



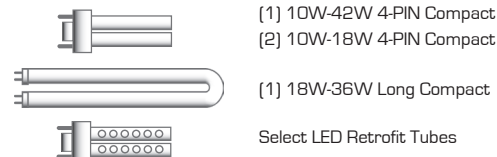
AC OUTPUT



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

INITIAL LUMEN OUTPUT
 650 Lumens

LAMPS OPERATED*



*Refer to Lumen Reference Chart and LED Retrofit Reference Chart for list of compatible lamps.

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

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

DESCRIPTION

The **I-42-EM-B** 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-42-EM-B** 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 **I-42-EM-B** 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 **I-42-EM-B** utilizes **AC output to ensure compatibility with new lamp technologies**, and features lamp selector leads for optimizing light output for designated lamp types. The **I-42-EM-B** features an integral can profile for installation directly within the ballast compartment, and is suitable for use in damp locations and enclosed and gasketed fixtures.

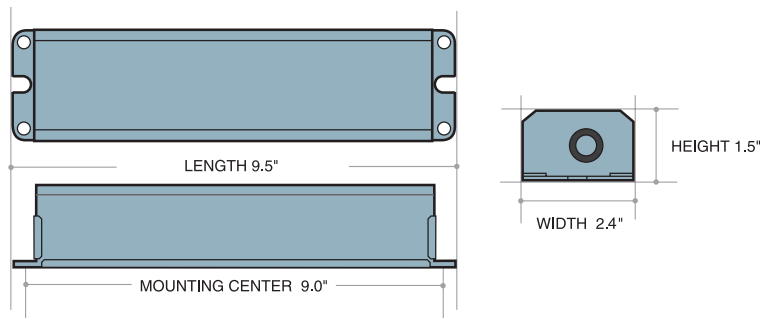
SPECIFICATIONS

| | |
|----------------------------|---|
| Input Voltage | (Dual) 120/277V, 60Hz |
| Input Wattage | 3.5 Watts |
| Lamps Operated | 10W-42W 4-pin 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 | 2.5 lbs. |
| Approval | UL and CUL Listed |



DIMENSIONS

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



I-42-EM-B

FLUORESCENT EMERGENCY BALLAST FOR 4-PIN LAMPS

OPTIONS

TEST KIT CONFIGURATION

- TBTS
- TWO-PIECE TEST SWITCH AND CHARGE INDICATOR

MOUNTING CONFIGURATION

- EM-B

VOLTAGE RATINGS

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

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 | |

LED Retrofit Tube Options

This IOTA Emergency Ballast is UL Listed for emergency operation of select LED retrofit tube applications. For a complete list of acceptable LED retrofit tube options, refer to the **IOTA LED Retrofit Tube Reference Chart** at www.iotaengineering.com/IOTA-LED-Retrofit.pdf

I-42-EM-B SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA I-42-EM-B** fluorescent emergency battery pack. The **I-42-EM-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 **I-42-EM-B** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 650 lumens. **The I-42-EM-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 **I-42-EM-B** shall have 3.5 watts of input power and a battery capacity of 14.4 watt hours. The **I-42-EM-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 **I-42-EM-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).