



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

LAMPS OPERATED*

Most 2'-8' single, bipin, T8 & T12, HO or VHO fluorescent lamps, incl. long compact, 42W 4-Pin, and 2'-4' 28W & 54W T5 lamps

*Refer to Lumen Reference Chart for list of compatible lamps

DESCRIPTION:

The I-160 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-160 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-160 can be used with most 2'-8' lamps, with an initial output of up to 3000 lumens for one or two lamps, and features lamp selector leads for optimizing light output for designated lamp types.

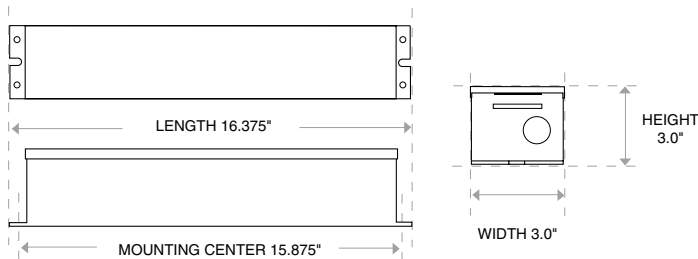
TECHNICAL SPECIFICATIONS

Input Voltage..... (Dual) 120/277V, 60Hz
Input Wattage 4.5 Watts
Lamps Operated..... Most 2'-8' single, bipin T8 & T12 HO or VHO fluorescent lamps, incl. long compact 42W 4-Pin, and 2'-4' 28W & 54W T5 HO or VHO lamps
Emergency Operation* (1) 2'-8' or (2) 2'-4' 90 minutes
*Long compact and T5 - (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

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-160

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

AVERAGE LUMEN RATINGS

LAMP	1 LAMP	2 LAMPS
F40 T12/ES	2700	2675
F96 T12	2850	
F25 T8	2300	2600
F32 T8	3000	3000
F96 T8	2950	
28W T5	2450	
54W HO T5	2700	
42W Compact	2900	3000
57W Compact	2700	
70W Compact	2800	
40W Long Compact	2600	
50W Long Compact	2500	
55W Long Compact	2500	
55W Circline T5	2700	

I-160 SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA I-160** fluorescent emergency battery pack. The **I-160** 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 20w-75w (2'-8'), 28w-54w T5 (2'-4') or 40w-55w long compact or two 20w-40w (2'-4') T8 - T12 fluorescent lamps. The **I-160** 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 **I-160** shall have 4.5 watts of input power and a battery capacity of 57.6 watt hours. The **I-160** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements. The **I-160** 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 20w-75w (2'-8'), 28w-54w T5 (2'-4') or 40w-55w long compact or two 20w-40w (2'-4') T8 - T12 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, 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.