

PARALLEL OPERATION EMERGENCY BALLAST



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

LAMPS OPERATED*

Most 2'-4' single, bipin, T8 & T12, HO or VHO fluorescent lamps, 54W T5, and 26W-57W 4-Pin compact lamps

*Refer to Lumen Reference Chart for list of compatible lamps

DESCRIPTION:

The I-162 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-162 switches to the emergency mode and operates **two** of the existing lamps **in parallel** 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-162 can be used with most 2'-4' T8 and T12 linear lamps, 54W T5, or 26W-57W 4-pin compact lamps, with an initial output of up to **3000 lumens** for two lamps. The I-162 is compatible with **all** electronic or magnetic, series or parallel output, multi-lamp ballasts.

TECHNICAL SPECIFICATIONS

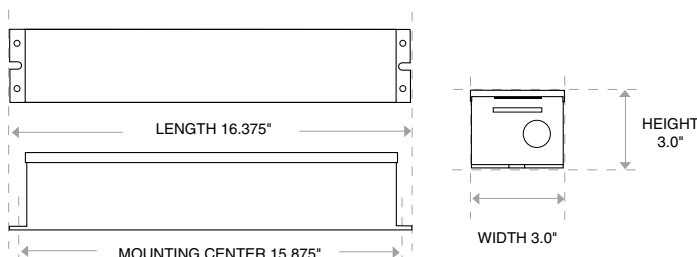
Input Voltage	(Dual) 120/277V, 60Hz
Input Wattage	4.5 Watts
Lamps Operated.....	Most 2'-4' single, bipin T8 & T12 HO or VHO fluorescent lamps, 54W T5 and 26W-57W 4-Pin compact lamps
Emergency Operation	(2) 2'-4' T8 and T12, (2) 54W T5 or (2) 26W-57W - 90 minutes
Initial Illumination*.....	(2) lamp 3000 lumens (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



*Initial Illumination is 2000 lumens when one lamp is inoperable

CASE DIMENSIONS

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



PRODUCT ADVANTAGES

3000 Lumen Output

Parallel Lamp Operation

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.

Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements

International Voltage and Damp Location models available



P.O. BOX 11846 TUCSON, AZ 85734
 (520) 294-3292 • FAX (520) 741-2837

www.iotaengineering.com

I-162

PARALLEL OPERATION EMERGENCY BALLAST

OPTIONS

CONFIGURATION

- TWO-PIECE TEST SWITCH AND CHARGE INDICATOR

ACCESSORIES

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

SPECIALTY

- DL (DAMP LOCATION)
 I-162R (RECESSED PANEL)

VOLTAGE RATINGS

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

AVERAGE LUMEN RATINGS

LAMP	2 LAMPS
F32 T8	3000
F40 T12	2675
54W T5	2500
26W PL CF QUAD 4-PIN	2600
32W PL CF QUAD 4-PIN	2750
42W PL CF QUAD 4-PIN	2800
57W PL CF QUAD 4-PIN	2500

REMOTE MOUNTING

When battery packs are remote mounted, the remote distance can not exceed $\frac{1}{2}$ 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-162 SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA I-162** fluorescent emergency battery pack. The **I-162** 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 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 **two** 20W-40W (2'-4') T8 - T12 fluorescent lamps, **two** 54W T5 fluorescent lamps, or **two** 26W-57W 4-pin compact fluorescent lamps, in **PARALLEL OPERATION**. The **I-162** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 3000 lumens. Should one lamp become inoperable, the remaining lamp shall operate at a minimum initial output of 2000 lumens. The **I-162** shall have 4.5 watts of input power and a battery capacity of 57.6 watt hours. The **I-162** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements. The **I-162** is warranted for a full five (5) years from the date of purchase.

PARALLEL LAMP SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a 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 **two** 20W-40W (2'-4') T8 - T12 fluorescent lamps, **two** 54W T5 fluorescent lamps, or **two** 26W-57W 4-pin compact fluorescent lamps in **PARALLEL OPERATION**. 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. Should one lamp become inoperable, the remaining lamp shall operate at a minimum initial output of 2000 lumens. 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.