

Project/Location: \_\_\_\_\_

Contractor: \_\_\_\_\_

Date: \_\_\_\_\_

Prepared by: \_\_\_\_\_

# LDX-IF Series

## NEMA-12 Classified, 6, 12 and 24 Volts Battery Units



### Typical Specification

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

The Ready-Lite self-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-347V, 60Hz and be CSA listed.

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 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 battery from 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: \_\_\_\_\_.

### Features

- 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
- NEXUS® compatible



### Wire Guards

460.0034-RL	Wall Mount
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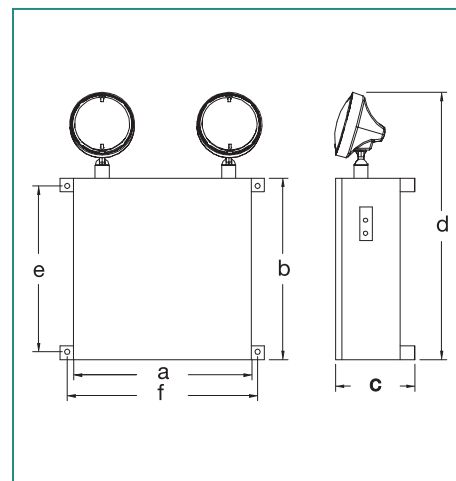
### Replacement Lamps

Model	Lamp Type	Voltage-Wattage
570.0016-RL	Tungsten (LH9W)	6V - 9W
570.0025-RL		12V - 9W
570.0045-RL		24V - 9W

### Dimensions

Cabinet	Dimensions					
	a	b	c	d	e	f
Thermoplastic – size 1	11 $\frac{1}{2}$ " [29.5 cm]	13" [33.0 cm]	5" [12.7 cm]	10 $\frac{1}{2}$ " [26.4 cm]	12 $\frac{1}{2}$ " [32.8 cm]	8" [20.3 cm]
Fiberglass – size 2	13 $\frac{1}{2}$ " [33.8 cm]	15 $\frac{1}{2}$ " [38.9 cm]	6 $\frac{1}{2}$ " [17.0 cm]	21" [53.3 cm]	14 $\frac{1}{2}$ " [37.5 cm]	10" [25.4 cm]
Fiberglass – size 3	16 $\frac{1}{2}$ " [41.5 cm]	24 $\frac{1}{2}$ " [61.5 cm]	9 $\frac{1}{2}$ " [23.4 cm]	30 $\frac{1}{2}$ " [77.3 cm]	—	—
Fiberglass – size 4	13" [33.0 cm]	13 $\frac{1}{2}$ " [33.8 cm]	5 $\frac{1}{2}$ " [14.8 cm]	19 $\frac{1}{2}$ " [49.6 cm]	12 $\frac{1}{2}$ " [30.8 cm]	13 $\frac{1}{2}$ " [35.3 cm]
Steel – size 5	16" [40.6 cm]	20" [50.8 cm]	9 $\frac{1}{2}$ " [23.3 cm]	26 $\frac{1}{2}$ " [66.7 cm]	—	—
Steel Cabinet – size 6	12 $\frac{1}{2}$ " [31.9 cm]	15 $\frac{1}{2}$ " [39.6 cm]	6 $\frac{1}{2}$ " [15.9 cm]	20 $\frac{1}{2}$ " [52.1 cm]	14 $\frac{1}{2}$ " [37.5 cm]	10" [25.4 cm]

### Dimensions



### Ordering Information

Series	Capacity	Housing	Number of Heads	Head Style and Lamp Wattage	Options	AC Voltage
<b>LDX6=</b> 6 volts	<b>36=</b> 36 watts [1, 2, 5]* <b>72=</b> 72 watts [1, 2, 5]* <b>108=</b> 108 watts [1, 2, 5]* <b>180=</b> 180 watts [1, 2, 5]*	<b>IF=</b> heavy duty fiberglass (max 250 watts)	<b>Blank=</b> no heads <b>1=</b> one head <b>2=</b> two heads	<b>WT9=</b> Lrg tungsten, 6V, 12V, 24V - 9 watt, wedge base <b>WT18=</b> Lrg tungsten, 12V, 24V - 18 watt, wedge base <b>WT25=</b> Lrg tungsten, 6V, 12V, 24V - 25 watt, DCB <b>WQ8=</b> Lrg halogen, 6V, 12V - 8 watt, quartz bi-pin <b>WQ12=</b> Lrg halogen, 6V, 12V - 12 watt, quartz bi-pin <b>WQ20=</b> Lrg halogen, 6V, 12V, 24V - 20 watt, quartz bi-pin <b>WQ55=</b> Lrg halogen, 12V - 55 watt, quartz bi-pin <b>WQ70=</b> Lrg halogen, 24V - 70 watt, quartz bi-pin <b>WS9=</b> Lrg tungsten, 6V, 12V - 9 watt, sealed beam <b>WS18=</b> Lrg tungsten, 6V, 12V - 18 watt, sealed beam <b>WS25=</b> Lrg tungsten, 6V, 12V, - 25 watt, sealed beam <b>WH8=</b> Lrg halogen, 6V, 12V - 8 watt, quartz sealed beam <b>WH12=</b> Lrg halogen, 6V, 12V - 12 watt, quartz sealed beam <b>WH20=</b> Lrg halogen, 6V - 20 watt, quartz sealed beam <b>WSR9W=</b> Lrg rubber tungsten, 6V, 12V - 9 watt, sealed beam <b>WSR18W=</b> Lrg rubber tungsten, 6V, 12V - 18 watt, sealed beam <b>WSR25W=</b> Lrg rubber tungsten, 6V, 12V, - 25 watt, sealed beam <b>WHR8W=</b> Lrg rubber, 6V, 12V - 8 watt, Halogen sealed beam <b>WHR12W=</b> Lrg rubber, 6V, 12V - 12 watt, Halogen sealed beam <b>WHR20W=</b> Lrg rubber, 6V - 20 watt, Halogen sealed beam	<b>A=</b> ammeter <b>CT=</b> cabtire <b>D3=</b> time delay 15 min. <b>D6=</b> 6cct.fuse panel <b>IT=</b> a.c terminal block <b>LB=</b> light activated test switch <b>LD=</b> lamp disconnect <b>NEX=</b> Nexus® System (6V50W & 12V100W Max)* <b>OT=</b> output terminal block <b>R1=</b> remote test receiver <b>TL=</b> Twist lock plug (120V ONLY) <b>V=</b> voltmeter <b>H=</b> heater & thermostat 120V <b>AD=</b> self-diagnostic <b>TC=</b> teflon coated lens <b>H3=</b> heater and thermostat 347V *Not all options available with NEXUS® System. Please consult your sales representative.	<b>Blank=</b> 120/347vac input <b>U22=</b> 220/50hz vac input <b>U27=</b> 277vac input
<b>LDX12=</b> 12 volts	<b>36=</b> 36 watts [1, 2, 5]* <b>72=</b> 72 watts [1, 2, 5]* <b>100=</b> 100 watts (NEX) [1, 2, 5]* <b>144=</b> 144 watts [1, 2, 5]* <b>200=</b> 200 watts [1, 2, 5]* <b>250=</b> 250 watts [3, 6]* <b>360=</b> 360 watts [3, 6]*	<b>IFG=</b> standard fiberglass <b>ISC=</b> heavy duty steel cabinet				
<b>LDX24=</b> 24 volts	<b>144=</b> 144 watts [1, 2, 5]* <b>288=</b> 288 watts [1, 2, 5]* <b>350=</b> 350 watts [4]* <b>432=</b> 432 watts [4]* <b>550=</b> 550 watts [4]* <b>720=</b> 720 watts [4]* *Cabinet size is not part of the ordering information					