

**COMPATIBLE WITH 4-PIN  
LOW-MERCURY CONTENT AMALGAM LAMPS**



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

**LAMPS OPERATED**

Most 18W-70W 4-Pin compact lamps,  
 36W-55W long compact lamps, and  
 2'-4' T5 fluorescent lamps

**DESCRIPTION:**

The **I-460** 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-460** 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 is provided with 2 feet of 3/8" flex for wiring to the fixture. The unit is designed for installation next to or on top of the fixture. The **I-460** can be used with most **4-pin** compact lamps and **2'-4'** T5 lamps, with an initial output of up to **3000 lumens** for one or two lamps. **The I-460 utilizes AC output to ensure compatibility with new lamp technologies**, and features lamp selector leads for optimizing light output for designated lamp types.

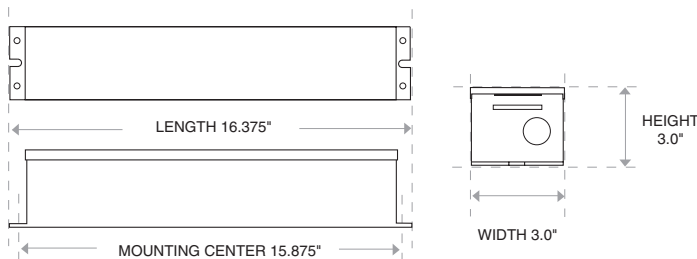
**TECHNICAL SPECIFICATIONS**

Input Voltage..... (Dual) 120/277V, 60Hz  
 Input Wattage ..... 4.5 Watts  
 Lamps Operated.....Most 18W-70W **4-Pin** Compact Lamps,  
 36W-55W Long Compact or 14W-95W 2'-4' T5 Lamps.  
 Emergency Operation\* ..... (1) 18W-70W or (2) 18W-26W 4-Pin Compact  
 (1) 14W-95W or (2) 14W-24W 2'-4' T5 Lamps  
 90 minutes  
 \*Long compact - (1) lamp only  
 Initial Illumination..... (1) lamp 3000 lumens  
 (2) lamps 1500 lumens each lamp  
 Operating Temp ..... 0° to 55° C  
 Battery ..... 24 Hour Recharge  
 7-10 Year Life Expectancy  
 Weight ..... 9.75 lbs.  
 Approval ..... UL and CUL Listed



**CASE DIMENSIONS**

16.375" x 3.0" x 3.0" (mounting center 15.875")



**PRODUCT ADVANTAGES**

**3000 Lumen Output**

**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

Painted steel case

Includes test switch and charge indicator  
 accessory kit

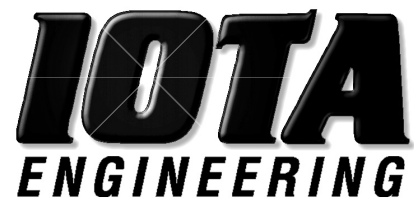
For use with switched or unswitched fixtures

**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-460

FLUORESCENT EMERGENCY BALLAST

## OPTIONS

### CONFIGURATION

TWO-PIECE TEST SWITCH AND CHARGE INDICATOR

### SPECIALTY

DL (DAMP LOCATION)

### ACCESSORIES

RTK - REMOTE TEST KIT (MAY BE REQUIRED FOR DOWNLIGHT OR OTHER APPLICATIONS)

### VOLTAGE RATINGS

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

## I-460 SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA I-460** fluorescent emergency battery pack. The **I-460** shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 16.375" x 3.0" x 3.0" vandal-resistant painted steel case for installation adjacent to 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 18W-70W 4-pin compact, one 36W-55W long compact, or one 14W-95W 2'-4' T5 fluorescent lamp or two 18W-26W 4-pin compact or two 14W-24W 2'-4' T5 fluorescent lamps. The **I-460** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 3000 lumens. **The I-460 will operate the lamp(s) with AC output** and will feature selectable lamp leads for optimizing light output for the designated lamp type. The **I-460** shall have 4.5 watts of input power and a battery capacity of 57.6 watt hours. The **I-460** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements. The **I-460** is warranted for a full five (5) years from the date of purchase.

## 3000 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 painted steel case for installation either adjacent to 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 18W-70W 4-pin compact, one 36W-55W long compact, or one 14W-95W 2'-4' T5 fluorescent lamp or two 18W-26W 4-pin compact or two 14W-24W 2'-4' T5 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 **3000 lumens**, and will feature selectable lamp leads for optimizing light output for the designated lamp type. The unit shall have 4.5 watts of input power and a battery capacity of 57.6 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.

## REMOTE MOUNTING

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