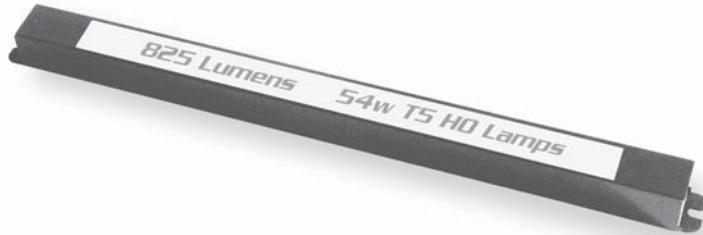


# LINEAR FLUORESCENT

# ISL-54

## FLUORESCENT EMERGENCY BALLAST



### LUMEN OUTPUT

(1) Lamp - 825 Lumens

### LAMPS OPERATED

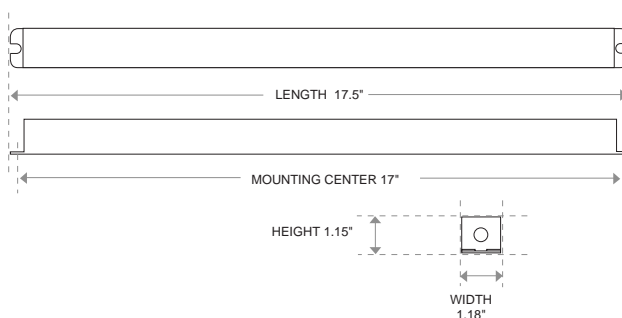
Most 2'-4' 14W to 54W T5 fluorescent lamps or T8 lamps incl. HO and 36W to 55W 4-pin long compact lamps

### EMERGENCY OPERATION

90 Minutes

The **ISL-54** 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 **ISL-54** switches to the emergency mode and operates **one** of the existing lamps for **90 minutes**. The unit contains a battery, charger, and inverter circuit in a single can. The **ISL-54** operates **T5** and **T8** lamps, including HO and 4-pin long compact fluorescent lamps from 36-55 watts at an initial output of up to **825 lumens** for one lamp. The **ISL-54** delivers high performance in a slim design, and is ideal for use in linear lighting fixtures where ballast compartment space is limited.

### CASE DIMENSIONS



### TECHNICAL SPECIFICATIONS

Input Voltage ..... 120/277V, 60Hz  
 Input Wattage ..... 2.5 Watts  
 Lamps Operated ..... Most 2'-4' 14W to 54W T5 fluorescent lamps or T8 lamps incl. HO and 36W to 55W 4-pin long compact lamps  
 Emergency Operation ..... 90 minutes  
 Initial Illumination ..... (1) lamp up to 825 lumens  
 Operating Temp ..... 0° to 55° C  
 Approval ..... U.L. and C.U.L. Listed  
 Weight ..... 2.4 lbs.

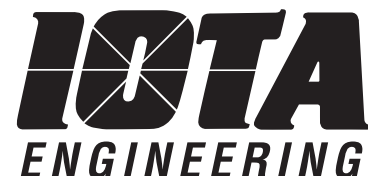
- U.L. and C.U.L. Listed
- Will cold start and operate all specified lamps
- Long life high temperature recyclable Ni-Cad battery
- Galvanized steel case
- Slim design fits in smaller ballast compartments
- Includes test switch and charge indicator accessory kit
- 5-Year Warranty. See Warranty Page for details.

- Time delay enhancement
- Open circuit isolation
- 90 minute emergency operation
- Dual voltage 120/277V, 60Hz
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- International Voltage and Damp Location Models available

MODEL NO: ISL-54      TYPE:

PROJECT:

COMMENTS:



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## SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA ISL-54** fluorescent emergency battery pack. The **ISL-54** shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 17 1/2" x 1 3/16" x 1 1/8" vandal-resistant steel case for installation either inside 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 (2'-4') T5 or T8 HO or VHO linear lamp or one 36W-55W 4-pin long compact fluorescent lamp. The **ISL-54** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 825 lumens. The unit shall have 2.5 watts of input power and a battery capacity of 24 watt hours. The **ISL-54** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements. The **ISL-54** is warranted for a full five (5) years from the date of purchase.

### OPTIONS

#### CONFIGURATION

- TBTS (STANDARD)
- TWO-PIECE (TEST SWITCH AND CHARGE INDICATOR)
- TWO-PIECE WITH OEM 90° CONNECTOR

#### SPECIALTY

- DL (DAMP LOCATION)

#### VOLTAGE RATINGS

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

### AVERAGE LUMEN RATINGS

LAMP	1 LAMP
14W T5	450
21W T5	500
24W T5	450
28W T5	800
39W T5	700
54W T5	825
F17 T8	650
F25 T8	650
F32 T8	700
F40 T8	600
36W Long Compact	675
40W Long Compact	675
50W Long Compact	650
55W Long Compact	650

### 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.