



LDX-EXP Series Hazardous Location

Battery unit, exit sign and
combination unit

Project/Location: _____

Contractor: _____

Date: _____

Prepared by: _____

Features

- CSA Certified for use in hazardous locations: Class I, Divisions 1 and 2, Groups B, C, D Class II, Divisions 1 and 2, Groups E, F, G Class III, Divisions 1 and 2
- Die-cast aluminum body with grey epoxy powder coat finish; clear, impact and heat resistant prismatic glass globe
- Long-life, maintenance-free lead-calcium battery
- Battery charger is current limited, temperature compensated, short-circuit proof and reverse polarity protected
- Emergency heads with one or twin lamp design
- Self-powered exit (combo) includes a transfer circuitable to drive four LED-based remote exit signs
- Exit sign uses a LED lamp with ALINGAP technology
- Exit sign is CSA certified, meets or exceeds C860 requirements
- The self-powered version is also CSA C22.2 No. 141 certified
- New, easy-to-build catalogue number based on the Ready-Lite Severity Codes
- Also available as remote exit signs and remote fixtures; refer to the RFX-EX and RFX catalogue sheets



Typical Specification

Supply and install the Ready-Lite **LDX-EXP Series** of hazardous locations battery equipment. The battery unit housing will be constructed of die cast aluminum with grey epoxy powder coat finish. The equipment shall be rated for 120, 277 or 347 volts, 60 Hz input and be CSA listed. The equipment shall have an output of _____ volts and _____ watts and shall supply the rated load for a minimum of a 1/2 hour to 87,5% of the rated battery voltage. The battery shall be a long-life, maintenance-free lead-calcium type. The charger shall be fully computer tested and have its charge voltage set in the factory to $\pm 1\%$ tolerance. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The charger 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 the utility power dips below 75% of nominal voltage.

Where required the equipment shall come complete with _____ heads, each of them equipped with _____ lamp(s) of _____ watts. The head housing shall be die-cast aluminum with grey epoxy powder coat finish. The lenses shall be a clear, impact and heat resistant prismatic glass globe. The head shall be factory sealed, with no need for external seals.

Where required the equipment shall come complete with one exit sign and will include a transfer circuit to maintain the exit sign permanently lighting in both normal and emergency operation. The exit housing shall be industrial grade 14-gauge steel and finished in grey enamel. The faceplate will be constructed of heavy-duty 14-gauge steel and feature universal knockout chevrons and the red letters shall not be less than 6" (150 mm) in height with a 3/4" (19 mm) stroke. The sign shall include a LED lamp with **ALINGAP** LEDs and shall consume less than 5 watts in either AC or battery mode. The exit sign shall be C860 and NRCAN/C860-01 approved.

The equipment shall be suitable for Class _____ Division _____ Group _____.

The exit sign shall be CSA-C860 and NRCAN/C860-01 approved.

The equipment shall be the Ready-Lite model: _____.

Power Consumption

Model	AC Specs		Wattage Capacity				
			30min	1h00	1h30	2h00	4h00
LDX636EXP	120 or 347Vac	0.50 or 0.20 Amp	36	21	15	12	6
LDX672EXP			72	42	30	24	12
LDX6108EXP			108	63	45	36	18
LDX1272EXP			72	42	30	24	12
LDX12144EXP			144	84	60	48	24
LDX12200EXP			200	117	83	67	33
LDX24144EXP			144	84	60	48	24
LDX24288EXP			288	168	120	96	48

NOTE : The wattage capacity applies only to the battery unit.
For combo or self-powered EXIT signs one must allocate 5 watts of emergency power for each sign.

1.

Environment	Severity Code
Cl. I, Div. 1, Gr. B	S1
Cl. I, Div. 1, Gr. C, D	S2
Cl. I, Div. 2, Gr. B, C, D	S3
Cl. II, Div. 1 & 2, Gr. E, F, G Cl. III, Div. 1 & 2	S4

2.

Certification Guide for LDEX-EXP-E (Unit with Exit Sign, no Heads – 40°C ambient)				
Severity Code	S1	S2	S3	S4
Temperature Code	T6	T6	T3C	T3C (E.G.F)
CSA/UL rating	Max. 85°C	Max. 85°C	Max. 160°C	Max. 160°C

Certification Guide for Unit with Emergency Heads and for Remote Lighting Fixture (40°C ambient)				
Severity Code	S1	S2	S3	S4
Temperature Code	T4A	T6	T1	T3C (E.G.F)
CSA/UL rating	Max. 120°C	Max. 85°C	Max. 450°C	Max. 165°C

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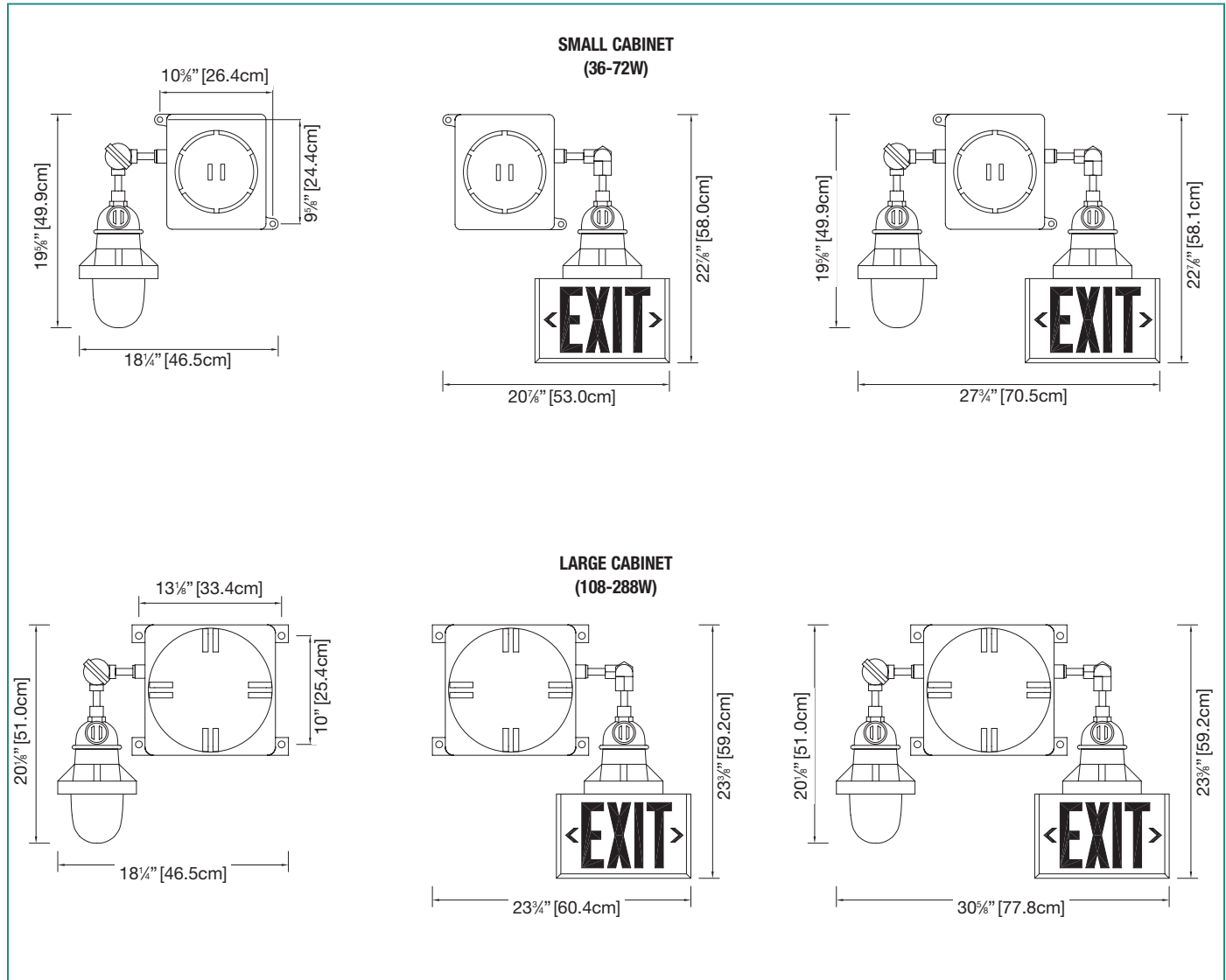
Prepared by: _____

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Dimensions



Ordering Information

DC Voltage	Capacity/ Cabinet Size	Series	Lighting Head Style	Severity Code	Lamps	Faces	AC Voltage	Options
LDX6 = 6 volts	-36= 36 watts (S)* -72= 72 watts (S)* -108= 108 watts (L)*	EXP	Blank = no head /11 = single remote, 1 lamp /12 = single remote, 2 lamps /21 = double remote, 1 lamp each	S1 = see chart S2 = see chart S3 = see chart S4 = see chart	12 = halogen, 6V, 12V - 12 watts, quartz bi-pin 20 = halogen, 12V, 24V - 20 watts, quartz bi-pin	-E1 = single face exit sign, C860, L.E.D. -E2 = double face exit sign, C860, L.E.D.	Blank = 120Vac U277 = 277Vac input U347 = 347Vac input	Blank = no options D5 = time delay 15 min. TP = transfer panel
LDX12 = 12 volts	-72= 72 watts (S)* -144= 144 watts (L)* -200= 200 watts (L)*							
LDX24 = 24 volts	-144= 144 watts (L)* -288= 288 watts (L)*							
					Note: For other lamp options, please consult your sales representative			

Certain combinations are not available, please consult your sales representative.

EXAMPLE: LDX6-36/11S112-E1