



AC OUTPUT



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

INITIAL LUMEN OUTPUT  
 650 Lumens

LAMPS OPERATED\*



(1) 10W-42W 4-PIN Compact (2) 10W-18W 4-PIN Compact  
 (1) 18W-36W Long Compact

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

## DESCRIPTION

The **I42** from IOTA 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 **I42** 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. The **I42** can be used with most 10W-42W twin, triple, quad tube, 2D and Straight **4-pin** compact fluorescent lamps and 18W-36W long compacts, with a total initial output of up to **650 lumens** for one or two lamps. **The I42 utilizes AC output to ensure compatibility with new lamp technologies**, and features lamp selector leads for optimizing light output for designated lamp types. The **I42** is available in dual flex **A**, no flex **B**, single flex **J**, and top-mount **TM** mounting configurations. The **I42** is suitable for use in damp locations and enclosed and gasketed fixtures.

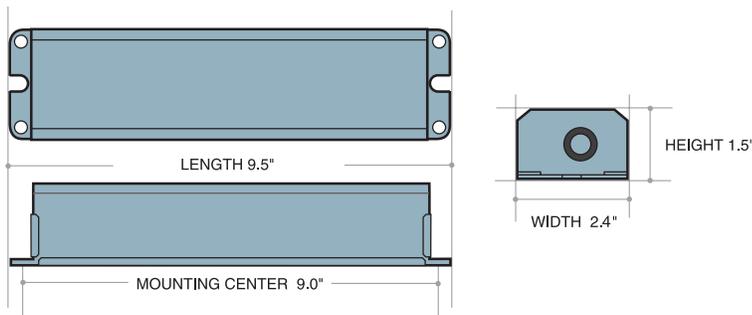
## SPECIFICATIONS

Input Voltage .....	(Dual) 120/277V, 60Hz
Input Wattage .....	3.5 Watts
Lamps Operated .....	10W-42W <b>4-pin</b> Rapid Start Twin, Triple, Quad Tube, 2D & Straight Compact Lamps, and 18W-36W Long Compact Lamps
Emergency Operation* .....	(1) 10W-42W or (2) 10W-18W 90 minutes *Long Compact - (1) lamp only
Initial Illumination .....	650 lumens (2) lamps 325 lumens each lamp
Operating Temp .....	0° to 50° C
Battery .....	24 Hour Recharge 7-10 Year Life Expectancy
Weight (configurations) .....	4.4 lbs.(A) 2.5 lbs. (B) 3.4 lbs. (J)
Approval .....	UL and CUL Listed



## DIMENSIONS

9.5" x 2.4" x 1.5" (mounting center 9.0")

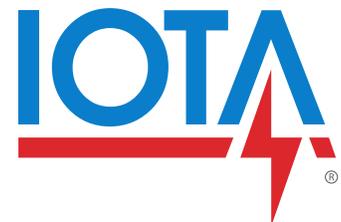


## PRODUCT ADVANTAGES

- **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**
- **Different mounting configurations available**

## 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.
- Lamp selector leads optimize light output for designated lamp type
- Rated for use in damp locations, plenum, and enclosed and gasketed fixtures
- Meets or exceeds all NEC, IBC, and Life Safety Code Emergency Lighting Requirements
- RoHS Compliant
- International Voltage Models available



FLUORESCENT

COMPACT

## CONFIGURATION

<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">I42</div>	<div style="border: 1px solid black; border-radius: 15px; width: 120px; height: 20px; margin: 0 auto;"></div> <p><b>Mounting Style</b></p> <ul style="list-style-type: none"> <li><b>A</b> Dual Flex</li> <li><b>B</b> Integral (No Flex)</li> <li><b>J</b> Junction Box</li> <li><b>R</b> Reflector</li> <li><b>RJ</b> Reflector/Junction Box</li> <li><b>TM</b> Top Mount</li> </ul>	<div style="border: 1px solid black; border-radius: 15px; width: 120px; height: 20px; margin: 0 auto;"></div> <p><b>Test Switch</b></p> <ul style="list-style-type: none"> <li><i>[blank]</i> TBTS</li> <li><b>2PC*</b> Two Piece Test Switch and Charge Indicator</li> </ul> <p><small>*Only available with B (Integral, No Flex) models</small></p>	<div style="border: 1px solid black; border-radius: 15px; width: 120px; height: 20px; margin: 0 auto;"></div> <p><b>Input Voltage</b></p> <ul style="list-style-type: none"> <li><i>[blank]</i> (Dual) 120/277, 60Hz</li> <li><b>220V50**</b> 220V, 50Hz</li> </ul> <p><small>**Only available with A (Dual Flex) models</small></p>	<p><b>Example Models:</b> I42 A I42 B 2PC</p>
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### I42 A SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA I42 A** fluorescent emergency battery pack. The **I42 A** shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 9.5" x 2.4" x 1.5" vandal-resistant galvanized steel case. The unit is designed for installation on top of the fixture and is equipped with 1/2" flex for wiring to the fixture or ballast compartment. A combination one-piece long-life LED charge indicator light and test switch shall be included. The fluorescent EM pack shall operate one 10w-42w or two 10w-18w twin, triple, quad tube, 2D or straight **4-pin** fluorescent lamps, or one 18w-36w long compact fluorescent lamp. The **I42 A** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 650 lumens. **The I42 A will operate the lamp(s) with AC output** and will feature lamp selector leads for optimizing light output for the designated lamp type. The **I42 A** shall have 3.5 watts of input power and a battery capacity of 14.4 watt hours. The **I42 A** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements, and rated for use in damp locations. The **I42 A** is warranted for a full five (5) years from the date of purchase.

### I42 B SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA I42 B** fluorescent emergency battery pack. The **I42 B** shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 9.5" x 2.4" x 1.5" vandal-resistant galvanized 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 10w-42w or two 10w-18w twin, triple, quad tube, 2D or straight **4-pin** fluorescent lamps, or one 18w-36w long compact fluorescent lamp. The **I42 B** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 650 lumens. **The I42 B will operate the lamp(s) with AC output** and will feature lamp selector leads for optimizing light output for the designated lamp type. The **I42 B** shall have 3.5 watts of input power and a battery capacity of 14.4 watt hours. The **I42 B** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements, and rated for use in damp locations. The **I42 B** is 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).

**Warranty:** 5-Year Limited Warranty  
Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

### INITIAL LUMEN RATINGS

LAMP	1 LAMP	2 LAMPS
13W PL CF 4-PIN	350	400
18W PL CF QUAD 4-PIN	350	550
26W PL CF QUAD 4-PIN	425	
32W PL CF QUAD 4-PIN	600	
42W PL CF QUAD 4-PIN	750	
F282 D/42 4-PIN	475	500
F382 D/42 4-PIN	500	650
18W LONG COMPACT	500	
24W LONG COMPACT	575	
36W LONG COMPACT	650	