

LINEAR FLUORESCENT

I-162

PARALLEL OPERATION
FLUORESCENT EMERGENCY BALLAST



LUMEN OUTPUT	
	3000 Lumens
	1500 Lumens Per Lamp

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	
	90 Minutes
	(2) 2'-4' T8 & T12, (2) 54W T5, or (2) 26W-57W compact

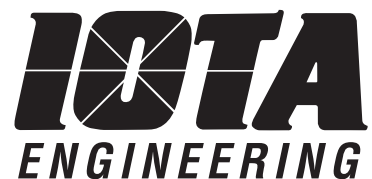
The **I-162** from IOTA Engineering is a UL Listed fluorescent emergency ballast that allows the same fixture to be used for both normal and emergency operation. In the event of a power failure, the **I-162** switches to the emergency mode and operates **two** of the existing lamps **in parallel** for **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.

CASE DIMENSIONS	TECHNICAL SPECIFICATIONS
	Input Voltage 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 min. Initial Illumination* (2) lamps 3000 lumens (1500 lumens each lamp) Operating Temp 0° to 55° C Approval U.L. and C.U.L. Listed Weight 9.75 lbs. *Initial Illumination is 2000 lumens when one lamp is inoperable

- U.L. and C.U.L. Listed
- Will cold start and operate all specified lamps
- Long life high temperature recyclable Ni-Cad battery
- Painted steel case
- Dual voltage 120/277V, 60Hz
- Includes test switch and charge indicator accessory kit
- 5-Year Warranty. See Warranty page for details.

- Time delay enhancement
- Open circuit isolation
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- 90 minute emergency operation
- International Voltage and Damp Location Models available

MODEL NO: I-162	TYPE:
PROJECT:	
COMMENTS:	



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SAMPLE SPECIFICATIONS

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 ³/₈" x 3" x 3" 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 2250 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.

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 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 1/2'. The maximum allowable remote mounting distance is 50' from the lamp.