



LDX-VQ SERIES

Decorative 6, 12 and 24V
Thermoplastic Cube Units

FEATURES

- Impact-resistant steel center cabinet contains the battery and charger
- Frosted, thermoplastic 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 the Remote Fixtures section of this catalogue
- CSA C22.2 No. 141-15 certified
- NEXUS® compatible
- Advanced diagnostics capabilities (specific load requirements)
See warranty details at: www.tnb.ca/en/brands/ready-lite



TYPICAL SPECIFICATIONS

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

The **Ready-Lite® LDX-VQ Smart Diagnostic** micro-controller board shall supply the rated load for a minimum of 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 _____ V.

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, and 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 every 6 months 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 6V, 12V and 24V LED 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

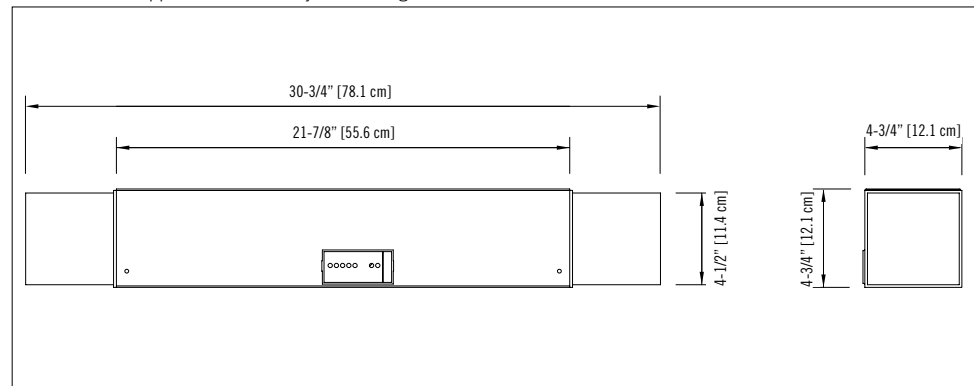
460.0097-RL	wall mount or ceiling mount
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REPLACEMENT LAMPS

ORDERING CODE	TYPE	VOLTAGE/ WATTAGE
580.0097-RL	MR16, LED	6V-4W
580.0122-RL	MR16, LED	6V-5W
580.0093-RL	MR16, LED	12V-4W
580.0104-RL	MR16, LED	12V-5W
580.0106-RL	MR16, LED	12V-6W
580.0098-RL	MR16, LED	24V-4W
580.0100-RL	MR16, LED	24V-6W

DIMENSIONS

Dimensions are approximate and subject to change.



POWER CONSUMPTION AND UNIT RATING

MODEL	AC SPECS	WATTAGE CAPACITY					
		30MIN	1H00	1H30	2H00	4H00	
LDX636	120/347VAC	0.10/0.04 A	36	21	15	12	6
LDX672		0.22/0.08 A	72	42	30	24	12
LDX1236		0.10/0.04 A	36	21	15	12	6
LDX1272		0.15/0.06 A	72	42	30	24	12
LDX12144		0.41/0.14 A	144	84	60	48	24
LDX24144		0.55/0.20 A	144	84	60	48	24



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ORDERING INFORMATION

SERIES	CAPACITY	SPECIAL OPTIONS	# OF LAMPS	LAMP STYLE/WATTAGE	AC VOLTAGE	OPTIONS
LDX6	-36VQ= 36W -72VQ= 72W	Blank = standard AD = auto-diagnostic ¹ ADN = auto-diagnostic, non-audible ¹ NEX = NEXUS [®] system interface ¹ NEXRF = wireless NEXUS [®] system interface* ¹ Minimum lamp load required: 20% of unit capacity Not all options available with NEXUS System. Please consult your sales representative	Blank = two lamps	LD1 = MR16 LED, 6V-4W LD2 = MR16 LED, 6V-5W LD7 = MR16 LED, 12V-4W LD9 = MR16 LED, 12V-5W LD10 = MR16 LED, 12V-6W LD13 = MR16 LED, 24V-4W LD14 = MR16 LED, 24V-6W	Blank = 120/347VAC input U277 = 277VAC input	CT = cab-tire D3 = time delay (15 mins.) IT = AC terminal block ITOT = AC/DC terminal block ³ LC = line cord (120V) LD = lamp disconnect OT = DC terminal block TL = twist-lock plug (120V) ¹ TP = tamper-proof screws ²
LDX12	-36VQ= 36W -72VQ= 72W -144VQ= 144W					
LDX24	-144VQ= 144W					

EXAMPLE: LDX6-36VQLD1