1 cm]	14 1/4 in. [36.1 cm]	16 in. [41.4 cm]

Wire Guards

460.0078	Wall Mount	"A" Cabinet
460.0081	Wall Mount	"B" Cabinet
460.0034	Wall Mount	"C" Cabinet

Ordering Information

Series	Capacity/ Cabinet Size	Special Options	# of Heads	Head Style / Lamp Wattage	Colour	A.C. Voltage	Options
LDX6= 6 volts	-72= 72 watts [A]* -108= 108 watts [A]* -180= 180 watts [B]*	Blank= standard AD= auto-diagnostic ADN= auto-diagnostic non-audible	Blank= no head 1= one head 2= two heads 3= three heads	RT9= mini tungsten, 6V, 12V, 24V - 9 watts, wedge base RT18= mini tungsten, 12V, 24V - 18 watts, wedge base RQ8= mini halogen, 6V, 12V - 8 watts, quartz bi-pin RQ12= mini halogen, 6V, 12V - 12 watts, quartz bi-pin RM6= mini halogen, 6V - 6 watts, MR16 RM10= mini halogen, 6V - 10 watts, MR16 RM12= mini halogen, 12V - 12 watts, MR16 RM20= mini halogen, 12V, 24V - 20 watts, MR16 LT9= large tungsten, 6V, 12V, 24V - 9 watts, wedge base LT18= large tungsten, 12V, 24V - 18 watts, wedge base LT25= large tungsten, 6V, 12V, 24V - 25 watts, DCB LQ8= large halogen, 6V, 12V - 8 watts, quartz bi-pin LQ12= large halogen, 6V, 12V - 12 watts, quartz bi-pin LQ20= large halogen, 6V, 12V, 24V - 20watts, quartz bi-pin LQ55= large halogen, 12V - 55 watts, H3 LQ70= large halogen, 24V - 70 watts, H3 LS9= large tungsten, 6V, 12V - 9 watts, sealed beam LS12= large tungsten, 12V, 12 watts, sealed beam LS18= large tungsten, 6V, 12V - 18 watts, sealed beam LS25= large tungsten, 6V, 12V, - 25 watts, sealed beam LH8= large halogen, 6V, 12V - 8 watts, quartz sealed beam LH12= large halogen, 6V, 12V - 12 watts, quartz sealed beam LH20= large halogen, 6V - 20 watts, quartz sealed beam	Blank= factory white BK= black	Blank= 120/347Vac input U347= 347Vac input U277= 277Vac input U240= 240Vac input U220= 220/50hz Vac input	A= ammeter CT= cabtire D5= time delay D6= 6cct. fuse panel IT= AC terminal block LB= light activated test switch LD= lamp disconnect *NEX= NEXUS system interface** (6 and 12 volts only) OT= output terminal block R1= remote test receiver TL= twist lock plug V= voltmeter ** Consult factory for output power range.
EXAMPLE : LDX6-108AD2RT9							
LDX12= 12 volts	-36= 36 watts [A]* -72= 72 watts [A]* -100= 100 watts [A]* -144= 144 watts [A]* -200= 200 watts [B]* -250= 250 watts [B]* -360= 360 watts [B]*						
EXAMPLE: LDX12-100AD2RT9							
LDX24= 24 volts	-144= 144 watts [A]* -200= 200 watts [B]* -288= 288 watts [B]* -350= 350 watts [C]* -432= 432 watts [C]* -550= 550 watts [C]* -720= 720 watts [C]*						
EXAMPLE : LDX24-144AD2RT9							

*Cabinet size is not part of the ordering information.

*Not all options are available with NEXUS. Consult factory.

Thomas & Betts

