



SICURA UNIT

6, 12 & 24 Hazardous Battery Unit

Project Name: _____ Model Number: _____
Prepared By: _____ Date: _____

FEATURES & BENEFITS

- Corrosion resistant heavy-duty cast aluminum housing
- Hazardous location certified
- Surface wall, ceiling or pendant mount
- Stainless steel breather for safe and effective ventilation
- One or two heads and lamps
- High-efficiency two stage charger
- Exact dimensions will vary depending on the unit configuration and rating classification
- CSA 22.2 No. 141-15 Performance Certified

DIMENSIONS

Call factory for details

ORDERING GUIDE

SERIES	OPERATION	CAPACITY	HAZARD CODE	FIXTURES	LAMP	LAMP TYPE	VOLTAGE	OPTIONS
HDZ	6 (Volt DC) 12 (Volt DC) 24 (Volt DC)	See model rating guide	See hazard chart	0 (None) 1XF (One head) 2XF (Two heads)	1 (Single) 12 (Double)	See lamp guide above	120/347V 120/277V 347V 120V 277V	NC (Ni-Cd batteries, see guide) AT (Auto-test self-diagnostics) ² WG (Cast wireguard) ³ TD (Time Delay, 10mins default or specify)

NOTE: Small charger 120/277/347V used with 6V50W, 12V120W and below. Large charger 24V, 6V72W, 12V150W and above. ¹LED is available in single only. ²Available with C1D1GB and C1D1GCD ratings. ³Single voltage only, except if high power AT charger board is used.

HAZARDOUS CODE CHART

LOCATION	CODE
Class I, Division 1, Group B	C1D1GB
Class I, Division 1, Group C, D	C1D1GCD
Class I, Division 2, Group A, B, C, D	C1D2GABCD
Class II, Division 1, Group E, F, G	C2D1GEFG
Class II, Division 2, Group E, F, G	C2D2GEFG
Class III, Divisions 1, 2	C3D12

TEMPERATURE CODES

TEMPERATURE CODES CLASS I, DIV. 2		
Lamp	4 Watt LED	20 Watt Halogen
T Code	T6	T4A
TEMPERATURE CODES CLASS 2, DIV. 1 & 2		
Lamp	4 Watt LED	20 Watt Halogen
T Code	T4A	T1

LAMP SELECTION

	6V	12V	24V
Quartz (Q)	12W	12, 20W	N/A
LED (LED)	N/A	4W	4W

NOTE: LED only available in single lamp

BATTERY TECHNOLOGY

Designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Ni-Cd batteries are optional. Recharge time of the battery is 24 hours. The maximum battery operating temperature is +40°C and the minimum is +10°C.

BELUCE AUTO-TEST (AT)

The BeLuce auto-test system automatically performs one 5 minute discharge test monthly and every 6 months it performs two 30 minute discharge tests, 24 hours apart. This tests both full battery capacity and recharge capability, as required by the fire code. The Auto-Test option includes an automatic time delay function to allow for HID lighting to "warm up". Specify 0, 5, 10 or 20 minutes.

MODEL RATING GUIDE

MODEL	VOLTAGE (OUTPUT)	VOLTAGE 30MIN
HDZ-6-36	6	36
HDZ-6-50	6	50
HDZ-6-50-NC	6	50
HDZ-6-80	6	80
HDZ-6-90	6	90
HDZ-6-100-NC	6	100
HDZ-6-160	6	160
HDZ-6-180-NC	6	180
HDZ-12-36	12	36
HDZ-12-72	12	72
HDZ-12-90	12	90
HDZ-12-100-NC	12	100
HDZ-12-120	12	120
HDZ-12-150	12	150
HDZ-12-180	12	180
HDZ-12-200-NC	12	200
HDZ-12-250	12	250
HDZ-24-144	24	144
HDZ-24-180	24	180
HDZ-24-200-NC	24	200
HDZ-24-320	24	320