



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

DESCRIPTION

The **ISL-540** 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-540** 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-540** 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 **1300 lumens** for one lamp. **The ISL-540 utilizes AC output to ensure compatibility with new lamp technologies.** The **ISL-540** delivers high performance in a slim design and is ideal for use in linear lighting fixtures where ballast compartment space is limited. The **ISL-540** is suitable for use in damp locations.

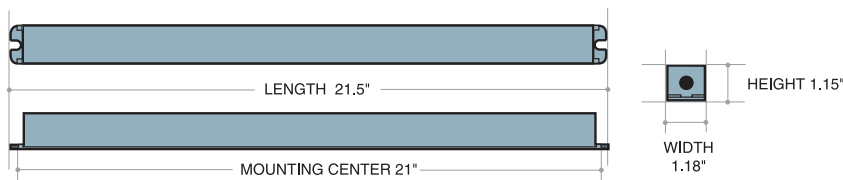
SPECIFICATIONS

Input Voltage	(Dual) 120/277V, 60Hz
Input Wattage	3.5 Watts
Lamps Operated	Most 2'-4' 14W to 54W T5 fluorescent lamps or 17W to 40W T8 lamps incl. HO and 36W-55W 4-pin long compact lamps
Emergency Operation	90 minutes
Initial Illumination	(1) lamp up to 1300 lumens
Operating Temp	0° to 50° C
Battery	24 Hour Recharge 7-10 Year Life Expectancy
Weight	3.0 lbs.
Approval	UL and CUL Listed



DIMENSIONS

21.5" x 1.18" x 1.15" (mounting center 21.0")



INITIAL LUMEN OUTPUT
 1300 Lumens

LAMPS OPERATED*



(1) 2-4 ft. 14W - 54W T5
 (1) 2-4 ft. 17W-40W T8, incl. HO
 (1) 36W-55W Bi-x

*Refer to Lumen Reference Chart for list of compatible lamps

PRODUCT ADVANTAGES

- **Time Delay feature for compatibility with End-of-Lamp-Life circuitry**
- **Open Circuit Isolation protects unit when load is absent**
- **AC output for compatibility with Low-Mercury Content Amalgam lamps**
- **Slim profile design is ideal for smaller ballast compartments**

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
- Suitable for use in damp locations
- **5-Year Warranty.** See Warranty Page for details.
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- International Voltage Models available



FLUORESCENT

LINEAR

SLIM PROFILE

COMPACT

SELF-DIAGNOSTICS

COLD WEATHER

SPECIALTY

ISL-540

SLIM PROFILE FLUORESCENT EMERGENCY BALLAST

OPTIONS

TEST KIT CONFIGURATION

- TBTS
- TWO-PIECE TEST SWITCH AND CHARGE INDICATOR

VOLTAGE RATINGS

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

INITIAL LUMEN RATINGS

LAMP	1 LAMP
14W T5	700
21W T5	850
24W T5	700
28W T5	1200
35W T5	1300*
39W T5	1100
54W T5	1300
F17 T8	950
F25 T8	950
F28 T8	990
F32 T8	1100
F40 T8	1150
36W Long Compact	1025
40W Long Compact	1025
50W Long Compact	1000
55W Long Compact	1000

*Requires ISL-540 modified for 35W operation

ISL-540 SAMPLE SPECIFICATION

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with an **IOTA ISL-540** fluorescent emergency battery pack. The **ISL-540** shall consist of a high temperature, maintenance-free nickel cadmium battery, charger board and an electronic circuit enclosed in a 21.5" x 1.18" x 1.15" 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-540** shall provide reduced illumination for a minimum of 90 minutes in the emergency mode with a total initial output of 1300 lumens, and **will operate the lamp with AC output**. The **ISL-540** shall have 3.5 watts of input power and a battery capacity of 24 watt hours. The **ISL-540** is UL Listed and meets or exceeds all NEC and Life Safety Code Emergency Lighting Requirements, and rated for use in damp locations. The **ISL-540** 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).