



FEATURES
PARALLEL OPERATION
 FOR ADDITIONAL SAFETY



DESCRIPTION

The **I-232** from IOTA Engineering is a UL Listed fluorescent emergency ballast that allows the same fixture to be used for both normal and emergency operation. In the event of a power failure, the **I-232** switches to the emergency mode and operates **two** of the existing lamps **in parallel** for **90 minutes**. The unit contains a battery, charger, and inverter circuit in a single can, and can be mounted in the wireway or on top of the fixture. The **I-232** can be used with most **2'-4'** lamps, with an initial output of up to **1400 lumens** for **two lamps** (700 lumens each lamp). If one of the lamps is inoperable, the **I-232** will operate the remaining lamp with an initial output of 1000 lumens. The **I-232** is compatible with **all** electronic or magnetic, series or parallel output, multi-lamp ballasts. The **I-232** is suitable for use in damp locations and enclosed and gasketed fixtures.

SPECIFICATIONS

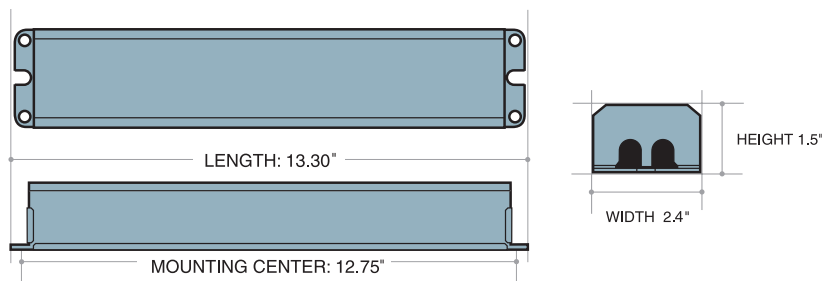
Input Voltage	(Dual) 120/277V, 60Hz
Input Wattage	4 Watts
Lamps Operated	Most 2'-4' single, bipin T8 thru T12, HO and VHO fluorescent lamps
Emergency Operation	90 minutes
Initial Illumination	(2) lamps - 1400 lumens* (700 lumens each lamp)
Operating Temp	0° to 50° C
Battery	24 Hour Recharge 7-10 Year Life Expectancy
Weight	3.6 lbs.
Approval	UL and CUL Listed



*Initial illumination is 1000 lumens when one lamp is inoperable.

DIMENSIONS

13.3" x 2.4" x 1.5" (mounting center 12.75")



MODEL NO: _____
 TYPE: _____
 PROJECT: _____
 COMMENTS: _____

INITIAL LUMEN OUTPUT

1400 Lumens

LAMPS OPERATED*



(2) 2-4 ft. Single, Bipin HO or VHO T8-T12

*Refer to Lumen Reference Chart for list of compatible lamps

PRODUCT ADVANTAGES

- **Parallel Lamp Operation**
- **Time Delay feature for compatibility with End-of-Lamp-Life circuitry**
- **Open Circuit Isolation protects unit when load is absent**

FEATURES

- Will cold start and operate all specified lamps
- Long life high temperature recyclable Ni-Cad battery
- Galvanized steel case
- Includes test switch and charge indicator accessory kit
- For use with any magnetic or electronic ballast
- For use with switched or unswitched fixtures
- **5-Year Warranty.** See Warranty Page for details.
- Suitable for use in damp locations and enclosed and gasketed fixtures
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- International Voltage Models available



I-232

PARALLEL OPERATION FLUORESCENT EMERGENCY BALLAST

OPTIONS

TEST KIT CONFIGURATION

- TWO-PIECE TEST SWITCH AND CHARGE INDICATOR

VOLTAGE RATINGS

- 120/277V 60HZ (STANDARD)
- 220V 50HZ
- 240V 60HZ
- 120V 50HZ

INITIAL LUMEN RATINGS

LAMP	2 LAMPS
F17 T8	1000
F28 T8	1260
F32 T8	1400
F20 T12	900
F40 T12	1200

REMOTE MOUNTING

When battery packs are remote mounted, consult Customer Service for the maximum allowable distance between the battery pack and lamp(s).

I-232 SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA I-232** fluorescent emergency battery pack. The **I-232** shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 13.3" x 2.4" x 1.5" vandal-resistant galvanized steel case for installation either inside the wireway or on top of the fixture. A long-life LED charge indicator light and test switch shall be included. The fluorescent EM pack shall operate **two** 20w-40w (2'-4') T8 - T12 fluorescent lamps, in **PARALLEL OPERATION**. The **I-232** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 1400 lumens. Should one lamp become inoperable, the remaining lamp shall operate at a minimum initial output of 1000 lumens. The **I-232** shall have 4 watts of input power and a battery capacity of 24 watt hours. The **I-232** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements, and rated for use in damp locations. The **I-232** is warranted for a full five (5) years from the date of purchase.

PARALLEL OPERATION SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an integral fluorescent emergency battery pack. The EM pack shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a galvanized steel case for installation either inside the wireway or on top of the fixture. A long-life LED charge indicator light and test switch shall be included. The fluorescent EM pack shall operate **two** 20w-40w (2'-4') T8 - T12 fluorescent lamps in parallel lamp operation. The EM pack shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 1400 lumens. Should one lamp become inoperable, the remaining lamp shall operate at a minimum initial output of 1000 lumens. The unit shall have 4 watts of input power and a battery capacity of 24 watt hours. The EM pack must be UL Listed and meet or exceed all NEC and Life Safety Code Emergency Lighting Requirements, and rated for use in damp locations. All product shall be warranted for a full five (5) years from the date of purchase.