

HZLB Series Intrinsically Safe Battery

FOR HAZARDOUS LOCATION LIGHT FIXTURES

PROJECT INFORMATION

Project Name _____

Catalog No. _____ Date _____

DESCRIPTION

The ActiveLED® 12V DC Portable Battery combines the efficiency and performance of ActiveLED technology with robust design and construction. Ideal for illuminating confined spaces where flammable gases, vapors, liquids and dusts may be present.

The portable ActiveLED Intrinsically Safe Battery specifically designed for wet and conductive environments, including petrochemical containers, grain silos and storage tanks.

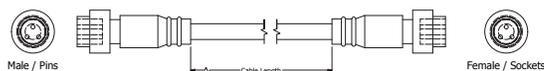
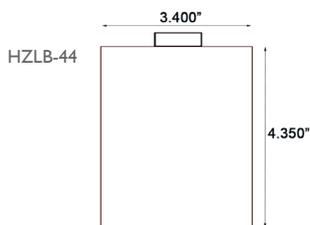
The battery can be charged outside the hazardous area from a 14.4V DC Output Battery Charging Station, that can also be used in conjunction with ActiveLED Low Voltage Explosion Proof light fixtures being in full compliance with OSHA requirements for portable lighting in wet or conductive locations in confined spaces (1926.405(a)(2)(ii)(G)).

The ActiveLED HZLSL Hazard Light will run for 7 hours (see temperature and cycle de-rating on page 2) on full and another hour on reduced light output while maintaining Class I and Division I ratings.



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DIMENSIONS



REKME PART #	Part Number	Cable Length
10UG200AP	54-10300310	3'
10UG200AP	54-10300312	12'
10UG200AP	54-10300380	80'

FEATURES

- North America - Class I, Division I Groups B, C and D - T5
- Canada - Class I, Division I, Groups C, D and - T5
- Fully enclosed LiFePO₄ Battery Pack, 6 J impact resistant.
- The output current is electronically limited to 490mA and the output voltage does not exceed 12V-DC plus internal 500mA fast acting fuse provides additional protection
- Warranty - 10 Year Warranty on battery housing and electronics. See page 2 for additional warranty information
- Intrinsically Safe voltage limited and current limited for light fixture and battery power source
- Battery double protected against short circuit on output
- TSA approved carry-on-case option

MOUNTING OPTIONS (Sold Separately)

NON-SPARKING MONTINGS SUITABLE FOR LIGHT OR BATTERY (NOT INCLUDED)



Single Hook Mount



Eye Hook Mount with Handle



Magnetic Clamp Mount Standard



CAPACITY
44 Wh

MAX LOAD
6.6 W

MIN RUNTIME
7 hrs

ActiveLED®
Energy Efficient Lighting and Controls



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PERFORMANCE DATA

AMBIENT TEMPERATURES	1 CYCLE	1000 CYCLES	1800 CYCLES
77°F (25°C)	1.00	0.83	0.72
104°F (40°C)	1.00	0.74	0.70
131°F (55°C)	1.00	0.70	0.63
140°F (60°C)	1.00	0.65	0.58

Capacity de-rating table for different operating temperatures.

GENERAL SPECIFICATIONS

Charging Voltage	14.4V-DC max, 490mA max	Dimensions	2.64" Height, 3.40" Wide and 2.48" Diameter (6.70cm x 8.63cm x 6.29cm)
Input Power	limited to 6.6Watt	Weight	3.8 lbs.
Output Voltage	nominal 12.8V-DC	CAUTION!	Only use dedicated ActiveLED Charger Unit
Output Power	Current Limited to 490mA, max 6.6W		
Current Limit	Electronic Current Source in series with additional 500mA fast acting Fuse		
Operating Temperature	-28°F to 140°F (-40°C to 60°C)		
Battery Charger Output Voltage	12.8V-DC nominal for 4 cell LiFePO4 batteries only.		
Housing	Aluminum for enclosure and heat sinking parts, stainless steel hardware		
Finish	Powder coated after fabrication		

WARRANTY

Ten (10) Year Warranty or 1800 charge cycles. Battery and electronics shall conform to their published specifications under normal usage and operating conditions including "low-capacity-loss" of not more than 30% at the end of 1800 re-charge cycles when operated (charged or discharged) within +48...+104 °F.

LISTINGS AND TESTS

UL844, Class I Division 1, CE, suitable for wet locations. RoHS compliant. IP68 Rated Driver; IP66 Rated enclosure. Conforms to FCC Part 15.19 Subpart B Class A. Made in USA - ARRA Compliant.

ORDERING INFORMATION

Example: HZLB44-M



Series	Capacity	Mounting
HZLB Intrinsically Safe Battery	44 44 Wh	N None Standard
	88 88 Wh	M Magnet
		H Hook

CAUTION: Max of 1 ActiveLED HZSL fixture per battery. These units are not self serviceable. All repairs must be carried out by the manufacturer or an authorized agent.