

**REDUCED PROFILE FLUORESCENT EMERGENCY BALLAST**



MODEL NO: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 COMMENTS: \_\_\_\_\_

**LAMPS OPERATED\***

Most 2'-8' single, bipin, T8 thru T12 HO or VHO fluorescent lamps, incl. long compact and 2'-4' 14W to 54W T5 lamps

\*Refer to Lumen Reference Chart for list of compatible lamps

**DESCRIPTION:**

The **I-320** 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-320** switches to the emergency mode and operates **one or two** of the existing lamps 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-320** can be used with most **2'-8' T8 and T12** lamps and **2'-4' 14W to 54W T5** lamps, with an initial output of up to **1400 lumens** for one or two lamps, and features lamp selector leads for optimizing light output for the designated lamp type. The **I-320** delivers high performance in a slim design, and is ideal for use in fixtures where ballast compartment space is limited.

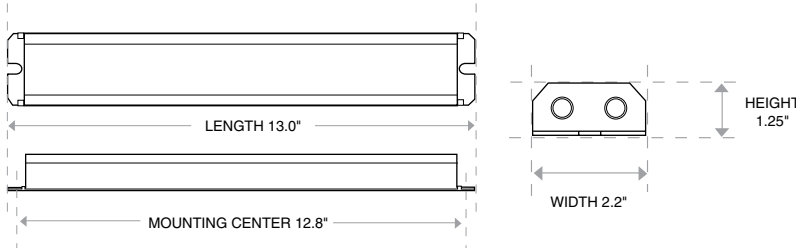
**TECHNICAL SPECIFICATIONS**

Input Voltage.....	(Dual) 120/277V, 60Hz
Input Wattage .....	3.5 Watts
Lamps Operated.....	Most 2'-8' single, bipin T8 & T12 HO or VHO fluorescent lamps, incl. long compact and 2'-4' 14W to 54W T5 lamps
Emergency Operation* .....	(1) 2'-8' or (2) 2'-4' 90 minutes *Long compact and T5 - (1) lamp only
Initial Illumination.....	(1) lamp 1400 lumens (2) lamps 700 lumens each lamp
Operating Temp .....	0° to 55° C
Battery .....	24 Hour Recharge 7-10 Year Life Expectancy
Weight .....	2.5 lbs.
Approval .....	UL and CUL Listed



**CASE DIMENSIONS**

13.0" x 2.2" x 1.25" (mounting center 12.8")



**PRODUCT ADVANTAGES**

**Time Delay feature for compatibility with End-of-Lamp-Life circuitry**

**Open Circuit Isolation protects unit when load is absent**

**Reduced Profile design is ideal for smaller ballast compartments**

**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 switched or unswitched fixtures
- 5-Year Warranty.** See Warranty Page for details.
- Selectable lamp leads optimize light output for desired lamp type
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- International Voltage and Damp Location models available



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# I-320

REDUCED PROFILE FLUORESCENT EMERGENCY BALLAST

## OPTIONS

### CONFIGURATION

- TBTS (STANDARD)
- TWO-PIECE TEST SWITCH AND CHARGE INDICATOR
- TWO-PIECE WITH OEM 90° CONNECTOR

### SPECIALTY

- DL - SUITABLE FOR USE IN DAMP LOCATIONS

### VOLTAGE RATINGS

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

## AVERAGE LUMEN RATINGS

LAMP	1 LAMP	2 LAMPS
F16 T8	1125	1100
F17 T8	1125	1100
F25 T8	1200	1150
F28 T8	1225	
F32 T8	1350	1350
8' T8 (FO96) (59W)	1400	
F20 T12	680	
F39 T12	1000	
F40 T12	1150	
F48 T12	1150	
8' T12 (F96T12) (60W)	1125	
14W T5	850	
21W T5	1150	
24W T5	925	
28W T5	1050	
39W T5	1100	
54W T5	1150	
20W Circline	1125	
22W Circline T9	1000	
22W Circline T5	1000	
40W Circline T8	1125	
40W Circline T5	1200	
57W PL CF Quad 4 Pin	1160	
70W PL CF Quad 4 Pin	1200	
36W Long Compact	1050	
40W Long Compact	1050	
50W Long Compact	1100	
55W Long Compact	1100	

## REMOTE MOUNTING

When battery packs are remote mounted, the remote distance can not exceed  $1/2$  of the distance from ballast to lamp specified by the A.C. ballast manufacturer. For example, if the A.C. ballast manufacturer recommends no more than 25' remote distance, then the battery pack should not exceed  $12\frac{1}{2}'$ . The maximum allowable remote mounting distance is 50' from the lamp.

## I-320 SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA I-320** fluorescent emergency battery pack. The **I-320** shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 13.0" x 2.2" x 1.25" vandal-resistant steel case for installation in the wireway or on top of the fixture. A combination one piece long-life LED charge indicator light and test switch shall be included. The fluorescent EM pack shall operate one 14w-54w T5 (2'-4'), 20w-75w (2'-8') T8 -T12 or 40w-55w long compact fluorescent lamp or two 20w-40w (2'-4') T8 - T12 fluorescent lamps. The **I-320** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 1400 lumens, and will feature selectable lamp leads for optimizing light output for the designated lamp type. The **I-320** shall have 3.5 watts of input power and a battery capacity of 24 watt hours. The **I-320** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements. The **I-320** is warranted for a full five (5) years from the date of purchase.

## 1400 LUMEN 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 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 one 14w-54w T5 (2'-4'), 20w-75w (2'-8') T8 -T12 or 40w-55w long compact fluorescent lamp or two 20w-40w (2'-4') T8 - T12 fluorescent lamps. 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, and will feature selectable lamp leads for optimizing light output for the designated lamp type. The unit shall have 3.5 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. All product shall be warranted for a full five (5) years from the date of purchase.