LDX-VQ Series

6, 12 and 24 Volts Units with Polycarbonate Light Cubes

Project/Location:

Contractor:

Date:

Prepared by:

Features

- Impact-resistant steel center cabinet contains the battery and charger
- Frosted, polycarbonate light cubes protect light modules against vandalism while providing visual masking and light diffusion
- Units can be wall or ceiling mounted
- Maintenance-free, sealed lead calcium battery
- Fully automatic, solid-state charger with low voltage battery disconnect, brownout protection, integral test switch and LED AC-On pilot lights
- Also available as a remote fixture; see Remote Fixtures section of this catalogue
- NEXUS® compatible

nexus® Made in Canada

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 heads 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 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 unit shall come complete with fully adjustable 12V or 24V / 12 watts or 20 watts quartz halogen lamps. Each lamp shall be housed in an impact-resistant polycarbonate cube. The cube lens shall be frosted to diffuse light.

The unit shall be Ready-lite model: _____.

Wire Guards

460.0097-RL	Wall or Ceiling Mount

Replacement Lamps

Ordering Code	Lamp Type	Voltage-Wattage
570.0016-RL	Mini tungsten	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

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
LDX6144		0.22 / 0.08 Amp	144	84	60	48	24
LDX6180		0.22 / 0.08 Amp	180	105	75	60	30
LDX1236		0.10 / 0.04 Amp	36	21	15	12	6
LDX1272		0.15 / 0.06 Amp	72	42	30	24	12
LDX12144		0.41 / 0.14 Amp	144	84	60	48	24
LDX12200		0.41 / 0.14 Amp	200	117	83	67	33
LDX12288		0.41 / 0.14 Amp	288	168	120	96	48
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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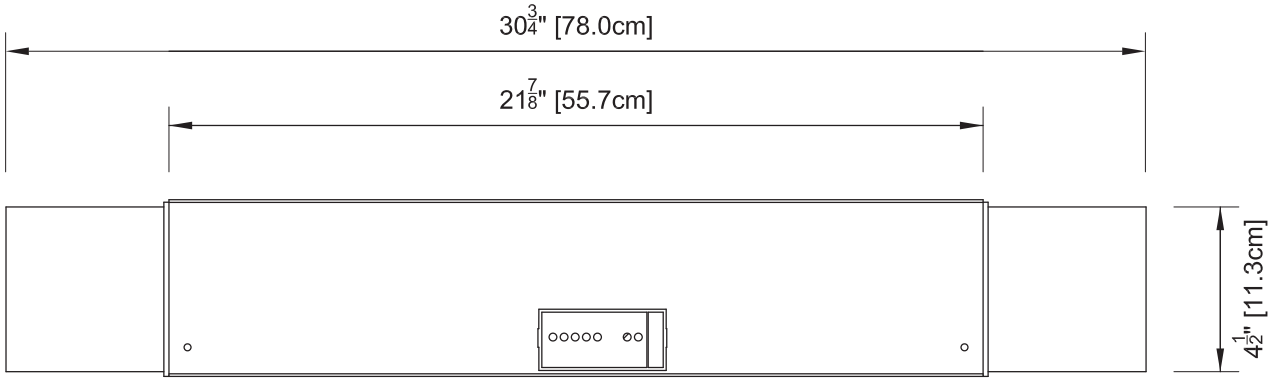
Dimensions



Ordering Information

Series	Capacity	Special Options	Number of Lamps	Lamp Style/Wattage	Voltage	Options
LDX6= 6 volts **EXAMPLE:** LDX6-36VQ12	**-36VQ**= 36 watts **-72VQ**= 72 watts **-144VQ**= 144 watts **-180VQ**= 180 watts	**Blank**= standard **AD**= self-diagnostic **ADN**= self-diagnostic non-audible **NEX**= NEXUS® system interface* **NEXRF**= wireless NEXUS® system interface* *Please consult your sales representative for output power range and options available with NEXUS® System.	**Blank**= 2 lamps	**Blank**= mini halogen, 6V, 12V - 8 watts, quartz bi-pin **9**= mini tungsten, 6V, 12V, 24V - 9 watts, wedge base **12**= mini halogen, 6V, 12V -12 watts, quartz bi-pin **18**= mini tungsten, 12V, 24V - 18 watts, wedge base **20**= mini halogen, 6V, 12V, 24V - 20 watts, quartz bi-pin **RM6**= mini halogen, 6V - 6 watts, MR16 **RM10**= mini halogen, 6V - 10 watts, MR16 **RM12**= mini halogen,12V, 24V - 12 watts, MR16 **RM20**= mini halogen,12V, 24V - 20 watts, MR16 **RM35**= mini halogen, 12V, 24V - 35 watts, MR16 **RM50**= mini halogen, 12V, 24V - 50 watts, MR16 **LD7**= 12V - 4 watts LED	**Blank**= 120/347Vac input **U220**= 220/50hzVac input **U240**= 240Vac input **U277**= 277Vac input	**CT**= cabtire **D3**= time delay 15 min. **D5**= time delay **IT**= AC terminal block **LD**= lamp disconnect **OT**= output terminal block **R1**= remote test receiver **R2**= remote test transmitter **TL**= twist lock plug **TP**= tamper proof screws **LC**= linecord 120V **990.0119-RL**= tamper proof bit* *One bit needed per order
LDX12= 12 volts **EXAMPLE:** LDX12-72VQ12	**-36VQ**= 36 watts **-72VQ**= 72 watts **-144VQ**= 144 watts **-200VQ**= 200 watts **-288VQ**= 288 watts					
LDX24= 24 volts **EXAMPLE:** LDX24-144VQ20	**-144VQ**= 144 watts **-288VQ**= 288 watts					