

LED EMERGENCY BATTERY PACK

MODEL NO: _____

TYPE: _____

PROJECT: _____

COMMENTS: _____



LED OPERATION

Up to 12W LED load at 24VDC (Nominal)

DESCRIPTION:

The **ILB-2412** from IOTA Engineering is a UL Recognized LED emergency battery pack that allows the same LED fixture to be used for both normal and emergency operation. In the event of a power failure, the **ILB-2412** switches to the emergency mode and operates the existing fixture for **90 minutes**. The unit contains a battery, charger, and converter circuit in a single can and is provided with dual flex for wiring to the fixture and test accessories. The **ILB-2412** is for use with an LED load up to **12W** at a rated current of **500mA**.

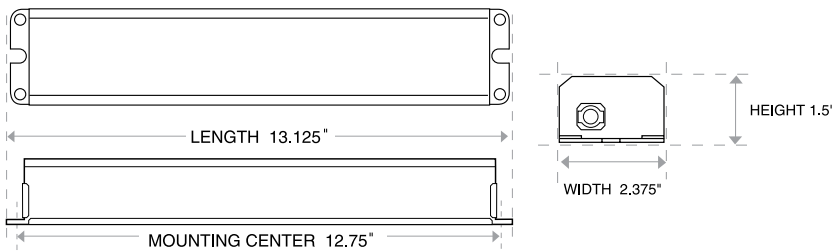
TECHNICAL SPECIFICATIONS

Input Voltage.....	(Dual) 120/277 VAC, 60Hz
Input Rating.....	2.0 Watts
Output Voltage.....	24 VDC Nominal
Output Current.....	500 mA (constant)
Output Power.....	12 W (Max)
Emergency Operation.....	90 minutes
Operating Temp.....	0° to 55° C
Battery.....	Nickel-Cadmium 24 Hour Recharge 7-10 Year Life Expectancy
Weight.....	4.5 lbs.
UL Conditions of Acceptability.....	Must be factory wired Battery temperature must not exceed 55° C



CASE DIMENSIONS

13.125" x 2.375" x 1.5" (mounting center 12.75")



FEATURES

- Long life high temperature recyclable Ni-Cad battery
- Galvanized steel case
- Includes test switch and charge indicator accessory kit
- For use with switched or unswitched fixtures
- 5-Year Warranty.** See Warranty Page for details.
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements



P.O. BOX 11846 TUCSON, AZ 85734
 (520) 294-3292 • FAX (520) 741-2837

www.iotaengineering.com

ILB-2412

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OPTIONS

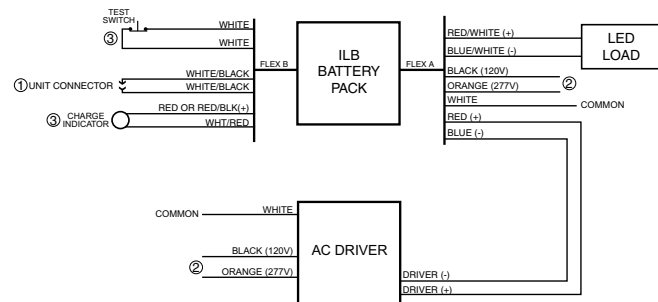
CONFIGURATION

- TBTS (STANDARD)
- TWO-PIECE TEST SWITCH AND CHARGE INDICATOR

ILB-2412 SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard LED fixture equipped with an **ILB-2412** LED emergency battery pack. The **ILB-2412** shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 13.125" x 2.375" x 1.5" vandal-resistant galvanized steel case. The unit is designed for installation on top of the fixture and is equipped with $\frac{3}{8}$ " flex for wiring to the fixture or ballast compartment. A test switch and charge indicator accessory kit shall be included. The LED emergency battery pack shall operate an LED load of up to 12W at a rated current output of 500mA for a minimum of 90 minutes in the emergency mode. The **ILB-2412** shall have 2.0 watts of input power and a battery capacity of 24 watt hours. The **ILB-2412** is UL Recognized and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements. The **ILB-2412** is warranted for a full five (5) years from the date of purchase.

ILB-2412 SAMPLE WIRING DIAGRAM



- ① DO NOT MATE CONNECTOR UNTIL INSTALLATION IS COMPLETE AND AC POWER IS SUPPLIED.
- ② SELECT PROPER VOLTAGE. CAP UNUSED LEADS.
- ③ TEST ACCESSORY LEADS-OBSERVE PROPER POLARITY WIRING.

REMOTE MOUNTING

When battery packs are remote mounted, the remote distance can not exceed $\frac{1}{2}$ of the distance from driver to load specified by the A.C. driver manufacturer. For example, if the A.C. driver manufacturer recommends no more than 8' remote distance, then the battery pack should not exceed 4'. The maximum allowable remote mounting distance is 10' from the load.

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