

MODEL NO: _____

TYPE: _____

PROJECT: _____

COMMENTS: _____

LAMPS OPERATED*

Most 2'-4' single, bipin, T8 HO or VHO and 2'-4' 14W to 54W T5 fluorescent 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** 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'-4' T8** lamps and **2'-4' 14W to 54W T5** lamps, with an initial output of up to **1350 lumens** for one lamp. **The I-320 utilizes AC output to ensure compatibility with new lamp technologies**, 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. The **I-320** is suitable for use in damp locations.

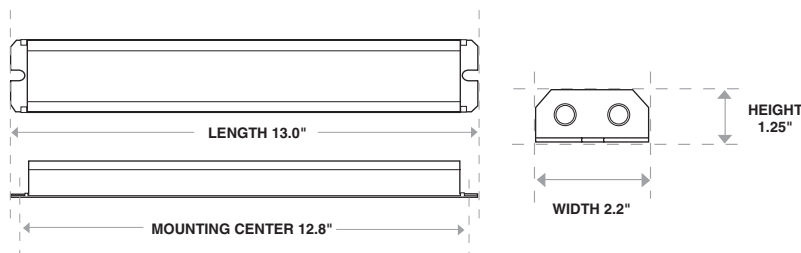
TECHNICAL SPECIFICATIONS

Input Voltage	(Dual) 120/277V, 60Hz
Input Wattage	3.5 Watts
Lamps Operated	Most 2'-4' single, bipin T8 HO or VHO fluorescent lamps and 2'-4' 14W to 54W T5 lamps
Emergency Operation*	90 minutes
Initial Illumination	(1) lamp up to 1350 lumens
Operating Temp	0° to 50° C
Battery	24 Hour Recharge 7-10 Year Life Expectancy
Weight	2.5 lbs.
Approval	UL and CUL 924 Listed



CASE DIMENSIONS

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



PRODUCT ADVANTAGES

Reduced Profile design is ideal for smaller ballast compartments

AC Output for compatibility with low mercury content amalgam lamps

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 switched or unswitched fixtures
- 5-Year Warranty.** See Warranty Page for details.
- Suitable for use in damp locations
- 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 models available



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I-320

REDUCED PROFILE FLUORESCENT EMERGENCY BALLAST

OPTIONS

CONFIGURATION

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

VOLTAGE RATINGS

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

AVERAGE LUMEN RATINGS

LAMP	1 LAMP
F17 T8	1125
F25 T8	1200
F28 T8	1215
F32 T8	1350
14W T5	850
21W T5	1150
24W T5	925
28W T5	1050
39W T5	1100
54W T5	1150
13W PL CF 4-Pin	935
18W PL CF Quad 4-Pin	955
26W PL CF Quad 4-Pin	1110
32W PL CF Quad 4-Pin	1070
42W PL CF Quad 4-Pin	1160

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') or 17w-32w (2'-4') T8 fluorescent lamp. The **I-320** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 1350 lumens. **The I-320 will operate the lamp with AC output** 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, and rated for use in damp locations. The **I-320** is warranted for a full five (5) years from the date of purchase.

1200 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') or 17w-32w (2'-4') T8 fluorescent lamp. The EM pack shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 1350 lumens. **The I-320 will operate the lamp with AC output** 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, and rated for use in damp locations. All product shall be warranted for a full five (5) years from the date of purchase.

REMOTE MOUNTING

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