



# LDX-VQ Series

6, 12 and 24 Volts Units  
with Polycarbonate Light Cubes

## Decorative, high performance emergency lighting units

The LDX-VQ Series unit blends seamlessly into any commercial building environment and is ideally suited for applications requiring a decorator design as well as protection against vandalism.

### 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
- Choice of lamps include mini tungsten wedge base, mini halogen quartz bi-pin and halogen MR16
- Maintenance-free, sealed lead calcium battery
- 120/347Vac standard input
- 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
- CSA C22.2 No. 141 certified





Project/Location:	Date:
Contractor:	Prepared by:

# LDX-VQ Series

## 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.

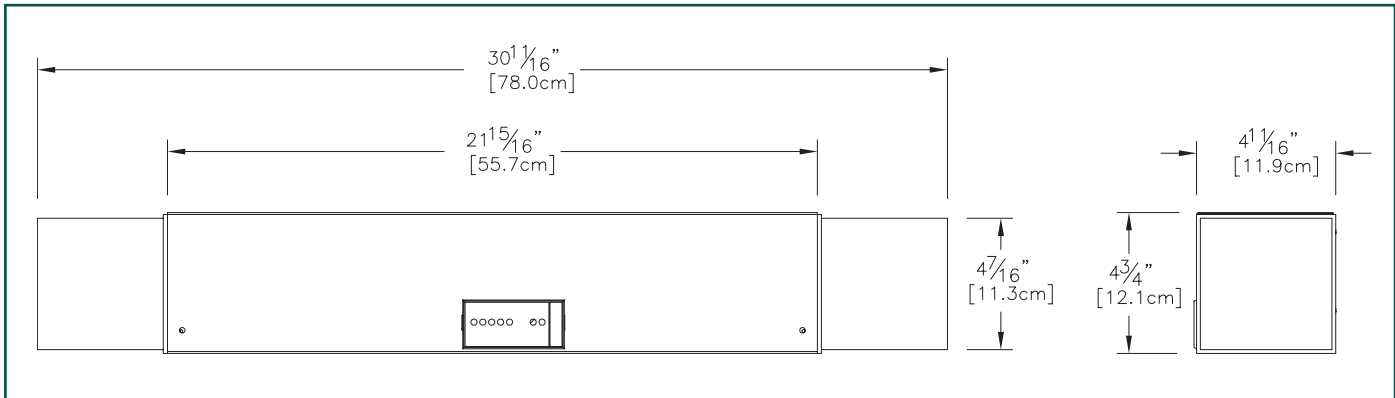
The unit shall have an output of \_\_\_\_\_ volts.

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 - \_\_\_\_\_.

## Dimensions



## Ordering Information

Series	Capacity	Special Options	# of Lamps	Lamp Style / Wattage	A.C. Voltage	Options
LDX6= 6 volts	-36VQ= 36 watts	Blank= standard AD= auto-diagnostic ADN= auto-diagnostic non-audible	Blank= 2 lamps	8= mini halogen, 6V, 12V - 8 watts, quartz bi-pin	Blank= 120/347Vac input U220= 220/50hz Vac input U240= 240Vac input U277= 277Vac input	CT= cabtire D5= time delay IT= AC terminal block LD= lamp disconnect OT= output terminal block R1= remote test receiver TL= twist lock plug TP= tamper proof screws
	-72VQ= 72 watts			9= mini tungsten, 6V, 12V, 24V - 9 watts, wedge base		
	-144VQ= 144 watts			12= mini halogen, 6V, 12V - 12 watts, quartz bi-pin		
	-180VQ= 180 watts			18= mini tungsten, 12V, 24V - 18 watts, wedge base		
EXAMPLE : LDX6-36VQ12				20= mini halogen, 6V, 12V, 24V - 20 watts, quartz bi-pin		
	LDX12= 12 volts	-36VQ= 36 watts		RM6= mini halogen, 6V - 6 watts, MR16		
		-72VQ= 72 watts		RM10= mini halogen, 6V - 10 watts, MR16		
		-144VQ= 144 watts		RM12= mini halogen, 12V - 12 watts, MR16		
		-200VQ= 200 watts		RM35= mini halogen, 12V, 24V - 35 watts, MR16		
EXAMPLE : LDX12-72VQ12				RM50= mini halogen, 12V, 24V - 50 watts, MR16		
	LDX24= 24 volts	-144VQ= 144 watts				
		-288VQ= 288 watts				
EXAMPLE : LDX24-144VQ20						