



# LDX-T Series

## 6, 12 and 24 Volts T-Bar Units

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

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

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

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

### Features

- Rugged steel cabinet with corrosion-resistant undercoating.
- Battery and charger are concealed above the ceiling level in the unit cabinet
- Removable panel provides easy access to battery and circuitry
- Solid-state pulse-type charger – current-limited, temperature-compensated, short-circuit proof and reverse-polarity protected.
- Test switch and LED indicators are mounted on the visible bottom panel
- Units mount quickly and easily in standard 2' x 2' or 2' x 4' grids without any additional hardware
- 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 – operates in extreme temperature ranges
- NEXUS® compatible



### Typical Specification

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 ± 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 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: \_\_\_\_\_.

### Power Consumption and Unit Rating

Model Number	AC Specs		Emergency power available for lamps				
			30min	1h00	1h30	2h00	4h00
LDX636	120 / 347Vac	0.10 / 0.04 Amp	36	21	15	12	6
LDX672		0.22 / 0.08 Amp	72	42	30	24	12
LDX6108		0.22 / 0.08 Amp	108	63	45	36	18
LDX6180		0.22 / 0.08 Amp	180	105	75	60	30
LDX1236		0.09 / 0.03 Amp	36	21	15	12	12
LDX1272		0.15 / 0.06 Amp	72	42	30	24	6
LDX12100		0.34 / 0.12 Amp	100	58	42	33	17
LDX12144		0.40 / 0.14 Amp	144	84	60	48	24
LDX12200		0.41 / 0.14 Amp	200	117	83	67	33
LDX24144		0.55 / 0.20 Amp	144	84	60	48	24
LDX24288		0.67 / 0.23 Amp	288	168	120	96	48

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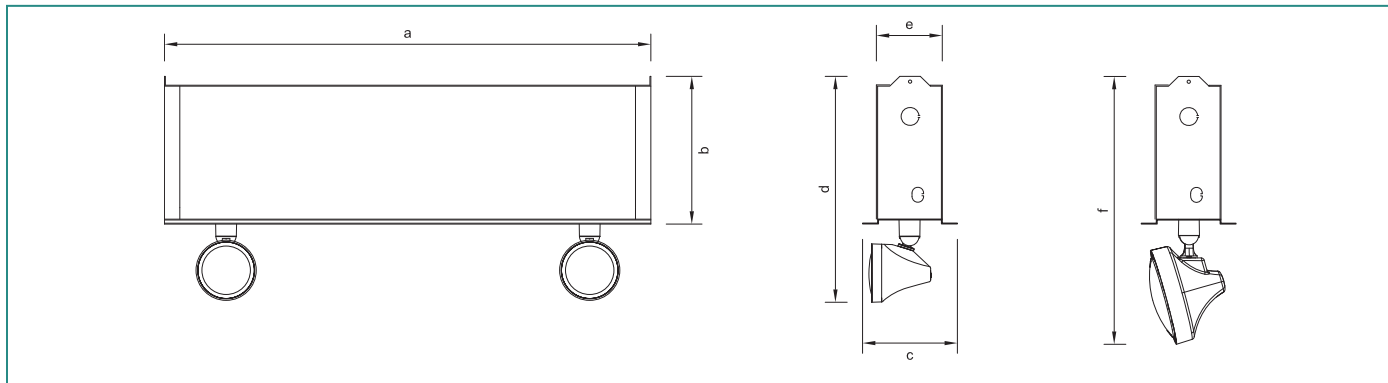
Prepared by:

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## Dimensions



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Dim.	Dimensions	
	Large Cabinet (L)	Small Cabinet (S)
a	23 3/4" [60.3 cm]	23 3/4" [60.3 cm]
b	7 1/4" [18.3 cm]	7 1/4" [18.3 cm]
c	7 7/8" [18.0 cm]	4 5/8" [11.8 cm]
d	11" [28.1 cm]	11" [28.1 cm]
e	5 5/8" [14.4 cm]	3 1/4" [8.2 cm]
f	13" [33.3 cm]	13" [33.3 cm]

## Replacement Lamps

Ordering Code	Lamp Type	Voltage-Wattage
570.0016-RL	Mini tungsten (MT9W)	6V - 9W
570.0025-RL		12V - 9W
570.0045-RL		24V - 9W

For the complete list please refer to the Lamp Chart on page 113

## Ordering Information

Series	Capacity/ Cabinet Size	Special Options	Number of Heads	Head Style/Lamp Wattage	Colour	AC Voltage	Options
<b>LDX6</b> = 6 volts  <b>EXAMPLE:</b> LDX6-108TAD2RQ8	<b>-36T</b> = 36 watts [S]* <b>-72T</b> = 72 watts [S]* <b>-108T</b> = 108 watts [S]* <b>-180T</b> = 180 watts [L]*	<b>Blank</b> = standard <b>AD</b> = self-diagnostic <b>ADN</b> = self-diagnostic non-audible <b>NEX</b> = NEXUS® system interface* <b>NEXRF</b> = wireless NEXUS® system interface*	<b>Blank</b> = no head <b>1</b> = one head <b>2</b> = two heads <b>3</b> = three heads	<b>RT9</b> = mini tungsten, 6V, 12V, 24V - 9 watts, wedge base <b>RT18</b> = mini tungsten, 12V, 24V - 18 watts, wedge base <b>RQ8</b> = mini halogen, 6V, 12V - 8 watts, quartz bi-pin <b>RQ12</b> = mini halogen, 6V, 12V, 24V - 12 watts, quartz bi-pin <b>LT9</b> = large tungsten, 6V, 12V, 24V - 9 watts, wedge base <b>LT18</b> = large tungsten, 12V, 24V - 18 watts, wedge base <b>LT25</b> = large tungsten, 6V, 12V, 24V - 25 watts, DCB <b>LQ8</b> = large halogen, 6V, 12V - 8 watts, quartz bi-pin <b>LQ12</b> = large halogen, 6V, 12V, 24V - 12 watts, quartz bi-pin <b>LQ20</b> = large halogen, 6V, 12V, 24V - 20watts, quartz bi-pin <b>LQ55</b> = large halogen, 12V - 55 watts, H3 <b>LQ70</b> = large halogen, 24V - 70 watts, H3 <b>RM6</b> = mini halogen, 6V - 6 watts, MR16 <b>RM10</b> = mini halogen, 6V - 10 watts, MR16 <b>RM12</b> = mini halogen, 12V - 12 watts, MR16 <b>RM20</b> = mini halogen, 12V, 24V - 20 watts, MR16 <b>LS9</b> = large tungsten, 6V, 12V - 9 watts, sealed beam <b>LS18</b> = large tungsten, 6V, 12V - 18 watts, sealed beam <b>LS25</b> = large tungsten, 6V, 12V, - 25 watts, sealed beam <b>LH8</b> = large halogen, 6V, 12V - 8 watts, quartz sealed beam <b>LH12</b> = large halogen, 6V, 12V - 12 watts, quartz sealed beam <b>LH20</b> = large halogen, 6V - 20 watts, quartz sealed beam <b>RL150MA</b> = mini deco halogen, 12V - 20 watts, MR16* <b>RL150MB</b> = mini deco halogen, 12V - 35 watts, MR16* <b>RL150MC</b> = mini deco halogen, 12V - 50 watts, MR16* <b>RL150MD</b> = mini deco halogen, 24V - 20 watts, MR16* <b>RL150ME</b> = mini deco halogen, 24V - 35 watts, MR16* <b>RL150MF</b> = mini deco halogen, 24V - 50 watts, MR16* <b>RL150MS</b> = mini deco halogen, 24V - 12 watts, MR16* <b>LD7</b> = 12V - 4 watts LED	<b>Blank</b> = factory white <b>BK</b> = black	<b>Blank</b> = 120/347Vac input <b>U277</b> = 277Vac input <b>U240</b> = 240Vac input <b>U220</b> = 220/50hz Vac input	<b>A</b> = ammeter <b>CT</b> = cabtire <b>D3</b> = time delay 15 min. <b>D6</b> = 6cct. fuse panel <b>IT</b> = AC terminal block <b>LB</b> = light activated test switch <b>LD</b> = lamp disconnect <b>OT</b> = output terminal block <b>R1</b> = remote test receiver <b>R2</b> = remote test transmitter <b>TL</b> = twist lock plug <b>V</b> = voltmeter
<b>LDX12</b> = 12 volts  <b>EXAMPLE:</b> LDX12-100TAD2RM12	<b>-36T</b> = 36 watts [S]* <b>-72T</b> = 72 watts [S]* <b>-100T</b> = 100 watts [S]* <b>-144T</b> = 144 watts [S]* <b>-200T</b> = 200 watts [L]*						
<b>LDX24</b> = 24 volts  <b>EXAMPLE:</b> LDX24-144TAD2RL150MD	<b>-144T</b> = 144 watts [L]* <b>-288T</b> = 288 watts [L]*	*Not all options available with NEXUS® System. Please consult your sales representative.					

\*Supplied with polar white or black cabinet only.